

Integrated multi-omics for rapid rare disease diagnosis on a national scale

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Supplementary Table 1: Patients receiving a diagnosis (including partial or dual diagnoses) as part of the study, including presenting features, molecular diagnosis, and clinician-reported clinical utility.

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A0131064	HP:0004430 Severe combined immunodeficiency	<i>IL2RG</i> NM_000206.2	c.865C>T, p.(Arg289*), Pathogenic	Severe combined immunodeficiency MIM#300400		Yes	Informed BMT	
A0131065	HP:0001695 Cardiac arrest HP:0005184 Prolonged QTc interval HP:0005150 Abnormal atrioventricular conduction	<i>SCN5A</i> NM_198056.2	c.1231G>A, p.(Val411Met), Pathogenic	Long QT syndrome MIM#603830	Started enteral Mexilitine/Propranolol. Ceased Lignocaine/Esmolol		Permanent pacemaker inserted	
A0131066	HP:0001250 Seizures	<i>KCNQ2</i> NM_172107.3	c.2330_2331dup CC, p.(Glu778Profs*153), Pathogenic	Epileptic encephalopathy, early infantile, 7 MIM#613720	Influenced choice of AED (sodium channel blocker) Other AEDs discontinued	Investigations and referrals rationalised		
A0131067	HP:0000612 Iris coloboma HP:0002871 Central apnea HP:0001537 Umbilical hernia	<i>PITX2</i> NC_000004.12	g.110650730-112833790del, p.?, Likely pathogenic	Axenfled-Rieger syndrome, type 1 MIM#180500		Additional referral to ophthalmology		
A0131068	HP:0200134 Epileptic encephalopathy HP:0000260 Wide anterior fontanel	<i>KCNQ2</i> NM_172107.3	c.1678C>T, p.(Arg560Trp), Pathogenic	Epileptic encephalopathy, early infantile, 7 MIM#613720	Influenced choice of AED. Other AEDs discontinued			
A0131070	HP:0000127 Renal salt wasting HP:0001941 Acidosis HP:0002153 Hyperkalemia HP:0002902 Hyponatremia	<i>SCNN1A</i> NM_001038.5	c.148delG, p.(Glu50Serfs*33), Pathogenic	Pseudohypoaldosteronism, type I MIM#264350	Sodium supplements commenced. Hydrocortisone/fludrocortisone ceased.	Additional referral to respiratory		

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A0131071	HP:0000825 Hyperinsulinemic hypoglycemia HP:0001250 Seizures HP:0002240 Hepatomegaly	ABCC8 NM_001287174.1	c.3776dupT, p.(Val1260Glyfs* 147), Pathogenic	Hyperinsulinemic hypoglycemia, familial, 1 MIM#256450	Ceased trial with diazoxide as unlikely to be responsive			
A0131072	HP:0008066 Abnormal blistering of the skin	COL7A1 NM_000094.3	c.8245G>A, p.(Gly2749Arg), Pathogenic	Epidermolysis bullosa dystrophica, AR MIM#226600				Yes
A0131074	HP:0007334 Generalized tonic-clonic seizures with focal onset	KCNT1 NM_020822.2	c.1283G>A, p.(Arg428Gln), Pathogenic	Epileptic encephalopathy, early infantile, 14 MIM#614959	Rationalised medications. Ceased biotin, folinate and pyridoxine	Additional referral to developmental medicine		
A0131076	HP:0002804 Arthrogryposis multiplex congenita HP:0000175 Cleft palate HP:0000278 Retrognathia HP:0000047 Hypospadias HP:0000023 Inguinal hernia HP:0006808 Cerebral hypomyelination HP:0002144 Tethered cord	ZC4H2 NM_018684.3	c.592C>T, p.(Arg198Trp), Pathogenic	Wieacker-Wolff syndrome MIM#314580				Yes
A0131078	HP:0001943 Hypoglycemia HP:0001667 Right ventricular hypertrophy HP:0002240 Hepatomegaly HP:0001263 Global developmental delay HP:0001508 Failure to thrive	AGL NM_000642.2	c.3179C>G, p.(Ser1060*), Pathogenic c.1020delA, p.(Glu340Aspfs* 9), Pathogenic	Glycogen storage disease III MIM#232400	Informed dietary management plan			

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A0131081	HP:0031165 Multifocal seizures HP:0002197 Generalized-onset seizure HP:0200134 Epileptic encephalopathy	KCNQ2 NM_172107.3	c.629G>A, p.(Arg210His), Pathogenic	Epileptic encephalopathy, early infantile, 7 MIM#613720	Oxcarbazepine commenced and Keppra ceased			
A0131085	HP:0040168 Focal seizures, afebrile HP:0032052 Focal cortical dysplasia type IIa	PCDH19 NM_001184880.1	c.498C>G, p.(Tyr166*), Pathogenic	X-linked early infantile epileptic encephalopathy 9 MIM#300088		Further neuroimaging cancelled	Epilepsy surgery cancelled due to low chance of success in light of genetic diagnosis	
A0131087	HP:0001250 Seizures HP:0200134 Epileptic encephalopathy	KCNQ2 NM_172107.3	c.793G>A, p.Ala265Thr, Pathogenic	Autosomal dominant early infantile epileptic encephalopathy 7 MIM#613720	Trileptal started. Ceased topiramate, phenobarbitone. Ceased metabolic cocktail of medicines	Metabolics no longer required		
A0131088	HP:0011682 Perimembranous ventricular septal defect HP:0005950 Laryngeal web HP:0001537 Umbilical hernia HP:0000368 Low-set, posteriorly rotated ears HP:0000316 Hypertelorism HP:0001511 Intrauterine growth retardation HP:0000347 Micrognathia	KMT2D NM_003482.3	c.10615C>T, p.(Arg3539Trp), Likely pathogenic	KMT2D-related malformation disorder MIM#147920				
A0131090	HP:0004308 Ventricular arrhythmia HP:0001695 Cardiac arrest	SCN5A NM_198056.2	c.4477_4479delA AG, p.(Lys1493del), Pathogenic	Brugada syndrome MIM#601144	Inform titration of beta blocker doses. Avoidance of Brugada-associated drugs and amiodarone.			

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A0131091	HP:0001644 Dilated cardiomyopathy HP:0001723 Restrictive cardiomyopathy HP:0005184 Prolonged QTc interval HP:0001649 Tachycardia	TNNT2 NM_001276345.1	c.451C>T, p.(Arg151Trp), Pathogenic	TNNT2 -related cardiomyopathies		Listed for cardiac transplant		
A0131092	HP:0002803 Congenital contracture HP:0008935 Generalized neonatal hypotonia HP:0001315 Reduced tendon reflexes HP:0003236 Elevated serum creatine kinase	EXOSC3 NM_016042.3	c.703G>A, p.(Gly235Arg), Likely pathogenic c.395A>C, p.(Asp132Ala), Pathogenic	Autosomal recessive pontocerebellar hypoplasia, type 1B MIM#614678				Yes
A0131095	HP:0001250 Seizures	PCDH19 NM_001184880.1	c.1682C>G, p.(Pro561Arg), Pathogenic	Developmental and epileptic encephalopathy 9 MIM#300088		Referral to a neurologist with a special interest in PCDH19 associated epilepsy		
A0131100	HP:0001644 Dilated cardiomyopathy HP:0001511 Intrauterine growth retardation HP:0001873 Thrombocytopenia	Ring X chromosome 46,X,r(X)(p21.1q21.1)[39]/45,X[16]	c. ?, p.?, Pathogenic	Turner syndrome		Referral to endocrinology, endocrine surveillance initiated		
A0131101	HP:0000452 Choanal stenosis HP:0001631 Atrial septal defect HP:0002566 Intestinal malrotation HP:0008757 Unilateral vocal cord paralysis HP:0000391 Thickened helices	RERE NM_001042681.1	c.4313_4318dup TCCACC, p.(Leu1438_His1439dup), Pathogenic	Neurodevelopmental disorder with or without anomalies of the brain, eye, or heart MIM#616975				

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A0131106	HP:0002902 Hyponatremia HP:0000103 Polyuria HP:0003113 Hypochloremia HP:0200114 Metabolic alkalosis HP:0001561 Polyhydramnios	SLC12A1 NM_000338.2	c.1966C>T, p.(Gln656*), Pathogenic c.1432G>A, p.(Gly478Arg), Pathogenic	Bartter syndrome, type 1 MIM#601678	Informed fluid and medication management in context of additional acute kidney injury			
A0131115	HP:0006566 Neonatal cholestatic liver disease HP:0001028 Hemangioma HP:0002908 Conjugated hyperbilirubinemia HP:0001511 Intrauterine growth retardation HP:0008619 Bilateral sensorineural hearing impairment	ABCD1 / BCAP31 Partial deletion of Xq28 involving ABCD1 and BCAP31	c. ?, p.?, Pathogenic	Contiguous Abcd1/Dxs1375e deletion syndrome (CADD5) MIM#300475			Avoided liver biopsy	Yes
A0131118	HP:0011398 Central hypotonia HP:0002376 Developmental regression HP:0012762 Cerebral white matter atrophy HP:0100716 Self-injurious behavior HP:0002072 Chorea HP:0002451 Limb dystonia HP:0001507 Growth abnormality	KCNQ5 NM_001160133.1	c.545C>T, p.(Ala182Val), Likely pathogenic	KCNQ5-related neurodevelopmenta l delay MIM#617601		Additional referral to neurologist with neurogenetic interest, Metabolic medicine no longer required to investigate further		
A0131121	HP:0011398 Central hypotonia HP:0001348 Brisk reflexes	THOC2 NM_001081550.1	c.229C>T, p.(Arg77Cys), Pathogenic	THOC2-related neurodevelopmenta l disorder MIM#300957				

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A0131123	HP:0001943 Hypoglycemia HP:0001297 Stroke HP:0001250 Seizures HP:0002151 Increased serum lactate	MT-TL1 NC_012920.1	m.3243A>G, p.?, Pathogenic	Mitochondrial encephalomyopathy with lactic acidosis and stroke-like episodes (MELAS), maternally inherited diabetes and deafness, and progressive external ophthalmoplegia PMIDs:11571698;23355809	Collected multiple sample types to investigate level of heteroplasmy			
A0131128	HP:0001987 Hyperammonemia HP:0002910 Elevated hepatic transaminase HP:0001928 Abnormality of coagulation HP:0005543 Reduced protein C activity	ASS1 NM_054012.3	c.370G>A, p.(Asp124Asn), Pathogenic	Citrullinemia MIM#215700			Informed decision to proceed with liver transplant	
A0131137	HP:0030682 Left ventricular noncompaction	MYH7 NM_000257.2	c.1573G>A, p.(Glu525Lys), Pathogenic	MYH7-related cardiomyopathy MIM#613426		Investigations and referrals rationalised	Informed decision for cardiac transplant	
A0131139	HP:0007431 Congenital ichthyosiform erythroderma HP:0001776 Bilateral talipes equinovarus HP:0001188 Hand clenching	SPINK5 NM_006846.3	c.1111C>T, p.(Arg371*), Pathogenic c.81+2T>A, p.?, Pathogenic	Netherton syndrome MIM#256500		Avoided skin biopsy		

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A0131140	HP:0100519 Anuria HP:0001919 Acute kidney injury HP:0001562 Oligohydramnios HP:0005932 Abnormal renal corticomedullary differentiation HP:0002092 Pulmonary arterial hypertension HP:0002107 Pneumothorax HP:0002089 Pulmonary hypoplasia HP:0001714 Ventricular hypertrophy HP:0005144 Ventricular septal hypertrophy HP:0010468 Aplasia/Hypoplasia of the testes HP:0000047 Hypospadias	WT1 NM_024426.3	c.1385G>A, p.(Arg462Gln), Pathogenic	Denys-Drash syndrome MIM#194080		Chromosome breakage studies initiated to help clarify relevance of VUS		Yes

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A0131143	HP:0002419 Molar tooth sign on MRI HP:0010627 Anterior pituitary hypoplasia HP:0001998 Neonatal hypoglycemia HP:0002151 Increased serum lactate	<i>KIAA0753</i> NM_014804.2	c.1546-3C>A, p.(Asp439Glyfs*6), Pathogenic c.1891A>T, p.(Lys631*), Pathogenic c.2333T>C, p.(Met778Thr), Likely pathogenic	Joubert syndrome 38 MIM#619476				
A0131144	HP:0002028 Chronic diarrhea	<i>SPINT2</i> NM_021102.3	c.421C>G, p.(Pro141Ala), Likely pathogenic	Congenital secretory sodium diarrhea 3 MONDO:0010036				
A0131145	HP:0100026 Arteriovenous malformation HP:0002408 Cerebral arteriovenous malformation HP:0001250 Seizures	<i>ENG</i> NM_001114753.2	c.1470dup, p.(Asp491Argfs*10), Pathogenic	Hereditary haemorrhagic telangiectasia, type 1 MIM#187300		Longterm HHT surveillance		
A0131146	HP:0031677 Polymorphic ventricular tachycardia HP:0004756 Ventricular tachycardia HP:0001688 Sinus bradycardia HP:0001657 Prolonged QT interval HP:0001664 Torsade de pointes HP:0001663 Ventricular fibrillation HP:0007018 Attention deficit hyperactivity disorder	<i>RYR2</i> NM_001035.2	c.506G>A, p.(Arg169Gln), Pathogenic	Catecholaminergic polymorphic ventricular tachycardia (CPVT) 1 MIM#604772	Flecainide added to Nadolol	Electrophysiological study not necessary	Left cardiac sympathectomy performed and avoided ICD implantation	

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A0131148	HP:0007932 Bilateral congenital mydriasis HP:0001643 Patent ductus arteriosus HP:0001631 Atrial septal defect HP:0001297 Stroke HP:0009145 Abnormal cerebral artery morphology HP:0002079 Hypoplasia of the corpus callosum	ACTA2 NM_001613.2	c.535C>T, p.(Arg179Cys), Pathogenic	Multisystemic smooth muscle dysfunction syndrome MIM#613834		Baseline whole body MRA/MRV and additional referral to cardiology		
A0131151	HP:0011398 Central hypotonia HP:0002093 Respiratory insufficiency HP:0032407 Bilateral perisylvian polymicrogyria HP:0002508 Brainstem dysplasia HP:0001250 Seizures HP:0001518 Small for gestational age HP:0001558 Decreased fetal movement HP:0000046 Scrotal hypoplasia	HSD17B4 NM_000414.3	c.1517G>A, p.(Arg506His), Pathogenic c.31dupG, p.(Val11Glyfs*30) , Pathogenic	D-bifunctional protein deficiency MIM#261515				Yes

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A0131152	HP:0001601 Laryngomalacia HP:0008738 Partially duplicated kidney HP:0006989 Dysplastic corpus callosum HP:0000028 Cryptorchidism HP:0001631 Atrial septal defect HP:0000776 Congenital diaphragmatic hernia HP:0025386 Bitemporal hollowing HP:0000431 Wide nasal bridge HP:0000368 Low-set, posteriorly rotated ears HP:0000998 Hypertrichosis	ARID1B NM_020732.3	c.2281G>C, p.(Gly761Arg), Likely pathogenic	Coffin -Siris syndrome 1 MIM#135900				
A0131153	HP:0012622 Chronic kidney disease HP:0000113 Polycystic kidney dysplasia HP:0000093 Proteinuria HP:0000105 Enlarged kidney HP:0002902 Hyponatremia HP:0003113 Hypochloremia HP:0001508 Failure to thrive HP:0001270 Motor delay	INVS NM_014425.4	c.2719C>T, p.(Arg907*), Pathogenic c.3062_3063del, p.(Lys1021Serfs* 20), Likely pathogenic	Infantile nephronophthisis 2 MIM#602088			Avoided renal biopsy	
A0131154	HP:0001695 Cardiac arrest	RYR2 NM_001035.2	c.14297A>C, p.(Gln4766Pro), Likely pathogenic	Catecholaminergic polymorphic ventricular tachycardia (CPVT) 1 MIM#604772		Electrophysiological study not necessary	Avoided ICD implantation	
A0131155	HP:0007506 Congenital absence of skin of limbs HP:0008066 Abnormal blistering of the skin	COL7A1 NM_000094.3	c.3840delC, p.(Gly1281Valfs* 44), Pathogenic	Epidermolysis bullosa dystrophica MIM#226600		Avoided skin biopsy		

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	HP:0200097 Oral mucosal blisters HP:0031446 Erosion of oral mucosa		c.7474C>T, p.(Arg2492*), Pathogenic					
A0131157	HP:0000452 Choanal stenosis HP:0000237 Small anterior fontanelle HP:0002007 Frontal bossing HP:0430026 Abnormality of the shape of the midface HP:0001629 Ventricular septal defect	FGFR3 NM_000142.4	c.749C>G, p.(Pro250Arg), Pathogenic	Muenke syndrome MIM#602849		Referral to combined craniofacial/neurosurgery clinic		
A0131158	HP:0005684 Distal arthrogryposis HP:0001631 Atrial septal defect HP:0001274 Agenesis of corpus callosum HP:0003316 Butterfly vertebrae HP:0001884 Talipes calcaneovalgus HP:0000003 Multicystic kidney dysplasia HP:0000062 Ambiguous genitalia HP:0000347 Micrognathia HP:0000278 Retrognathia HP:0000369 Low-set ears HP:0000463 Anteverted nares HP:0000506 Telecanthus HP:0000431 Wide nasal bridge HP:0010557 Overlapping fingers HP:0000960 Sacral dimple	ALG3 NM_005787.5	c.512G>A, p.(Arg171Gln), Pathogenic	Congenital disorder of glycosylation, type Id MIM#601110		Additional referral to metabolic medicine and transferrin isoforms ordered		Yes

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A0331029	HP:0002023 Anal atresia HP:0000825 Hyperinsulinemic hypoglycemia HP:0000952 Jaundice HP:0001905 Congenital thrombocytopenia HP:0002901 Hypocalcemia HP:0002119 Ventriculomegaly HP:0002416 Subependymal cysts HP:0000954 Single transverse palmar crease HP:0031703 Abnormal ear morphology HP:0002007 Frontal bossing	KMT2D NM_003482.3	c.3190del, p.(Val1064Serfs*55), Pathogenic	Kabuki syndrome 1 MIM#147920		Referral to immunology.		
A0331032	HP:0001508 Failure to thrive HP:0011342 Mild global developmental delay HP:0012469 Infantile spasms HP:0000737 Irritability HP:0000496 Abnormality of eye movement	UBA5 NM_024818.4	c.280A>G, p.(Arg94Gly), Likely pathogenic c.1111G>A, p.(Ala371Thr), Pathogenic	Developmental and epileptic encephalopathy 44 MIM#617132				Yes

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A0331033	HP:0001684 Secundum atrial septal defect HP:0011451 Congenital microcephaly HP:0011667 Bilateral superior vena cava with bridging vein HP:0000175 Cleft palate HP:0002948 Vertebral fusion HP:0000085 Horseshoe kidney HP:0000800 Cystic renal dysplasia HP:0008689 Bilateral cryptorchidism HP:0000377 Abnormality of the pinna HP:0045075 Sparse eyebrow HP:0000455 Broad nasal tip HP:0000309 Abnormality of the midface HP:0000347 Micrognathia HP:0001792 Small nail	KMT2D NM_003482.3	c.11119C>T, p.(Arg3707*), Pathogenic	Kabuki syndrome 1 MIM#147920		Additional referral to developmental paediatrics and cardiology.		
A0331034	HP:0001250 Seizures HP:0000494 Downslanted palpebral fissures HP:0200134 Epileptic encephalopathy HP:0002376 Developmental regression HP:0011343 Moderate global developmental delay HP:0006863 Severe expressive language delay	NSD1 NM_022455.4	c.4919G>A, p.(Cys1640Tyr), Pathogenic	Sotos syndrome 1 MIM#117550	Rationalised AED medications.	Cardiac echo and renal ultrasound ordered		

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A0331035	HP:0002376 Developmental regression HP:0001263 Global developmental delay HP:0000505 Visual impairment HP:0000365 Hearing impairment HP:0001276 Hypertonia HP:0001257 Spasticity HP:0012171 Stereotypical hand wringing HP:0002121 Absence seizure HP:0012444 Brain atrophy HP:0002415 Leukodystrophy HP:0002463 Language impairment	<i>PPT1</i> NM_000310.3	c.169dupA, p.(Met57Asnfs*45), Pathogenic c.451C>T, p.(Arg151*), Pathogenic	Neuronal ceroid lipofuscinosis 1 MIM#256730		Avoided lumbar puncture and other investigations.		Yes
A0331039	HP:0032471 Focal polymicrogyria HP:0001873 Thrombocytopenia HP:0002092 Pulmonary arterial hypertension HP:0007371 Corpus callosum atrophy	<i>KDM5B</i> NM_006618.4	c.2117del, p.(Cys706Phefs*14), Pathogenic	KDM5B-related intellectual disability with dysmorphic features and KDM5B-related intellectual disability with incomplete penetrance MIM#618109;PMID:30409806				
A0331040	HP:0007023 Antenatal intracerebral hemorrhage HP:0001873 Thrombocytopenia HP:0001875 Neutropenia HP:0005461 Mild hemiparesis	<i>MPL</i> NM_005373.2	c.712G>T, p.(Gly238Cys), Likely pathogenic	Amegakaryocytic thrombocytopenia MIM#604498			Informed decision about BMT	

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	HP:0005548 Megakaryocytopenia HP:0012143 Abnormal megakaryocyte morphology HP:0031385 Megakaryocyte nucleus hypolobulation		c.305G>C, p.(Arg102Pro), Pathogenic					
A0331041	HP:0012469 Infantile spasms HP:0200134 Epileptic encephalopathy HP:0000256 Macrocephaly HP:0001263 Global developmental delay HP:0002194 Delayed gross motor development HP:0000505 Visual impairment HP:0000365 Hearing impairment HP:0010846 EEG with persistent abnormal rhythmic activity HP:0001252 Muscular hypotonia HP:0001548 Overgrowth HP:0001357 Plagiocephaly HP:0000248 Brachycephaly HP:0002265 Large fleshy ears	<i>CHD3</i> NM_001005273.2	c.2785C>T, p.(Leu929Phe), Pathogenic	Snijders Blok- Campeau syndrome MIM#618205		Echo, renal ultrasound, ophthalmology investigations ordered		
A0331044	HP:0007359 Focal-onset seizure HP:0002901 Hypocalcemia HP:0002917 Hypomagnesemia HP:0000836 Hyperthyroidism	<i>TRPM6</i> NM_017662.4	c.841+1G>A, p.?, Pathogenic	Hypomagnesaemia 1 MIM#602014	Treatment with magnesium supplements			
A0331045	HP:0030280 Rib gap HP:0000201 Pierre-Robin sequence	<i>SNRPB</i> NM_003091.3	c.155+301G>C, p.?, Pathogenic	Cerebrocostomandi- bular syndrome MIM#117650				

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A0331046	HP:0011834 Moyamoya phenomenon HP:0002123 Generalized myoclonic seizures	<i>CBL</i> NM_005188.3	c.1096-2A>T, p.?, Pathogenic	CBL-related disorder		Echocardiogram		
A0331047	HP:0001290 Generalized hypotonia HP:0001265 Hyporeflexia HP:0002098 Respiratory distress HP:0040288 Nasogastric tube feeding	<i>RYR1</i> NM_000540.2	c.5989G>A, p.(Glu1997Lys), Pathogenic	RYR1-related myopathy MONDO:0100150		Malignant hyperthermia precautions initiated with anaesthetics		
A0331051	HP:0001297 Stroke	<i>ETHE1</i> NM_014297.4	c.131_132delAG, p.(Glu44Valfs*62) , Pathogenic	Ethylmalonic encephalopathy MIM#602473	Specially formulated parenteral nutrition and vitamins. Additional treatments to reduce the generation of toxins.			
A0431018	HP:0002804 Arthrogryposis multiplex congenita HP:0002650 Scoliosis HP:0002827 Hip dislocation HP:0012469 Infantile spasms HP:0011968 Feeding difficulties HP:0001537 Umbilical hernia HP:0001263 Global developmental delay	<i>SNAP25</i> NM_130811.3	c.589C>T, p.(Gln197*), Likely pathogenic	SNAP25-related disorder		Nerve conduction studies initiated		

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A0431019	HP:0010512 Adrenal calcification HP:0001922 Vacuolated lymphocytes HP:0003281 Increased serum ferritin HP:0001928 Abnormality of coagulation HP:0002240 Hepatomegaly HP:0001744 Splenomegaly HP:0001541 Ascites HP:0001876 Pancytopenia HP:0001954 Recurrent fever HP:0002151 Increased serum lactate	LIPA NM_000235.3 UPD10	c.524A>C, p.(Gln175Pro), Likely pathogenic UPD10, Pathogenic	Wolman disease MIM#278000	Sebelipase alfa enzyme therapy for Wolman Disease			
A0431021	HP:0003072 Hypercalcemia HP:0000843 Hyperparathyroidism HP:0000938 Osteopenia HP:0002917 Hypomagnesemia HP:0002900 Hypokalemia	CASR NM_000388.3	c.190A>G, p.(Asn64Asp), Likely pathogenic c.101T>C, p.(Leu34Pro), Likely pathogenic	Neonatal hyperparathyroidis m MIM#239200	Medication started based on result	Investigations and referrals rationalised	Avoided thyroid biopsy	
A0431025	HP:0001319 Neonatal hypotonia HP:0002871 Central apnea HP:0000278 Retrognathia HP:0000237 Small anterior fontanelle HP:0000193 Bifid uvula HP:0001662 Bradycardia HP:0001943 Hypoglycemia	KCNK9 NM_001282534.1	c.706G>A, p.(Gly236Arg), Pathogenic	Birk-Barel syndrome MIM#612292		Sleep study ordered		
A0431030	HP:0005318 Cerebral vasculitis HP:0002140 Ischemic stroke HP:0000965 Cutis marmorata	ADA2 NM_001282225.2	c.336C>G, p.(His112Gln), Pathogenic	Vasculitis due to ADA2 deficiency MONDO:0014306	Added TNF-alpha inhibitor and reduced steroid	Reduced involvement from cardiology		

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	HP:0000678 Dental crowding HP:0000750 Delayed speech and language development HP:0002236 Frontal upsweep of hair HP:0025252 Geographic tongue		c.752C>T, p.(Pro251Leu), Pathogenic		dose			
A0431032	HP:0008905 Rhizomelia HP:0001876 Pancytopenia HP:0000050 Hypoplastic male external genitalia HP:0009755 Ankyloblepharon HP:0001643 Patent ductus arteriosus HP:0001943 Hypoglycemia HP:0002098 Respiratory distress	KAT6B NM_012330.3	c.5302C>T, p.(Gln1768*), Pathogenic	KAT6B-related disorder MIM#603736		Additional referral to audiology, ophthalmology, endocrinology, physiotherapy		
A0431034	HP:0011675 Arrhythmia HP:0001663 Ventricular fibrillation HP:0000717 Autism HP:0010865 Oppositional defiant disorder	RYR2 NM_001035.2	c.14311G>A, p.(Val4771Ile), Pathogenic	Catecholaminergic polymorphic ventricular tachycardia (CPVT) 1 MIM#604772			Insertion of AICD	
A0731001	HP:0002575 Tracheo-oesophageal fistula HP:0002744 Bilateral cleft lip and palate HP:0001629 Ventricular septal defect HP:0001172 Abnormal thumb morphology HP:0000394 Lop ear	CHD7 NM_017780.2	c.4393C>T, p.(Arg1465*), Pathogenic	CHARGE syndrome MIM#214800		Additional referral to ophthalmologist and ENT		

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A0731003	HP:0004383 Hypoplastic left heart HP:0001321 Cerebellar hypoplasia HP:0000218 High palate HP:0009110 Diaphragmatic eventration	KMT2D NM_003482.3	c.7997_8003dup, p.(Met2669Profs*7), Pathogenic	Kabuki syndrome MIM#147920				Yes
A0731008	HP:0004898 Persistent lactic acidosis HP:0001511 Intrauterine growth retardation HP:0001643 Patent ductus arteriosus HP:0001998 Neonatal hypoglycemia HP:0002490 Increased CSF lactate HP:0001319 Neonatal hypotonia	ACAD9 NM_014049.4	c.1169C>T, p.(Ala390Val), Likely pathogenic c.1185_1188delT GAG, p.(Ser395Argfs*43), Pathogenic	Nuclear type 20 mitochondrial complex I deficiency MIM#611126		Referred to neurometabolic clinic	Avoided muscle and skin biopsy	
A0731009	HP:0011342 Mild global developmental delay HP:0002133 Status epilepticus	DNM1L NM_012062.4	c.1207C>T, p.(Arg403Cys), Pathogenic	Encephalopathy due to defective mitochondrial peroxisomal fission 1 MIM#614388				
A0731010	HP:0001644 Dilated cardiomyopathy HP:0001639 Hypertrophic cardiomyopathy HP:0012817 Noncompaction cardiomyopathy HP:0001698 Pericardial effusion HP:0004979 Metaphyseal sclerosis HP:0001873 Thrombocytopenia	DSP NM_004415.2	c.8077_8080delA AAG, p.(Lys2693Profs*3), Pathogenic	Dilated cardiomyopathy MIM#615821		Investigations and referral rationalised		Yes

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A0731012	HP:0200134 Epileptic encephalopathy	BSCL2 NM_001122955.3	c.446C>G, p.(Pro149Arg), Likely pathogenic	Developmental and epileptic encephalopathy, BSCL2-related, autosomal dominant. MONDO:0100062				Yes
A0831001	HP:0200134 Epileptic encephalopathy HP:0001336 Myoclonus	STXBP1 NM_003165.3	c.1651C>T, p.(Arg551Cys), Pathogenic	STXBP1-related epileptic encephalopathy MIM#612164	Ceased pyridoxine	Ceased metabolic investigations		Yes
A0831016	HP:0002133 Status epilepticus HP:0002194 Delayed gross motor development HP:0010851 EEG with burst suppression	POLG NM_002693.2	c.1399G>A, p.(Ala467Thr), Pathogenic c.3538_3539dup TT, p.(Ala1182Valfs*13), Pathogenic	Mitochondrial DNA depletion syndrome 4A (Alpers type) MIM#203700	Rationalised AED medications.			Yes
A0831017	HP:0012622 Chronic kidney disease HP:0000822 Hypertension HP:0012593 Nephrotic range proteinuria HP:0002907 Microscopic hematuria	MYH9 NM_002473.5	c.2680G>A, p.(Glu894Lys), Likely pathogenic	Macrothrombocytopenia and granulocyte inclusions with or without nephritis or sensorineural hearing loss MIM#155100	Commenced haemodialysis			

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A0831022	HP:0002803 Congenital contracture HP:0002878 Respiratory failure HP:0002104 Apnea HP:0001662 Bradycardia HP:0000347 Micrognathia HP:0000369 Low-set ears HP:0010851 EEG with burst suppression HP:0002374 Diminished movement	SCN2A NM_001040142.2	c.1267G>C, p.(Val423Leu), Pathogenic	Developmental and epileptic encephalopathy 11 MIM#613721				Yes
A0831023	HP:0002092 Pulmonary arterial hypertension HP:0005162 Left ventricular dysfunction HP:0001629 Ventricular septal defect HP:0000260 Wide anterior fontanel	AFF4 NM_014423.4	c.778A>G, p.(Met260Val), Likely pathogenic	CHOPS syndrome MIM#616368				Yes
A0831027	HP:0000776 Congenital diaphragmatic hernia HP:0008689 Bilateral cryptorchidism HP:0000347 Micrognathia HP:0000047 Hypospadias HP:0000126 Hydronephrosis HP:0001561 Polyhydramnios HP:0010880 Increased nuchal translucency	PBX1 NM_002585.4	c.700C>T, p.(Arg234Trp), Pathogenic	Congenital anomalies of kidney and urinary tract syndrome with or without hearing loss, abnormal ears, or developmental delay or CAKUTED MIM#617641				Yes

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A0831028	HP:0100257 Ectrodactyly HP:0010760 Absent toe HP:0001274 Agenesis of corpus callosum HP:0001629 Ventricular septal defect HP:0001545 Anteriorly placed anus HP:0001320 Cerebellar vermis hypoplasia HP:0000278 Retrognathia HP:0000494 Downslanted palpebral fissures HP:0000369 Low-set ears	DDX3X NM_001356.4	c.1600C>T, p.(Arg534Cys), Pathogenic	Intellectual developmental disorder, Snijders Blok type syndrome MIM#300958				Yes
A1131007	HP:0011398 Central hypotonia HP:0001319 Neonatal hypotonia HP:0001263 Global developmental delay HP:0002871 Central apnea HP:0032114 Saccadic intrusion HP:0004305 Involuntary movements HP:0100703 Tongue thrusting HP:0001290 Generalized hypotonia	DNM1L NM_012062.4	c.115A>C, p.(Ser39Arg), Likely pathogenic	Encephalopathy, lethal, due to defective mitochondrial peroxisomal fission 1 MIM#614388		Cancelled investigations: ERG, VER, repeat MRI brain. Skin biopsy and fibroblast testing initiated		Yes
A1131010	HP:0002376 Developmental regression HP:0001250 Seizures	PRRT2 NM_001256442.1	c.1001T>A, p.(Ile334Asn), Likely pathogenic	Seizures MIM#605751				
A1131013	HP:0001250 Seizures HP:0200134 Epileptic encephalopathy	KCNQ2 NM_172107.3	c.829A>G, p.(Thr277Ala), Pathogenic	Epileptic encephalopathy, early infantile MIM#613720	Rationalised AED medications.			

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A1131014	HP:0000252 Microcephaly HP:0001339 Lissencephaly HP:0001274 Agenesis of corpus callosum HP:0001263 Global developmental delay HP:0100704 Cerebral visual impairment HP:0011476 Profound sensorineural hearing impairment	WDR81 NM_001163673.1	c.234C>A, p.(Tyr78*), Pathogenic c.1802G>T, p.(Gly601Val), Likely pathogenic	WDR81-related neurodevelopmental disorder				Yes
A1131015	HP:0001250 Seizures HP:0001290 Generalized hypotonia HP:0001662 Bradycardia HP:0011968 Feeding difficulties	PURA NM_005859.4	c.228delC, p.(Asp76Glufs*2) , Pathogenic	Mental retardation MIM#616158	Rationalised AED medications.	Echocardiogram and renal ultrasound ordered		
A1131017	HP:0001943 Hypoglycemia HP:0003128 Lactic acidosis HP:0001399 Hepatic failure HP:0001635 Congestive heart failure HP:0001951 Episodic ammonia intoxication	TFAZZIN NM_000116.3	c.532T>A, p.(Phe178Ile), Likely pathogenic	Barth syndrome MIM#302060				Yes
A1131021	HP:0001263 Global developmental delay HP:0001915 Aplastic anemia HP:0001513 Obesity HP:0000098 Tall stature HP:0100543 Cognitive impairment HP:0000391 Thickened helices HP:0011228 Horizontal eyebrow HP:0000256 Macrocephaly	GRIN1 NM_007327.3	c.421G>A, p.(Val141Met), Likely pathogenic	Autosomal dominant neurodevelopmental disorder with or without hyperkinetic movements and seizures MIM#614254			Informed BMT	

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A1131024	HP:0004713 Reversible renal failure HP:0001878 Hemolytic anemia HP:0005575 Hemolytic-uremic syndrome	CFH operon NM_000186.4	c. ?, p.?, Pathogenic	Atypical haemolytic uraemic syndrome (aHUS) MIM#612923;2354 00	Established need for long term eculizumab. No ongoing need for plasma exchange		Renal biopsy cancelled	
		CFI NM_000204.3	c.355G>A, p.(Gly119Arg), Pathogenic					
		CFTR NM_000492.3	c.1521_1523delC TT, p.(Phe508del), Pathogenic	Cystic fibrosis MIM# 219700				
A1131026	HP:0002507 Semilobar holoprosencephaly HP:0000252 Microcephaly HP:0009099 Median cleft palate HP:0100336 Bilateral cleft lip HP:0000612 Iris coloboma HP:0003228 Hypernatremia HP:0000873 Diabetes insipidus HP:0001250 Seizures HP:0005285 Absent nasal bridge	SHH NM_000193.3	c.1- 3225_300+2938d el, p.?, Likely pathogenic	Holoprosencephaly 3 MIM#142945				
A1131027	HP:0002049 Proximal renal tubular acidosis HP:0001994 Renal Fanconi syndrome HP:0002900 Hypokalemia HP:0002148 Hypophosphatemia HP:0001942 Metabolic acidosis HP:0001824 Weight loss	CTNS NC_000017.11	g.3600934_3658 165del, p.?, Pathogenic	Nephropathic cystinosis MIM#219800	Cystagon- specific therapy started	Investigations and referrals rationalised		

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A1131028	HP:0001298 Encephalopathy HP:0001290 Generalized hypotonia HP:0001284 Areflexia HP:0000252 Microcephaly HP:0001873 Thrombocytopenia HP:0100502 Vitamin B12 deficiency HP:0010919 Abnormal circulating homocysteine concentration HP:0010901 Abnormal circulating methionine concentration	MTHFR NM_005957.4	c.1013T>C, p.(Met338Thr), Pathogenic c.1699C>T, p.(Arg567*), Pathogenic	MTHFR deficiency MIM#236250	S-adenosyl methionine started. Vitamin B12 intramuscular injection adjusted.			
A1131029	HP:0001250 Seizures HP:0002791 Hypoventilation HP:0000639 Nystagmus HP:0000273 Facial grimacing HP:0012332 Abnormal autonomic nervous system physiology	WWOX NM_016373.3	c.982_998del, p.(Tyr328Glnfs*1 95), Pathogenic c.606-1779_792- 2745del, p.(Pro203_Arg26 4del), Pathogenic	Developmental and epileptic encephalopathy 28 MIM#616211	Rationalised AED medications.	Investigations and referrals rationalised		Yes
A1131032	HP:0003774 Stage 5 chronic kidney disease HP:0000100 Nephrotic syndrome HP:0000112 Nephropathy HP:0000822 Hypertension HP:0001513 Obesity HP:0000316 Hypertelorism HP:0000486 Strabismus	ACTN4 NM_004924.5	c.584G>T, p.(Gly195Val), Pathogenic	Glomerulosclerosis, focal segmental, 1 MIM#603278				

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A1131033	HP:0002098 Respiratory distress HP:0002789 Tachypnea HP:0001371 Flexion contracture HP:0011448 Ankle clonus HP:0000851 Congenital hypothyroidism HP:0000028 Cryptorchidism HP:0000252 Microcephaly HP:0001511 Intrauterine growth retardation	<i>RAD51</i> NM_002875.4	c.590C>T, p.(Thr197Ile), Likely pathogenic	Complementation group R fanconi anemia MIM#617244		Additional referral to haematology, ophthalmology, endocrinology		
A1131034	HP:0000093 Proteinuria HP:0003259 Elevated serum creatinine	<i>WT1</i> NM_024426.3	c.1432+1G>A, p.?, Pathogenic	Frasier syndrome MIM#136680		Additional referral to endocrine, surgical, sex disorders multidisciplinary team.	Imaging of the pelvis that revealed dysplastic gonads, leading to gonad biopsy revealing bilateral gonadoblastomas followed by the bilateral gonadectomy.	

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A1131035	HP:0004383 Hypoplastic left heart HP:0000252 Microcephaly HP:0000175 Cleft palate HP:0000085 Horseshoe kidney HP:0006585 Congenital pseudoarthrosis of the clavicle HP:0001374 Congenital hip dislocation HP:0000316 Hypertelorism HP:0000527 Long eyelashes HP:0000219 Thin upper lip vermilion HP:0010751 Dimple chin HP:0000278 Retrognathia HP:0000358 Posteriorly rotated ears	KMT2D NM_003482.3	c.10198C>T, p.(Gln3400*), Pathogenic	Kabuki syndrome 1 MIM#147920			Decision to not pursue further surgery for complex CHD	Yes
A1131038	HP:0031063 Impaired feeding ability HP:0011471 Gastrostomy tube feeding in infancy HP:0000252 Microcephaly HP:0000347 Micrognathia HP:0000047 Hypospadias HP:0002092 Pulmonary arterial hypertension HP:0001655 Patent foramen ovale HP:0001290 Generalized hypotonia HP:0001263 Global developmental delay HP:0008527 Congenital sensorineural hearing impairment	SMS NM_004595.4	c.674T>C, p.(Val225Ala), Likely pathogenic	Snyder-Robinson type MIM#309583				

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A1131047	HP:0012516 Tetralogy of Fallot with pulmonary atresia HP:0012020 Right aortic arch HP:0001338 Partial agenesis of the corpus callosum HP:0001545 Anteriorly placed anus HP:0001195 Single umbilical artery	<i>PIK3CA</i> NM_006218.2	c.263G>A, p.(Arg88Gln), Pathogenic	Megalencephaly- capillary malformation- polymicrogyria syndrome MIM#602501		Additional referrals to respiratory, ENT, general paediatrics.		
A1131049	HP:0002744 Bilateral cleft lip and palate HP:0000589 Coloboma HP:0031801 Vocal cord dysfunction HP:0007209 Facial paralysis HP:0001643 Patent ductus arteriosus HP:0010946 Dilatation of the renal pelvis HP:0007109 Periventricular cysts	<i>CHD7</i> NM_017780.2	c.7711_7718del, p.(Val2571Serfs* 2), Pathogenic	CHARGE syndrome MIM#214800				
A1431023	HP:0001880 Eosinophilia HP:0001882 Leukopenia HP:0001019 Erythroderma	<i>RAG2</i> NM_001243786.1	c.1247G>T, p.(Trp416Leu), Pathogenic	Omenn syndrome MIM#603554			Informed BMT planning	
A1431025	HP:0001298 Encephalopathy HP:0001263 Global developmental delay HP:0000486 Strabismus HP:0000639 Nystagmus HP:0001276 Hypertonia HP:0002490 Increased CSF lactate HP:0002151 Increased serum lactate HP:0001875 Neutropenia	<i>NDUFS4</i> NM_002495.3	c.350+1G>T, p.?, Likely pathogenic	Mitochondrial complex I deficiency, nuclear type 1 MIM#252010				Yes

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A1431029	HP:0001723 Restrictive cardiomyopathy HP:0001639 Hypertrophic cardiomyopathy HP:0001695 Cardiac arrest HP:0031295 Left atrial enlargement HP:0030718 Right atrial enlargement	<i>TNNT2</i> NM_000364.2	c.310C>A, p.(Arg104Ser), Pathogenic	hypertrophic cardiomyopathy MIM#115195				
A1431032	HP:0002605 Hepatic necrosis HP:0001928 Abnormality of coagulation HP:0001951 Episodic ammonia intoxication	<i>OTC</i> NM_000531.5	c.621C>A, p.(Ser207Arg), Likely pathogenic	Ornithine transcarbamylase deficiency MIM#311250			Avoided liver biopsy, had liver transplant based on result - team worried if it wasn't OTC that liver transplant would not treat condition	
A1431033	HP:0003074 Hyperglycemia HP:0004388 Microcolon HP:0001629 Ventricular septal defect HP:0002151 Increased serum lactate HP:0001518 Small for gestational age HP:0000260 Wide anterior fontanel HP:0001903 Anemia	<i>PTF1A</i> NM_178161.2	c.571C>A, p.(Pro191Thr), Likely pathogenic	Pancreatic agenesis 2 or pancreatic and cerebellar agenesis MIM#615953;609069	Started on creon for pancreatic exocrine insufficiency. Insulin changed from temporary to permanent with view to progress to insulin pump	MRI brain to look for potential cerebella changes. Rationalised specialists involved in care.		
A1431037	HP:0001744 Splenomegaly HP:0002240 Hepatomegaly HP:0001873 Thrombocytopenia HP:0001903 Anemia HP:0002908 Conjugated hyperbilirubinemia HP:0002098 Respiratory distress	<i>GBA</i> NM_000157.3	c.1342G>C, p.(Asp448His), Pathogenic c.887G>A, p.(Arg296Gln), Pathogenic	Gaucher disease MIM#230800	Enzyme replacement therapy. Ceased treatment for GALT	Investigations and referrals rationalised		

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A1431041	HP:0011664 Left ventricular noncompaction cardiomyopathy HP:0001030 Fragile skin	<i>CUL3</i> NM_003590.4	c.1156_1159delinsTC, p.?, Likely pathogenic	CUL3-related neurodevelopmental disorder MIM#619239				
A1431047	HP:0001639 Hypertrophic cardiomyopathy HP:0004308 Ventricular arrhythmia	<i>FHL1</i> NM_001159699.1	c.613_614delGT, p.(Val205Tyrfs*4), Pathogenic	X-linked recessive Emery-Dreifuss muscular dystrophy 6, X-linked MIM#300696		Neuromuscular specialist review. Malignant hyperthermia precautions initiated with anaesthetics	Informed decision for cardiac transplant	
A1431050	HP:0002721 Immunodeficiency HP:0008777 Abnormal vocal cord morphology HP:0005483 Abnormal epiglottis morphology HP:0031703 Abnormal ear morphology HP:0002901 Hypocalcemia	<i>CHD7</i> NM_017780.2	c.6371T>C, p.(Phe2124Ser), Likely pathogenic	CHARGE syndrome MIM#214800	Medications rationalised			Yes
A1431053	HP:0001250 Seizures HP:0410263 Brain imaging abnormality HP:0006965 Acute necrotizing encephalopathy	<i>RANBP2</i> NM_006267.4	c.1754C>T, p.(Thr585Met), Pathogenic	Acute infection-induced encephalopathy 3 MIM#608033	Weaned off steroids			
A1431054	HP:0001639 Hypertrophic cardiomyopathy	<i>MRAS</i> NM_001085049.2	c.212A>G, p.(Gln71Arg), Pathogenic	Noonan syndrome 11 MIM#618499		Additional referral to oncology and immunology		

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A1431056	HP:0011679 Tetralogy of Fallot with pulmonary stenosis HP:0005164 Dysplastic pulmonary valve HP:0001539 Omphalocele HP:0000913 Posterior rib fusion HP:0000086 Ectopic kidney HP:0001338 Partial agenesis of the corpus callosum HP:0000054 Micropenis HP:0001545 Anteriorly placed anus HP:0001727 Thromboembolic stroke HP:0030242 Portal vein thrombosis HP:0030283 Partial absence of the septum pellucidum HP:0004691 2-3 toe syndactyly	CHD4 NM_001273.4	c.3529C>T, p.(Arg1177Cys), Pathogenic	Sifrim-Hitz-Weiss syndrome MIM#617159		Additional referral for hearing and visual screen, re- referral to neurology and endocrinology. Suggested repeat gonadotrophin level testing		
A1431057	HP:0000252 Microcephaly HP:0001250 Seizures HP:0410263 Brain imaging abnormality HP:0002828 Multiple joint contractures HP:0009879 Simplified gyral pattern HP:0000368 Low-set, posteriorly rotated ears HP:0000426 Prominent nasal bridge HP:0003186 Inverted nipples HP:0000347 Micrognathia	ALG1 NM_019109.4	c.773C>T, p.(Ser258Leu), Pathogenic c.1187+3A>G, p.?, Pathogenic	Type 1k congenital disorder of glycosylation MIM#608540		Additional surveillance ordered, including coagulation, echocardiogram, abdominal ultrasound		Yes
A1431058	HP:0001644 Dilated cardiomyopathy HP:0030149 Cardiogenic shock	BAG3 NM_004281.3	c.367C>T, p.(Arg123*), Pathogenic	Dilated cardiomyopathy 1HH MIM#613881			Informed decision for cardiac transplant	

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A1431059	HP:0001252 Muscular hypotonia HP:0002747 Respiratory insufficiency due to muscle weakness HP:0003236 Elevated serum creatine kinase HP:0001324 Muscle weakness HP:0001371 Flexion contracture	LAMA2 NM_000426.3	c.442delC, p.(Arg148Glyfs*2 4), Pathogenic c.1207-1G>A, p.?, Likely pathogenic	Congenital merosin deficient muscular dystrophy MIM#607855	Prednisolone started	Additional referral to neurogenetics. Investigations and referrals rationalised		
A1431060	HP:0200134 Epileptic encephalopathy HP:0010952 Mild fetal ventriculomegaly HP:0032144 Coffee ground vomitus HP:0005301 Persistent left superior vena cava	ALDH7A1 NM_001182.4	c.1061A>C, p.(Tyr354Ser), Pathogenic c.1468delG, p.(Ala490Leufs*2 8), Pathogenic	Epilepsy, pyridoxine- dependent MIM#266100	Rationalised AED medications.	Avoided extensive metabolic investigations including lumbar puncture		
A1531005	HP:0005671 Bilateral intracranial calcifications HP:0001873 Thrombocytopenia HP:0001511 Intrauterine growth retardation HP:0002514 Cerebral calcification	SAMHD1 NM_015474.3	c.968T>C, p.(Leu323Pro), Likely pathogenic	Aicardi-Goutières syndrome 5 MIM#612952		Avoided investigations including lumbar puncture		Yes
A1531006	HP:0001518 Small for gestational age HP:0002202 Pleural effusion HP:0012020 Right aortic arch HP:0001873 Thrombocytopenia HP:0002901 Hypocalcemia HP:0030283 Partial absence of the septum pellucidum HP:0006849 Hypodysplasia of the corpus callosum	PTPN11 NM_002834.3	c.1507G>A, p.(Gly503Arg), Pathogenic	Noonan syndrome MIM#163950		Additional referral to general paediatrics		

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A2131010	HP:0200134 Epileptic encephalopathy HP:0032407 Bilateral perisylvian polymicrogyria HP:0011398 Central hypotonia HP:0000316 Hypertelorism HP:0000455 Broad nasal tip	<i>SPTAN1</i> NM_001130438.2	c.6619_6621del, p.(Glu2207del), Pathogenic	Developmental and epileptic encephalopathy 5 MIM#613477	Influenced choice of AED.			
A2231002	HP:0006846 Acute encephalopathy HP:0001250 Seizures HP:0011398 Central hypotonia HP:0001048 Cavernous hemangioma	<i>AMT</i> NM_000481.3	c.1074_1076del, p.(Lys358del), Likely pathogenic	Glycine encephalopathy MIM#605899				Yes
			c.14dupT, p.(Ser6Lysfs*22), Pathogenic					
A2331003	HP:0001789 Hydrops fetalis HP:0000062 Ambiguous genitalia HP:0004969 Peripheral pulmonary artery stenosis	<i>PTPN11</i> NM_002834.3	c.1505C>T, p.(Ser502Leu), Pathogenic	Noonan syndrome 1 MIM#163950				
A2331004	HP:0004902 Congenital lactic acidosis HP:0001290 Generalized hypotonia HP:0012650 Perisylvian polymicrogyria HP:0001928 Abnormality of coagulation HP:0004305 Involuntary movements	<i>LRPPRC</i> NM_133259.3	c.2882T>C, p.(Leu961Pro), Likely pathogenic	Leigh syndrome, French-Canadian type MIM#220111				Yes
		<i>LRPPRC</i> NC_000002.12	g.43986415_440 09956del, p.?, Pathogenic					

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A2831006	HP:0001511 Intrauterine growth retardation HP:0000347 Micrognathia HP:0000369 Low-set ears HP:0006610 Wide intermamillary distance HP:0000954 Single transverse palmar crease HP:0001838 Rocker bottom foot	<i>DYRK1A</i> NM_001347721.1	c.638-9_638-5delCTTT, p.?, Pathogenic	DYRK1A-related intellectual disability syndrome, MONDO: 0013578 MIM#614104				
A2831008	HP:0001541 Ascites HP:0002098 Respiratory distress HP:0001903 Anemia HP:0001873 Thrombocytopenia HP:0001433 Hepatosplenomegaly HP:0001888 Lymphopenia	<i>LIPA</i> NM_000235.3	c.111+1G>A, p.?, Pathogenic c.1055_1057delACG, p.(Asp352del), Likely pathogenic	Wolman disease MIM#278000	Commenced enzyme replacement therapy for Lysosomal acid Lipase deficiency (Wolman disease)			
A3031007	HP:0011398 Central hypotonia HP:0000508 Ptosis HP:0002033 Poor suck	<i>UGP2</i> NM_001001521.1	c.1A>G, p.(Met1?), Pathogenic	Developmental and epileptic encephalopathy 83 MIM#618744		Investigations rationalised, avoided muscle biopsy. Additional referral to neurology		Yes
A3031008	HP:0002092 Pulmonary arterial hypertension HP:0001622 Premature birth HP:0030918 Low 1-minute APGAR score HP:0030919 Low 5-minute APGAR score HP:0004887 Respiratory failure requiring assisted ventilation HP:0002686 Prenatal maternal abnormality	<i>FOXF1</i> NM_001451.2	c.21delG, p.(Lys7Asnfs*63), Pathogenic	Alveolar capillary dysplasia with misalignment of pulmonary veins MIM#265380				Yes

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, <i>further detail regarding partial diagnosis*)</i>	Changes in medication	Improved process of care	Surgical procedures	Palliation
A3031010	HP:0001789 Hydrops fetalis HP:0000369 Low-set ears HP:0000358 Posteriorly rotated ears HP:0000337 Broad forehead HP:0002202 Pleural effusion HP:0001541 Ascites	<i>RAF1</i> NM_001354689.1	c.781C>T, p.(Pro261Ser), Pathogenic	Noonan syndrome MIM#611553		Additional referral to cardiology		
A3031011	HP:0001930 Nonspherocytic hemolytic anemia HP:0001789 Hydrops fetalis	<i>SLC4A1</i> NM_000342.3	c.1199_1225del, p.(Ala400_Ala40 8del), Pathogenic	Ovalocytosis, SA type MIM#166900				

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A3031012	HP:0200128 Biventricular hypertrophy HP:0001650 Aortic valve stenosis HP:0000954 Single transverse palmar crease HP:0000028 Cryptorchidism	<i>RIT1</i> NM_006912.5	c.270G>A, p.(Met90Ile), Pathogenic	Noonan syndrome 8 MIM#615355		Additional referral to cardiology		
A3031013	HP:0001298 Encephalopathy HP:0410263 Brain imaging abnormality HP:0003128 Lactic acidosis HP:0001290 Generalized hypotonia HP:0001250 Seizures	<i>PDHA1</i> NM_000284.3	c.483C>T, p.(Tyr161=), Pathogenic	Pyruvate dehydrogenase E1- alpha deficiency MIM#312170	Commenced on high dose thiamine + ketogenic diet			Yes
A3231006	HP:0008064 Ichthyosis	<i>TGM1</i> NM_000359.2	c.877-2A>G, p.?, Pathogenic	Congenital ichthyosis 1 MIM#242300		Rationalised investigations. Avoided skin biopsy		
			c.790C>T, p.(Arg264Trp), Pathogenic					
A3331001	HP:0001298 Encephalopathy HP:0003201 Rhabdomyolysis HP:0005184 Prolonged QTc interval HP:0000821 Hypothyroidism HP:0001263 Global developmental delay HP:0001250 Seizures HP:0001943 Hypoglycemia	<i>TANGO2</i> NM_152906.6	c.256C>T, p.(Arg86*), Pathogenic	Metabolic encephalomyopathy c crises, recurrent, with rhabdomyolysis, cardiac arrhythmias, and neurodegeneration MIM#616878	Coenzyme Q started. Sick day management plan initiated.			
		<i>TANGO2</i> NC_000022.11	g.20041466_20075200del, p.?, Pathogenic					

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
Partial diagnoses								
A0131112	HP:0006530 Interstitial pulmonary abnormality HP:0002092 Pulmonary arterial hypertension	ADAMTS13 NM_139025.4	c.1169G>A, p.(Trp390*), Pathogenic	Thrombotic thrombocytopenic purpura, hereditary MIM#274150 <i>Severity of clinical presentation not fully explained, required ECMO and subsequently died.</i>		Additional referral to haematology, ADAMTS13 level investigated		
			c.1705+1G>A, p.?, Likely pathogenic					
A0131133	HP:0001250 Seizures HP:0003201 Rhabdomyolysis HP:0000750 Delayed speech and language development HP:0002376 Developmental regression HP:0001298 Encephalopathy HP:0002910 Elevated hepatic transaminase	DMD NM_004006.2	c.650-39498A>G, p.(Asp217Alafs*2), Pathogenic	Dystrophinopathy <i>Did not explain rhabdomyolysis.</i>	Medications rationalised	Referral to neurology team as primary care team. Investigations and referrals rationalised.		

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A0331025	HP:0002958 Immune dysregulation HP:0012819 Myocarditis HP:0003765 Psoriasiform dermatitis HP:0012265 Ciliary dyskinesia HP:0001696 Situs inversus totalis HP:0002665 Lymphoma HP:0002861 Melanoma HP:0002671 Basal cell carcinoma HP:0002860 Squamous cell carcinoma	<i>DNAAF4</i> NM_130810.3	c.784_893del, p.(Trp262Glnfs*1 6), Pathogenic	Primary ciliary dyskinesia, 25 MIM#615482 <i>Did not explain the reason for acute deterioration, myocarditis.</i>				
A0431024	HP:0001644 Dilated cardiomyopathy HP:0005110 Atrial fibrillation HP:0002342 Intellectual disability, moderate HP:0011343 Moderate global developmental delay	<i>RYR2</i> NM_001035.2	c.14174A>G, p.(Tyr4725Cys), Pathogenic	Catecholaminergic polymorphic ventricular tachycardia (CPVT) 1 MIM#604772 <i>Did not explain intellectual disability.</i>			Insertion of AICD	
A1531007	HP:0003026 Short long bone HP:0007957 Corneal opacity HP:0000023 Inguinal hernia HP:0000811 Abnormal external genitalia HP:0000271 Abnormality of the face	<i>PROKR2</i> NM_144773.3	c.58delC, p.(His20Metfs*2 4), Likely pathogenic	Hypogonadotropic hypogonadism 3 with or without anosmia MONDO:0009482 <i>Did not explain IUGR, corneal clouding and dysmorphic features.</i>		Additional referral for endocrine review		

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, <i>further detail regarding partial diagnosis*)</i>	Changes in medication	Improved process of care	Surgical procedures	Palliation
A2331002	HP:0001250 Seizures HP:0006543 Cardiorespiratory arrest	<i>DMD</i> NM_004006.2	c.7098+2804_75 42+11514del, p.(Glu2367_Lys2 514del), Pathogenic	X-linked muscle disorders referred to as dystrophinopathies in males, including Becker muscular dystrophy MIM#310200 <i>Did not explain seizures.</i>				

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
Dual diagnosis								
A0131156	HP:0002133 Status epilepticus HP:0001274 Agenesis of corpus callosum HP:0001629 Ventricular septal defect HP:0000175 Cleft palate HP:0100542 Abnormal localization of kidney HP:0002342 Intellectual disability, moderate HP:0000252 Microcephaly	DOCK7 NM_001271999.1	c.4243C>T, p.(Arg1415*), Pathogenic	Developmental and epileptic encephalopathy 23 MIM#615859				
			c.453dupA, p.(Gly152Argfs*8), Pathogenic					
		ARHGAP35 NM_004491.4	c.2814dupT, p.(Lys939*), Pathogenic	neurodevelopmental disorder, ARHGAP35-related MONDO:0700092				
A0331057	HP:0001263 Global developmental delay HP:0002376 Developmental regression HP:0001250 Seizures HP:0001252 Muscular hypotonia HP:0001298 Encephalopathy	COL4A1 NM_001845.5	c.1702G>T, p.(Gly568Cys), Likely pathogenic	COL4A1-related cerebral small vessel disease MONDO:0018788				
		KCNT1 NM_020822.2	See supp. table 3	See supp. table 3				

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A0431020	HP:0008677 Congenital nephrotic syndrome HP:0011387 Enlarged vestibular aqueduct HP:0008619 Bilateral sensorineural hearing impairment HP:0025492 Microcoria HP:0004713 Reversible renal failure	LAMB2 NM_002292.3	c.2494C>T, p.(Gln832*), Pathogenic	Pierson syndrome MIM#609049		Thyroid surveillance	Avoided renal biopsy	
		SLC26A4 NM_000441.1	c.1489G>A, p.(Gly497Ser), Pathogenic	Deafness with enlarged vestibular aqueduct and Pendred syndrome MIM#600791;274600				
A1131042	HP:0001669 Transposition of the great arteries HP:0001629 Ventricular septal defect HP:0005148 Pulmonary valve defects HP:0000776 Congenital diaphragmatic hernia HP:0000047 Hypospadias HP:0008064 Ichthyosis HP:0000239 Large fontanelles HP:0000175 Cleft palate HP:0006530 Interstitial pulmonary abnormality HP:0001508 Failure to thrive HP:0003334 Elevated circulating catecholamine level HP:0005328 Progeroid facial appearance HP:0001507 Growth abnormality	FLG NM_002016.1	c.2929C>T, p.(Gln977*), Pathogenic	Ichthyosis vulgaris MIM#146700				
		GNB1 NM_002074.4	c.230G>A, p.(Gly77Asp), Pathogenic	Intellectual disability 42 MIM#616973				

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, <i>further detail regarding partial diagnosis*</i>)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A0131089	HP:0200134 Epileptic encephalopathy	KCNQ2 NM_172107.3	c.901G>A, p.(Gly301Ser), Pathogenic	Autosomal dominant febrile seizures, familial, 8 MIM#607681	Commenced on oxcarbazepine and phenytoin. Vitamins and levetiracetam ceased.			
		GABRG2 NM_198903.2	See supp. table 2	See supp. table 2				

* further detail regarding partial diagnoses included in *italics* for partial diagnoses only

Supplementary Table 2: Patients receiving a diagnosis (including partial or dual diagnoses) obtained through extended analysis and functional validation, including presenting features, molecular diagnosis and clinician-reported clinical utility.

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, <i>further detail regarding partial diagnosis*)</i>	Changes in medication	Improved process of care	Surgical procedures	Palliation
A0131063	HP:0006554 Acute hepatic failure HP:0001928 Abnormality of coagulation HP:0001943 Hypoglycemia	NBAS NM_015909.3	c.2951T>G, p.(Ile984Ser), Pathogenic	Infantile liver failure syndrome 2 MIM#616483				
			c.406A>G, p.(Arg136Gly), Likely pathogenic					
A0131122	HP:0001511 Intrauterine growth retardation HP:0008897 Postnatal growth retardation HP:0001888 Lymphopenia HP:0002028 Chronic diarrhea HP:0001955 Unexplained fevers HP:0001903 Anemia HP:0008905 Rhizomelia HP:0012385 Camptodactyly HP:0007598 Bilateral single transverse palmar creases HP:0100512 Low levels of vitamin D	RMRP NR_003051.3	n.-5_- 4insAACTACTCTGT GAAGCTGA, p.?, Pathogenic	Cartilage-hair hypoplasia MIM#250250				
			n.93_94insA, p.?, Pathogenic					

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, <i>further detail regarding partial diagnosis*</i>)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A0131129	HP:0000369 Low-set ears HP:0000347 Micrognathia HP:0000278 Retrognathia HP:0000316 Hypertelorism HP:0010823 Ridged cranial sutures HP:0011220 Prominent forehead HP:0025386 Bitemporal hollowing HP:0000767 Pectus excavatum HP:0009017 Loss of gluteal subcutaneous adipose tissue HP:0031139 Frog-leg posture HP:0011398 Central hypotonia HP:0012389 Appendicular hypotonia HP:0001998 Neonatal hypoglycemia	<i>DMPK</i> NM_004409.5	Allele 1: 5 repeats Allele 2: ~900 repeats	Myotonic dystrophy 1 MIM#160900				
A0431022	HP:0012751 Abnormal basal ganglia MRI signal intensity HP:0002151 Increased serum lactate HP:0002490 Increased CSF lactate HP:0009830 Peripheral neuropathy HP:0001298 Encephalopathy HP:0009053 Distal lower limb muscle weakness HP:0003236 Elevated serum creatine kinase	<i>PDHA1</i> NM_000284.3	c.1045G>A, p.(Ala349Thr), Likely pathogenic	pyruvate dehydrogenase E1- alpha deficiency MIM#312170				

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A0731002	HP:0008846 Severe intrauterine growth retardation HP:0001838 Rocker bottom foot HP:0006989 Dysplastic corpus callosum HP:0010508 Metatarsus valgus HP:0002908 Conjugated hyperbilirubinemia HP:0007598 Bilateral single transverse palmar creases HP:0004991 Rhizomelic arm shortening HP:0000307 Pointed chin	<i>RNU4ATAC</i> NR_023343.1	n.18G>A, p.?, Likely pathogenic n.50G>A, p.?, Likely pathogenic	Roifman syndrome MIM#616651				
A0731004	HP:0000278 Retrognathia HP:0001770 Toe syndactyly HP:0001776 Bilateral talipes equinovarus HP:0000175 Cleft palate HP:0001188 Hand clenching	<i>GABRB3</i> NM_000814.5	c.929T>G, p.(Leu310Arg), Pathogenic	developmental and epileptic encephalopathy 43 MIM#617113				
A0831013	HP:0003198 Myopathy HP:0002878 Respiratory failure HP:0000028 Cryptorchidism	<i>MTM1</i> NM_000252.2	c.-76_-11del, p.?, Pathogenic	Myotubular myopathy MIM#310400				
A0831018	HP:0001876 Pancytopenia HP:0003281 Increased serum ferritin HP:0001945 Fever HP:0001928 Abnormality of coagulation HP:0011343 Moderate global developmental delay	<i>PNP</i> NM_000270.3	c.97T>C, p.(Ser33Pro), Likely pathogenic	immunodeficiency due to purine nucleoside phosphorylase deficiency MIM#613179			Informed BMT	
A0831021	HP:0004900 Severe lactic acidosis HP:0011398 Central hypotonia	<i>GTPBP3</i> NM_032620.4	c.521G>C, p.(Arg174Pro), Likely pathogenic	Combined Oxidative Phosphorylation Deficiency 23 MIM#608536		Lumbar puncture not required		Yes

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, <i>further detail regarding partial diagnosis*</i>)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A1031002	HP:0002376 Developmental regression HP:0001272 Cerebellar atrophy HP:0002061 Lower limb spasticity HP:0000750 Delayed speech and language development	GLB1 NM_000404.3	c.733+6T>C, p.?, Pathogenic	GM1-gangliosidosis MONDO:0018149	Determined access to a trial			
A1431031	HP:0002151 Increased serum lactate HP:0001942 Metabolic acidosis HP:0002033 Poor suck	ACAD9 NM_014049.4	c.1636G>A, p.(Val546Met), Pathogenic	Mitochondrial complex I deficiency, nuclear type 20 MIM#611126	Mitochondrial enzymes started	Avoided liver and muscle biopsy		
			c.1376_1381delins CCT, p.(Lys459_Ser461d elinsThrCys), Likely pathogenic					
A2131008	HP:0001873 Thrombocytopenia HP:0001928 Abnormality of coagulation HP:0001903 Anemia HP:0001643 Patent ductus arteriosus HP:0001644 Dilated cardiomyopathy HP:0000337 Broad forehead	TBX19 NM_005149.2	c.666-2A>T, p.?, Likely pathogenic	Adrenocorticotrophic hormone deficiency MIM#201400	Commenced hydrocortisone			
A3231005	HP:0002202 Pleural effusion HP:0001922 Vacuolated lymphocytes HP:0002098 Respiratory distress HP:0000969 Edema HP:0000316 Hypertelorism	GLB1 NM_000404.3	c.130G>T, p.(Asp44Tyr), Likely pathogenic	GM1-gangliosidosis, type I MIM#230500				Yes

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, further detail regarding partial diagnosis*)	Changes in medication	Improved process of care	Surgical procedures	Palliation
A3331002	HP:0011398 Central hypotonia HP:0001250 Seizures HP:0012650 Perisylvian polymicrogyria HP:0030001 Lagophthalmos HP:0011648 Patent ductus arteriosus after birth at term	<i>HSD17B4</i> NM_000414.3	c.1132G>A, p.(Gly378Arg), Likely pathogenic	D-bifunctional protein deficiency MIM#261515				Yes
A0131089	HP:0200134 Epileptic encephalopathy	<i>GABRG2</i> NM_198903.2	c.373C>T, p.(Arg125Cys), Pathogenic	febrile seizures, familial, 8 MIM#607681				
A1131048	HP:0001250 Seizures HP:0006846 Acute encephalopathy HP:0004305 Involuntary movements HP:0001266 Choreoathetosis HP:0000639 Nystagmus HP:0410263 Brain imaging abnormality	<i>NUP214</i> NM_005085.3	c.112C>T, p.(Arg38Cys), Pathogenic c.929T>C, p.(Ile310Thr), Likely pathogenic	Susceptibility to infection-induced acute encephalopathy MIM#618426				
A0131084	HP:0011343 Moderate global developmental delay HP:0011398 Central hypotonia HP:0002509 Limb hypertonia HP:0200134 Epileptic encephalopathy HP:0012450 Chronic constipation	<i>MECP2</i> NC_000023.11	g.154031853_1540 31868insSVA*, Likely pathogenic	Intellectual developmental disorder, X-linked, syndromic 13 MIM#300055				

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#, <i>further detail regarding partial diagnosis*</i>)	Changes in medication	Improved process of care	Surgical procedures	Palliation
Partial diagnoses								
A0131108	HP:0040168 Focal seizures, afebril	<i>FRMD7</i> NM_194277.2	c.781C>T, p.(Arg261*), Pathogenic	congenital nystagmus 1 MIM#310700 <i>Did not explain persistently raised lactate and cardiomyopathy.</i>				
A0131105	HP:0002151 Increased serum lactate HP:0001714 Ventricular hypertrophy HP:0001508 Failure to thrive HP:0001254 Lethargy HP:0011968 Feeding difficulties HP:0008504 Moderate sensorineural hearing impairment	<i>POLR1A</i> NM_015425.5	c.190delT, p.(Cys64Alafs*42), Likely pathogenic	Acrofacial dysostosis,Cincinnati type MIM#616462 <i>Did not explain seizures.</i>				

* further detail regarding partial diagnoses included in italics for partial diagnoses only

^ dual diagnosis. Refer to Supplementary Table 1

Supplementary Table 3: Diagnoses missed by WGS analysis, including presenting features, molecular diagnosis and additional tests leading to diagnosis.

Study ID	Phenotype (HPO terms)	Gene name Transcript number	Variant(s)	Diagnosis (condition, OMIM#)	Additional tests leading to diagnosis
A1131016	HP:0011398 Central hypotonia HP:0002104 Apnea HP:0009916 Anisocoria HP:0001250 Seizures	<i>PHOX2B</i>	PolyA tract expansion, Pathogenic	Central hypoventilation syndrome, congenital, 1 MIM#209880	PolyA tract expansion testing due to high level of clinical suspicion
A3031009	HP:0001319 Neonatal hypotonia HP:0001290 Generalized hypotonia HP:0001315 Reduced tendon reflexes HP:0000278 Retrognathia HP:0001776 Bilateral talipes equinovarus HP:0006380 Knee flexion contracture HP:0003273 Hip contracture HP:0002374 Diminished movement HP:0030276 Small scrotum HP:0008689 Bilateral cryptorchidism HP:0002033 Poor suck HP:0003236 Elevated serum creatine kinase HP:0002151 Increased serum lactate	UPD15	UPD15, Pathogenic	Prader-Willi syndrome MIM#176270	SNP-based chromosomal microarray initiated prior to ultra-rapid WGS. Result available after ultra-rapid WGS
A0331057^	HP:0001263 Global developmental delay HP:0002376 Developmental regression HP:0001250 Seizures HP:0001252 Muscular hypotonia HP:0001298 Encephalopathy	<i>KCNT1</i> NM_020822.2	c.1420C>T, p.Arg474Cys, Pathogenic, Mosaicism level 16%	Epileptic encephalopathy, early infantile 14 MIM#614959	Epilepsy gene panel initiated prior to ultra-rapid WGS. Result available after ultra- rapid WGS
A0131125	HP:0011002 Osteopetrosis HP:0004979 Metaphyseal sclerosis HP:0003025 Metaphyseal irregularity HP:0000256 Macrocephaly HP:0410242 Abnormal IgG level HP:0100327 Cow milk allergy HP:0000964 Eczema HP:0001051 Seborrheic dermatitis HP:0100658 Cellulitis HP:0002090 Pneumonia HP:0001507 Growth abnormality HP:0001744 Splenomegaly	<i>IKBKG</i> NM_00109985 7.3	c.1167dup, p.(Glu390Argfs*5), Pathogenic, Mosaicism level not determined	Anhidrotic (hydropohidrotic) ectodermal dysplasia with immune deficiency (EDA-ID) MIM#300291	Sanger sequencing initiated due to high level of clinical suspicion
A3031015	HP:0001355 Megalencephaly HP:0002126 Polymicrogyria HP:0006101 Finger syndactyly HP:0001770 Toe syndactyly HP:0000028 Cryptorchidism	<i>PIK3CA</i> NM_006218.2	c.1132T>C, p.(Cys378Arg), Pathogenic, Mosaicism level in fibroblasts 21%	Megalencephaly- capillary malformation- polymicrogyria syndrome MIM#602501	Whole genome sequencing of fibroblast sample initiated due to high level of clinical suspicion

^ dual diagnosis. Refer to Supplementary Table 1

Supplementary Table 4: Proteomics data for A1131048 and controls, including log2-transformed protein abundance intensities for all quantified cellular proteins in patient and control fibroblasts. Data was derived from a two-sided Student's T-test. No adjustments were made for multiple comparisons.

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
NUP58	Q9BVL2:Q9	5.51E-09	2.07E-09	-0.124824		1.20438	-2.28392		15.7476	15.6448	15.7457	15.8009	15.9433	15.7599	15.7782	15.9054	8	8	8	8	8	8	8	8
NUP54	Q723B4:Q2	4.57E-12	2.83E-12	-0.0125263		0.102512	-0.27882		15.5611	15.5755	15.5711	15.6261	15.6588	15.6416	15.5699	15.5924	15	13	14	15	13	12	14	14
NUP188	Q5SRE5	3.03E-19	1.59E-18	-0.00868797		0.038868	-0.11211		15.3671	15.3627	15.3385	15.5163	15.4087	15.1905	15.2781	15.4303	27	26	26	25	15	19	21	23
NUP93	Q8N1F7	3.39E-10	1.49E-10	0.0850255		0.597883	1.26609		15.5259	15.542	15.5544	15.6333	15.4067	15.3576	15.3843	15.4967	35	36	35	32	28	34	30	34
NUP205	Q92621	4.22E-11	2.17E-11	0.166752	+	1.34154	2.51576		16.3578	16.3531	16.3672	16.3496	16.2188	16.0664	16.1074	16.2208	47	46	46	47	39	43	40	44
NUP35	Q8NFH5:Q1	5.31E-07	1.60E-07	0.19403		1.23193	2.33022		16.347	16.4485	16.4104	16.3687	16.322	16.0852	16.0716	16.1922	6	6	6	6	4	6	6	6
NUP155	Q75694	1.61E-13	1.45E-13	0.256724	+	2.6603	5.11624		16.3784	16.3604	16.3636	16.2359	16.0353	16.0806	16.0477	16.1543	35	35	32	28	28	32	32	28
NUP62	P37198	2.70E-16	5.43E-16	-0.310585	+	1.35692	-2.542		16.2034	16.0257	16.3947	16.6809	16.3146	16.4042	16.6542	16.5388	9	9	10	9	10	10	10	10
RAE1	P78406	5.77E-11	2.90E-11	0.1954	+	1.33841	2.51043		16.8659	16.9189	16.8585	16.8241	16.4772	16.7396	16.6812	16.7063	9	9	9	9	8	9	9	9
NUP98	P52948:P9	1.20E-16	2.79E-16	0.207187	+	1.9247	3.56236		16.0521	16.0124	16.0343	15.9891	15.8293	15.7741	15.7429	15.7934	40	41	40	41	35	38	40	39
NDC1	Q9BTX1:Q9	4.41E-05	1.09E-05	-0.0599758		0.144217	-0.37943		14.3016	14.7102	14.4791	14.7342	14.6628	14.4084	14.2413	14.738	5	4	5	6	2	4	4	5
AAAS	Q9NRG9	0.000637	0.000135	0.0806091		0.531464	1.14942		15.9397	15.9781	15.911	15.9131	15.9817	15.684	15.9133	15.8196	9	8	7	7	6	7	6	7
NUP214	P35658:P3	9.52E-12	5.56E-12	-1.2596	+	9.74081	-84.7607		14.4143	14.4444	14.3994	15.6898	15.6837	15.6776	15.6474	15.6963	26	23	23	34	30	32	33	30
NUP88	Q99567	2.13E-14	2.45E-14	-0.970154	+	0.68082	-20.5849		15.1842	15.2048	15.2056	16.2373	16.236	16.0462	16.174	16.1482	15	16	16	17	16	16	16	17
NUP42	O15504:O1	0.012725	0.002156	-0.45933		0.340124	-0.80579		12.2746	13.4058	13.6785	12.7003	14.3484	NaN	14.0252	13.2419	1	1	1	1	2	NaN	1	1
GLE1	Q53G57:Q5	8.27E-06	2.19E-06	0.00680269		0.023267	0.068209		14.2959	14.3165	14.1088	14.3166	14.4205	14.1222	14.0571	14.2518	6	4	6	5	5	4	3	5
RANBP2	P49792	1.12E-21	1.30E-20	0.179077	+	2.92836	5.77335		16.0739	16.1095	16.0686	15.9891	15.9064	15.8657	15.8735	15.89	81	84	80	79	61	73	72	69
NUP50	Q9UKX7:Q1	1.22E-15	2.04E-15	-0.216297		0.627896	-1.31808		15.825	15.9149	15.8773	16.3573	16.0788	15.7546	15.8896	16.3632	9	10	10	9	8	8	9	10
NUP153	P49790	1.17E-17	3.63E-17	0.127825		0.809049	1.62531		15.3985	15.3545	15.4318	15.3737	15.1021	15.1988	15.243	15.418	24	26	25	27	20	25	26	25
TPR	P12270	1.90E-14	6.00E-14	0.234881	+	3.05096	6.09343		16.1989	16.1857	16.1819	16.0428	15.9506	15.889	15.8978	15.9896	80	79	80	75	61	72	68	75
AHCTF1	Q8WYPS:Q1	5.20E-10	5.71E-11	0.0510897		0.190062	0.483973		14.4502	14.4205	14.4924	14.5142	14.4722	14.092	14.4769	14.4612	18	20	20	18	17	14	18	15
NUP43	Q8NFH3	1.21E-07	3.89E-08	0.0659728		0.410935	0.930103		17.1149	17.203	17.1218	17.1315	17.1444	16.9065	17.0296	17.1911	4	4	4	4	4	4	4	4
SEC13	P55735	2.16E-05	5.50E-06	0.104283		0.19354	0.49168		16.2246	16.4443	16.3627	16.4851	16.8112	16.8119	16.3461	17.9435	10	11	11	12	8	11	11	7
NUP133	Q8WUJ0	4.09E-15	5.82E-15	0.178938		2.17645	0.45858		15.881	15.9577	15.9309	15.8491	15.6656	15.7661	15.7233	15.7172	33	32	32	31	25	28	31	26
NUP107	P57740	1.42E-13	1.30E-13	0.18031	+	1.77793	3.28704		15.8189	15.8774	15.8872	15.8193	15.7006	15.6647	15.6348	15.585	22	23	22	21	21	22	19	19
NUP37	Q8NFH4	5.95E-06	1.60E-06	0.160095		0.836098	1.67053		16.4076	16.4869	16.4077	16.4722	16.1322	16.2132	16.3099	16.1132	9	9	9	9	6	8	7	8
NUP85	Q8NFH7	5.24E-15	7.19E-15	0.373032		1.89186	3.49993		15.9597	16.04	15.9635	15.8037	15.3904	15.8002	15.5689	15.6819	18	18	18	16	13	13	13	14
NUP160	Q12769	5.66E-10	2.42E-10	0.456283		2.77042	8.26564		16.2546	16.247	16.2249	15.8997	15.8664	15.7544	15.7116	15.7116	25	25	25	23	21	23	20	21
UCHL1	P09836	6.23E-18	1.16E-17	-3.84781	+	7.00725	-29.5591		15.8935	15.7365	16.1379	19.6308	19.9776	19.7153	19.6772	19.9114	13	13	11	15	15	16	16	15
SNUP2	Q8LUM56	2.85E-10	1.27E-10	-3.84589	+	3.97142	-8.97697		12.4583	12.0717	12.916	15.4013	17.1476	16.0438	16.4237	16.6231	2	2	4	12	15	14	15	15
CALM1,CALM2,CALM3	P0DP23:P0	3.69E-13	3.00E-13	-3.69484	+	2.04481	-3.79507		15.2858	14.5512	15.6936	16.1831	19.4839	18.8802	20.2604	19.551	6	6	6	6	7	8	10	9
CALM3	P27482	0.000316	6.98E-05	-3.40582	+	1.97326	-3.65661		16.181	15.1905	16.5549	16.8783	19.6815	19.5519	20.7987	19.9599	3	2	3	4	3	3	3	4
CDKN2A	P42771:P4	0.00216	0.00042	-3.28865	+	1.87541	-3.74789		11.6133	NaN	11.9908	14.9064	13.7993	14.3402	15.6184	16.7892	1	NaN	1	3	3	3	3	4
LAMTOR5	Q43504	0.000518	0.000111	-3.11816	+	2.8617	-4.28556		14.5778	14.1695	14.7374	15.491	18.715	17.8521	18.4074	18.1433	1	1	2	2	2	3	3	3
TM5B4X	P62328	4.08E-05	1.01E-05	-3.05248	+	2.6809	-5.1648		14.3197	15.0827	15.4654	16.6089	17.7715	18.1794	18.9977	18.4846	6	5	5	7	7	7	7	7
LIMC1	Q9UPD0:Q1	6.34E-08	2.09E-08	-3.01954	+	2.50591	-4.76214		12.3382	12.5149	12.6345	14.9025	14.9556	17.3815	15.3517	14.9858	1	1	3	12	7	24	11	8
JPT1	Q9UK76:Q1	5.53E-20	3.76E-19	-2.72566	+	3.59998	-7.70099		13.7526	13.4662	14.0233	15.5522	16.7588	16.3506	16.7456	16.958	3	2	3	4	4	4	3	4
ABRACL	Q8P1F3	0.000315	6.98E-05	-2.65404	+	2.40856	-4.5472		18.2062	16.0689	17.6019	19.4207	20.0185	19.2614	20.4605	20.5707	2	1	2	2	2	2	2	2
DKK1	Q94907	5.42E-08	1.80E-08	-2.61908	+	2.82368	-5.11001		12.466	12.4601	12.6136	15.0882	14.3966	14.4833	16.367	15.3265	1	2	2	3	4	4	4	4
RDH10	Q8IZV5	0.000171	3.93E-05	-2.56402	+	0.901574	-1.8382		12.216	NaN	12.3242	15.6297	11.9292	16.8178	15.5592	14.235	2	NaN	1	7	2	8	8	5
RPLP2	P05387	6.15E-08	2.03E-08	-2.47632	+	2.2814	-4.27554		17.6273	17.0501	18.3029	18.766	20.4636	19.8388	20.721	20.8927	2	2	7	8	9	10	10	10
RPLP1	P05386	0.001506	0.000303	-2.44488	+	2.20202	-4.11086		17.6763	17.6891	18.6607	19.3424	20.0206	20.6954	22.8422	21.8422	2	2	2	2	2	2	3	3
GLRX	P35754	0.000394	8.61E-05	-2.41534	+	2.94715	-5.82157		14.3109	13.5345	14.3927	17.2101	16.3528	15.5561	16.6121	16.7422	1	1	1	1	1	1	1	1
MCDLN1	Q9GZU1	0.001363	0.000276	-2.41011	+	2.59385	-4.96178		12.9633	13.3076	11.2446	15.2291	14.8329	14.7416	15.0792	2	2	2	4	3	2	6	4	
MTPN	P58546	7.91E-24	1.88E-22	-2.39589	+	1.79301	-3.31491		15.9907	15.1749	15.8215	16.0746	19.018	17.9583	18.5568	18.6838	4	5	5	5	4	5	6	6
SULF1	Q8IWU6	1.35E-09	5.48E-10	-2.38118	+	1.13849	-2.17364		15.4909	12.1796	11.8928	15.2558	15.4572	15.8903	17.2462	13.9953	1	3	1	9	8	10	11	5
HACD1	BOY181	0.00012	2.81E-05	-2.32928	+	2.4936	-4.7346		11.5506	13.3308	13.2479	14.7932	15.0402	14.5224	15.6279	15.2116	2	2	2	1	2	1	2	1
IGF2RBP3	O00425	6.54E-10	2.77E-10	-2.32898	+	4.49233	-11.0798		14.4041	14.6759	14.5756	17.189	16.9784	16.3102	16.8752	17.0514	10	10	10	23	21	18	19	21
ITGB3	P05106	8.68E-17	2.08E-16	-2.2171	+	3.36039	-6.96214		13.0604	12.67	12.9595	15.9144	14.5026	15.1546	15.0877	14.9092	3	4	3	14	4	11	11	10
TUBA1C	Q9BOE3	6.14E-14	6.21E-14	-2.17458																				

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
DIPYSL2	Q14531	0.003992	0.000725	-1.56819	+	2.54233	-9.02918		15.3624	15.0092	15.1261	16.8822	NaN	16.586	NaN	NaN	1	1	2	3	NaN	1	NaN	NaN
C6orf120	Q724R8	6.38E-05	1.55E-05	-1.56073	+	2.36953	-4.66275		15.2565	14.8065	15.3329	15.7599	17.1259	16.6383	16.9627	16.9767	1	1	2	1	2	2	2	2
CD99	P14209:P1	1.90E-05	4.85E-06	-1.54725	+	1.82602	-3.37622		14.3499	13.9262	14.6886	14.7744	15.5828	16.5639	16.02	16.4031	2	1	2	1	1	2	2	3
SERPINE1	P05121	1.70E-07	5.37E-08	-1.52261	+	2.8767	-5.64229		15.8402	15.9312	15.8011	18.049	17.0871	16.8671	17.4913	17.4228	16	15	15	17	13	16	17	17
SELENO5	Q9B0E4	0.000192	4.36E-05	-1.52206	+	2.411	-4.55251		12.0968	12.5785	12.9269	14.3605	13.8727	13.4576	14.6895	13.9004	2	2	2	4	4	3	4	3
CPNE1	Q99829	4.82E-09	1.82E-09	-1.51507	+	2.9517	-5.83329		17.6936	17.7128	17.6446	19.5033	19.1782	19.5548	19.286	18.4715	15	15	14	14	15	14	14	14
RND3	P61587	1.68E-08	5.95E-09	-1.50359	+	3.17509	-6.43105		15.2413	15.3146	15.2755	16.9873	16.8871	16.1154	17.1206	16.7932	8	7	7	9	9	8	9	9
APBB1P	Q725R6	1.23E-13	1.14E-13	-1.50278	+	2.4433	-4.62319		14.2166	14.0651	14.2425	15.3526	16.9944	15.4367	15.2735	15.7305	8	8	7	9	13	9	10	11
RANGRF	Q9HD47:Q	0.000686	0.000145	-1.49821	+	1.0083	-1.95696		13.5498	11.6269	13.073	13.204	13.5247	13.7326	15.162	15.6171	1	1	1	1	1	1	1	1
SLIT1	Q75093:Q	0.00341	0.000627	-1.49384	+	3.9892	-9.04241		15.7855	16.0307	15.8479	17.1554	17.0427	17.5529	17.5557	17.6026	2	2	2	2	2	2	2	2
KRT18	P05783	1.71E-08	6.03E-09	-1.48867	+	1.70101	-3.14636		14.3671	14.1848	14.2653	16.1352	14.3949	16.408	16.0262	15.8409	5	5	5	12	4	12	13	11
SCIN	Q9Y6U3	1.06E-11	6.15E-12	-1.48233	+	1.51658	-2.8179		15.4156	15.4349	15.5513	16.6229	16.8391	15.793	18.1798	17.3131	27	28	29	30	31	31	33	32
S100A9	P06702	0.004766	0.000855	-1.47521	+	1.05622	-2.03659		12.5221	12.3423	14.5562	14.871	13.8605	13.8504	14.592	15.9031	2	1	5	4	3	2	4	6
HSPB6	O14558	4.96E-08	1.66E-08	-1.46319	+	1.82911	-3.38199		17.4768	16.8639	17.4248	17.7766	18.7321	18.6358	18.7389	19.7085	8	7	8	8	8	8	8	8
SMURF2	Q9HAU4	1.62E-18	6.61E-18	-1.45354	+	1.86704	-3.45307		13.4102	13.4088	13.2665	15.2459	15.5999	13.764	14.5601	14.9069	10	11	22	18	7	7	13	18
PEA15	Q15121:Q	2.06E-11	1.12E-11	-1.45232	+	1.79617	-3.2076		17.2414	16.6399	17.9974	18.244	18.293	19.0991	19.5275	19.5275	6	6	7	8	7	7	7	8
TMEM208	Q9BTK3	0.004024	0.00073	-1.45073	+	2.34528	-14.8309		12.664	NaN	12.8595	NaN	NaN	2.1457	14.2093	NaN	2	NaN	1	NaN	NaN	2	1	NaN
DCBLD2	Q96PD2:Q	2.96E-15	4.33E-15	-1.44679	+	1.74712	-3.23042		15.0663	14.8327	15.0169	16.957	16.4422	15.1311	16.6966	16.8668	6	6	5	8	5	5	8	7
FIL	P02792	1.00E-11	5.83E-12	-1.44311	+	1.3072	-2.45738		17.3512	16.996	17.6231	19.6659	18.0415	17.5112	19.0009	19.6131	9	9	9	9	9	9	9	9
UBE2S	Q16763	2.67E-07	8.30E-08	-1.44204	+	2.73197	-5.28648		14.2928	14.1394	14.5119	15.9204	15.8345	14.9997	15.8963	16.133	1	2	2	3	2	1	3	3
NM16	P06606:P6	1.60E-05	4.32E-05	-1.43142	+	1.83475	-3.39252		19.9176	19.5847	20.3924	20.3345	21.5797	21.2771	21.9065	21.8838	5	6	6	6	6	6	6	6
SH3RF1	Q725J0	0.002267	0.000439	-1.41641	+	2.38888	-4.50451		14.1355	14.4517	14.1274	15.5298	16.3524	14.9492	15.5885	15.8531	2	3	2	4	4	3	3	3
SDC1	P18827	8.63E-08	2.80E-08	-1.41345	+	3.21166	-6.53323		13.7175	13.5698	13.6993	15.1504	15.2976	14.4853	15.0331	15.4026	1	1	1	1	2	1	1	2
EPHB2	P29333:P2	1.17E-11	6.68E-12	-1.40723	+	1.1246	-2.24166		14.5866	14.5806	14.282	17.4481	NaN	15.1577	15.3961	15.5594	4	5	4	9	NaN	6	3	6
HMG2	P52926	0.003287	0.000607	-1.40219	+	1.98808	-3.68428		14.6533	14.801	14.4897	16.2368	15.5497	15.3086	16.2706	16.8852	3	3	2	4	2	4	3	3
CNCD1	P24385	2.03E-06	5.69E-07	-1.40073	+	1.78281	-3.29605		15.5394	15.5007	15.4444	17.7184	16.9952	15.7975	16.7393	17.2274	7	7	7	11	7	6	7	10
BID	P55957:P5	5.61E-07	1.68E-07	-1.39936	+	2.05616	-3.81744		15.6448	15.1724	15.9754	16.7142	17.3486	16.1742	17.27	17.4774	4	4	4	4	4	4	4	4
SGTB	Q96EQ0	1.72E-05	4.42E-06	-1.39387	+	2.89662	-5.69257		15.0491	14.4795	15.4913	16.649	16.5093	16.1482	16.2554	16.4407	7	5	8	9	7	9	7	8
CDH2	P19022:P1	2.66E-13	2.26E-13	-1.39128	+	2.64929	-5.09044		14.3592	14.3186	14.3591	15.536	15.0961	16.2233	16.125	15.7042	7	6	6	9	8	10	9	8
ARL8A	Q96B8M9	0.001589	0.000319	-1.39078	+	3.28217	-6.73386		15.0746	15.4422	15.3358	16.3825	17.1509	16.6789	16.7797	16.3829	2	2	3	2	2	1	3	2
HPICAL1	P37235	8.72E-11	4.22E-11	-1.38829	+	2.82262	-5.5074		16.3694	16.0158	16.5705	17.2382	18.0852	17.4057	18.0189	17.7863	11	12	14	12	15	15	15	15
RACGAP1	Q9H0H5	4.43E-11	2.27E-11	-1.37794	+	2.08614	-3.87683		13.9933	13.846	13.9362	15.535	15.1648	14.3362	15.8423	15.6373	8	7	9	10	9	7	10	10
PRKAG2	Q9UGJ0:Q	0.000179	4.09E-05	-1.34269	+	1.42102	-3.05265		11.6809	NaN	12.3158	13.8042	13.1064	13.7438	12.7097	NaN	1	NaN	1	1	1	1	1	NaN
NFUI	Q9UM50:Q	1.58E-08	5.61E-09	-1.34102	+	2.41641	-4.5643		14.8553	14.4544	15.1886	15.8031	16.3067	15.6785	16.414	16.6665	6	6	6	6	6	6	6	6
LACC1	Q8IV20	1.23E-06	3.53E-07	-1.33109	+	2.44184	-4.61999		13.685	12.8588	13.516	14.4581	14.9764	15.1337	14.6291	14.2245	3	2	1	3	3	4	2	2
ERH	P84090	3.75E-08	1.27E-08	-1.33062	+	1.69971	-3.14402		16.9282	16.4512	17.1321	17.2338	18.2406	17.9022	18.4248	19.0376	6	6	6	6	6	6	6	6
YAP1	P46937:P4	9.62E-14	9.23E-14	-1.32467	+	2.39393	-4.51543		15.0784	14.4772	15.5906	16.4068	16.4068	16.4643	15.8637	16.5236	11	9	13	12	14	13	14	13
COX6B1	P14854	0.001226	0.00025	-1.31356	+	2.21731	-4.1423		16.2314	15.9158	16.4308	16.6833	17.4736	17.5725	17.9337	17.868	1	1	1	1	3	3	4	2
NDFP2	Q9NV92	3.55E-06	9.76E-07	-1.3035	+	2.4467	-4.63066		14.5365	14.4745	14.2048	16.1678	16.2677	14.996	15.6795	16.0368	2	2	2	2	1	1	2	3
COX5A	P20674	3.78E-06	1.04E-06	-1.30156	+	1.49481	-2.77986		16.6743	16.0624	16.7317	16.6433	17.7839	17.6527	18.342	18.5333	6	6	6	6	6	6	6	6
CNCD0B1	Q95273:Q	0.002809	0.000528	-1.29037	+	2.40353	-4.53627		14.0542	13.9805	14.4386	15.7642	14.6599	15.5671	15.7786	15.4348	1	2	1	3	2	3	2	2
PLAT	P00750:P0	2.83E-07	8.77E-08	-1.28522	+	1.29593	-2.5609		12.8235	12.5849	12.8485	14.3173	14.5178	12.7861	NaN	14.5289	1	1	2	2	1	1	NaN	2
ITGA2	P17301	1.07E-11	1.01E-11	-1.2837	+	1.12702	-2.1545		16.4967	16.5376	16.5733	19.2354	16.8036	16.919	18.1639	17.9759	25	27	25	29	23	26	27	27
CLEC2B	Q92478	4.11E-09	1.57E-09	-1.28289	+	1.30639	-2.456		14.7404	14.6886	14.6083	17.4046	16.0324	15.2934	15.8324	15.2472	2	2	2	2	2	1	2	2
PACSIN3	Q9UKS6	4.40E-19	2.19E-18	-1.27901	+	1.93255	-3.57737		14.0059	14.2563	13.9418	16.0943	15.7352	14.9816	14.6129	15.3112	5	6	5	7	5	5	5	6
HNM1	P50135	0.000118	2.77E-05	-1.27345	+	2.92406	-6.61115		13.4279	13.6983	13.5182	NaN	14.5092	15.0431	15.1213	14.6127	1	2	2	NaN	1	2	1	1
TXNRD1	Q16881:Q	1.10E-15	1.87E-15	-1.25919	+	2.64611	-5.083		17.5558	17.6094	17.5416	19.5074	18.5034	18.6821	18.9213	18.5264	21	20	21	26	25	25	24	26
PAMR1	Q6UXH9:Q	1.14E-05	2.99E-06	-1.25792	+	1.64656	-3.04815		14.9468	14.7249	14.6078	16.7047	16.4743	15.0809	16.2868	15.542	3	3	2	7	7	4	6	4
RRM2	P31350:P3	1.25E-18	5.39E-18	-1.24996	+	1.35163	-2.53297		13.8954	13.7115	13.8956	15.379	15.1704	13.6636	15.424	15.7837	6	6	5	8	8	3	8	9
ANXA3	P12429	9.19E-05	2.19E-05	-1.24478	+	1.67493	-3.09919		14.4038	14.2583	14.244	14.6054	15.9661	15.219	16.3382	15.6052	6	6	6	6	9	7	9	10
HGFAC	Q04756	5.52E-06	7.02E-07	-1.23875	+	2.70096	-5.21235		14.551	14.531	14.6													

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
DYNRB1	Q9NP97	2.94E-06	8.14E-07	-1.13536	+	2.47051	-4.68326		18.0726	17.9916	18.2814	18.8297	19.5132	18.8335	19.4136	19.6628	5	5	5	5	5	5	5	5
TYML	P04818	9.50E-13	6.92E-13	-1.13138	+	1.58906	-2.94559		15.3841	15.2874	15.3118	16.8729	16.4048	15.3962	16.5841	17.0379	8	10	10	11	10	7	11	11
SERPINH2	Q9P6P3;Q	0.001472	0.000297	-1.11802	+	2.33038	-4.37899		14.0808	13.6742	14.6372	15.6205	15.1767	15.0551	14.9966	15.3951	3	1	5	7	5	3	6	6
DAGLB	Q8NCG7;Q	3.69E-15	5.35E-15	-1.11681	+	3.65021	-7.86388		14.1215	14.3001	14.1033	15.2284	15.2645	14.9713	15.5275	15.4222	5	5	3	5	6	6	7	5
AAMD	Q9H7C9	1.22E-13	1.13E-13	-1.11386	+	2.90694	-5.71874		15.3611	15.2787	15.5693	16.9439	16.6257	16.2233	16.2057	16.5857	7	6	6	7	8	8	7	7
MDP1	Q86V88;Q	0.000616	0.000131	-1.11254	+	3.54899	-7.53856		15.0444	15.209	15.2951	16.0744	16.212	16.1125	16.491	16.5871	1	1	1	1	1	1	1	1
GNL12	Q9UBI6	2.15E-14	2.47E-14	-1.11115	+	1.98252	-3.67351		16.28	15.9967	16.3701	17.1441	16.9957	17.064	17.2458	18.184	5	5	6	6	6	6	6	6
MKI67	P46013	1.50E-07	4.75E-08	-1.11077	+	1.76258	-3.25878		13.6996	13.7012	14.1813	15.0353	14.8793	14.1201	15.2924	15.5303	8	8	6	16	11	6	15	18
DCD	P81605;P8	8.09E-05	1.94E-05	-1.10978	+	1.30099	-2.44685		14.2793	14.0102	14.8256	16.2159	15.5455	14.7164	16.1128	14.8168	2	2	3	3	3	2	3	2
FAT1	Q14517	0.00271	0.000513	-1.10937	+	1.69694	-3.13898		13.7483	13.9893	13.7683	14.0189	15.1412	14.7656	15.5197	15.2778	10	10	10	10	20	21	34	27
FGF2	P09038-2	4.64E-06	1.26E-06	-1.10729	+	3.38432	-7.03319		17.3979	17.3813	17.3382	18.2063	18.2896	18.6795	18.8254	18.398	7	6	6	7	7	8	8	8
ABC88	Q9NUT2;Q	0.00227	0.000439	-1.10453	+	0.991687	-2.11484		0.991687	13.8623	13.7657	13.9427	15.195	15.694	NaN	NaN	2	2	1	2	1	3	NaN	NaN
CDKN1A	P38936	0.00014	3.26E-05	-1.10415	+	1.93786	-3.58752		15.7931	15.9027	15.9142	17.3152	17.1655	16.0727	17.2661	17.0514	5	4	3	4	4	4	5	5
FANCI	Q9NV1	0.000139	3.24E-05	-1.10162	+	2.03016	-3.76631		13.3641	13.6796	13.5938	14.6151	14.1866	15.3203	14.8946	14.2208	1	1	1	2	1	2	2	2
NDOR1	Q9UHB4;Q	0.000178	8.47E-08	-1.09756	+	1.2654	-2.38662		14.5587	14.2279	14.439	14.7456	16.3788	14.8688	16.2373	15.3	4	5	3	3	3	2	2	2
CIAO28	Q9Y3D0	0.00059	0.000126	-1.09658	+	1.22961	-2.32632		15.4007	14.5949	15.504	15.1908	16.5507	15.9344	16.6755	16.9651	4	4	3	4	4	3	4	4
AGFP1	P25311	0.00324	0.000599	-1.09112	+	2.1842	-4.07439		14.1748	14.2366	14.2906	16.0541	15.1717	14.844	15.2102	15.3456	1	2	3	4	2	3	3	3
PRMT9	Q6P3P2	0.013004	0.002041	-1.09024	+	0.540316	-1.2877		14.0959	13.7444	NaN	NaN	13.8588	16.1008	15.0715	NaN	3	4	NaN	NaN	2	2	3	3
SELENOIM	Q8WWX9	0.000204	4.63E-05	-1.09014	+	1.48442	-2.76176		15.6546	15.6623	15.2954	16.1813	16.067	16.4368	16.7804	17.6725	2	3	3	3	2	2	4	4
STC2	Q70601	0.003069	0.00057	-1.08856	+	1.12586	-2.15256		12.9837	13.1906	13.3135	13.6602	14.1166	13.3894	15.5146	14.5902	4	3	3	4	4	4	3	4
S100A4	P26447	9.90E-05	2.34E-05	-1.08566	+	0.936438	-1.83761		20.5554	19.979	20.8277	20.384	22.7453	20.8106	21.8751	21.8833	5	6	6	5	6	7	5	7
SLCSA7	Q96783	5.52E-07	1.65E-07	-1.08555	+	3.44357	-7.21172		14.8154	15.1075	14.9909	16.2429	16.2944	15.7389	16.0872	15.9205	3	3	2	3	3	3	3	3
ELOC	Q15369	8.46E-12	4.98E-12	-1.085	+	1.76339	-3.26027		17.1526	16.7715	17.3922	17.3149	18.6421	18.2262	18.3456	18.4232	6	6	6	6	6	6	6	6
PF0N5	Q99471	0.000742	0.000156	-1.08056	+	1.39966	-2.61519		15.1955	14.4156	15.9994	16.0422	15.9836	16.1647	16.2378	16.992	4	4	2	4	2	4	3	2
RRN3	Q8NMY6;Q	0.007567	0.001321	-1.07971	+	1.88906	-3.49464		14.0642	14.7264	14.8706	15.7379	16.0515	15.0421	15.9562	15.3794	2	4	3	3	3	3	3	2
CYBSA	P00167;P0	3.58E-07	1.10E-07	-1.07912	+	1.65637	-3.06578		15.8368	15.3264	15.9242	16.1231	17.0797	16.2752	17.3705	17.0263	5	5	4	5	5	5	5	5
KIF23	Q02241;Q	2.30E-09	9.05E-10	-1.07435	+	1.89175	-3.49972		13.9267	13.8559	13.8307	15.1918	14.918	14.0707	15.3559	15.1907	5	8	5	11	7	8	11	10
TNFAIP2	Q03169	0.003647	0.000667	-1.07426	+	0.661619	-1.37604		14.2965	14.2707	14.2699	17.6429	14.5804	15.1975	14.8544	14.4912	1	1	3	3	1	3	1	1
DMD	P11532;P1	0.002307	0.000445	-1.06998	+	1.76211	-4.79126		14.272	13.9425	13.7584	15.2094	NaN	14.9125	NaN	NaN	3	3	3	2	NaN	3	NaN	NaN
S100A10	P60903	1.86E-09	7.40E-10	-1.06666	+	1.65234	-3.05853		18.3572	17.8213	18.5443	18.4626	19.7294	19.5686	19.1504	19.6268	10	9	10	10	10	10	10	11
NCOA4	Q13772;Q	0.000108	2.55E-05	-1.06614	+	2.0214	-3.74915		14.4301	14.7441	14.7251	16.3952	15.459	15.174	15.6169	15.8511	2	4	2	5	2	2	3	3
ATOX1	Q00244	3.08E-08	1.06E-08	-1.06589	+	1.9105	-3.5353		16.4375	15.9585	16.4664	16.5944	17.3956	17.4334	17.4806	17.8629	6	6	7	7	7	7	8	7
NDUFB11	Q9NKL4;Q	0.000174	3.99E-05	-1.06114	+	1.36957	-2.56362		15.3609	14.8094	15.5317	15.2759	16.1388	16.4655	16.948	16.6473	3	3	3	3	3	3	3	3
APOB	P04114	3.61E-11	1.88E-11	-1.05246	+	2.34438	-4.40885		16.3131	16.4393	16.4927	17.9912	17.4314	17.077	17.1097	17.7282	8	9	9	10	9	9	9	10
PLXNA3	P51805	4.23E-06	1.15E-06	-1.05049	+	4.27289	-10.1452		13.7487	13.5879	13.7117	14.6832	14.9591	14.511	14.7915	14.7215	9	9	11	15	9	10	9	14
PITPNC1	Q9UKF7;Q	0.001618	0.000324	-1.04669	+	1.76992	-3.27229		14.3061	14.5472	14.6308	16.3553	15.2064	15.1068	15.7738	15.2648	5	4	4	7	3	4	4	4
TMEM47	Q9BQJ4	7.95E-16	1.40E-15	-1.04635	+	1.80567	-3.33837		14.9168	14.7786	14.8585	15.9728	14.983	16.1236	16.2883	16.1206	3	2	3	3	3	3	3	3
TSC2D2	Q75157;Q	1.25E-06	3.59E-07	-1.04188	+	2.90635	-5.71723		15.4339	15.0976	15.1806	16.1469	16.5243	16.5224	15.8644	16.3382	5	5	6	7	6	7	6	7
PKP4	Q99569;Q	0.000984	0.000203	-1.04053	+	2.67466	-5.15004		13.9992	13.2262	13.6263	14.6739	14.6353	14.6965	14.3465	14.92	4	3	3	6	2	6	4	2
S100A16	Q96FQ6	1.76E-15	2.82E-15	-1.03347	+	1.36188	-2.55047		15.453	15.0317	16.0795	16.3263	16.084	16.2446	16.6063	17.5132	5	5	5	5	5	5	5	5
PTGS1	P23219;P2	5.27E-07	1.58E-07	-1.03145	+	2.93474	-5.78971		15.8136	15.8368	15.8032	16.4637	16.9297	16.7462	16.8218	17.2851	11	13	11	13	15	14	15	15
FUCA1	P04066	2.58E-10	1.16E-10	-1.03139	+	2.31315	-4.34243		15.4906	15.6251	15.6711	16.1232	17.0422	16.3039	16.8613	16.8044	3	3	3	3	3	3	3	3
CLIC3	Q95833	5.49E-08	1.83E-08	-1.02477	+	1.27112	-2.39629		13.7665	13.5377	14.1214	13.8411	15.0804	15.4187	14.4257	15.4242	5	4	5	3	2	5	5	5
ACTB12	Q562R1	0.005422	0.000963	-1.02783	+	1.76872	-3.27008		23.1797	23.7967	23.8903	24.5849	24.6036	24.0058	25.2583	24.7978	3	3	5	5	5	3	6	6
KLHL1	Q9NVRO	0.001718	0.000342	-1.02595	+	2.68639	-5.17779		14.2374	13.9264	14.1545	14.9349	15.3263	14.677	15.3861	15.336	4	4	4	6	4	7	4	4
COBLL1	Q535F7;Q5	5.68E-08	1.89E-08	-1.02426	+	0.907092	-1.78883		12.8029	14.8149	12.9246	15.4045	14.382	14.5549	14.4037	13.9468	1	1	1	5	1	2	4	3
TK1	P04183	1.03E-11	5.94E-12	-1.0149	+	0.978704	-1.90781		13.8726	14.1703	13.9472	15.561	15.2113	13.507	15.0394	15.7393	4	4	4	5	4	2	7	8
OSCP1	Q8WVF1;Q	0.054439	0.008825	-1.01265	+	2.21717	-4.142		13.6122	13.7687	14.0971	14.2942	15.2072	14.8505	15.1488	14.6924	1	2	2	2	1	2	3	3
ATP6V1F	Q16864;Q	1.51E-05	3.90E-06	-1.00531	+	1.37529	-2.5734		15.9024	15.2065	15.749	16.0245	16.1969	16.3718	17.1592	17.3707	4	4	5	5	4	5	5	5
STARD7	Q9NOZ5	8.98E-12	5.26E-12	-1.00189	+	2.22536	-4.1589		14.9545	14.5645	15.1503	16.0445	16.0144	15.2834	15.9825	16.1334	3	3	1	5	2	2	2	4
ARG1	P05089;P0	0.001981	0.000389	-1.00003	+	0.875268	-1.73																	

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
LOXL2	Q9Y4K0	5.68E-14	5.79E-14	-0.949201	+	1.6992	-3.14308		15.918	15.957	15.8735	16.7342	17.06	16.4657	17.6464	16.4207	18	19	18	19	21	20	21	18
DSG1	Q02413	1.34E-10	6.29E-11	-0.946605	+	1.59987	-2.9648		14.6182	14.5152	14.5433	16.0561	15.3627	14.6627	15.6439	15.8024	5	5	5	10	5	5	6	5
IGF2BP1	Q9NZ18	6.89E-10	2.90E-10	-0.945884	+	1.07115	-2.06142		14.2071	14.2639	14.2484	15.1211	14.2039	14.8218	15.5221	16.2596	9	10	11	15	7	12	14	16
POLR21	P36954	1.13E-06	3.25E-07	-0.944758	+	1.57906	-2.92787		15.0626	14.6046	15.5133	15.3114	16.4974	15.9973	16.0152	16.2007	2	1	3	2	3	4	3	3
ATP13A3	Q9H7F0	6.96E-14	6.93E-14	-0.944696	+	1.80638	-3.33968		14.1841	14.1697	14.3767	15.7809	15.3908	14.5139	15.03	15.2253	8	10	9	16	13	10	12	15
STX3	Q13277;Q1	7.82E-05	1.87E-05	-0.938388	+	1.82247	-3.36961		14.1793	14.3164	13.9832	15.6661	15.2345	14.4442	15.2247	14.9206	4	4	2	3	2	3	4	3
CALD1	Q05682-5	0.000168	3.86E-05	-0.935199	+	2.25109	-4.21221		17.3731	17.7182	17.8227	18.2054	18.2213	18.8394	18.8744	18.7256	3	4	4	3	3	4	4	4
FMN2	Q9NZ56	8.54E-18	2.80E-17	-0.934178	+	3.41894	-7.13707		15.0988	15.1291	15.2246	16.3206	16.1412	15.7404	16.0598	16.163	14	18	18	21	16	19	17	19
RAD23A	P54725;P5	4.42E-07	1.34E-07	-0.933817	+	2.00589	-3.71888		16.1522	15.9028	16.5898	16.8401	16.7292	17.3301	17.5054	17.3389	3	4	6	5	6	6	6	6
GEMIN3	Q8WXD5	1.14E-12	8.16E-13	-0.93299	+	3.11517	-6.26631		14.2716	13.9406	14.3451	14.8822	15.3569	15.03	15.0355	15.2892	3	2	3	2	2	3	3	3
APM4P	Q9HDC9	8.67E-09	3.18E-09	-0.931408	+	5.5514	-16.8319		18.0819	18.0641	18.0959	19.0095	19.1395	18.8867	19.0436	18.9808	16	16	16	17	16	16	17	17
HECW2	Q9P2P5	0.002865	0.000538	-0.93056	+	1.90106	-3.51736		14.0897	14.2695	13.9898	14.983	15.0478	14.4502	15.6678	15.0857	3	4	4	7	3	4	6	4
IFNGR1	P15260	0.00038	8.32E-05	-0.928527	+	2.29506	-4.75782		14.0071	13.9416	13.8768	14.9294	15.2121	NaN	14.9123	14.4277	2	2	2	3	2	NaN	3	3
LTBP1	Q14766;Q1	3.27E-07	1.01E-07	-0.928255	+	1.32211	-2.84679		13.3319	13.902	13.4591	15.0425	NaN	14.2689	NaN	14.1664	3	5	3	12	NaN	8	NaN	6
LIMK1	P53667;P5	7.46E-12	4.45E-12	-0.928013	+	1.70836	-3.15971		13.1909	13.7128	13.8076	14.9388	14.6023	14.553	14.6251	13.7731	6	6	7	6	5	8	5	5
SIX3	Q9Y2K2;Q5	0.003989	0.000724	-0.922352	+	2.25881	-7.2053		14.5741	14.8178	14.7732	NaN	15.7566	15.5316	NaN	NaN	1	1	1	NaN	2	1	NaN	NaN
TOM1L2	Q6ZVM7	3.20E-14	3.49E-14	-0.91393	+	2.88353	-5.65948		15.777	15.6432	15.8096	16.525	16.8877	16.2639	16.7375	16.8718	15	15	15	17	15	17	17	17
HSPB7	Q9UBV9	2.19E-10	1.00E-10	-0.912948	+	1.28727	-2.4236		17.8934	17.9032	17.9552	18.9047	18.2805	18.9179	18.2482	19.7998	9	9	9	9	9	9	9	9
FTH1	Q02794	1.42E-14	1.73E-14	-0.9114	+	1.69263	-3.13117		17.065	16.9005	16.3245	18.5326	17.6253	17.4558	18.0537	18.3728	12	12	11	11	11	11	11	12
CLDN11	Q75508	4.87E-06	1.32E-06	-0.908316	+	0.366164	-0.84528		16.2446	16.0955	16.0067	17.9671	18.4434	17.5438	13.9045	17.2609	3	4	5	5	5	5	2	3
CREB3L1	Q06848	0.001164	0.000238	-0.902095	+	2.83117	-5.52858		15.0744	15.1132	14.8841	15.7289	16.2948	15.6789	16.0902	15.8417	5	5	4	5	4	5	7	7
ASB1	Q9Y576	1.59E-06	4.51E-07	-0.901094	+	2.77434	-5.38894		13.0641	13.5801	13.5543	14.8469	14.3925	14.1091	14.2847	14.4896	4	5	4	5	4	4	6	5
SRP1	Q9H653	0.05E-10	3.77E-10	-0.898204	+	2.95587	-5.94801		15.6629	15.7537	15.8121	16.9717	16.7089	16.6669	16.2863	15.5718	12	16	14	19	13	19	15	17
PPCDD2	Q9CECD2	0.000784	0.000164	-0.88663	+	1.13974	-2.26947		13.9186	NaN	13.9421	14.1759	15.1232	14.3294	15.1599	15.2964	3	NaN	1	3	3	1	3	3
PRNP	P04156	3.45E-09	1.33E-09	-0.883178	+	1.03923	-2.00835		16.8428	16.8656	17.221	16.7813	16.722	17.8934	18.7721	17.7254	2	2	2	2	2	2	2	2
COMMD6	Q7ZAG1;Q1	0.000214	4.84E-05	-0.881303	+	1.04482	-2.01765		14.6157	14.6311	15.0354	15.1195	14.7328	15.7383	16.1828	16.4368	2	2	2	2	3	2	2	2
DGKQ	P52824	0.000498	0.000107	-0.881107	+	1.82611	-3.3764		13.3677	13.0145	12.7355	14.1452	13.407	13.6309	14.1922	14.2263	3	3	3	2	3	2	3	2
LYZ	P61626	0.005204	0.000927	-0.87898	+	0.346164	-0.81784		13.7336	NaN	14.2438	16.4857	14.7572	12.5866	15.2438	15.2691	2	NaN	3	3	3	2	3	3
CNN1	P51911	3.21E-10	1.41E-10	-0.878073	+	1.11323	-2.1315		16.4092	16.3335	17.7791	16.2277	17.5111	16.8644	17.8451	9	10	10	10	9	10	10	10	10
ALG3	Q92685;Q5	0.002776	0.000523	-0.876851	+	2.54618	-4.85289		15.7728	15.4793	15.7625	16.5384	16.4884	16.5277	16.9832	16.204	2	2	2	2	2	2	2	2
HBA1	P69905	4.55E-15	6.40E-15	-0.876457	+	1.66662	-3.08421		15.8092	15.3002	15.9573	16.6964	16.7507	16.5694	15.8722	16.9381	5	5	5	4	5	5	5	5
GAA	P10253	6.09E-12	3.70E-12	-0.873785	+	2.0875	-3.87953		16.6639	16.6571	16.7967	17.0275	17.4077	17.7525	18.0001	17.7107	16	16	15	15	14	15	15	16
RP56KB2	Q9UBS0	0.000444	9.63E-05	-0.871003	+	2.07369	-3.8521		13.9887	13.6653	13.4158	14.5255	14.1985	14.8933	14.8809	14.3066	3	3	2	2	1	2	3	1
ACCS3	Q9H6R3	0.002601	0.000494	-0.870827	+	2.58118	-5.5433		14.2355	14.288	14.0755	NaN	15.0933	14.8027	15.3989	14.9871	5	4	4	NaN	3	4	5	5
PXL12	Q00623	0.014436	0.002436	-0.865154	+	0.71136	-1.50846		14.3042	14.7637	NaN	13.9768	16.3332	15.3113	14.5974	14.7768	3	3	3	NaN	2	3	1	2
MAPK8	P45983-3	0.000672	0.000142	-0.863593	+	2.42043	-4.57309		13.6935	14.1768	14.1827	14.643	14.9836	14.6235	14.951	14.951	2	4	4	4	4	4	4	3
IGSF8	Q969PD;Q1	4.25E-10	1.84E-10	-0.862146	+	2.02285	-3.75199		14.429	14.6672	14.429	14.9717	15.9851	15.398	15.539	15.5513	2	2	2	4	4	4	4	4
SRI	P30626;P3	2.83E-08	9.75E-09	-0.861239	+	1.36808	-2.56107		17.4385	17.0548	17.5136	17.4052	18.333	17.9737	18.4494	18.8231	9	9	9	9	9	9	9	9
SCARB1	Q8WTVQ;Q1	0.003545	0.00065	-0.860354	+	1.53987	-3.03701		15.0457	14.7274	15.0161	15.3797	NaN	15.6948	15.6426	16.4434	2	2	2	2	NaN	1	1	1
NAAD4	Q86UY6;Q1	7.52E-09	2.78E-09	-0.858823	+	2.09801	-3.90045		15.5677	15.3625	15.5872	16.2127	16.0999	16.0703	16.5179	16.9224	2	3	3	3	1	3	2	2
POLR3A	Q14802	0.023438	0.003882	-0.856698	+	1.40686	-2.77383		13.9398	13.956	14.2167	NaN	14.5155	14.9873	14.5002	15.5739	3	5	4	NaN	1	3	2	2
CYB5B	Q43169	2.00E-07	6.30E-08	-0.85566	+	2.37915	-4.48348		17.7969	17.6565	18.0738	18.215	18.7473	18.8091	18.9579	18.761	4	4	4	4	4	4	4	4
RBSN	Q9H1K0	0.003961	0.00072	-0.852774	+	1.26337	-2.38321		14.7355	14.6748	14.4716	15.2724	15.0609	15.1177	16.5051	15.444	4	4	5	4	4	4	2	3
HMGCA1	P17096;P1	2.14E-09	8.44E-10	-0.851751	+	2.09466	-3.89378		18.135	18.1462	18.1779	19.4452	19.0434	18.5906	18.6824	19.2626	7	7	7	8	7	7	7	7
ZDHHC6	Q9H6R6;Q1	0.004345	0.000784	-0.850558	+	1.66306	-3.0778		13.6311	13.4895	13.314	14.2301	13.7926	15.0186	14.4319	14.1706	2	1	1	1	1	2	2	2
TIMP3	P35625	1.23E-09	5.04E-10	-0.850546	+	1.67598	-3.10109		16.9127	16.9777	16.952	17.8095	17.4472	17.5774	18.5857	17.5702	9	8	9	9	8	9	9	9
GPCPD1	Q9NPB8	0.000503	0.000108	-0.849825	+	0.879087	-1.88769	NaN		15.0086	14.5398	15.7031	NaN	14.8118	16.1252	15.8561	NaN	3	2	5	NaN	4	2	1
HGH1	Q9BTY7	0.000202	4.59E-05	-0.847163	+	1.87569	-3.46936		15.2457	14.9144	15.4983	15.844	16.2316	15.795	15.8476	16.615	6	5	6	7	7	6	6	7
TOP2A	P11388;P1	1.63E-10	7.58E-11	-0.846567	+	1.54723	-2.87169		14.2592	14.0618	14.0423	14.9588	15.0571	14.1504	15.3071	15.3648	11	9	12	15	13	9	18	21
UBQLN4	Q9NRR5	6.98E-06	1.86E-06	-0.836698	+	2.38539	-4.49695		15.0818	14.6698	15.3635	15.5678	15.4062	15.8076	16.0078	15.9858	7	6	7	7	6	7	7	7
POLR3F	Q9H1D9	0.001691</																						

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
KANK1	Q14678;Q1	3.57E-17	9.69E-17	-0.800217	+	2.43007	-4.59415		13.8112	13.8633	14.0866	14.5737	15.1418	14.504	14.8514	14.5321	7	10	6	11	9	11	10	9
ATPB81	Q43520	9.42E-12	5.50E-12	-0.799324	+	1.32491	-2.48745		14.8309	14.6293	14.8335	16.2073	15.7585	14.8309	15.2473	15.7756	5	6	5	11	6	7	6	6
USP11	P51784	3.46E-06	9.52E-07	-0.799132	+	4.3258	-10.3637		13.6786	13.7865	13.6811	14.578	14.4632	14.482	14.6849	14.3644	8	7	5	9	2	8	10	4
STAR3DNL	O95772;O9	1.61E-06	4.56E-07	-0.796779	+	2.8771	-5.64329		15.208	15.5124	15.4022	15.9168	16.2353	16.1052	16.4872	16.1104	2	1	2	2	2	2	2	2
COA6	Q5J1T3;O5	1.11E-19	6.71E-19	-0.795421	+	1.08122	-2.07819		14.6863	14.3579	15.1661	15.5749	14.7851	15.1456	15.9968	16.1586	2	2	2	2	2	2	2	3
CEMP2	Q9UHN6	5.24E-18	1.84E-17	-0.794176	+	2.9557	-5.84361		14.2317	14.1684	14.1146	14.9886	15.2578	14.6273	14.9892	14.966	8	7	10	9	6	11	13	
USP28	Q96RU2;2	3.49E-09	1.35E-09	-0.793644	+	1.39034	-2.59919		15.0265	14.0813	14.0917	14.6618	15.0694	15.4144	15.5067	15.3151	6	4	6	4	3	4	4	3
QPR1	Q15274	0.000264	5.90E-05	-0.791893	+	0.896032	-1.77043		15.1733	15.264	15.2055	14.7611	16.0717	16.2921	16.1283	16.7777	5	5	5	3	5	5	5	5
CEN1	000622	2.45E-14	2.77E-14	-0.790351	+	2.28406	-4.28112		15.6618	15.6006	15.6444	16.483	15.9554	16.3089	16.7254	16.657	11	11	11	11	11	12	11	12
ENSA	Q43768;O4	8.60E-09	3.15E-09	-0.789147	+	1.67104	-3.09218		15.1282	14.9711	15.7511	16.2342	15.7404	15.7651	16.1582	16.4651	3	3	5	7	5	7	7	7
CDC115	Q96N10	0.003758	0.000686	-0.786307	+	2.14779	-4.00042		15.156	15.1043	15.4468	16.006	16.2268	15.5044	16.2206	16.1521	2	2	2	2	2	2	2	2
CHST3	Q7LGC8	0.000203	4.61E-05	-0.784822	+	1.8534	-3.42744		14.2066	14.2189	14.1077	14.6761	14.9328	14.6634	15.6024	14.9381	2	2	2	2	2	2	2	2
HEG1	Q9ULI3	3.77E-23	6.88E-22	-0.784409	+	1.48764	-2.76737		16.8992	17.0586	17.1955	18.4182	17.5838	18.1071	17.2166	17.852	4	4	5	6	5	6	4	6
NFASC	O94856;12	1.22E-11	7.00E-12	-0.783437	+	2.32983	-4.37784		15.2627	15.1981	15.2195	15.9824	16.4123	15.647	15.8263	16.183	9	6	6	11	10	6	8	11
SLC36A1	Q722HB;Q1	8.63E-11	4.19E-11	-0.782483	+	1.68839	-3.12352		15.0705	14.9334	14.9914	15.7072	15.584	15.4896	16.5144	15.6094	1	1	1	1	1	1	2	1
FAT4	Q6V0I7;Q6	0.002449	0.000469	-0.779411	+	2.2324	-4.17346		13.7015	13.9542	13.9351	14.3516	15.1207	14.7175	14.5048	14.5204	3	5	1	4	2	6	1	3
BA3P1	P80723	1.58E-05	4.07E-06	-0.778615	+	1.42918	-2.66602		16.8075	16.6037	17.3474	18.3376	17.451	17.8055	17.2782	17.6185	15	13	16	17	15	18	15	17
SLC39A7	Q92504	0.000909	0.000189	-0.7782	+	1.07465	-2.06725		13.3172	14.7305	14.6955	14.8377	15.4905	14.8298	15.0168	15.0168	2	1	2	2	1	2	1	2
CDAN1	Q8IWW9;Q8	1.27E-07	4.05E-08	-0.777329	+	3.38021	-7.02095		14.1134	14.1375	14.1927	15.0582	14.8513	15.0138	14.6361	15.0667	4	3	2	3	2	3	1	3
EPB4113	Q8Y212;2	1.47E-13	1.33E-13	-0.77582	+	1.06002	-2.04292		16.0666	16.0674	16.0645	17.5199	16.6907	17.4757	16.0815	16.4419	38	37	39	41	39	40	37	37
PHYKPL	Q8IUZ5	0.002918	0.000546	-0.775635	+	2.0681	-3.84102		13.8277	14.058	13.9636	14.3015	15.1901	14.7748	14.8022	14.5584	2	3	5	3	2	4	4	2
STK17A	Q9IUE5	0.000185	4.22E-05	-0.774383	+	1.80801	-3.34272		14.4727	14.5852	14.5506	15.0087	15.6411	14.7039	15.4242	15.4415	3	3	3	3	3	3	3	3
TMEM41B	Q5B1D5	6.71E-05	1.62E-05	-0.774124	+	2.3227	-4.17407		15.5645	15.5397	16.7769	16.2154	16.0691	16.0765	16.5328	16.5328	3	4	3	4	3	3	4	2
NKLI1	Q9UL63	0.00014	3.25E-05	-0.770196	+	1.56046	-2.895		15.5759	14.2032	14.166	14.8197	14.9878	14.0965	15.0368	14.9328	7	6	7	11	7	7	7	8
CBORF3	Q9H7F9;Q9	7.80E-06	2.07E-06	-0.769125	+	0.647486	-1.38323	NaN	15.0339	13.5255	15.1809	15.6047	15.3269	14.8821	14.2494	14.8821	NaN	2	2	3	3	2	2	3
COL2A2	P12110;2	3.87E-05	9.58E-06	-0.765533	+	2.068	-3.84082		16.954	16.8701	16.8686	17.9941	17.9603	17.2546	17.3902	17.7163	2	2	2	2	2	2	2	2
SLC17A5	Q9NRA2	3.83E-08	1.30E-08	-0.764888	+	2.08614	-3.87682		16.1861	16.1521	16.1072	16.6508	16.6342	16.9548	17.4472	16.8798	5	5	4	5	4	5	5	5
MASP1	P48740;2	5.98E-13	4.57E-13	-0.764728	+	0.207761	-0.5229		18.4535	12.4233	13.4533	15.2639	16.6259	15.7057	14.1893	15.9223	1	2	2	4	7	5	2	8
LRR8C0	Q7L1W4	0.002356	0.000453	-0.764109	+	2.0443	-3.79407		12.9411	13.3274	12.9124	14.1804	13.9404	13.4175	13.9349	13.6488	2	4	4	2	2	3	2	2
CD9	P21976	0.000107	2.52E-05	-0.76268	+	0.752435	-1.53023		16.8227	16.7161	16.5994	18.7883	16.6403	16.8996	17.443	17.5958	4	4	4	5	5	5	5	5
PGRCM1	Q00264	6.54E-07	1.94E-07	-0.761707	+	2.03239	-3.77067		18.6113	18.1988	19.0792	19.1964	19.3541	19.3744	19.5061	19.5262	10	10	10	10	10	10	10	10
NTSE	P21589	3.55E-13	2.91E-13	-0.76049	+	2.9106	-5.72804		18.7192	18.7422	18.6948	19.6576	19.5526	19.3257	19.1736	19.6867	24	26	25	26	26	24	27	26
DPH2	Q9BQC3;Q2	0.027172	0.00448	-0.75944	+	1.06745	-2.05527		14.6198	14.6885	14.3695	15.2417	15.404	15.5675	16.1605	15.12	2	2	2	1	2	2	2	2
YIPF5	Q96M93;Q1	0.001268	0.000258	-0.757914	+	2.77115	-5.38119		16.6483	17.0942	17.0283	17.5748	17.62	17.859	17.8509	17.5028	2	2	2	2	2	2	2	2
NUD2	P50583	2.97E-18	1.12E-17	-0.757356	+	1.60201	-2.96859		15.6578	15.4007	15.7098	16.4791	15.992	15.8351	16.677	16.7508	8	8	8	8	7	8	8	8
CPNE7	Q9UBL6;Q5	5.96E-09	2.23E-09	-0.75514	+	0.984052	-1.98629		13.5951	13.4932	13.4715	14.7613	13.9742	13.5169	14.8481	NaN	4	6	4	7	5	4	9	NaN
PCYARD	Q9ULZ3	4.57E-09	1.74E-09	-0.754722	+	0.905525	-1.78622		15.6749	14.9951	16.0113	16.3044	15.9886	15.6277	16.3984	17.2565	5	5	7	8	5	6	7	9
LAG3	Q14657	0.001378	0.000278	-0.753118	+	2.4199	-2.34715		13.7553	13.8588	14.0594	14.2856	15.0423	14.0357	14.5473	15.3103	1	1	1	1	1	2	2	3
SLC20A2	Q08357	2.54E-12	1.67E-12	-0.75278	+	2.41517	-4.5616		14.8699	14.9601	14.7966	15.8296	15.3685	15.2978	15.8271	15.8186	4	5	4	4	5	4	4	4
POM121C	ABC634	0.037157	0.006073	-0.752378	+	3.55142	-9.01184		14.0852	14.0576	14.0788	NaN	14.9783	14.6409	14.8685	14.8173	2	6	4	NaN	2	5	5	4
PFKBF3	Q16875;Q1	0.002039	0.000399	-0.749836	+	1.30477	-2.45326		13.0436	13.068	13.667	14.1977	14.2774	13.0261	13.8252	14.0533	2	3	2	3	1	2	2	1
ALP2	Q06481;Q1	8.40E-12	4.95E-12	-0.748926	+	0.772409	-1.56385		14.6712	14.7378	14.779	16.5845	15.0098	14.7996	14.9201	16.0772	15	15	16	20	14	15	16	17
FLNC	Q14315	1.96E-12	1.32E-12	-0.746757	+	1.6639	-3.07931		19.973	20.0171	19.9774	21.2862	20.7524	20.3392	20.3464	20.9554	154	152	154	157	155	153	152	157
PXDC1	Q5TGL8	8.86E-14	8.58E-14	-0.746275	+	2.26038	-4.23158		14.6454	14.9957	14.9644	15.2511	15.4757	15.9381	15.6687	15.7402	4	4	4	4	4	4	3	4
ATF6B	Q99941;Q5	5.18E-10	2.22E-10	-0.744651	+	1.8131	-2.66151		13.8131	13.5892	13.956	14.3409	14.8566	13.8643	15.0023	14.5897	3	3	5	5	4	2	3	3
HDAC4	P56524	0.010645	0.001821	-0.744643	+	0.876682	-2.04943		13.7222	13.1261	13.8886	NaN	NaN	14.6009	NaN	14.0463	4	4	2	NaN	NaN	2	NaN	2
ENTPD4	Q9Y227;Q9	0.005045	0.000901	-0.742246	+	3.42672	-7.16059		14.2193	14.3935	14.6037	15.1007	15.3347	15.1342	15.0579	15.1112	4	2	3	2	4	3	3	2
QSOX1	Q00391	4.53E-16	8.46E-16	-0.741708	+	3.8039	-8.38062		14.9378	15.0456	14.9764	15.7084	15.8118	15.5423	15.9174	15.6616	10	10	11	15	9	13	15	13
DOHH	Q9BU89	2.53E-12	1.66E-12	-0.741615	+	1.24096	-2.34543		15.616	15.0241	15.8537	15.6401	16.4022	15.9368	16.5433	16.6755	7	6	7	6	7	6	7	8
IVNS1ABP	Q9Y6V0	7.95E-05	1.90E-05	-0.740687	+	2.05495	-3.81505		13.5341	13.5972	13.3856	13.7482	14.1926	14.5161	14.5232	14.2514	3	3	2</					

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control 1	Log2 MS2_quantity_ Control 2	Log2 MS2_quantity_ Control 3	Log2 MS2_quantity_ Control 4	Log2 MS2_quantity_ Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
CNST	Q6PJW8	4.92E-18	1.76E-17	-0.70921	+	2.30234	4.31958		14.5836	14.5311	14.6958	15.3146	15.6573	14.9025	15.3487	15.3405	6	6	7	7	9	6	7	8
AKT1S1	Q96B36	1.14E-05	2.98E-06	-0.70865	+	2.83603	-5.54062		16.7808	16.467	16.9904	17.5121	17.6011	17.3926	17.4416	17.3264	4	4	5	5	4	4	5	5
PAM	P19021	1.85E-15	2.94E-15	-0.708559		1.28105	-2.41309		15.1102	15.1502	15.1459	15.5898	15.408	15.9244	15.6379	16.6597	14	14	14	16	14	17	16	17
FBLM1	Q8WUP2	1.17E-07	3.76E-08	-0.707613	+	3.02961	-6.03677		16.6534	16.7278	16.672	17.5264	17.3365	17.502	17.5217	17.0734	11	11	12	12	9	13	11	12
TMEM175	Q9BSA9	0.000774	0.000162	-0.706783	+	2.24517	-4.39991		13.4743	13.4077	13.693	13.9184	14.3085	14.1606	14.628	14.1432	3	3	3	4	4	3	4	3
GLI2	P10070:P1	0.001155	0.000236	-0.706128	+	1.66648	-3.6614	NaN		14.6245	14.2849	14.9501	NaN	14.9986	15.3325	15.3621	NaN	3	1	3	NaN	2	2	1
RUFY3	Q7L099:Q2	0.000102	2.41E-05	-0.70249	+	2.66403	-5.12501		15.0944	14.9791	15.0245	15.6383	15.8971	15.8533	15.9064	15.3806	3	6	4	6	5	6	6	4
COPZ1	P61923	4.08E-08	1.37E-08	-0.700176	+	1.64716	-3.04923		18.2983	17.967	18.4146	18.6276	18.7769	18.6524	19.1537	19.4233	7	7	7	7	7	7	7	7
OSTM1	Q86WC4	0.001603	0.000321	-0.698474		0.896203	-1.7072		15.536	15.6063	14.5998	15.5135	15.2775	16.2681	16.5333	16.137	2	2	2	3	1	2	3	3
MAP3K20	Q9NVL2	0.000376	8.24E-05	-0.696505	+	1.78531	-3.30066		13.3174	13.1853	13.3149	14.329	14.0915	13.4282	13.8389	14.1575	4	6	3	7	4	4	6	4
CDC42EP2	O14613	0.00173	0.000344	-0.696369	+	2.2389	-4.18692		17.0153	16.8189	17.1794	17.7809	17.7178	17.8823	17.2721	17.8513	3	3	3	3	3	3	3	3
STAMBP1	Q96FJO:Q9	0.001905	0.000375	-0.696186	+	1.65926	-3.70797		14.6092	14.9692	15.2611	16.1566	15.5128	15.3629	15.5807	15.6005	3	4	5	5	5	5	5	3
A2M	P01023	0.0002	4.55E-05	-0.696009		0.426831	-0.95972		20.6433	20.616	20.6564	21.5246	19.9195	20.8987	23.2393	21.091	4	4	4	5	5	6	8	8
STEAP1	Q9UHE8	0.00606	0.001069	-0.695451		0.609838	-1.28685		12.8693	13.2512	13.4953	15.0188	12.6767	13.7268	13.674	14.4073	3	3	3	5	3	2	2	4
TAFA	O00268	0.012491	0.002119	-0.695022		0.829369	-1.70911		13.6222	13.8075	13.641	14.0616	15.3774	14.2562	NaN	13.8458	2	1	2	1	1	1	NaN	1
DLGAP5	Q15398:Q2	0.001861	0.000367	-0.694883	+	1.86556	-3.45028		14.1286	13.7778	13.9192	14.8356	14.2657	14.4962	14.5209	15.0653	2	2	1	4	2	1	4	6
BAIAP2L1	Q9UHR4	0.004162	0.000754	-0.694421	+	1.78693	-3.30366		13.2541	13.3829	12.9577	13.9581	14.2503	13.4247	14.0721	13.7571	1	2	1	4	4	3	4	4
NDC80	O14777	0.000229	5.16E-05	-0.692851		1.0031	-1.94834		14.7049	14.4695	14.5655	15.0142	16.2534	14.6957	15.0937	15.3072	11	11	9	11	5	6	8	7
PIKFYVE	Q9Y217	7.25E-05	1.74E-05	-0.691979	+	1.87116	-3.46083		13.987	13.2998	13.8669	14.3924	14.5639	14.4338	14.5969	14.0625	4	3	3	4	4	2	4	4
TOR3A	Q9H497:Q2	0.000421	9.15E-05	-0.691622	+	2.28474	-4.28254		14.2467	13.8305	14.4	14.6078	14.9252	14.8017	15.0802	14.8386	2	2	2	4	1	3	3	2
TPBG	Q13641	1.21E-05	3.14E-06	-0.689886	+	2.02116	-3.74868		17.0079	17.0567	17.1501	18.1433	16.7411	17.3746	17.9854	17.6298	7	5	6	7	6	8	7	8
NEPRD	Q6NW34	0.001701	0.000339	-0.689491	+	1.93118	-3.57473		15.4613	15.3922	15.4957	15.9294	16.5781	16.3879	15.9153	15.8854	4	3	5	4	3	2	4	2
SERPINF87	Q75635:Q2	0.000715	0.000151	-0.688892		1.15436	-2.20015		13.8593	13.8593	13.5809	13.9766	15.2148	14.0766	14.7244	14.2832	1	2	2	2	2	3	2	3
PCBD1	P61457	1.47E-06	4.19E-07	-0.687724	+	1.67305	-3.0958		15.975	15.4355	15.9713	16.3637	15.8157	16.4074	16.6415	16.5133	4	4	4	5	5	4	4	4
CIT	O14578	4.57E-05	1.13E-05	-0.687246	+	2.01703	-3.74062		14.7247	14.7663	14.8316	15.1255	15.6527	15.1462	15.593	15.7898	15	13	13	18	18	5	13	20
UFM1	P61960	0.002014	0.000935	-0.687174	+	2.39259	-4.51252		18.5073	18.2851	18.515	18.8608	19.3115	18.8899	19.3792	19.1736	3	2	4	4	2	4	4	4
SLC52A2	Q9HAB3	0.000519	0.000111	-0.686233	+	2.07822	-3.86108		16.0656	15.5463	16.1697	16.3586	16.3631	16.7695	16.5413	16.5413	2	2	2	2	2	2	2	2
LAMTOR3	Q9UHM4:Q2	3.59E-08	1.22E-08	-0.686144	+	2.54288	-4.84541		17.0203	17.1269	17.3877	17.6887	17.7402	17.7866	18.1767	17.9299	5	5	5	4	5	5	5	4
TXNDC15	Q96142	1.23E-05	5.91E-06	-0.684109	+	1.45313	-2.70742		15.2308	14.9546	15.0608	15.8744	15.9192	15.0865	16.1931	15.7576	5	4	4	4	4	5	5	4
NPC2	P61916	0.000174	3.99E-05	-0.683012	+	1.88591	-3.48867		17.6101	17.5574	17.6987	18.0898	18.2766	18.0016	18.8356	18.3216	7	8	7	9	7	9	9	9
LMBRD2	Q68DH5	0.000635	0.000135	-0.68196	+	2.25346	-4.21715		14.21	14.2284	14.0787	14.4504	14.7904	14.8617	15.1459	15.0233	2	2	2	3	1	5	5	2
PUM2	Q8TB77:Q8	7.83E-05	1.88E-05	-0.681399	+	1.57799	-2.92598		15.0649	14.2347	14.8722	15.4339	15.7485	15.0707	15.3621	15.4115	3	4	4	4	2	5	4	3
DDA1	Q9BW61	0.000699	0.000145	-0.680553		1.12034	-2.14336		13.489	13.3047	13.5066	13.8445	13.8495	13.5414	14.5525	14.7822	1	2	2	2	2	2	2	2
CEP170	Q5SW79:2	0.000178	4.08E-05	-0.679918		0.892741	-1.76496		12.4635	12.2484	12.2719	13.9398	12.8984	13.0609	12.137	13.0033	1	1	3	3	1	1	1	2
UBE2G2	P60604:P6	1.38E-06	3.94E-07	-0.677526	+	1.84662	-3.41472		15.3093	15.0587	15.4652	15.8384	15.7083	15.6773	16.2546	16.2976	4	4	4	4	3	3	4	4
DCPTP1	Q9H773	0.002953	0.000552	-0.674935		0.986271	-1.92038		14.8923	14.3015	14.8496	14.8552	15.1248	14.9479	15.766	16.0865	3	2	3	3	4	4	4	4
HERC4	Q5GL28:Q5	8.95E-20	5.55E-19	-0.673774	+	1.62996	-3.01843		16.3312	16.3624	16.3634	16.607	17.5177	16.691	17.1632	17.1577	43	43	44	42	45	43	46	43
SIPAL11	O43166:2	5.01E-15	6.92E-15	-0.67275	+	1.48638	-2.76517		14.3058	14.2562	14.3007	15.6666	14.8678	14.625	14.7674	14.8748	21	21	19	32	16	25	25	25
YNPPO	Q8N3V7:Q2	0.002051	0.000401	-0.672324	+	1.10029	-2.10993		14.4885	14.2483	14.1149	14.7065	14.4149	15.5495	15.4696	14.6405	1	1	3	3	2	2	1	1
UBAP2	Q5TF62	2.97E-09	1.16E-09	-0.671933	+	1.94333	-3.598		15.0339	15.0269	15.0703	15.9263	15.8431	15.1619	15.8032	15.8437	6	6	7	7	5	5	6	7
ABT1	Q9ULW3	0.000657	0.000139	-0.668036		0.725282	-1.48438		14.6207	15.1677	15.28	16.8587	15.0397	15.2937	15.4348	15.8273	2	1	3	2	1	1	2	2
TXN2	Q99757	2.42E-05	6.12E-06	-0.667637	+	1.39622	-2.60928		15.2712	14.9941	15.4046	15.5599	15.6565	15.5857	16.2488	16.4038	5	3	5	4	5	5	4	5
MORF4L2	Q15014	0.002487	0.000475	-0.667619	+	1.65314	-3.05997		13.3224	13.5655	13.7918	13.896	14.2393	14.0148	14.747	14.2405	2	2	3	4	3	1	3	3
B4GALT4	Q60513	3.50E-11	1.83E-11	-0.667587		0.798168	-1.60709		13.5395	13.6304	13.6796	14.891	13.7887	14.4279	14.9549	13.3632	2	2	2	3	3	3	4	3
GSTM4	Q03013:Q2	3.37E-09	1.30E-09	-0.666913	+	0.672363	-1.39442		16.668	16.5739	16.7587	16.1295	17.9235	17.7797	16.896	17.9401	7	9	9	6	9	9	7	10
KCNMA1	Q12791:2	5.21E-06	1.41E-06	-0.665893	+	2.9589	-5.85188		15.3548	15.3425	15.3803	15.7169	16.0938	16.1214	16.2099	15.9834	9	8	7	9	10	11	12	14
MAPRE3	Q9UPY8	0.000413	8.99E-05	-0.665365	+	3.83815	-8.49965		16.062	16.0017	16.6536	16.5648	16.4922	16.7052	16.6613	16.6613	8	8	8	10	8	8	9	9
BOLA2	Q9H3K6	2.85E-06	7.90E-07	-0.664908	+	1.44258	-2.68916		17.6025	16.9271	17.565	17.6883	17.9799	17.7942	18.2238	18.4627	4	4	4	4	4	4	4	4
TPM1	P09493:5	0.000754	0.000158	-0.663318	+	1.62452	-3.00871		16.6241	16.6555	16.5732	17.4021	17.4445	17.7425	16.8358	16.9797	2	2	2	2	2	2	2	2
CEP55	Q53E2A	0.002738	0.000517	-0.662118	+	1.31721	-2.47437		14.1007	14.5642	13.8942	15.0787	14.2793	14.7155	14.9054	15.2634	5	5	6	9	4	4	6	7
PSMD10	Q75																							

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
AVL9	Q8NBF6:Q	0.000824	0.000172	-0.639792	+	1.69997	-3.14448		14.6786	14.6062	14.56	15.405	15.6833	14.776	15.1096	15.2996	5	5	5	7	4	5	5	5
PPP2R5B	Q15173:Q	0.002566	0.000489	-0.63947	+	2.04164	-3.78883		13.3148	15.541	15.6005	16.0071	16.5524	15.8642	16.0324	16.0324	2	3	5	5	4	4	5	4
RB1	P06400	7.93E-14	7.77E-14	-0.639209	+	1.59173	-2.95034		14.0969	14.1607	14.0903	14.9193	14.5873	14.2001	14.9811	15.0881	6	8	7	8	4	5	6	8
FOSL1	P15407	5.82E-16	1.05E-15	-0.639057	+	0.543794	-1.17127		15.3945	15.4521	15.6007	16.6462	16.5856	16.6268	16.7368	16.7321	3	2	3	3	3	1	3	3
CAPNS1	P04632	3.36E-13	2.77E-13	-0.63802	+	2.56135	-4.88737		19.692	19.5015	19.8181	20.0758	20.5842	20.34	20.3304	20.2123	11	11	12	13	12	12	13	13
PTPN21	Q16825	0.004834	0.000866	-0.637786	+	1.55594	-2.88704		16.5208	16.327	16.3026	17.1532	17.3055	16.4229	16.9581	17.2667	3	3	3	3	2	4	2	3
ARPP19	P56211:P	0.000754	0.000158	-0.63765	+	0.417534	-0.94243		15.2254	15.0265	15.6999	16.7342	14.8797	14.7838	16.0967	17.28	3	3	4	3	3	3	4	3
RTL8C	A6ZK13	0.000492	0.000106	-0.636436	+	1.63418	-3.02598		15.9127	15.5718	15.9121	16.5856	16.4855	15.9923	16.2655	16.8478	5	6	5	5	5	4	7	6
POLR1F	Q3B726	0.001248	0.000254	-0.636436	+	1.69632	-3.13786		14.467	14.3618	14.3521	15.0402	15.4705	14.5593	14.9009	15.1794	2	2	2	2	2	2	2	3
TRPC4AP	Q8TEL6:Q	0.008278	0.001435	-0.636325	+	1.31603	-2.59908		14.3949	14.3757	NaN	15.3632	14.6091	14.7454	15.1475	15.243	1	2	NaN	2	2	2	2	2
SAMD9L	Q8IVG5	3.35E-05	8.36E-06	-0.635749	+	1.284	-2.41807		14.2362	14.1628	13.898	14.3291	14.3601	15.2191	15.1387	14.6266	5	4	1	3	3	5	5	2
KCT2	Q8NC54	0.000535	0.000115	-0.635671	+	2.45911	-4.65802		15.5335	15.4014	15.6722	16.1605	16.0659	15.9583	16.1602	16.512	2	2	2	2	2	2	2	2
TMCO4	Q5TGY1:Q	2.40E-07	7.50E-08	-0.634251	+	1.38739	-2.59413		15.1445	14.7248	15.0228	15.6429	15.0393	15.5733	15.6244	16.1116	2	2	2	3	2	2	3	2
CTC131	Q9UPN4:Q	2.15E-07	9.79E-11	-0.634063	+	1.54583	-2.86924		14.0243	13.8215	14.028	14.7826	14.6653	14.0806	14.4095	15.022	3	3	3	3	3	1	2	3
RAI14	Q9P0K7:4	3.16E-13	2.63E-13	-0.633175	+	4.13076	-9.57851		16.0686	16.0792	16.0721	16.835	16.7388	16.7597	16.5456	16.6533	43	45	43	48	44	45	45	46
RA81F	P47224	0.001542	0.000309	-0.632911	+	2.1939	-4.09422		16.6043	16.5055	16.786	17.2526	17.551	16.8931	17.2727	17.3547	2	2	2	3	2	2	2	2
NMRAL2	Q9HBL8	8.77E-06	2.32E-06	-0.632096	+	1.53994	-2.85887		14.3068	14.3197	14.2626	14.2845	15.0016	15.0104	15.2036	15.1423	5	6	4	6	5	8	6	6
UBQLN2	Q9UHD9	4.40E-20	3.16E-19	-0.631606	+	3.01258	-5.99185		15.9028	15.6381	15.9823	16.4142	16.4225	16.5494	16.3342	16.6431	6	5	7	6	6	7	5	6
WWC2	Q6AWC2	0.000901	0.000187	-0.630127	+	4.40387	-10.694		14.40387	14.3295	14.471	15.033	14.9708	15.1577	14.9461	15.0767	6	2	3	8	5	4	6	5
GIM1	Q9NUJ53	0.000626	0.000147	-0.628479	+	1.11743	-2.28851		13.3402	13.5142	14.2731	14.5397	NaN	14.5693	14.1429	14.1429	3	2	1	3	1	NaN	2	2
G6orf47	Q95872	0.003055	0.000568	-0.627479	+	0.820401	-1.64431		15.2341	15.2458	16.9406	15.2457	16.0849	15.765	15.7469	15.7469	3	2	3	2	1	3	3	3
ATP7A	Q04656:Q	0.006694	0.001175	-0.627474	+	1.23914	-2.34235		13.3932	13.4572	12.4913	13.4239	13.9158	13.9294	13.8865	13.5513	3	2	2	2	1	3	5	2
GMFG	Q60234	0.001615	0.000323	-0.627426	+	2.5769	-4.92289		16.6783	16.4991	16.793	17.4688	17.2342	16.9897	17.4015	17.327	2	2	2	3	2	2	3	2
KPN2A	P52292	1.97E-18	7.86E-18	-0.626642	+	1.14394	-2.18275		17.1296	17.081	17.0778	17.8985	18.005	16.9131	17.6779	18.1195	14	14	15	15	14	14	15	15
AGF2	Q95081	0.005526	0.000979	-0.626024	+	1.41264	-2.63752		15.1092	15.1092	14.9943	16.1657	15.6298	15.4392	15.1983	15.9939	3	3	2	3	2	3	3	3
LARCA	Q71RC2:Q	2.67E-16	5.42E-16	-0.625976	+	2.03988	-3.78539		15.2436	15.3187	15.1937	16.1034	16.0721	15.4983	15.676	16.0401	12	12	11	15	11	10	13	14
UCK2	Q9BZX2	1.61E-13	5.66E-13	-0.62561	+	2.14697	-3.99876		15.5832	15.48	15.496	16.0542	16.3009	15.9075	15.9449	16.5195	5	6	6	7	8	6	7	7
WN15A	P41221:P4	4.25E-11	2.18E-11	-0.624777	+	0.79987	-0.8717		14.4481	14.3401	14.4726	13.9869	14.3667	15.8079	16.7835	14.2801	7	7	8	8	8	9	9	5
SLCA7	Q9Y6M7-1	1.95E-10	8.96E-11	-0.624708	+	1.30624	-2.45574		13.6803	13.5958	13.5955	13.8287	14.1153	14.5063	14.8541	13.9385	6	8	9	7	11	11	9	6
ATGA4	Q8WYNO:Q	0.015495	0.002605	-0.62316	+	0.853182	-1.83615		13.0497	12.8093	13.0978	13.9042	NaN	12.9549	NaN	13.9671	2	2	2	2	NaN	2	NaN	1
ANKRD13D	Q6ZTN6-3	0.003232	0.000612	-0.621618	+	1.76871	-3.27006		17.4938	17.4482	17.4538	18.289	18.4477	17.6608	17.8712	18.1657	2	3	4	5	4	4	4	2
GPR176	Q14439:Q	9.82E-11	4.71E-11	-0.621515	+	5.29897	-15.2476		15.7839	15.6763	15.6551	16.3448	16.3694	16.2649	16.2871	16.3669	6	7	5	5	6	6	6	7
DCAF12	Q9NKF7	3.94E-06	1.08E-06	-0.621236	+	0.838017	-1.67375		12.9308	13.6865	13.8972	13.5406	14.7897	13.6942	14.2805	14.3256	3	3	3	2	3	3	3	3
PBLD	P30039	8.38E-05	2.00E-05	-0.620213	+	1.97999	-3.66862		14.4606	14.4944	14.3306	14.6205	15.1333	14.9398	15.3038	15.2464	6	6	7	10	8	10	10	11
UPP1	Q16831	6.24E-14	6.30E-14	-0.619552	+	0.486629	-1.06915		14.0761	14.09	14.3011	14.6332	13.5198	15.0753	16.1776	14.4704	5	6	6	4	3	7	8	4
NRBP1	Q9UHY1	8.72E-09	3.19E-09	-0.61948	+	2.27324	-4.25843		16.0477	15.9911	16.014	16.5974	16.9772	16.6529	16.2933	16.6647	15	16	15	14	12	14	13	15
POLG	P54098	0.003842	0.0007	-0.618588	+	0.378586	-0.93621		14.0939	NaN	14.2255	14.1968	NaN	14.3424	NaN	15.7956	3	NaN	3	2	NaN	1	NaN	1
DCP1A	Q9NP16:Q	2.53E-06	7.03E-07	-0.617898	+	0.587665	-1.24829		14.1121	13.9158	14.1587	14.4581	16.1429	14.1843	14.2335	14.3818	3	NaN	6	6	4	2	4	5
TF2	Q9UNY4	0.001879	0.00037	-0.617603	+	1.19823	-12.3985		12.298	12.998	11.6622	NaN	13.5454	12.5751	13.5454	12.5751	1	2	2	3	1	NaN	2	2
JNA	Q16352	2.62E-12	1.71E-12	-0.616616	+	0.855523	-1.70296		14.7266	14.6823	14.6869	15.3595	15.4012	14.602	14.9799	16.2335	8	8	6	9	9	6	7	11
ST7	Q9NRC1	0.029452	0.004843	-0.615731	+	0.764952	-1.55131		14.1683	14.8109	14.4163	14.5953	16.1646	15.0239	14.7755	14.8453	3	1	1	1	2	2	3	1
GK	P32189:P	0.000226	5.10E-05	-0.615022	+	0.7814	-1.57896		14.8925	14.8606	14.8684	16.5108	15.4786	14.8228	15.0346	15.5975	7	6	7	10	5	8	5	6
CLDND1	Q9NY35:Q	0.000239	5.38E-05	-0.614464	+	3.63693	-7.82053		14.2583	14.4231	14.4644	15.03	14.8678	15.0624	15.1186	14.9031	3	2	2	2	2	2	2	2
ATP8B2	P98198:P	0.001173	0.000345	-0.614382	+	3.89752	-8.7095		13.9311	14.1219	13.8288	14.5468	14.6161	14.5166	14.6467	14.5486	5	4	6	6	5	5	4	6
PSTPIP2	Q9H939	0.001132	0.000232	-0.613097	+	1.98262	-3.6737		13.6934	13.7117	13.6948	14.5577	15.6886	13.898	14.1929	14.3482	2	3	4	4	4	2	2	2
ANKRD52	Q8NB46	7.77E-11	3.80E-11	-0.612473	+	1.81693	-3.3593		13.8585	13.5859	13.8685	14.6155	13.9104	14.3335	14.5351	14.5227	5	4	4	4	3	3	5	4
TRIM11	Q96F44:Q	4.21E-05	1.04E-05	-0.612354	+	0.927683	-1.82306		14.7634	14.2265	14.3249	15.6323	15.5775	14.4625	14.7246	14.8563	2	2	2	3	1	3	3	3
TTCL1	Q8NBPO	0.001441	0.000291	-0.610811	+	1.59991	-2.96486		14.4271	14.5233	14.4871	14.5619	15.3487	15.1974	15.3971	14.9448	4	4	3	5	5	5	4	4
DERL1	Q9BUN8	0.00043	9.34E-05	-0.610764	+	2.54064	-4.84035		17.4814	17.689	17.5453	18.168	17.8942	18.3238	18.4051	18.1222	6	6	5	6	5	6	7	6
DAB2	P98082	3.61E-16	6.94E-16	-0.609657	+	2.09396	-3.89238		17.4067	17.3672	17.374	17.9953	18.3123	18.0958	17.5906	17.9675	25	25	25	25	25	26	23	25
SPTY2D1	Q68D10:Q	1.52E-05	3.91E-06	-0.608																				

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
ALC04	O14678	0.002845	0.000535	-0.593793	-	1.07958	-2.15933		14.3926	14.5394	14.3318	14.4114	NaN	15.0174	15.5159	15.1155	2	1	1	3	NaN	2	4	2
SLC30A6	Q6NXT4;Q	2.64E-16	5.38E-16	-0.593673	+	2.46091	-4.66201		14.3404	14.4871	14.3864	14.7329	14.9191	14.941	15.2711	15.1276	5	4	6	5	3	5	6	6
ATP6V0A1	Q93050;Q	1.03E-13	9.82E-14	-0.593603	+	2.51585	-4.78444		16.6048	16.5208	16.5774	17.3344	16.9868	16.9743	17.4234	17.0876	16	16	16	17	16	17	17	17
SKP1	P63208	1.94E-06	5.45E-07	-0.592926	+	0.932653	-1.83132		17.9095	17.1592	18.6349	18.444	18.3627	18.3565	18.6363	18.6714	10	9	8	8	8	7	10	9
CPEB2	Q725Q1;Q	0.004033	0.000731	-0.592613	+	1.55466	-2.88478		12.5773	12.5577	12.2687	13.0407	12.8904	12.696	13.5604	13.1149	1	2	1	3	2	1	1	3
NBEA1	Q6Z530	8.83E-09	3.23E-09	-0.590512	+	2.74462	-5.31694		13.8295	13.8228	13.9155	14.5854	14.3014	14.3463	14.1876	14.4783	8	7	6	8	4	7	7	8
WDR35	Q9P2L0;Q	0.005909	0.001044	-0.589899	+	1.38418	-2.58863		14.6052	14.7084	15.3085	15.3666	15.9181	15.191	15.4535	15.3904	3	3	2	2	2	2	2	1
TSC2D204	Q9Y3Q8	6.78E-09	2.52E-09	-0.589772	+	1.90623	-3.52718		15.1589	14.9801	15.0579	15.9144	15.7589	15.4908	15.2615	15.8514	9	7	9	9	10	11	6	9
ITGBL1	Q95965	5.34E-13	4.14E-13	-0.589388	+	1.21264	-2.29779		14.3555	14.5658	14.4748	14.6075	14.9842	15.6579	15.2818	14.7424	5	6	4	5	6	6	7	5
TMEM199	Q8N511	0.000169	3.88E-05	-0.589376	+	2.68025	-5.16326		14.5502	14.5635	14.4369	15.1247	15.2124	14.782	15.1946	15.2174	4	4	3	6	5	3	5	4
SMCS	Q8IY18	0.004914	0.00088	-0.589112	+	0.348367	-0.82223		14.2152	14.1966	14.0903	14.6392	13.361	16.3146	NaN	14.7111	4	4	7	3	2	1	NaN	3
ZNHT2	Q9UHR6	0.001982	0.000389	-0.58688	+	0.383376	-0.9114		14.7902	14.4524	14.9111	15.2236	16.4328	NaN	14.258	NaN	2	3	2	2	2	1	NaN	1
PRPS1	P60891	2.00E-14	2.32E-14	-0.585313	+	1.45175	-2.70503		18.2691	18.3033	18.2394	19.258	18.7509	18.9697	18.2936	19.0073	17	17	17	16	17	17	15	17
RLGPS2	Q86X27;Q	3.48E-14	3.76E-14	-0.582531	+	2.31303	-4.34219		14.8089	14.8265	14.8428	15.4619	15.7308	15.11	15.4093	15.3308	9	11	9	13	11	11	13	12
SCYL3	Q8I2E3;Q	1.12E-05	2.93E-06	-0.582057	+	1.2266	-2.32126		13.9286	13.8804	13.8627	14.4188	15.0453	14.0308	14.7307	14.1375	3	3	4	3	4	3	2	3
DSC1	Q08554;Q	4.13E-09	1.58E-09	-0.580965	+	0.778618	-1.57428		14.3165	14.4789	14.3389	15.6049	14.8025	13.996	15.0634	15.3286	2	2	3	4	2	1	3	4
TICD3A	Q8TB87;Q	0.007745	0.00135	-0.580623	+	3.10727	-6.24484		15.2973	15.4428	15.3687	15.7788	16.145	16.0509	15.916	15.8605	2	2	2	2	2	3	2	2
DICER1	Q9UPY3	0.000702	0.000148	-0.579153	+	2.52842	-4.81274		13.9746	13.9311	13.832	14.5549	14.644	14.5996	14.666	14.1666	7	6	4	7	4	6	6	4
NDUFA4	Q00483	1.92E-06	5.39E-07	-0.578531	+	1.46871	-2.73444		18.1825	17.77	18.434	18.5671	18.566	18.5289	18.7121	19.1627	4	4	4	4	4	4	4	4
LSM1	Q11516	0.001767	0.000351	-0.578418	+	0.792134	-1.59697		16.9595	16.6791	17.1893	17.1518	17.6602	16.8543	17.5553	18.3835	2	2	2	3	3	3	3	4
HIF1	Q9NMW4	0.000747	0.000157	-0.575383	+	2.20078	-4.10831		13.6865	13.8291	13.706	14.6103	14.3057	14.108	14.0831	14.4725	6	5	7	6	5	5	7	9
CD44	P16070;P1	3.20E-06	8.82E-07	-0.575056	+	1.93192	-3.57615		20.4778	20.4593	20.4536	21.4471	21.1099	20.7119	20.9703	20.9539	9	9	9	9	9	9	9	9
HAX1	Q00165;Q	0.66E-05	1.61E-05	-0.574709	+	1.77135	-3.27492		15.6328	15.7468	15.7924	16.4069	16.2511	16.2796	16.5749	16.5749	3	4	3	3	2	3	2	2
RIBS	Q8N0T1	0.001065	0.00219	-0.572969	+	0.518414	-1.18079		12.9744	NaN	13.8585	14.0867	14.4821	13.2261	NaN	14.1629	2	NaN	1	1	2	1	NaN	2
BLOC1C54	Q8NUP1	1.39E-06	3.96E-07	-0.570223	+	1.66207	-3.07603		15.7943	15.6955	15.9715	15.8841	16.5307	16.6407	16.4167	16.4809	3	3	3	3	2	3	3	2
CAVIN2	Q95810	6.27E-07	1.86E-07	-0.569699	+	0.234613	-0.58063		15.3706	15.425	15.4835	13.3383	16.3745	16.764	17.7226	15.7808	7	6	7	3	8	8	8	5
ZBTB21	Q9ULJ3;Q	5.32E-21	5.22E-20	-0.569379	+	0.675313	-1.39945		13.8465	13.8249	12.3124	13.9172	13.9328	13.4239	14.1367	14.0759	2	2	2	2	2	2	2	2
TECPR2	Q15040;Q	0.002811	0.000529	-0.569355	+	1.77701	-3.28536		14.7896	15.1491	15.045	15.376	15.8655	15.2218	15.6748	15.6814	6	7	7	7	3	6	5	5
FBXW8	Q8N3Y1	2.64E-10	1.18E-10	-0.568454	+	4.32895	-10.3769		14.2018	14.2261	14.2863	14.7302	14.9034	14.8321	14.7027	14.8642	8	7	7	7	5	8	7	6
HBD;HBB	P02042;P6	6.87E-05	1.66E-05	-0.565905	+	1.99997	-3.70736		17.3488	16.839	17.0842	17.835	17.4088	17.5769	17.6276	17.8347	2	2	2	2	2	2	2	2
	Q6ZS89	0.000145	3.37E-05	-0.565206	+	3.12839	-6.3024		17.4078	17.2515	17.2302	18.0461	17.9256	17.7037	17.7688	17.8643	6	5	6	7	6	6	6	7
CEP170	Q5SW79	1.51E-21	1.65E-20	-0.564935	+	0.890016	-1.76042		15.6772	15.733	15.7078	17.1748	16.1013	15.952	15.815	16.3118	46	43	45	53	45	46	46	50
CHLKO1	Q14757;Q	0.001481	0.000298	-0.564106	+	0.619468	-1.37832		13.7734	NaN	13.6249	14.8267	13.7391	NaN	13.8633	14.6241	2	1	0	2	3	2	NaN	2
RPA3	P35244	3.57E-05	8.88E-06	-0.564002	+	1.00275	-1.94774		16.1117	15.8052	16.1738	16.0538	16.4233	16.3322	17.1106	17.0512	4	4	4	4	4	4	4	4
ERCC4	Q92889	0.000907	0.000201	-0.564017	+	1.48398	-2.761		13.8594	13.9744	13.9833	14.1928	14.8544	14.1287	14.8188	14.5206	4	7	6	4	3	2	4	6
TANC2	Q9HCD6;Q	6.99E-11	3.46E-11	-0.563989	+	2.71712	-5.25091		14.3985	14.4559	14.4438	15.0119	15.2207	14.7196	15.0192	15.0123	9	6	6	11	6	3	6	8
RAPGEF1	Q13905;Q	0.001241	0.000253	-0.563584	+	0.950522	-1.92598		14.5053	14.466	14.6415	15.2299	15.7378	NaN	14.6843	14.7527	3	5	4	6	4	NaN	3	3
DUSP3	P51452	7.58E-07	2.24E-07	-0.563299	+	1.05494	-2.03447		17.6935	17.5742	17.6172	18.5079	18.4358	17.3944	18.1836	18.4363	7	7	7	7	7	7	7	7
SH3BGR1	Q75368	8.32E-14	8.11E-14	-0.562976	+	1.06266	-2.04731		19.0078	18.4758	19.1149	18.8175	19.5202	19.3165	19.8476	19.6439	9	9	9	9	9	9	9	9
GFPT1	Q06210;Q	6.28E-11	1.31E-11	-0.561768	+	3.45128	-7.23522		18.0548	18.0618	18.0407	18.4988	18.5806	18.6946	18.7974	18.4997	30	30	30	30	28	30	30	29
RHOB	P62745	0.000996	0.000205	-0.561593	+	1.56084	-3.07938		14.6444	14.4366	14.4887	14.7826	NaN	15.1802	15.4527	14.9237	2	2	3	2	NaN	2	3	2
MOCOS	Q96N8E	8.51E-05	2.03E-05	-0.560096	+	0.931511	-1.99275		14.4172	14.6977	14.3853	NaN	14.6487	15.5496	14.9823	NaN	6	3	4	NaN	1	7	2	NaN
GANC	Q8TET4	1.17E-06	3.37E-07	-0.558857	+	0.935185	-1.89844		14.7125	14.2575	14.5921	14.4491	15.3436	15.4834	15.0423	NaN	1	1	1	1	1	1	1	NaN
ECD	Q95905;Q	4.49E-09	1.71E-09	-0.558093	+	1.10213	-2.11301		14.603	14.3438	13.8604	15.3189	14.5158	14.6492	14.5707	15.0812	3	6	6	8	4	6	5	7
CDH13	P55290;P9	0.000202	4.58E-05	-0.557665	+	0.609673	-1.28656		14.6085	15.0952	14.9516	14.9501	15.3386	16.5153	15.6905	14.7194	4	4	4	2	2	4	4	3
BC12L1	Q07817;Q	0.000123	2.87E-05	-0.557525	+	2.56991	-4.90689		16.5281	16.3669	16.5282	16.9352	17.2848	16.8125	17.0164	17.1107	3	2	3	3	2	2	3	3
CNT1	Q60563	0.001824	0.000361	-0.557359	+	2.41198	-4.55466		13.8046	13.7919	13.5638	14.2921	14.3525	13.9694	14.4467	14.3264	2	3	3	4	3	3	3	4
IGF1R	P08069	0.001832	0.000362	-0.557218	+	1.22122	-2.42041		14.5169	14.2036	14.3527	14.8802	NaN	14.512	15.4038	14.8639	4	3	5	4	NaN	4	1	2
SLC12A6	Q9UHW9;Q	1.31E-06	3.74E-07	-0.556138	+	1.89689	-3.50946		13.5954	13.6646	13.3079	14.2937	14.1339	13.7312	14.2553	13.9799	4	5	4	4	4	4	5	4
KCTD5	Q9NWX2	3.68E-20	2.74E-19	-0.555136	+	2.36257	-4.44779		15.0548	15.0781	15.0887	15.709	15.7457	15.2718	15.6252	15.7934	3	3	3	3	3	2	3	3
ARL28P	Q9Y2Y0;Q	0.002647	0.000502																					

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
RAB11FIP2	Q7L804;Q	0.00247	5.55E-05	-0.542832		0.892392	-1.76438		15.3076	15.1677	14.9854	15.3657	16.191	15.8125	15.0059	16.1068	2	2	1	2	2	2	1	2
DNM1	P26358	4.29E-15	6.07E-15	-0.541742		0.809726	-1.62645		15.4341	15.3637	15.344	16.4273	15.8046	15.0453	15.9605	16.3741	27	31	27	39	33	26	34	37
FAH	P16930	6.42E-13	4.87E-13	-0.541281	+	2.616	-5.01291		16.4557	16.4027	16.3875	16.9417	17.1658	17.0617	16.9266	16.687	11	10	9	11	10	11	11	12
CISD3	POC7P0	0.00218	0.000424	-0.541133		0.607573	-1.28292		14.2595	14.2611	14.6742	15.9049	14.7424	14.9166	14.5225	14.1097	2	2	2	2	2	2	2	2
FEZ2	Q9UHY8	1.22E-12	8.62E-13	-0.540777	+	1.34021	-2.51349		15.0505	14.5344	14.8107	15.2906	14.8735	15.625	15.2804	15.6271	5	4	4	5	4	6	4	5
TMEM185B	Q9H7F4	0.005998	0.001059	-0.540294	+	1.70384	-3.15151		13.5422	13.4559	13.7458	14.2873	14.011	13.8023	14.0194	14.488	2	2	1	4	3	2	1	3
CEMP	Q8WUJ3	4.20E-15	5.96E-15	-0.539733		0.536631	-1.15859		15.5531	15.6759	15.5515	17.3564	16.1331	16.1139	15.2071	15.8555	40	43	41	51	39	40	37	41
USP22	Q9UPT9;Q	0.002856	0.000536	-0.539571		1.30013	-2.44539		15.1799	15.0722	15.261	15.56	16.0378	15.4216	15.3279	16.1605	2	2	1	2	1	2	2	2
RANBP10	Q6VN20;Q	0.001178	0.00024	-0.537018	+	1.33762	-2.50909		13.6261	13.1953	13.58	14.1722	13.9938	14.2986	13.473	14.0833	2	2	4	2	1	2	2	3
CDCD92	Q53HC0;Q	0.003635	0.000665	-0.536998		0.645231	-1.34793		14.711	14.8857	15.0198	15.8825	15.9285	14.383	15.1176	15.7342	4	7	5	7	5	3	5	6
IDUA	P35475	1.80E-06	5.09E-07	-0.535323		1.06735	-2.0551		15.4896	15.4709	15.4738	15.7273	15.9223	16.3128	16.591	15.5137	12	12	12	13	12	14	14	12
CRYBG3	Q68DQ2	0.003519	0.000645	-0.534726		1.24182	-2.34686		14.4964	14.2927	14.3312	15.0259	15.4552	14.7611	14.435	14.8636	8	8	6	7	5	7	6	6
ARL6	Q9H0F7;Q	0.000306	6.78E-05	-0.534314	+	3.15363	-6.37167		14.7564	14.8952	14.8388	15.1608	15.5024	15.4018	15.438	15.3193	2	3	4	3	2	2	2	3
LASP1	Q14847;Q	1.12E-11	6.42E-12	-0.533	+	3.49634	-7.37382		19.9961	19.8989	19.8472	20.361	20.6201	20.3997	20.3683	20.4863	18	18	19	19	19	18	19	19
ATPSMF	P56134-2;	1.04E-09	4.30E-10	-0.532762		0.662149	-1.37695		16.5729	15.6177	15.9132	16.5483	17.335	15.835	16.3596	16.759	2	2	2	2	2	1	1	2
FHL1	Q13642-1	6.29E-11	3.14E-11	-0.532313		0.570286	-1.21791		18.946	19.0088	18.9581	18.486	20.0168	19.7711	19.0093	20.2331	3	3	3	3	2	3	3	3
SLC8A1	P32418-2	1.01E-09	4.20E-10	-0.532211	+	2.18753	-4.0812		14.8163	14.8396	14.6642	15.015	15.3219	15.4095	15.5685	15.213	6	5	6	6	6	9	8	6
ABLIM3	Q94529-2;	4.21E-14	4.46E-14	-0.53133	+	1.49992	-2.78877		14.7236	14.7685	14.7133	15.4609	15.6308	14.9107	14.9437	15.4063	7	9	7	10	7	5	5	9
DDX21	Q9NR30	3.58E-20	2.68E-19	-0.531039	+	2.11552	-3.93547		16.251	16.3475	16.3082	17.0155	16.6433	16.5466	17.0318	16.9292	33	35	32	38	33	35	35	36
NAP2K3	P46734;P4	4.08E-12	2.55E-12	-0.53044		1.20643	-2.28737		17.2249	17.2742	17.2522	18.3163	17.7338	17.4701	17.3739	18.0104	16	16	16	16	16	16	16	16
NFKB1B	Q15653	0.001242	0.000253	-0.528863		2.4273	-4.5881		14.1215	14.0358	14.5089	14.75	14.6362	14.8508	14.8324	14.7224	3	4	3	3	3	3	3	3
PONGMT1	Q8WZAL;Q	0.001604	0.000321	-0.528256	+	1.9203	-3.55397		15.1995	15.145	14.8701	15.9241	15.4011	15.4282	15.6972	15.5484	3	3	3	3	4	3	4	4
ZGPAT	Q8NSA5-2	1.24E-07	3.96E-08	-0.527532	+	1.66751	-3.08582		14.364	14.2156	14.4207	14.7251	15.1976	14.4663	14.9605	14.9554	2	2	4	2	3	2	2	3
VMA21	Q3ZAO7	2.56E-24	7.58E-23	-0.526198	+	2.05516	-3.81547		17.3654	17.0265	17.2191	17.8541	17.5272	17.4229	17.6809	17.9387	2	2	2	2	2	2	2	2
FMN12	Q96PYS;Q	0.001661	0.000332	-0.525653		1.54056	-3.0384		14.6987	14.3885	14.7191	15.4894	NaN	15.0983	14.9389	14.9843	8	5	8	9	NaN	2	5	4
BSDC1	Q9NW68;Q	8.84E-06	2.33E-06	-0.524282		2.27394	-4.2599		14.6766	14.7365	15.0603	15.1778	15.3154	15.2536	15.4844	15.5152	5	4	5	6	4	6	7	6
SLC39A1	Q9NY26;Q	0.002346	0.000452	-0.524227	+	1.77334	-3.5237		14.4593	14.6772	14.4915	15.1299	NaN	14.8939	14.8748	15.3689	2	2	1	2	NaN	1	1	2
TRAM1	Q15629;Q	1.63E-08	5.78E-09	-0.523963	+	2.69252	-5.19231		17.167	17.077	17.1022	17.6201	17.5223	17.6456	17.9138	17.495	7	7	7	6	6	6	7	6
PSMG4	Q5J554;Q5	2.60E-08	8.98E-09	-0.523731	+	0.748646	-1.52384		15.2377	14.8447	15.1754	15.0443	14.9958	15.8723	15.9026	16.2315	4	4	4	4	3	4	4	4
KIF1C	Q43896	8.18E-05	1.96E-05	-0.523036	+	2.79764	-5.44589		15.0223	15.0715	15.1197	15.8161	15.6066	15.4106	15.6544	15.4834	12	12	14	14	8	14	9	10
TRAFD1	Q14545	0.000416	9.06E-05	-0.522477	+	1.53904	-2.87729		13.6104	13.4962	13.6034	13.5991	14.6994	14.092	14.4269	14.1748	6	9	7	2	7	5	5	5
FZAND3	Q9H8U3	0.006085	0.001072	-0.522344	+	1.812	-3.35013		13.2176	13.4049	12.8937	13.6412	13.8809	13.4661	13.5909	13.8927	2	1	1	1	1	1	1	1
GLA	P06280	0.000713	0.00015	-0.521991	+	1.17596	-2.23628		15.5285	15.7703	15.8281	16.3298	16.4312	16.5774	16.2196	16.4	3	4	2	2	2	196	4	3
MAD2L1	Q13257	8.31E-07	2.44E-07	-0.521695		1.15356	-2.19882		15.4808	15.6112	15.786	16.3765	15.9475	15.5738	16.3308	16.5097	7	6	6	7	7	7	7	7
NMADHC	Q9H3L0	4.12E-08	1.39E-08	-0.521544	+	4.2893	-10.2125		14.4758	14.4412	14.5569	14.9438	15.1106	14.9749	15.0744	14.9605	4	4	3	3	3	4	4	3
RANGAP1	P46060	5.27E-13	4.09E-13	-0.52024		1.18619	-2.25342		16.6819	16.7259	16.715	17.7216	17.1645	16.6671	17.175	17.411	25	25	25	27	25	24	27	27
CLTB	P09497-2	2.44E-22	3.36E-21	-0.520131	+	2.25816	-4.22695		17.3085	17.3442	17.5036	18.0909	17.6925	17.8699	18.1186	17.7559	13	12	12	17	11	13	13	12
ATG12	Q94817	0.005162	0.000921	-0.519297	+	1.85087	-3.42268		15.0254	14.8679	15.0181	15.4154	15.4215	15.5361	15.8743	15.2017	2	3	3	3	1	2	3	2
TRC9	Q8NSM4	1.32E-14	1.62E-14	-0.51912	+	1.4431	-2.69007		16.2362	16.0612	16.6625	16.9718	16.5833	16.6147	16.8828	17.1429	2	3	3	4	2	2	2	3
POLR3B	Q9NW08	0.017361	0.002903	-0.518957		0.839205	-1.67573		14.6079	13.689	14.7673	14.9709	14.3198	15.0892	14.9248	15.0637	2	2	2	4	1	4	5	4
MRP150	Q8NSN7	0.000495	0.000107	-0.518369	+	1.63128	-3.02079		15.8379	15.6988	16.0475	16.1366	16.5065	16.2558	16.2259	16.774	6	6	6	5	7	6	4	6
SH3BP4	Q9PDV3	1.58E-12	1.09E-12	-0.517922	+	4.34207	-10.4318		15.6625	15.6509	15.599	16.0812	16.1435	16.2749	16.1884	16.0889	33	33	33	32	29	33	31	32
GPATCH8	Q9UKJ3	0.000364	7.98E-05	-0.516952		0.766533	-1.55397		14.4033	14.5672	14.6607	14.7112	15.9278	14.7718	15.2834	14.6092	5	4	4	2	1	4	3	4
SYNGR1	Q43759;Q4	8.81E-09	3.22E-09	-0.516892		0.511289	-1.11347		16.0947	15.614	15.8814	15.9559	16.2519	15.4596	17.4158	16.8182	2	2	2	2	1	1	1	2
NUDT15	Q9NV35	4.19E-13	3.36E-13	-0.516758	+	1.8546	-3.42968		13.9098	13.9549	14.248	14.7194	14.6918	14.6611	14.5025	14.1969	5	4	4	4	5	2	4	2
HPSS	Q9UP23	2.35E-10	1.06E-10	-0.516343	+	2.68026	-5.16329		14.5615	14.5326	14.4538	14.8988	15.115	15.0124	15.2661	14.8692	10	8	10	13	9	8	13	7
FAM160B2	Q8GV87	6.94E-19	3.14E-18	-0.516212		1.0174	-1.97208		14.5054	14.6391	14.7128	14.9845	15.902	15.0111	14.8589	14.9201	4	4	3	4	3	3	4	4
TOR1B	Q14657	1.44E-12	1.00E-12	-0.515797	+	1.6891	-3.1248		16.5615	16.5451	16.5456	17.2377	17.0687	16.5946	17.1461	17.2856	8	9	9	9	9	9	9	8
NAT1	P18440	0.001258	0.000256	-0.515449	+	3.54175	-7.51572		15.7586	15.8025	15.88	16.1547	16.4353	16.3301	16.3891	16.3368	3	2	3	2	2	3	4	3
SERPINF8	P50452	7.31E-20	4.73E-19	-0.515349	+	2.29817	-4.3108		17.5777	17.636	17.6215	18.0315	18.0716	18.2735	18.3797	17.8791	15	15	15	16	12	17	15	

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
CDK7	P50613	3.34E-06	9.20E-07	-0.502532	+	3.13851	-6.33009		15.9628	15.8501	15.8216	16.4264	16.5019	16.1821	16.3574	16.4355	4	4	5	5	5	4	4	4
CDK4	P11802	4.21E-13	3.37E-13	-0.501464	+	2.05691	-3.8189		18.2165	18.209	18.2452	18.8545	18.6686	18.3729	18.9368	18.7922	12	12	11	12	11	11	11	11
C7orf25	Q9BPX7	0.000223	5.03E-05	-0.500968	+	2.64673	-5.08446		15.0065	15.1287	15.003	15.5902	15.6077	15.3297	15.4628	15.7448	3	4	3	3	2	3	3	2
ZMAT7	Q96NC0	0.002719	0.000514	-0.499972	+	0.575408	-1.22688		13.7745	14.0104	14.1945	13.8989	15.6281	14.457	14.3107	14.1708	2	2	2	2	1	2	1	1
ERGIC1	Q969X5	3.52E-07	1.08E-07	-0.499594	+	2.93	-5.77756		18.665	18.7464	18.6605	19.3725	19.2918	19.074	19.0418	19.1711	9	9	9	9	9	9	8	9
TMEM189	ASPLL7.A5	0.000171	3.93E-05	-0.499478	+	1.12441	-2.15014		13.8201	13.7312	13.854	14.3325	13.9424	14.9035	14.3496	13.9783	1	1	1	1	1	2	1	1
PRDX5	P30044-2	1.73E-05	4.43E-06	-0.498608	+	1.027	-1.98803		20.0312	19.732	20.2179	19.9194	20.5015	20.4629	20.992	20.5855	11	11	11	11	12	12	12	12
SNRPD1	P17405.P1	2.90E-05	7.25E-06	-0.498428	+	2.16811	-4.0416		16.5395	16.5708	16.5745	17.212	16.8103	16.8598	17.2233	17.1948	9	9	10	9	10	9	10	9
UBQLN1	Q9UMX0.Q	1.13E-17	3.54E-17	-0.498392	+	2.51787	-4.78897		18.0274	17.8461	18.1925	18.3222	18.6548	18.4961	18.5629	18.5659	9	9	9	9	9	10	10	9
CUL4B	Q13620.Q	2.29E-13	1.97E-13	-0.497928	+	1.14166	-2.17893		14.1466	16.9717	16.9489	16.9576	17.5788	17.3095	17.9864	17.3165	41	42	40	41	37	40	44	39
DUSP11	O75319	0.00043	9.93E-05	-0.497314	+	0.524177	-1.13647		14.1433	13.8848	14.1026	14.4109	13.9799	13.9902	15.7575	14.5659	2	2	2	2	1	1	2	1
ISCA1	Q9BU66.Q8	0.000104	2.45E-05	-0.496254	+	3.48112	-7.32676		13.9617	14.0084	14.0435	14.4349	14.4345	14.4737	14.6946	14.4661	2	2	1	2	2	2	2	1
UBL4A	P11441	1.38E-06	3.94E-07	-0.495962	+	0.825891	-1.65349		15.3144	14.8206	15.5505	15.8206	15.9247	14.9844	15.8064	16.0862	6	3	5	6	5	4	4	7
SAAL1	Q96ER3	0.000506	0.000109	-0.495953	+	0.807819	-1.62325		14.5967	14.3493	14.465	14.6684	15.5297	14.277	15.0224	15.3339	2	2	2	2	2	2	2	2
NUB0AT7	Q96N66	2.12E-05	5.39E-06	-0.49568	+	1.2504	-2.36133		17.6068	17.5307	17.5583	18.2425	17.9521	17.4955	18.3654	18.2492	10	9	10	10	10	10	10	10
BUD13	Q9BRD0	0.020746	0.003449	-0.495169	+	0.284472	-0.68412		14.5864	14.6171	14.4019	14.8823	16.3874	13.3066	15.9583	14.6171	3	2	2	2	1	1	1	1
PPH1L1	Q8NEV8-2	2.10E-07	6.58E-08	-0.495134	+	0.878763	-1.74169		14.9419	14.8628	14.964	15.1476	15.8665	15.8408	14.7501	15.4852	4	4	4	3	4	2	2	3
TCIRG1	Q13488	1.42E-16	3.22E-16	-0.494081	+	4.28107	-10.1787		17.0125	17.1112	17.078	17.4345	17.6095	17.5828	17.6119	17.5679	18	18	18	18	18	18	18	18
MP21	Q95297.O4	3.56E-06	9.78E-07	-0.493554	+	1.15729	-2.20504		16.6719	16.5696	16.5755	17.7297	16.8047	16.8741	16.9545	17.1332	6	6	6	6	5	6	6	6
TMEM131	Q92545	1.75E-11	9.71E-12	-0.492332	+	1.45865	-2.71699		14.951	15.075	14.9324	15.0007	15.8053	15.4553	15.6232	15.5078	7	4	7	7	5	6	6	6
ACOT11	Q8W4X4.Q	0.002921	0.000546	-0.491776	+	1.66482	-3.08097		14.3865	14.2942	14.376	14.9707	14.6018	14.8225	14.5988	15.2264	2	2	1	2	1	2	1	2
IFIT1	Q14879	2.90E-14	3.21E-14	-0.491173	+	1.62869	-3.01617		17.7659	15.9841	16.1101	16.2802	16.7377	16.2054	16.3244	16.6755	7	6	6	6	4	5	7	8
AMOTL2	Q9YJ4.H	5.42E-08	1.80E-08	-0.49039	+	1.69845	-3.14172		13.1487	13.4666	13.1609	13.3698	13.8946	13.9153	13.8675	13.6983	3	4	4	4	3	2	4	4
ZFP36L1	P47574	2.07E-10	9.47E-11	-0.489682	+	1.03051	-1.99386		15.6378	15.6985	15.6472	16.5778	16.3043	15.7475	15.6801	16.4446	2	2	3	3	2	2	2	2
PDZD12	Q5EBL8.Q	8.10E-07	2.38E-07	-0.489639	+	1.38273	-2.58615		14.7497	14.5042	15.0015	15.0489	15.3249	14.8871	15.4367	15.5096	3	4	4	3	3	3	4	3
CSTB	P04080	2.95E-06	8.16E-07	-0.489019	+	1.3256	-2.48863		19.9908	19.6581	20.1188	20.211	20.4283	20.0494	20.7016	20.6676	5	5	5	5	5	5	5	5
MAGTAB8	Q9UQ53.Q	3.03E-12	1.95E-12	-0.488832	+	2.51654	-4.78598		15.0322	15.0861	15.0565	15.7702	15.6568	15.3391	15.4459	15.5236	4	5	4	8	4	6	6	7
CMQ1	P30085	3.20E-10	1.41E-10	-0.488653	+	3.09734	-6.21793		19.0576	19.0832	19.0257	19.3999	19.4581	19.5	19.6784	19.6843	12	12	12	12	12	12	12	13
NNO2	P16083	2.51E-09	9.84E-10	-0.488127	+	0.835271	-1.33079		15.8419	15.8531	15.8085	16.1212	17.0881	16.6928	16.2508	15.4602	6	6	6	6	7	8	8	4
RASSF8	Q8NHQ8.Q	0.003364	0.000619	-0.487908	+	2.32317	-4.36388		13.9979	13.9676	13.9068	14.7258	14.3142	14.5376	14.287	14.3623	5	5	5	4	6	4	6	6
WDR44	Q5JSH3	2.74E-12	1.78E-12	-0.487346	+	2.53275	-4.8225		15.1094	15.0797	15.1297	15.8732	15.4413	15.5068	15.5294	15.6175	28	31	30	32	27	29	32	29
TMEM55	Q9BX54	1.02E-08	3.71E-09	-0.486795	+	0.610578	-1.28813		15.5827	15.7098	15.7859	16.9358	15.4266	15.6331	16.4335	16.4689	6	6	5	7	5	6	6	6
GMBF9	P60983	0.000393	8.59E-05	-0.48645	+	1.54709	-2.87145		17.0158	16.8881	17.2895	17.6748	17.6615	17.1181	17.0043	17.6958	7	6	6	7	8	7	7	8
GG3A	Q9NZ52.Q8	1.40E-15	2.30E-15	-0.485291	+	1.5152	-2.81549		14.3249	14.313	14.3112	14.8894	15.2512	14.4998	14.6315	14.7363	6	7	6	6	5	5	6	7
ITPA	Q9BY32	4.65E-13	3.67E-13	-0.485134	+	0.512316	-1.11531		16.1922	16.9778	16.0593	15.2911	16.66	16.9743	16.8342	17.0481	5	5	6	5	5	6	6	6
TMEM65	Q6P178	6.80E-19	3.09E-18	-0.484374	+	1.39258	-2.60303		16.0231	16.1372	15.9475	16.8669	16.2851	16.6762	16.126	16.6472	5	5	6	6	5	6	5	6
ENTPD5	O75356	0.002051	0.000401	-0.484032	+	1.46513	-2.72824		13.777	13.9993	13.7633	14.2035	14.5514	14.2522	14.6749	13.9709	5	4	5	4	3	3	2	3
UBL7	Q96S82	0.005337	0.00095	-0.484005	+	0.653224	-1.39359		15.5121	NaN	15.2374	15.4687	15.2673	16.2062	16.165	16.1865	3	NaN	3	3	3	5	5	4
MACROH2A2	Q9PDM6	9.34E-07	2.73E-07	-0.483954	+	1.553	-2.88186		17.1452	17.1303	17.203	17.563	17.6382	18.0125	17.7583	17.2454	8	8	10	8	9	12	12	8
PIN4	Q9Y237.Q8	2.54E-21	2.72E-20	-0.483043	+	1.49489	-2.77999		16.1204	16.0331	16.1005	16.181	16.8925	16.7966	16.4002	16.568	5	5	5	5	3	5	5	5
DIEXF	Q68CQ4	0.000185	4.22E-05	-0.482574	+	2.13225	-3.96907		14.9081	15.1877	15.0123	15.5912	15.6191	15.2339	15.6833	15.4654	8	9	11	11	9	8	10	9
LRCH2	Q5VIU6.Q8	0.000179	4.09E-05	-0.481885	+	0.732829	-1.48192		14.3315	14.0739	14.116	15.3174	14.7768	14.4323	13.8798	14.8723	4	2	3	4	4	3	3	3
KEAP1	Q14145	3.26E-08	1.11E-08	-0.481186	+	1.57946	-2.92859		14.652	14.376	14.5254	15.0511	15.3331	14.5539	15.0472	15.2097	7	9	10	11	9	8	9	9
SYDE1	Q6ZW31	8.86E-05	2.11E-05	-0.479785	+	1.64055	-3.03739		15.2073	15.2945	15.2729	15.6897	16.0679	15.4052	15.6003	15.9269	12	11	10	11	9	9	9	11
GABARAP12	P60520	4.99E-10	2.15E-10	-0.478025	+	1.6984	-3.14164		16.5585	16.4836	16.6109	17.4013	16.9082	16.7438	16.9534	17.1385	7	6	6	7	7	7	7	6
BORCS6	Q96GS4	0.000702	0.000405	-0.477792	+	2.05441	-3.81399		14.9376	14.8891	15.2712	15.3425	15.385	15.5023	15.6786	15.6436	3	3	6	5	3	6	5	6
ALDH1A3	P47895	2.56E-24	7.58E-23	-0.476982	+	0.20571	-0.51843		14.9949	15.0697	15.2055	17.5339	15.5577	16.5293	13.6362	14.5781	4	5	2	23	18	22	4	5
GID4	Q8IVV7	1.94E-09	7.71E-10	-0.476609	+	0.984008	-1.91662		13.8986	13.8156	13.1717	13.8562	14.5144	13.7638	14.1045	14.2872	2	2	2	1	2	1	1	2
SLC44A2	Q8IWAS.Q	7.78E-10	3.26E-10	-0.474714	+	1.14399	-2.18283		16.8254	16.6828	16.7513	16.8801	17.1165	17.0068	17.8007	17.3352	10	8	11	8	9	10	9	9
LMBRD1	Q9NUN5.Q	0.002789	0.000525	-0.473457	+	0.832479	-1.6645		14.8853	14.7865	14.8382	15.3751	15.7174	14.8154	15.8164	14.8262	2	2	2	2				

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
LYPLA2	Q95372	6.19E-13	4.72E-13	-0.463426	+	1.9707	-3.65067		15.6491	15.3589	15.7671	15.9545	15.9261	15.9995	16.1083	16.2967	7	7	7	7	8	7	8	8
EXTL3	Q43909	0.001872	0.000369	-0.462982	+	1.13838	-2.17346		14.497	14.85	14.681	14.9512	15.1801	14.6815	15.5397	15.3424	1	2	2	2	1	1	2	2
RIPOR1	Q6Z517.Q6	4.02E-11	2.07E-11	-0.462982	+	2.07705	-3.85875		15.4367	15.5049	15.4867	16.1132	15.9678	15.6484	15.8417	16.1244	21	22	20	24	23	20	26	24
CASOR2	A6NHX0	0.002206	0.000428	-0.462524	+	1.4338	-2.67399		15.4107	15.404	15.2427	15.8693	16.1613	15.466	15.5989	15.9796	6	7	7	7	7	6	6	7
HSPB8	Q9UIJ1	8.18E-13	6.02E-13	-0.461162	+	1.10658	-2.12042		16.3599	16.2885	16.4662	16.6947	16.4362	17.3532	16.6542	17.0251	6	7	9	8	6	6	6	8
NEXN	Q0ZGT2	6.42E-18	2.21E-17	-0.45976	+	0.721482	-1.47795		15.6995	15.7252	15.7757	16.5851	15.3006	16.371	16.5145	16.1848	21	22	21	26	19	24	26	25
CCPG1	Q9ULG6.Q	6.41E-19	2.96E-18	-0.459423	+	1.15347	-2.19867		14.2702	14.2577	14.298	14.5719	14.3712	14.6285	15.2963	14.8058	6	6	7	8	4	7	11	8
LAMP2	P13473	0.001151	0.000236	-0.459237	+	1.30041	-2.44586		19.7558	19.8873	19.972	20.1621	20.0936	20.4419	20.8193	20.1379	8	8	7	8	8	7	7	8
NCEH1	Q6PIU2	2.47E-06	6.89E-07	-0.458493	+	0.927486	-1.82273		17.2133	17.1221	17.1601	17.8648	18.1611	17.1589	17.2483	17.6852	14	15	15	15	14	13	13	14
CHMP2B	Q9UQN3	1.02E-14	1.29E-14	-0.458308	+	1.09763	-2.1055		16.383	16.0584	16.241	17.1877	16.4384	16.7264	16.2915	16.7848	3	4	2	2	3	4	2	4
COMM5D	Q9GZQ3	1.87E-07	5.89E-08	-0.458179	+	1.08617	-2.08643		15.8187	15.5966	15.9981	15.8451	16.2303	16.0541	16.7059	16.4778	8	7	8	8	8	8	8	8
RPSA	P08865	6.87E-12	4.13E-12	-0.457691	+	2.77417	-5.38854		21.1257	20.9721	21.2921	21.4493	21.5619	21.6702	21.6304	21.6266	14	14	14	14	13	14	14	14
SEPTIN10	Q9PDV9.Q8	4.55E-20	3.20E-19	-0.457184	+	1.15334	-2.19844		14.9804	14.9295	14.9077	15.9624	15.0979	15.1275	15.3655	15.4285	8	9	8	9	6	9	9	9
MTRR	Q9UBK8.Q	1.64E-12	1.12E-12	-0.457084	+	1.47786	-2.75033		14.1558	14.1044	14.0864	14.8064	14.4629	14.1616	14.5911	14.8412	5	8	5	9	5	6	5	5
TAX1BP1	Q8GVP1.Q8	6.21E-09	2.32E-09	-0.456859	+	1.55021	-2.87693		15.1315	15.1787	15.1873	16.0642	15.4234	15.4146	15.5648	15.6463	9	11	11	13	7	9	11	12
FAIM	Q9NVQ4	0.000109	2.56E-05	-0.456799	+	3.3451	-6.91704		15.2834	15.2998	15.2521	15.7351	15.5966	15.6744	15.7869	15.8841	2	2	3	2	2	2	2	2
CLPTM1	Q96005.Q	9.29E-09	3.39E-09	-0.456684	+	2.31371	-4.34363		16.5422	16.5147	16.4844	17.1717	16.9341	16.6977	17.0061	17.0428	11	12	11	12	12	11	11	11
BIN3	Q9NQV0	4.04E-06	1.10E-06	-0.456026	+	1.25904	-2.37589		15.5287	15.5546	15.4909	16.3172	16.7394	15.5385	15.8222	15.9023	6	5	5	7	6	6	6	6
FZD6	Q60353.Q	0.004467	0.000805	-0.455948	+	0.767567	-1.55571		14.4457	14.7167	14.7036	15.4903	14.9832	14.639	14.6187	15.6585	2	2	3	4	3	3	4	4
RUF1	Q5UIP0.Q5	0.002101	0.00041	-0.455886	+	0.72297	-1.48047		13.774	14.2288	13.9601	14.8126	14.6534	14.0279	13.8161	14.9077	2	4	2	4	1	1	4	5
TBMIM1	Q96QX1	9.87E-06	2.59E-06	-0.455476	+	1.31287	-2.467		17.843	18.0419	17.9282	18.8041	18.2773	18.1975	18.6062	18.0807	2	2	2	2	2	2	2	2
PTAR1	Q7ZBK3	4.62E-11	2.36E-11	-0.45464	+	3.10576	-6.24074		15.0791	15.1444	15.1276	15.6302	15.6542	15.3837	15.6684	15.5219	6	6	9	7	6	6	7	7
CTDNGA5	Q9YSG8	2.41E-08	8.34E-09	-0.454566	+	1.31179	-2.46516		16.0148	15.9192	16.0788	16.5955	16.755	15.968	16.3864	16.5893	2	3	4	4	4	4	5	4
HEATR5A	Q86XAP	2.56E-24	7.58E-23	-0.454486	+	1.00039	-1.94383		14.703	14.6542	14.6845	14.6482	15.0043	15.4687	15.5996	14.9545	18	19	23	23	15	27	26	19
UTP4	Q969X6	5.82E-10	2.48E-10	-0.454112	+	2.38345	-4.49276		15.4018	15.2533	15.3273	15.8247	15.8829	15.5135	15.765	15.9218	10	9	11	10	10	11	12	10
PHYH	Q14832	4.66E-08	1.56E-08	-0.453869	+	0.580196	-1.23525		14.542	15.2891	14.3153	14.9736	15.4235	14.4106	15.714	15.3251	4	2	3	2	4	1	3	4
FHL1	Q13642	1.44E-13	1.31E-13	-0.453578	+	0.466299	-1.03228		16.5936	18.6626	18.6242	18.0517	19.5726	19.3506	18.9668	19.8302	14	13	14	13	14	15	12	15
ITPRID2	P28290.P2	1.38E-06	3.94E-07	-0.4533	+	2.42719	-4.58786		15.052	15.1492	15.2017	15.7152	15.6404	15.3597	15.7257	15.4969	11	7	4	10	7	4	12	9
SGSH	P51688	3.01E-11	1.59E-11	-0.452609	+	2.0864	-3.87734		16.8062	16.7607	16.8248	16.9669	16.7206	17.5135	16.7276	17.5135	15	14	14	14	15	14	13	14
ZFAND6	Q6FIF0.Q6	2.61E-11	1.40E-11	-0.452444	+	0.787729	-1.58958		14.8009	14.9491	14.512	15.7023	15.3451	14.4757	15.1878	15.3211	2	2	2	3	2	2	2	2
ALPK2	Q86TB3	0.00349	0.00064	-0.452283	+	0.521378	-1.15299		13.3451	12.5532	13.3457	13.2541	NaN	14.0949	12.9092	13.8763	2	2	1	2	NaN	1	5	1
MIRGPR	Q9EAM1	2.00E-06	5.63E-07	-0.451722	+	1.15872	-2.20744		17.0717	17.0033	16.8814	17.5421	17.6913	16.8579	17.4546	17.6398	2	2	2	2	2	2	2	2
Q9P2J3	Q9P2J3	8.92E-12	5.23E-12	-0.45042	+	1.86097	-3.44165		14.5827	14.5659	14.4896	15.2654	15.0397	14.6704	14.9437	15.0631	6	6	5	6	4	3	3	3
STBD1	Q95210	1.05E-14	1.32E-14	-0.449884	+	1.1175	-2.13863		15.4599	15.5494	15.4627	16.485	15.7841	15.7175	15.6253	16.091	7	9	7	10	7	8	8	8
FCHSD1	Q86WN1	0.000218	4.93E-05	-0.449763	+	1.21804	-2.30686		15.0484	15.0359	15.0889	15.5269	15.9869	15.2715	15.1463	15.6059	5	5	6	5	5	3	5	5
SLC33A1	Q00400	2.48E-13	2.12E-13	-0.449099	+	3.61134	-7.73757		15.9393	16.0299	15.9296	16.4088	16.3124	16.4234	16.5554	16.3768	8	7	8	9	6	8	10	8
GLMP	Q8WVW87	5.69E-07	1.70E-07	-0.448609	+	1.87171	-3.46186		17.579	17.9552	17.9004	18.1439	18.2387	18.3357	18.1325	18.3325	3	3	3	3	3	3	3	3
DCTN5	Q9BTE1.Q8	1.74E-07	5.50E-08	-0.448433	+	3.58431	-7.65076		14.7774	14.7619	14.7098	15.1394	15.1826	15.0991	15.3465	15.2233	2	2	2	1	2	1	1	1
CNCK	Q75909.Q	0.00042	9.14E-05	-0.448092	+	2.4201	-4.57236		14.1366	14.0656	14.2392	14.3968	14.6844	14.4674	14.7366	14.6909	4	5	4	5	4	4	5	5
NFAT5	Q94916.Q9	3.42E-07	1.05E-07	-0.447253	+	1.35763	-2.54321		13.9698	14.0003	13.9227	14.4517	14.6351	13.9851	14.7145	14.2713	6	6	6	6	6	5	6	4
SLCA2A2	P04920.P0	1.50E-10	7.00E-11	-0.446938	+	1.51876	-2.82171		14.5361	14.2166	14.3645	14.9916	14.5883	14.6076	15.1371	14.772	3	5	4	7	2	3	5	7
MID1	Q15344	7.78E-14	7.66E-14	-0.446438	+	1.36812	-2.56114		15.0681	14.9909	14.9208	15.2268	15.9115	15.4932	15.3593	15.2079	8	6	4	5	4	5	7	4
SGK3	Q96BR1.Q9	6.63E-11	3.29E-11	-0.446417	+	0.925032	-1.81866		14.0879	13.9579	14.091	14.3582	15.02	13.9279	14.4412	14.7129	3	3	3	3	3	3	3	3
WASHC3	Q9Y3C0	1.17E-09	4.82E-10	-0.446075	+	1.1483	-2.19003		15.9662	15.7823	16.1913	16.1214	16.1798	16.8839	16.5692	16.4258	5	5	5	5	3	5	5	5
AKAP13	Q12802	1.21E-09	4.96E-10	-0.445586	+	2.03499	-3.77578		14.9285	14.9047	14.8731	15.3048	15.6095	15.0667	15.4227	15.3347	20	20	23	21	16	21	21	20
UCKL1	Q9NNW25	8.46E-05	2.02E-05	-0.445426	+	2.81235	-5.48205		15.1928	15.4129	15.3547	15.7918	15.9334	15.6462	15.694	15.7625	7	7	6	6	6	6	6	7
FAM20B	Q75063	2.58E-10	1.16E-10	-0.445062	+	4.07988	-9.38266		15.5365	15.5932	15.5917	16.091	15.9027	15.983	16.0531	16.0645	6	6	8	6	6	6	7	8
CALU	Q43852-2	5.81E-13	4.47E-13	-0.444664	+	0.5845	-1.24277		16.8967	16.9158	16.9434	17.1284	16.439	17.982	17.6145	17.6527	3	3	3	3	3	3	4	3
TXN	P10599	1.22E-06	3.52E-07	-0.443659	+	1.68307	-3.11389		20.3985	20.4974	20.4052	20.9658	20.5948	20.7444	21.2189	20.8628	7	7	7	7	8	8	8	8
TVP23C;TVP23B	Q96ET8-3	0.017875	0.002987	-0.44362	+	0.586465	-1.2462		13.9172	14.397	15.1047	14.9242	15.0826	14.4838	15.5274	14.5649	1	2	1					

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control 1	Log2 MS2_quantity_ Control 2	Log2 MS2_quantity_ Control 3	Log2 MS2_quantity_ Control 4	Log2 MS2_quantity_ Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
MCEE	Q96PE7	0.000455	9.83E-05	-0.431713	+	1.56599	-2.90477		15.8836	15.8866	16.026	15.9797	16.5581	16.562	16.2865	16.4325	2	3	3	2	2	3	3	3
CALD1	Q05682;Q	1.60E-15	2.58E-15	-0.431563		1.15738	-2.20521		19.4033	19.407	19.4332	19.3341	19.9485	20.0474	20.1688	19.7316	56	56	59	56	56	60	59	59
UBAC2	Q8NBMA	0.001168	0.000239	-0.430786	+	1.67957	-3.10757		15.6527	15.5013	15.6155	15.9556	16.3339	15.7145	15.9947	16.1044	4	5	4	2	2	3	4	3
SCAMP4	Q969E2;Q	0.003333	0.000614	-0.430691		0.739975	-1.50921		16.9065	17.4564	17.2969	17.7427	17.7551	18.2234	17.0286	16.1044	3	3	3	3	3	3	4	3
LSM3	P62310	8.02E-11	3.91E-11	-0.430657		0.603909	-1.27656		17.7353	17.0503	17.8168	17.659	17.6116	17.7386	18.0435	18.7712	2	2	2	2	2	2	2	2
FBX12	Q9NXX8;Q	0.001149	0.000235	-0.430504		0.630192	-1.35197		14.197	13.9574	14.0876	15.0041	14.5569	NaN	13.7674	14.7165	3	3	4	4	2	3	NaN	1
VIM	P08670	4.37E-14	4.60E-14	-0.43042	+	1.58159	-2.93236		25.0979	25.1242	25.0882	25.3995	25.9491	25.5352	25.3174	25.468	70	71	71	71	71	71	72	72
NEK3	P51956;P	0.001791	0.000355	-0.430266		1.04148	-2.0121		13.2124	13.4301	13.2145	13.5037	13.966	13.2598	13.7249	14.1252	3	4	4	3	2	3	2	3
FBXO28	Q9NVF7	0.000819	0.000171	-0.430127		0.777625	-1.57262		14.019	13.7973	14.0103	14.4238	14.8516	13.6278	14.4948	14.4636	3	3	2	3	4	1	5	4
ITPAL	Q9BTX7	6.86E-17	1.71E-16	-0.429957	+	1.88536	-3.48762		15.1538	15.1142	15.0446	15.8049	15.4504	15.4048	15.3235	15.6872	8	7	7	7	7	7	7	7
RIPK3	Q9V572	0.015247	0.002565	-0.429944		0.380088	-0.88479		14.5734	14.3343	14.64	15.4541	NaN	13.7806	15.0094	15.5392	3	2	2	3	NaN	1	2	2
ITC17	Q96AE7	2.57E-10	1.16E-10	-0.429814	+	1.40205	-2.6193		14.528	14.3284	14.464	14.5161	14.9439	14.8879	15.2427	14.7593	5	5	5	3	4	2	5	5
MAP2K1	Q02750	9.62E-13	6.99E-13	-0.428903	+	2.34429	-4.40865		17.2071	17.2519	17.218	17.8994	17.7143	17.4769	17.5572	17.6252	17	15	16	15	15	14	14	15
ITGA6	P23229-2	1.87E-12	1.26E-12	-0.428433		0.345524	-0.80541		15.9804	15.9696	15.9558	17.7856	16.3602	15.3063	16.1445	16.3884	21	24	22	27	23	22	23	23
ZYK	Q15942	3.69E-11	1.92E-11	-0.428309		1.44663	-2.69617		19.4088	19.4135	19.4586	20.1689	19.9504	19.8017	19.4442	19.9112	25	26	26	26	25	26	26	26
PCDHGC3	Q9UN70	0.002674	0.000506	-0.428201		0.734015	-1.49915		15.9082	15.7723	15.7224	16.7065	16.4713	15.5853	15.8789	16.504	4	3	3	3	3	3	3	3
DSP	P15924	5.87E-15	7.91E-15	-0.428164		0.81149	-1.6294		16.1371	16.1576	16.2243	16.7813	17.2287	16.44	16.0418	16.514	129	130	132	137	135	127	118	130
FBXW11	Q9UKB1;Q	4.04E-06	1.10E-06	-0.427306		1.21074	-2.2946		14.8357	14.5848	14.7957	15.3865	15.4683	14.7058	15.139	15.1305	8	5	4	8	4	7	8	6
MTG1	Q9BT17	0.003121	0.000579	-0.427152		0.813361	-1.75737		13.824	14.014	13.4218	NaN	14.8603	14.2138	NaN	14.3671	2	2	2	NaN	1	1	NaN	1
STOML1	Q9UBA;Q	1.74E-05	4.47E-06	-0.427044		1.17563	-2.3573		15.1616	15.2921	15.3543	15.9431	15.8109	15.1559	15.7192	15.7192	4	4	3	4	2	4	2	5
SLC35A16	P16260	0.003379	0.000457	-0.426781		2.26624	-4.2438		14.9245	14.9445	14.813	15.2704	15.0833	15.3226	15.5065	15.422	5	6	5	5	4	4	4	6
FOXRED1	Q9C9C;Q	0.003322	0.000612	-0.426483		1.71163	-3.16565		13.7509	13.9313	13.9231	13.9494	14.3933	14.5137	14.3624	14.2375	3	3	2	2	2	3	3	3
CASP14	P31944	7.85E-09	2.89E-09	-0.426456		0.351576	-0.81716		13.2193	14.1193	14.1955	15.0393	14.2578	12.8253	13.9531	14.1208	5	3	3	5	9	6	3	4
ITGA5	P08648	2.45E-14	2.77E-14	-0.42632	+	1.35301	-2.5352		17.6186	17.6575	17.6626	18.5011	17.8102	17.8506	18.0121	18.1804	18	19	18	18	18	18	18	18
DDP3	Q9NY33	8.95E-14	8.66E-14	-0.426191		3.31621	-6.83244		17.3534	17.3245	17.3228	17.6689	17.7677	17.6357	17.8463	17.7803	22	22	22	22	23	23	23	23
LRP10	Q7Z4F1	5.89E-07	1.76E-07	-0.425747		0.624536	-1.31228		17.0347	16.9797	16.9605	18.077	17.1824	16.6554	17.4229	17.7493	6	6	6	6	6	6	6	6
CYBSR1	Q8UHO9	7.04E-09	2.61E-09	-0.425668	+	1.9346	-3.58128		17.1444	17.1833	17.2332	17.4861	17.5371	17.4994	17.9583	17.5822	14	15	13	15	15	14	14	15
PCN3	Q9H6A9	0.000393	8.59E-05	-0.425604		1.07264	-2.06391		13.495	13.6188	13.5314	14.2025	14.1725	13.3906	13.938	14.1664	4	3	2	3	3	1	4	2
KDEL1R	P24390;P	9.61E-08	3.11E-08	-0.42542		0.933249	-1.83231		18.875	18.6816	18.9932	18.8624	19.0509	19.3241	19.8529	19.2866	2	2	2	2	2	2	2	2
DOCK3	Q9H7D0	5.83E-16	1.05E-15	-0.425258		1.23052	-2.32785		15.4689	15.498	15.485	15.8518	15.9502	15.4996	16.3584	15.8863	39	45	42	39	36	39	43	36
RICK3D	Q00329	2.67E-06	7.41E-07	-0.425045		1.28355	-2.41731		13.7318	13.7152	13.82	14.496	14.1609	14.3959	14.1055	13.7452	4	2	2	2	3	2	2	2
RTN4	Q9NQC3	9.24E-11	4.46E-11	-0.424031		0.730244	-1.49277		20.1664	20.2205	20.2662	21.0878	20.6155	19.847	20.8538	20.8046	15	13	16	17	10	13	15	15
HELZ	P42694	3.43E-11	1.80E-11	-0.423889	+	3.02409	-6.02218		14.4576	14.3693	14.5199	14.7105	14.9808	14.9399	14.8373	14.8956	9	11	6	9	7	10	9	6
CSPG4	Q6UNK1	1.75E-10	8.12E-11	-0.423495		0.758574	-1.54058		15.6661	16.4498	16.2764	16.9348	17.4635	16.2758	16.5875	17.0096	17	17	18	21	18	12	16	18
NUF2	Q9BZD4	0.000144	3.35E-05	-0.423035		1.20264	-2.281		13.9563	14.0551	14.0677	14.5054	14.1992	14.1167	14.5508	14.8899	6	6	6	5	4	2	6	5
DIABLO	Q9NR28;Q	6.20E-16	1.12E-15	-0.422959		0.477879	-1.05332		15.2124	14.5907	16.1478	15.8928	15.3174	15.4055	15.8311	16.253	8	8	7	7	7	7	8	8
EPG5	Q9HCE0	2.56E-24	7.58E-23	-0.422831	+	2.37118	-4.46631		15.233	15.3945	15.3779	16.056	15.687	15.6866	15.8101	15.7117	52	50	46	56	41	51	46	51
DLC1	Q96QB1-6	0.000475	0.000103	-0.422673	+	1.94871	-3.60832		14.5483	14.5099	14.5395	14.658	14.9286	15.2034	14.9896	14.9966	8	6	7	10	7	10	10	10
PRKAB2	Q43741	0.000686	0.000145	-0.422622	+	1.35157	-2.53288		15.0532	14.9511	14.8525	14.947	15.5978	15.6097	15.4084	15.3115	7	7	8	7	7	6	7	6
CLMP	Q9H6B4	1.81E-09	7.23E-10	-0.422605		0.962207	-1.88042		15.3793	15.6021	15.6286	16.5636	15.6362	15.8665	15.7332	15.9969	9	10	9	9	8	8	8	9
TMEM70	Q9BLU7	1.15E-06	3.31E-07	-0.422514	+	1.78941	-3.30825		15.2607	15.5819	15.5758	16.0597	15.961	15.6183	15.977	15.8605	4	4	4	4	1	4	3	4
CXorf56	Q9HVS9;Q	0.001056	0.000217	-0.422049	+	1.44344	-3.10571		13.1004	12.9921	13.3207	13.417	13.741	NaN	NaN	13.5214	2	2	2	2	1	NaN	NaN	2
MDC1	Q14676;Q	2.45E-08	8.48E-09	-0.422023		0.928896	-1.82508		14.0461	13.8618	14.0481	14.6613	14.3283	13.8647	14.3212	14.8612	6	6	7	8	5	6	7	6
BMP1R1A	P36894	5.56E-14	5.69E-14	-0.421868		0.664689	-1.3813		13.9509	13.8887	13.7364	14.8279	14.3447	13.5102	14.1199	14.6	2	1	3	3	2	1	1	1
PBX14	Q75381;Q	4.41E-14	4.64E-14	-0.421859	+	2.61654	-5.01417		15.8154	15.8592	16.0284	16.4175	16.3056	16.1281	16.3923	16.3708	7	7	8	8	8	8	8	8
KLC2	Q9H0B6	9.46E-13	6.90E-13	-0.421727	+	1.72203	-3.18458		16.362	16.4382	16.3742	16.8539	16.8971	16.5223	17.1047	16.6879	13	12	9	13	10	11	12	11
AP152	P56377	1.02E-09	4.21E-10	-0.421446	+	1.31628	-2.47279		17.6729	17.6795	17.6204	18.3916	18.1497	17.6256	18.1977	18.0305	6	6	6	6	6	6	6	6
GSTT1	P30711	1.06E-06	3.07E-07	-0.421012		0.571596	-1.2202		15.593	15.5346	15.7525	16.1805	15.6698	15.266	16.6477	16.4747	9	6	8	9	5	4	9	10
TMOD2	Q9NZR1	1.01E-05	2.65E-06	-0.420832		0.806442	-1.62095		15.7935	15.8145	15.7737	16.7188	16.3084	15.9239	15.6353	16.4873	8	8	9	10	8	9	8	9
PSMF1	Q92530	1.61E-07	5.11E-08	-0.420632		1.14099	-2.17782		16.2082	15.9119	16.6792	16.6003	16.8465	16.6099	16.4876	16.8909	7	5	7	8	7	8		

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
PRIM1	P49642	1.51E-05	3.90E-06	-0.411767		0.371649	-0.85579		13.569	13.6143	13.6403	14.3949	14.4485	12.5861	14.2243	14.4443	1	2	2	3	2	1	2	3
SPG12A	Q8TC18	0.000296	6.58E-05	-0.411592		1.0917	-2.09562		18.0767	17.9864	18.1057	18.3043	18.184	18.3265	19.0128	18.5116	2	2	2	2	2	2	2	2
UBAC1	Q9BSL1	2.37E-13	2.03E-13	-0.41132		0.593438	-1.25835		15.0622	14.9906	14.856	15.0603	16.3094	15.1265	14.9945	15.4138	3	4	3	3	3	3	3	2
AMFR	Q9URV5	8.38E-08	2.72E-08	-0.410954	+	1.44715	-2.69708		15.7596	15.6965	15.6875	16.1894	16.3996	15.6884	16.1574	16.2526	4	6	4	6	4	5	6	7
ANO10	Q9NWX5	8.49E-15	1.09E-14	-0.410868		1.57965	-2.92893		16.4682	16.4917	16.5075	16.8341	16.7283	16.6651	17.2801	16.9423	16	17	18	16	16	17	18	17
SERINC1	Q9NRX5	8.05E-16	1.41E-15	-0.41024	+	1.35521	-2.53908		17.1411	17.1822	17.2448	17.9724	17.7225	17.6388	17.6319	17.6319	4	4	4	4	4	3	4	4
SOSTM1	Q13501	4.47E-20	3.17E-19	-0.410232		0.864063	-1.7172		17.7443	17.7099	17.669	18.7294	18.1292	17.7508	17.7691	18.2112	13	13	13	13	13	13	13	13
STEAP3	Q658P3.Q	1.92E-07	6.04E-08	-0.410098		0.597312	-1.2651		16.1776	16.1841	16.1775	17.2689	16.8699	16.104	15.9694	16.737	11	11	11	11	11	11	11	11
APH1A	Q96B13.Q	2.61E-08	9.02E-09	-0.410096	+	1.55765	-2.89005		15.0593	15.2396	15.1733	15.5577	15.4336	15.4305	15.9664	15.4493	2	2	2	2	2	2	2	2
TFG	Q92734.Q	1.10E-08	3.98E-09	-0.409884	+	4.00995	-9.1193		18.1138	17.9579	18.0693	18.4186	18.4612	18.5112	18.4977	18.3958	7	10	8	10	9	10	8	8
BAG6	P46379.P4	8.46E-11	4.11E-11	-0.409785		1.8152	-3.35607		16.5344	16.5365	16.7666	17.1129	17.2547	16.792	16.8967	17.0552	24	23	23	26	23	23	25	24
EVI5	Q60447.Q	0.000418	9.11E-05	-0.408738		0.55354	-1.18847		13.2037	13.6008	13.6201	14.2726	14.0756	13.8379	14.2818	12.9501	2	2	2	3	1	4	2	1
SSH3	Q8TE77.Q	0.00084	0.000175	-0.408717	+	1.59617	-2.95821		15.237	15.457	15.4518	15.4721	16.0249	15.7972	15.9388	15.7204	5	6	5	7	5	6	6	7
RHBD01	Q8TEB9	1.74E-05	4.46E-06	-0.408556	+	1.32231	-2.48303		16.0758	15.9582	15.6762	15.9911	16.5902	16.1646	16.4142	16.3996	4	4	4	4	4	4	4	4
NACC1	Q9GER7	3.44E-10	1.51E-10	-0.408008		1.15496	-2.20115		15.6105	15.7142	15.6069	16.2321	16.2497	15.5507	15.9574	16.2695	6	7	5	5	4	4	5	5
ABCA1	Q95477	0.001245	0.000253	-0.407968	+	2.20456	-4.11608		13.684	13.4235	13.6584	14.0192	14.1377	14.0895	13.8078	13.9288	2	3	4	5	6	5	5	3
SLC35A4	L0RGQ1	0.002871	0.000538	-0.407855		0.293041	-0.70148		14.4629	14.5836	14.8911	15.2904	14.6011	13.6368	15.642	16.0983	2	1	1	3	3	2	3	3
EPB3	Q12929	5.99E-14	6.07E-14	-0.407832	+	3.01028	-5.98578		16.4519	16.5147	16.5528	17.1072	16.8271	16.8433	16.9098	16.9509	26	26	26	28	28	29	29	29
HEBP2	Q9Y524	2.18E-06	6.12E-07	-0.40762		1.63508	-3.0276		17.9674	17.9053	18.0432	18.3233	18.1968	18.4904	18.7057	18.1817	8	7	7	7	8	8	8	8
PPIR12C	Q9B2L4	2.96E-13	2.49E-13	-0.407608		5.27256	-15.0904		15.5854	15.5491	15.5871	16.0214	16.0194	15.9502	15.9251	15.9911	23	23	23	24	22	24	23	23
RABAC1	Q9BU14	4.60E-20	3.21E-19	-0.407194		1.28755	-2.42407		16.3835	16.1111	16.2057	16.3838	16.8126	16.4584	17.0138	16.5346	3	4	4	4	4	4	3	3
BAG3	Q95B17	1.04E-12	7.50E-13	-0.407153		1.3879	-2.59502		16.4007	16.4446	16.5743	17.2666	16.5981	16.8983	16.7102	16.9309	24	25	24	25	24	24	25	25
TYFYE19	Q96X21.Q	1.42E-06	4.07E-07	-0.407097	+	3.3182	-6.83824		14.6461	14.7588	14.5802	15.0865	15.1049	15.0076	15.1678	14.9772	5	5	4	4	5	4	5	4
CPFD1	Q9BHR8	3.21E-08	1.10E-08	-0.406995		1.23042	-2.32768		17.9034	17.9149	17.8779	17.9192	18.6567	18.1102	19.368	18.4747	9	9	9	9	9	10	10	9
DST	Q03001	6.67E-19	3.04E-18	-0.406984	+	1.36549	-2.55665		15.4658	15.4619	15.4624	15.7975	16.1325	15.4546	16.0628	15.9045	219	215	219	222	209	199	233	219
ERLC1	Q96DZ1.Q	5.61E-09	2.11E-09	-0.406711	+	1.59315	-2.95285		13.6681	15.6256	15.6256	15.865	16.0749	16.0385	16.4146	15.8393	16	14	13	14	11	15	17	13
KIAA1191	Q96A73.Q	8.96E-07	2.62E-07	-0.406602		0.528048	-1.14335		13.2862	13.8058	13.5864	14.1049	14.3944	14.1812	13.2222	14.8309	4	4	3	4	3	2	3	3
G6P3	Q9BUM1	1.44E-12	4.45E-12	-0.406105		0.68153	-1.41006		16.1121	16.5597	16.5608	17.1261	16.5244	17.2206	17.0352	16.1785	2	2	2	2	2	2	2	1
BICD2	Q8TD16.Q	8.66E-11	3.40E-11	-0.405841	+	1.61586	-2.99325		13.2033	15.2913	15.3271	15.9987	15.6917	15.38	15.6965	15.8269	19	19	19	23	20	19	22	23
PSME4	Q14997	2.61E-13	2.22E-13	-0.405695		2.74862	-5.3266		14.5066	14.605	14.5768	15.0829	15.0967	14.8055	14.9497	14.9077	20	21	19	24	17	18	19	24
UDYJ21	Q9Y385	0.000204	4.63E-05	-0.404498	+	1.49475	-2.77975		14.8127	14.7512	14.6575	15.1255	14.7674	15.1347	15.3444	15.3528	4	5	4	5	3	5	5	5
PDLM4	P50479	7.00E-12	4.20E-12	-0.403708	+	2.26503	-4.24128		18.5754	18.5666	18.5993	18.8972	18.8472	19.2318	19.0542	18.8902	15	14	14	15	15	14	15	16
HYK	Q9NX55	2.46E-05	6.20E-06	-0.403702		0.345459	-0.80529		15.5752	15.2896	16.5592	17.0209	15.2968	15.9061	16.2706	16.8593	5	4	6	4	4	5	5	5
TGFBI	P01137	9.37E-05	2.23E-05	-0.403648		0.84767	-1.68986		15.1172	15.1902	15.3824	15.6928	15.2961	15.4064	16.2785	15.494	6	8	6	6	5	4	6	5
UNC119	Q13432	2.58E-11	1.39E-11	-0.403331	+	1.74004	-3.21746		15.8719	15.7956	15.769	16.3498	16.391	15.9274	16.0649	16.3444	5	6	6	5	4	4	5	5
ARHGAP18	Q8N392	3.68E-18	1.35E-17	-0.402681		0.790064	-1.5935		15.902	15.9059	15.9237	17.0521	16.2591	15.9938	16.1145	16.1466	24	24	24	26	23	24	27	25
SNX16	P57768	9.57E-18	3.10E-17	-0.402507		1.01428	-1.9669		14.5936	14.6379	14.7067	14.8892	15.0627	14.6612	15.5861	15.0436	3	4	3	3	4	3	4	5
POLR1D	P0DPB6	0.000164	3.77E-05	-0.402224		0.904162	-1.78396		15.7632	15.4648	15.784	15.6505	16.5678	15.9338	16.2839	15.9284	3	2	3	4	2	4	2	3
SYT11	Q9BT88	2.60E-05	6.55E-06	-0.402137		0.793817	-1.59979		15.4323	15.4222	15.4049	16.3891	15.669	15.2311	15.93	15.8904	4	5	4	5	4	3	4	4
LAMC1	P11047	1.18E-14	1.47E-14	-0.400514		1.1226	-2.14712		16.4523	16.47	16.432	16.3942	16.9286	17.0115	17.213	16.7125	46	48	44	42	43	48	48	47
PSMA5	P28066	6.12E-09	2.29E-09	-0.400169	+	1.31962	-2.47846		18.5317	18.3697	18.5829	18.49	18.8192	18.9997	19.1756	18.9902	14	13	13	13	14	13	13	14
MARF1	Q9Y4F3.Q	0.000176	4.03E-05	-0.399888		1.00706	-2.02779		13.7664	14.1959	14.2771	14.6494	14.6703	14.1373	NaN	14.4618	1	1	1	1	1	1	NaN	1
TGFB2	P37173.P3	7.27E-15	4.11E-15	-0.399813		0.669798	-1.39003		15.4445	15.197	15.3655	16.3301	15.8685	15.5896	15.3321	16.1372	8	7	8	9	4	7	6	8
NPC1	Q15118	1.37E-08	4.91E-09	-0.399511	+	3.92212	-8.79775		16.7776	16.7383	16.7114	17.2142	17.0727	17.2239	17.1173	17.0816	14	13	14	14	13	14	14	14
IFIT1	P09914.P0	5.80E-07	1.73E-07	-0.398046	+	1.40936	-2.63187		14.9413	14.9996	15.0476	15.0643	15.6752	15.2084	15.4817	15.5414	11	11	10	11	10	11	14	12
PPAN	Q9N055.Q	1.73E-08	6.10E-09	-0.397804	+	2.79745	-5.44542		14.5314	14.7063	14.5745	15.1587	14.9319	14.8976	14.9725	15.0488	5	6	5	5	4	5	6	6
NMTAG2	Q9BU76.Q	0.001479	0.000298	-0.397632		0.7281	-1.48915		13.6593	13.7671	13.5746	14.583	13.5591	13.8206	13.886	14.4743	2	2	2	3	1	2	2	2
GALNT4	Q8N4A0	0.000422	9.18E-05	-0.397559		1.12383	-2.14918		14.5853	14.6491	14.7287	15.3425	15.4019	14.7016	14.9445	14.869	4	5	5	7	4	4	6	4
SLC16A7	Q60669	2.87E-06	7.94E-07	-0.397539		1.23511	-2.33557		15.8141	15.6725	15.6078	15.8171	16.5049	15.8701	16.1833	16.1028	3	4	4	3	2	4	3	3
N4BP1	O75113	8.53E-06	2.26E-06	-0.39726		1.2157	-2.30294		14.2277	14.2069	14.4306	14.7938	14.7986	14.1961	14.8648	14								

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
EFCA814	O75071	7.56E-05	1.82E-05	-0.388818		0.818098	-1.64046		14.5082	14.858	14.5015	14.7463	15.6166	14.805	14.7702	15.1188	3	2	2	4	3	2	2	3
TP53BP2	Q13625;Q1	6.65E-06	1.78E-06	-0.388699	+	1.73548	-3.20912		15.3344	15.2356	15.3746	15.8888	15.8664	15.3999	15.7011	15.6616	12	12	10	14	12	8	11	12
NOM1	Q5C924	2.30E-06	6.44E-07	-0.388516	+	1.35611	-2.54061		13.8408	13.7555	13.6904	14.5315	14.1778	13.9227	13.9233	14.1984	4	6	4	5	3	3	5	4
ZNF318	Q5VUA4	0.003404	0.000626	-0.388354	+	1.35187	-2.53338		14.0867	14.3302	14.3231	14.5672	14.4051	14.5766	14.5878	15.0385	6	4	5	3	3	3	3	2
MAFF	Q9ULX9	0.019723	0.003286	-0.388158		0.595749	-1.28947		14.0229	14.474	14.2958	14.7303	14.9443	NaN	13.9606	14.9743	2	1	2	3	1	NaN	2	2
PDLIM5	Q96HC4	9.83E-11	4.71E-11	-0.387469	+	1.30518	-2.45395		17.4031	17.5033	17.4505	18.2198	17.7313	17.9949	17.6719	17.5809	25	24	24	26	24	24	23	25
AGPAT5	Q9NUQ2	0.002635	0.0005	-0.387		0.784224	-1.5837		13.1859	13.5012	12.9922	13.4448	13.4063	13.8623	13.2305	14.1232	4	3	2	2	1	1	3	3
ACOX1	Q15067;Q1	2.56E-24	7.58E-23	-0.386811	+	1.32485	-2.48736		16.0397	16.0548	16.0696	16.7795	16.3124	16.1394	16.3379	16.6383	19	17	20	18	20	15	18	19
STS	P08842	0.000187	4.28E-05	-0.386603		0.637468	-1.33457		15.1134	15.1741	15.1566	15.3954	15.6631	15.4681	14.9029	16.2436	8	9	8	9	8	8	5	10
CHMP7	Q8WUX9	1.01E-11	5.88E-12	-0.386487	+	1.46887	-2.73472		14.8354	14.8845	14.7722	15.32	15.4848	14.8526	15.2545	15.1739	6	6	6	7	5	5	6	5
CUEDC1	Q9NWM3	0.007711	0.001344	-0.386376		1.14909	-2.19134		14.8885	15.076	15.2479	15.793	15.2314	15.5233	15.1439	15.5943	2	3	3	2	3	2	2	2
AHR	P35869	1.12E-06	3.24E-07	-0.385891		1.08126	-2.07825		13.9194	14.0043	13.973	14.2025	14.4533	13.8856	14.6471	14.5688	4	5	5	5	4	3	6	3
GAPDH	P04406	1.10E-11	6.34E-12	-0.385826		0.876556	-1.73801		23.486	23.4326	23.3842	23.6781	24.428	23.6516	23.463	23.8798	24	24	26	25	25	26	23	26
XYLB	O75191	2.85E-11	1.52E-11	-0.385138		0.70498	-1.44997		14.7082	14.5844	14.6348	14.9784	15.1943	15.2777	15.403	14.2845	4	3	3	4	4	6	7	3
SAC3D1	A6NKF1	0.01011	0.001733	-0.385005		0.916513	-1.8045		15.5319	16.2154	16.1935	16.7495	16.4018	16.2036	16.2645	16.2069	3	4	2	2	2	1	3	3
SIL1	Q9H173	5.09E-18	1.80E-17	-0.384818		0.945114	-1.85202		15.6949	15.7801	15.7416	15.759	16.2806	15.8225	16.6064	16.1499	13	14	14	15	13	14	16	14
CDK5RAP1	Q96526;Q9	0.014318	0.002417	-0.384568		0.423013	-0.99151		13.4082	NaN	12.7882	13.2263	NaN	13.0453	13.593	14.0666	1	NaN	2	2	NaN	1	2	2
LGAL3BP	Q08380	0.000491	0.000106	-0.384504		0.595024	-1.26112		14.9472	14.7596	14.8887	15.1292	15.3941	15.5733	15.6825	14.4064	1	1	2	2	2	3	3	1
VP337A	Q8N222	1.15E-10	5.46E-11	-0.384058	+	2.5565	-4.87632		14.7053	14.6894	14.7696	15.0505	15.1566	15.0116	15.3106	15.0058	8	9	8	10	7	8	8	8
SRCAP	Q6ZK52;Q6	0.000943	0.000195	-0.383675		0.812815	-1.63162		15.5596	15.5509	15.4069	15.5872	16.0756	15.3941	15.9448	16.3758	5	4	4	3	2	2	2	2
CDRL2	Q86X02	7.94E-10	3.32E-10	-0.383631		1.56847	-2.90915		15.2263	15.2944	15.3104	15.6788	15.3686	15.5317	15.9261	15.7981	5	4	5	6	4	8	7	7
MAP1L3B2;MAP1L3	A6NC7;Q9	3.18E-05	7.94E-06	-0.383188		0.981384	-1.91226		17.7342	17.4307	17.4291	17.7169	18.0718	17.8599	17.5628	18.3611	2	2	2	2	3	2	2	2
LGMIN	Q9P538;Q9	5.17E-09	6.34E-10	-0.382649		1.11874	-2.14068		16.4401	15.953	16.2848	16.4499	16.5727	16.4025	17.0168	16.6012	4	4	4	4	3	5	5	4
PABPC4	Q13310;Q1	2.43E-20	1.92E-19	-0.382039		2.56929	-4.90549		16.9621	17.0468	17.0125	17.4286	17.3967	17.4289	15.881	17.2333	18	18	17	17	17	18	18	18
SLC38A10	Q9HBR0	3.59E-14	3.87E-14	-0.381416		0.95479	-1.8681		14.958	15.0275	15.0572	15.0938	15.2078	15.6194	15.881	15.1679	13	12	11	12	8	13	16	8
INPP5F	P32019;P3	0.004429	0.000799	-0.381389		0.410193	-0.96572		11.9603	12.5942	11.2943	NaN	12.4089	12.0899	NaN	12.4941	2	2	2	NaN	1	1	NaN	3
GM2A	P17900	0.000289	6.42E-05	-0.381322		0.972219	-1.89704		16.4243	16.1694	16.5467	16.5306	16.5554	16.5241	17.0762	17.121	6	5	4	6	5	6	6	6
CASC3	Q15234	2.35E-19	1.30E-18	-0.38098		0.65843	-1.37058		13.512	13.0912	13.6516	14.389	13.9557	13.2629	13.6017	13.7871	1	3	1	2	1	2	2	2
NUF2	P61970	8.48E-12	4.99E-12	-0.38081		0.787533	-1.58925		18.674	18.3464	18.6989	18.4435	18.7882	18.9412	19.1513	19.4453	6	5	5	5	5	5	5	5
TMX2	Q9Y320	7.01E-11	3.46E-11	-0.380069	+	3.24042	-6.61447		16.2839	16.2743	16.2565	16.5661	16.7756	16.5777	16.7326	16.6062	13	12	12	12	12	13	12	13
ZBTB7A	Q95365	2.76E-13	2.33E-13	-0.37993		1.24649	-2.35474		14.3131	14.1353	14.3265	14.9084	14.8537	14.2659	14.5338	14.6261	4	3	5	5	3	4	3	3
RBPI	Q06330;Q6	4.06E-08	1.37E-08	-0.379075		0.470468	-1.03987		15.2947	15.4118	15.3566	16.3072	15.995	15.2438	14.9317	16.1895	12	12	13	13	10	8	7	13
AXL	P30530	1.04E-06	3.02E-07	-0.378771		0.771114	-1.56167		16.2081	16.3165	16.3026	17.2025	16.4652	16.1577	16.547	16.9001	11	12	12	11	10	11	13	13
IKBK9	Q9Y6K9;Q9	5.98E-11	3.00E-11	-0.377885	+	1.33935	-2.51203		15.8571	15.9819	15.8651	16.6376	16.3612	16.1106	15.9946	16.2922	9	8	8	9	9	9	9	9
FCGRT	P55899	0.001414	0.000285	-0.377497		0.414892	-0.9375		14.5265	14.5109	14.3429	15.9633	14.488	14.9445	14.3167	14.4754	3	3	2	2	1	3	2	3
WDR4	P57081;P9	0.000338	7.46E-05	-0.377259	+	2.40184	-4.5326		14.9782	14.9312	14.9681	15.341	15.4129	15.0955	15.421	15.4116	2	2	3	1	2	3	3	2
SLC3A2	P08195;P0	2.68E-11	1.43E-11	-0.376769		0.304493	-0.7245		13.8286	18.3526	18.3297	17.4966	18.6348	18.9168	19.9369	18.5835	21	21	21	19	19	22	22	21
MALSU1	Q96EH3	0.003893	0.000708	-0.376473		0.324895	-0.76502		13.9833	13.7599	13.9195	14.1142	15.0499	12.9242	14.5293	14.7028	1	1	2	2	1	2	1	2
LEO1	Q8WVCO	0.00027	6.02E-05	-0.376447	+	2.02865	-3.76335		14.7494	14.7478	14.7343	15.1855	15.0663	14.86	15.1879	15.3017	6	6	7	6	5	6	6	6
DNAUC5	Q9H324;Q9	5.93E-13	4.54E-13	-0.376101	+	1.48889	-2.76953		14.0395	14.0644	14.161	14.7372	14.1395	14.5062	14.563	14.3761	4	4	4	4	3	4	4	3
TGOLN2	Q43493;Q4	2.05E-09	8.13E-10	-0.375995	+	1.58333	-2.93544		15.0627	15.1994	15.2288	15.8214	15.2689	15.6031	15.5708	15.434	7	9	7	9	5	11	6	7
DAAM1	Q9Y4D1;Q9	9.23E-06	2.43E-06	-0.375839		0.765095	-1.59429		14.3713	14.3241	14.4125	14.6323	NaN	15.1179	14.2364	14.9939	3	4	4	3	NaN	5	2	2
RBK5	Q9H477;Q9	0.000354	7.78E-05	-0.3757		1.09891	-2.10764		14.7905	14.8417	14.9979	14.85	15.1924	15.6612	15.2799	15.2784	1	1	1	2	1	2	1	1
GTFA2	P52657	1.39E-07	4.43E-08	-0.375637		0.597231	-1.26496		16.3378	16.0845	16.3286	16.4789	16.3505	16.2221	16.6215	17.4567	2	1	2	2	1	2	2	1
ANKRD13A	Q8I207	4.78E-13	3.75E-13	-0.375438	+	1.53761	-2.85478		16.1569	16.153	16.2101	16.78	16.6988	16.3318	16.2993	16.634	15	16	17	18	16	16	15	16
PAFAH1B2	P68402	2.38E-06	6.63E-07	-0.374469	+	1.71822	-3.17765		18.9242	18.7362	18.9084	19.0194	19.4415	19.2083	19.0928	19.3916	9	8	9	8	9	8	8	8
RTN3	Q95197;Q9	4.37E-09	1.67E-09	-0.374025	+	1.96182	-3.63353		17.4521	17.5398	17.4418	18.1061	17.7098	17.7331	17.9403	17.7703	6	4	4	6	3	3	3	4
UBAP1	Q9NZ09;Q9	5.01E-05	1.23E-05	-0.373562	+	1.8574	-3.43494		15.5508	15.2984	15.598	15.6326	16.0246	15.888	15.8954	15.8393	5	4	4	6	3	5	4	6
NECTIN3	Q9NOS3	4.02E-05	9.94E-06	-0.373336	+	2.86257	-5.60681		14.5283	14.6931	14.6602	15.1045	14.9226	14.8842	15.0364	15.0551	4	3	4	4	5	4	4	4
ARFP1	P53367	1.90E-05	4.85E-06	-0.373327	+	1.60485	-2.97364		18.6431	18.4876	18.5644	18.5996	19.1242	18.9683	19.0609	18.9387	1	1	1	1	2			

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
PDCD6	Q75340	7.98E-22	9.72E-21	-0.361036	+	1.69583	-3.13697		17.8902	17.7752	18.0024	18.2766	17.9478	18.3083	18.3155	18.4032	7	7	7	7	7	7	7	7
FARP1	Q9Y4F1:Q9	1.42E-23	3.17E-22	-0.360397	+	1.77359	-3.27905		16.6533	16.6456	16.5983	16.7402	17.1449	17.0348	17.1699	16.8743	32	33	34	34	36	36	35	35
EF1A2	Q05639	0.000393	8.59E-05	-0.360118	+	1.48324	-2.7597		17.2798	17.5226	17.5749	17.9693	17.8724	17.896	17.8682	17.4901	2	2	2	2	2	2	2	2
ERGIC3	Q9Y282:Q9	5.87E-11	2.95E-11	-0.360079	+	1.82868	-3.38119		15.3882	15.425	15.4213	15.5987	15.7219	15.6422	16.0363	15.8587	9	9	9	9	8	9	8	8
NOTCH3	Q9UM47	0.000181	4.14E-05	-0.359954	+	0.499147	-1.0917		14.2583	14.1186	14.1139	14.9396	14.7763	13.5676	14.7608	14.5736	6	5	5	2	4	3	6	5
FASTKD2	Q9NYY8	7.39E-07	2.18E-07	-0.359583	+	0.563015	-1.20515		14.7464	14.8249	14.7524	15.4975	15.4796	14.2587	15.2209	15.3738	7	6	6	7	5	6	8	6
PRPS2	P11908:P1	8.52E-07	2.50E-07	-0.359357	+	2.28351	-4.27995		15.3261	15.5579	15.4937	15.9391	15.8656	15.8789	15.7511	15.6582	5	4	4	5	5	5	4	5
TOMM40L	Q969M1:Q9	0.006284	0.001107	-0.358294	+	0.687991	-1.42107		14.6023	14.6939	14.4424	15.0176	15.6011	14.7049	14.8439	14.5215	2	2	2	1	1	1	2	1
ISOC2	Q96AB3:Q9	2.27E-12	1.50E-12	-0.35829	+	1.03501	-2.00134		15.4912	15.116	15.4247	15.3453	15.651	15.8728	15.6053	16.0367	2	2	2	2	2	2	2	2
SURF1	Q15526:Q1	0.000577	0.000123	-0.357928	+	0.728424	-1.48969		16.0383	15.9385	15.4802	16.7015	15.9921	15.7806	16.2516	16.1589	4	4	4	4	3	2	3	3
CPNE8	Q86YQ8	0.000871	0.000181	-0.357503	+	0.880694	-1.7449		19.3525	19.2429	19.3698	19.6859	20.0348	19.1455	19.6295	19.9005	3	2	3	1	3	3	3	1
UTP3	Q9NQZ2	6.54E-12	3.95E-12	-0.357327	+	2.19775	-4.1021		14.6211	14.5334	14.6279	15.0631	14.7779	14.8826	15.1262	14.9077	7	7	7	8	7	7	6	6
E1F4A2	Q14240:Q1	1.56E-10	7.26E-11	-0.357275	+	2.57553	-4.91974		17.9953	18.0587	17.9866	18.2298	18.2979	18.3515	18.529	18.4458	10	11	11	11	10	10	12	11
H1F1AN	Q9NWT6	2.79E-06	7.73E-07	-0.356889	+	1.35025	-2.53062		15.623	15.6277	15.5914	16.2512	15.8366	15.6418	16.0377	16.0874	4	5	5	5	5	4	5	5
PEF1	Q9UBV8	7.01E-11	3.46E-11	-0.356578	+	0.719342	-1.47432		17.2513	17.0336	17.3703	17.0753	17.4086	17.4602	18.0124	17.9184	5	4	5	5	5	5	5	5
SUMO3	P55854:P5	0.000162	3.73E-05	-0.356446	+	2.11707	-3.93857		19.0656	18.9055	19.1989	19.5148	19.5445	19.3031	19.3224	19.3808	3	3	3	3	3	3	3	3
WIP12	Q9Y4P8:Q9	4.00E-07	1.22E-07	-0.356134	+	1.28446	-2.41884		15.3447	15.4731	15.4838	16.1899	15.6255	15.8048	15.5831	15.7468	8	9	8	10	7	10	8	9
ANKA2	P07355	2.56E-24	7.58E-23	-0.355839	+	1.22405	-2.31697		23.1251	23.1166	23.0898	23.763	23.6474	23.502	23.136	23.2834	50	50	49	47	49	49	48	49
TAF6	P49848:P4	0.001061	0.000218	-0.355784	+	0.655326	-1.36526		13.3705	13.5142	13.5476	13.8528	14.4901	13.3674	13.922	13.5339	3	3	2	2	2	2	4	5
C5orf24	Q7Z018	3.33E-10	1.46E-10	-0.355759	+	1.175	-2.23469		13.7456	13.6194	13.9551	13.99	14.475	13.8386	14.1903	14.1519	3	3	2	1	3	2	1	1
ENAH	Q8N857:Q8	3.18E-09	1.23E-09	-0.355323	+	1.07901	-2.0745		16.8923	16.894	16.9178	17.6615	16.8574	17.303	17.1934	17.2681	16	15	16	15	15	17	16	15
FAM172A	Q8BUJF8	4.47E-09	1.70E-09	-0.355225	+	1.75378	-3.24262		15.2539	15.1377	15.2471	15.3159	15.7583	15.5728	15.7087	15.4849	7	7	7	8	6	7	7	7
TRIOP1	Q9H2D6:P2	7.62E-22	9.41E-21	-0.354805	+	1.79735	-3.32294		16.4856	16.5022	16.5022	16.6204	17.087	16.9326	16.8756	16.7117	30	34	32	31	29	32	29	31
MRF149	Q13405	2.52E-06	7.03E-07	-0.354572	+	0.490297	-1.07577		15.5033	15.039	15.8537	16.0933	15.6406	15.0838	16.0123	16.2697	4	4	6	7	5	6	6	7
PIK3R1	P27986:P2	7.47E-15	9.77E-15	-0.354242	+	1.15064	-2.19394		17.7972	17.7976	17.8269	18.1461	18.5747	17.9422	17.9223	18.292	14	14	17	15	12	13	16	16
SPCS5	Q9B6A9	2.38E-06	6.63E-07	-0.35423	+	2.14955	-4.00398		16.7277	16.4393	16.4856	16.9238	16.5988	16.7184	16.8288	16.6973	2	2	2	2	2	2	2	2
HEL22	Q9BYK8	0.002625	0.000499	-0.35406	+	1.1948	-2.26785		14.0621	14.365	14.2604	14.9002	14.7277	14.4577	14.4268	14.359	7	7	8	6	6	6	3	6
GLO1	Q40760:Q6	1.64E-11	9.15E-12	-0.353566	+	1.04593	-2.01949		18.7031	18.4604	18.7612	18.5306	19.1732	19.1956	19.0027	19.0735	10	10	12	11	11	12	12	11
CLUH	Q75152	2.65E-24	7.58E-23	-0.353548	+	0.93041	-1.82848		15.443	15.4579	15.4854	16.1337	16.0233	15.3272	15.6564	15.9212	32	32	30	31	23	29	27	33
CERS5	Q8N857:Q9	2.92E-05	7.32E-06	-0.35331	+	1.24405	-2.35063		14.5031	14.507	14.4324	15.0239	14.4068	14.8689	14.8642	15.0069	3	4	4	2	3	2	3	2
BCAT1	P54687	5.03E-18	1.79E-17	-0.353236	+	0.416519	-0.94054		17.4746	17.4269	17.4585	18.5227	17.4441	18.0823	18.0694	16.9142	11	11	12	12	11	11	12	11
ZC3H7B	Q9UGR2	1.06E-13	1.00E-13	-0.352766	+	1.55202	-2.88014		15.4274	15.3706	15.3882	16.0273	15.8197	15.4661	15.7467	15.6812	13	12	14	14	13	12	13	13
CHAC1	Q9NRG0	5.48E-10	2.34E-10	-0.352523	+	0.738854	-1.50732		15.0775	15.0194	15.0506	15.5936	15.893	14.8701	15.1821	15.4696	2	3	2	3	2	2	2	3
MAP701	Q3KQU3	2.63E-15	3.99E-15	-0.352075	+	1.71711	-3.17562		16.5884	16.701	16.695	17.2731	17.1089	16.8775	16.8802	17.2113	19	19	17	18	15	17	16	18
SLC26A11	Q86WA9	0.005231	0.000932	-0.352018	+	0.847074	-1.68886		15.3298	15.0528	15.3269	15.2921	16.0631	15.3086	15.7835	15.4953	3	3	3	3	2	3	4	3
TRABD	Q9H413	6.68E-08	2.19E-08	-0.351816	+	1.18432	-2.25028		16.6256	16.2951	16.5087	17.0696	16.9228	16.4708	16.9481	16.7305	2	2	3	4	3	2	3	3
MAP2K7	Q14733-3	0.002499	0.000477	-0.351716	+	1.36907	-2.56276		15.111	14.7827	14.9406	15.2829	15.399	15.3969	15.0011	15.2617	4	5	5	4	3	3	3	3
RALGAPB	Q86X10:Q9	0.000974	0.000201	-0.350178	+	2.35768	-4.4373		14.5039	14.5436	14.775	15.0198	15.0359	14.9098	14.8385	14.9845	4	4	2	5	2	4	3	3
RMCI	Q96DM3	6.31E-14	6.36E-14	-0.349898	+	2.06398	-3.83287		15.0469	14.9858	15.2901	15.2545	15.3749	15.6127	15.2537	15.2537	6	7	8	8	7	10	8	8
ANXA1	P04083	8.26E-07	2.43E-07	-0.349787	+	1.42885	-2.66546		21.7845	21.7835	21.7767	22.127	22.4315	21.8161	22.1861	22.0964	33	33	33	32	34	33	32	33
CAMKK2	Q96R84:Q9	0.000111	2.60E-05	-0.349029	+	2.11577	-3.93598		14.6931	15.0249	14.8993	15.2288	15.3689	15.1593	15.2093	15.1408	5	6	10	8	6	9	6	4
MOV10	Q9HCE1	1.15E-08	4.14E-09	-0.348944	+	1.06131	-2.04507		15.3949	15.4843	15.4393	16.0164	16.0048	15.3297	15.7113	15.8801	29	28	28	33	26	24	24	28
FRAT10AC1	Q70Z53:Q7	0.002345	0.000452	-0.348897	+	0.277978	-0.67906	NaN	12.8998	13.576	14.1168	12.4688	13.7815	13.8569	13.7101	1	NaN	1	3	2	2	1	1	1
LTBP3	Q9NS15	0.002753	0.000519	-0.348779	+	0.709877	-1.45828		13.8865	14.1259	14.0177	13.9699	14.8381	14.7056	14.0454	14.235	3	6	4	5	4	4	2	4
MADD	Q8WXG6-2	0.00148	0.000298	-0.348684	+	1.8273	-3.37861		14.3663	14.4646	14.3133	14.6236	14.8026	14.5296	14.9484	14.7964	11	10	10	10	7	8	7	9
ANXA11	P50995:P5	1.32E-13	1.22E-13	-0.348501	+	1.31325	-2.46764		19.2288	19.2518	19.2389	19.9712	19.6255	19.5557	19.3971	19.3921	24	25	24	25	25	24	24	24
KCTD12	Q96CX2	2.50E-05	6.30E-06	-0.34821	+	0.347962	-0.81015		18.529	18.5469	18.5952	20.1659	18.3315	18.6857	18.6684	18.6746	13	13	13	13	12	12	12	12
OXNAD1	Q96HP4	0.001792	0.000355	-0.348144	+	1.13974	-2.17572		16.9837	16.6795	16.3282	17.0376	17.1386	17.0576	16.7818	17.0442	3	3	2	2	1	2	2	3
ANKB1	Q9P2G1	0.000997	0.000206	-0.347739	+	2.86765	-5.61954		14.0179	14.1024	13.9552	14.2746	14.336	14.3574	14.3791	14.5173	5	7	8	6	7	7	7	4
STX8	Q9UNK0	2.77E-12	1.80E-12	-0.347589	+	1.3554	-2.5394		16.1491	16.1381	16.1396</													

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
RR1	Q15258	1.20E-08	4.32E-09	-0.341492	+	2.29787	-4.31017		18.6272	18.5924	18.6065	18.8692	18.8434	18.923	19.1764	18.939	7	7	7	7	7	7	7	7
DNAIB14	Q8TBM8	0.003745	0.000684	-0.341311	+	1.72759	-3.19472		13.9788	14.2711	14.2115	14.3788	14.6676	14.3236	14.5784	14.5272	2	3	2	5	1	2	3	3
DLG1	Q12959;Q2	2.40E-16	4.97E-16	-0.340996		1.02138	-1.97869		15.2201	15.2899	15.1925	15.1994	15.6904	15.8167	15.8256	15.3437	20	20	21	19	17	20	17	16
HACE1	Q8IYU2	0.000846	0.000176	-0.340982		1.15072	-2.19408		13.8089	13.9957	13.6583	14.1066	14.3644	14.0345	14.4546	13.8794	2	2	3	3	1	2	3	2
VTIIA	Q96A9;Q9	6.73E-05	1.63E-05	-0.340833		0.999141	-1.94175		14.8557	14.8822	14.8534	15.3864	15.1985	14.7505	15.5283	15.1594	5	5	5	6	4	5	5	6
HRAS	P01112	5.11E-13	3.99E-13	-0.340106	+	2.73556	-5.29511		17.0749	17.2403	17.0574	17.4589	17.4761	17.4866	17.5617	17.3383	2	2	2	2	2	2	2	2
TMED4	Q7Z7H5;Q2	2.67E-07	8.30E-08	-0.339581	+	2.9109	-5.7288		17.1524	17.258	17.2716	17.532	17.4935	17.5883	17.7108	17.5099	6	6	7	6	6	6	6	6
ERBIN	Q96RT1;Q9	7.06E-18	2.37E-17	-0.339566	+	1.88725	-3.49121		15.7732	15.7592	15.8161	15.9827	16.3566	16.0156	16.0314	16.2254	33	36	36	34	33	34	35	34
SES2	P58004	0.002463	0.000471	-0.338559	+	0.719472	-1.47454		14.898	14.7101	14.7861	14.7856	14.9063	15.642	15.4399	14.9093	3	4	6	4	2	4	5	4
OSTC	Q9NRPO;Q2	0.00018	4.11E-05	-0.338295		0.609006	-1.2854		19.7747	19.5966	19.8311	19.3939	20.1315	20.3475	20.5189	19.9705	3	3	3	3	3	3	3	3
LMP1	Q96S06	3.63E-05	9.01E-06	-0.338022		0.701284	-1.44369		16.1639	15.7215	15.8316	15.6692	16.4274	16.5506	16.4422	16.129	2	2	2	2	2	2	2	2
YIPF4	Q9BSR8	0.00084	0.000175	-0.337324	+	1.84597	-3.41351		17.654	17.6521	17.5296	17.9449	17.8297	17.785	18.1853	18.0012	2	2	2	2	2	2	2	2
SLC30A5	Q8TAD4	0.000274	6.09E-05	-0.337256	+	1.34388	-2.51974		14.5098	14.475	14.5152	14.5702	14.7281	14.8593	15.1789	14.85	7	7	6	5	5	5	6	6
PPM1F	P49593	1.37E-12	9.54E-13	-0.336928	+	2.64693	-5.08491		17.1976	17.1999	17.1431	17.5373	17.6437	17.4811	17.3534	17.5702	12	12	13	13	12	13	11	12
G3BP2	Q9UN86	1.92E-13	1.69E-13	-0.336913		2.12171	-3.94787		16.774	16.8808	16.8197	17.3972	17.0523	17.0769	17.1602	17.1221	16	15	15	17	13	16	16	16
PLA2G15	Q8NCC3	4.32E-05	1.07E-05	-0.336716		0.668099	-1.38713		16.9953	16.0613	16.0379	16.7202	16.6537	15.7064	16.5143	16.4131	8	7	7	9	7	7	7	8
NOP14	P78316	5.99E-05	1.46E-05	-0.336274	+	1.45053	-2.70292		15.1381	15.3561	15.1484	15.7118	15.2275	15.659	15.5904	15.5638	9	10	10	13	9	13	9	11
ERIC6	Q03468	3.51E-05	8.74E-06	-0.336067		0.705666	-1.45113		14.831	14.4795	14.858	14.5655	15.1093	15.0165	15.5742	15.0239	3	2	3	2	2	2	3	3
RIP2	Q43353	0.001706	0.00034	-0.335931		0.670363	-1.391		14.5145	14.4919	14.3057	14.4054	15.2603	14.3239	14.9591	14.9179	6	7	6	6	6	9	9	8
CAV1	Q03135-2	7.43E-07	2.19E-07	-0.335925		0.662063	-1.3768		20.4264	20.4245	20.4701	20.2097	21.2991	20.695	21.0054	20.6554	9	9	9	9	9	9	9	9
FKBP5	Q13451	2.39E-14	2.70E-14	-0.335921		0.370439	-0.91838		13.6925	13.7252	13.679	14.525	14.525	13.5446	13.5446	13.5446	5	2	4	8	NaN	NaN	9	9
PTPR	P10586;P1	1.01E-16	2.40E-16	-0.335885		0.32523	-0.76568		14.3004	14.193	14.2899	15.7171	14.8306	14.3678	13.844	14.1956	4	4	4	4	4	3	4	3
MTNFR	P42898;P4	0.000368	8.07E-05	-0.335589		1.21342	-2.29913		14.1991	14.1405	14.337	14.7102	14.8505	14.4872	14.2348	14.5229	3	5	7	4	7	6	4	5
GFP2	Q94808	7.65E-23	1.33E-21	-0.334714		0.733544	-1.49835		16.6787	16.7518	16.8814	17.3693	16.6936	17.5015	16.797	16.8722	23	25	23	28	19	27	22	19
CUX1	P39880-9	9.96E-15	1.27E-14	-0.334594		1.28625	-2.42188		14.547	14.7437	14.772	15.0675	15.1707	14.866	15.2636	14.743	4	3	3	3	3	3	3	2
DOK10	Q96B9E;Q5	3.13E-13	2.61E-13	-0.33417		1.4486	-2.69957		15.1989	15.1995	15.2247	15.5607	15.8628	15.3922	15.5654	15.3283	39	42	41	41	35	38	44	36
RNF126	Q9BV68	2.40E-07	7.50E-08	-0.334018	+	1.90185	-3.51887		15.7939	15.7057	15.8623	16.0589	16.3636	16.1334	15.9625	16.0881	3	6	5	5	5	5	6	6
ACYP1	P07311	4.61E-13	3.64E-13	-0.333909		0.853771	-1.70004		15.9377	15.808	15.9656	16.4198	16.3872	15.6755	16.2486	16.4572	4	4	3	3	4	5	4	4
TNFAIP8L3	Q5GJ75	0.000949	0.000196	-0.333903		0.434183	-0.97334		13.4818	13.4299	13.6364	14.7949	13.8177	13.3169	13.5008	13.8193	4	3	3	3	1	1	1	2
BACR3	Q75815	2.25E-10	1.02E-10	-0.333808		0.629307	-1.32051		15.1419	15.1685	15.1881	15.6278	15.8777	14.9149	15.2149	15.8694	17	18	15	21	16	15	13	17
IIT57	Q9NWB7	0.015223	0.002562	-0.333331		1.07059	-2.27774		13.8424	14.103	14.0057	14.1054	NaN	14.5382	14.3075	NaN	3	3	2	2	NaN	3	1	NaN
ANKRD54	Q6NXT1	7.80E-14	7.68E-14	-0.333322		0.786342	-1.58726		14.5701	14.0994	13.7523	14.4525	14.6896	14.1639	14.6003	14.4634	4	4	4	3	3	2	2	3
HSP413	P48723	2.68E-16	5.42E-16	-0.332934		1.02386	-1.98281		16.2209	16.1148	16.0878	16.0892	16.7448	16.3876	16.7451	16.404	10	12	10	10	9	11	9	9
CLCN3	P51790;P5	1.18E-06	3.39E-07	-0.332641	+	2.14423	-3.99323		14.9951	15.3021	15.1677	15.5009	15.4861	15.4703	15.6133	15.3675	6	6	7	7	5	7	8	6
GGAI	Q9UIY5;Q9	2.95E-10	1.31E-10	-0.331859	+	1.47919	-2.75265		15.5755	15.6131	15.4748	16.0522	16.0237	15.6181	15.7377	15.9999	8	9	10	9	8	8	8	10
MYO9B	Q13459	1.62E-14	1.93E-14	-0.331189	+	2.09575	-3.89596		15.6213	15.5898	15.6092	16.1032	15.9608	15.8974	15.722	16.0062	57	55	56	58	51	58	56	59
ACYP2	P14621	0.002542	0.000485	-0.331168		0.808555	-1.62449		15.7464	15.7096	15.8711	15.8582	15.7409	16.0678	16.579	16.2885	3	3	3	3	3	3	3	3
TAB2	Q9NYH8	9.77E-12	5.69E-12	-0.330509	+	1.61457	-2.99096		14.7398	14.7282	14.7879	14.8185	15.3228	15.0544	15.0546	15.1621	5	4	5	4	4	4	4	4
SPECC1L	Q69YQD;Q2	2.38E-10	1.08E-10	-0.33035	+	3.35807	-6.95527		16.9554	16.9016	16.9516	17.2553	17.3045	17.3586	17.1502	17.2641	21	22	22	20	19	22	22	23
RPL27A	P46776	5.12E-09	1.93E-09	-0.330242		0.440886	-0.98572		21.6413	21.5154	21.5842	21.691	22.8167	21.8374	21.2941	21.9134	6	6	6	6	6	6	6	6
SMG9	Q9H0WR	3.04E-09	1.18E-09	-0.330068	+	1.91663	-3.54698		15.2804	15.4554	15.3619	15.5505	15.8039	15.8624	15.7129	15.5502	7	7	6	6	6	7	7	5
URGCP	Q8TCY9;Q8	0.007081	0.000406	-0.329567		1.23574	-2.33664		15.1517	15.2992	15.2676	15.714	15.6309	15.1634	15.7042	15.6328	7	7	10	7	6	5	8	8
ABC3	Q9NUO8;Q2	1.63E-10	7.58E-11	-0.329439	+	3.06408	-6.12845		16.2791	16.3243	16.2646	16.7297	16.6466	16.5007	16.6491	16.5677	16	18	17	20	14	19	17	16
TIMP1	P01033	1.85E-14	2.17E-14	-0.329415		0.441866	-0.98752		17.653	17.6945	17.6062	17.6731	17.7193	17.7847	18.9771	17.7489	6	6	6	6	6	6	6	6
MORFAL1	Q9UBU8-2	0.00108	0.000222	-0.32904	+	1.56422	-2.90164		14.6467	14.6079	14.8224	15.1435	14.7915	14.8806	15.1395	15.1518	7	7	7	7	7	7	7	6
TANG06	Q9C0B7	7.75E-18	2.57E-17	-0.32839		1.30013	-2.44538		14.7977	14.678	14.9198	15.1093	15.4349	14.8468	15.1206	15.1229	7	5	8	6	4	4	4	6
AKAP9	Q99996;Q5	8.62E-05	2.05E-05	-0.327466	+	3.43582	-7.18817		14.4971	14.4127	14.4192	14.8495	14.7142	14.776	14.8238	14.6889	19	23	27	29	11	23	25	26
SLC7A5	Q01650	3.60E-06	9.88E-07	-0.327198		0.17844	-0.458		17.3013	17.0362	17.1178	15.6097	17.5115	17.7942	18.93	17.5494	5	5	5	5	5	5	6	5
PUDP	Q08623;Q2	2.65E-11	1.42E-11	-0.327173		0.883174	-1.74903		15.6632	15.6598	15.8388	15.845	16.2888	16.1828	15.6146	16.3078	6	5	6	5	4	5	2	5
LPP	Q93052	2.75E-11	1.47E-11	-0.32701	+	2.14594	-3.99668		17.4266	17.3938	17.42	17.7802	17.7394	17.9469	17.6015	17.6345	26	27	26					

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control 1	Log2 MS2_quantity_ Control 2	Log2 MS2_quantity_ Control 3	Log2 MS2_quantity_ Control 4	Log2 MS2_quantity_ Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
HSPB11	Q9Y547	8.50E-09	3.12E-09	-0.319807	+	3.4413	-7.2048		15.8624	15.9587	15.906	16.2452	16.3008	16.1207	16.2293	16.2482	4	5	4	4	3	4	4	3
FILIP1L	Q4L180;Q4	2.83E-05	7.10E-06	-0.319784		0.738418	-1.50658		14.7556	14.643	14.5796	15.5751	14.9323	14.6575	14.8194	14.9116	14	15	14	17	13	12	16	14
FUT4	P22083	0.002751	0.000519	-0.319461		0.489824	-1.12448		13.3189	13.391	NaN	13.9729	NaN	13.6577	13.9201	13.147	2	2	NaN	2	NaN	1	2	1
RTN2	O75298;O1	0.009804	0.001684	-0.319401		0.930241	-1.82731		13.8725	14.2329	14.1786	14.5305	14.3603	14.0557	14.7614	14.3624	2	2	1	4	1	1	2	2
NHLRC3	Q5J537	7.53E-07	2.22E-07	-0.319351		0.843591	-1.68305		14.9662	14.9612	14.9511	14.9019	15.2353	15.4447	15.7232	15.0892	3	4	4	3	4	3	4	5
WASFI1	Q92558	0.001225	0.00025	-0.319338	+	1.34764	-2.52617		14.6193	14.4609	14.3905	14.5377	15.0312	14.8209	14.71	14.9482	5	4	4	5	3	4	3	4
TGFB3	Q03167;Q1	0.001159	0.000237	-0.319232		0.228185	-0.57322		14.3071	14.0909	14.1512	15.066	14.0419	13.4263	NaN	15.475	2	2	2	2	2	1	NaN	2
PTDS2	Q9BYG9	0.000237	5.34E-05	-0.318235	+	1.84257	-3.40714		16.1147	16.2046	15.8831	16.4724	16.4773	16.2213	16.385	16.3725	3	3	3	3	2	3	5	3
NUPF2	Q7Z417	9.91E-11	4.75E-11	-0.318213	+	1.76723	-3.26734		15.6773	15.4752	15.6314	15.8966	15.6993	15.9831	16.0944	15.8909	15	14	15	14	12	13	15	14
LURAP1L	Q8IV03	0.005585	0.000989	-0.317796		0.187548	-0.47838		14.4092	15.305	14.1717	13.8274	14.7757	16.4524	15.423	14.2543	1	1	3	2	1	3	3	2
RLPL1	Q5EBL4	2.20E-08	7.65E-09	-0.317748	+	1.33575	-2.50591		15.4678	15.4809	15.5047	15.8611	15.5545	15.8473	16.101	15.6471	13	14	13	14	10	14	14	13
SHMT2	P34897;P3	3.60E-09	1.38E-09	-0.317728		1.03649	-2.00379		18.4346	18.4563	18.3626	18.5729	18.5504	19.1934	18.7088	18.6522	25	25	26	25	27	26	26	26
EIF3F	O00303	1.61E-09	6.47E-10	-0.317554	+	1.59427	-2.95485		18.2733	18.0748	18.2388	18.4877	18.7135	18.2917	18.4456	18.6274	14	15	15	15	15	15	15	15
OCRL	Q01968;Q1	6.33E-11	3.15E-11	-0.317384	+	4.10387	-9.47458		15.1812	15.0903	15.1308	15.4577	15.3854	15.4684	15.5107	15.4351	14	17	18	16	14	16	15	16
MIB1	Q86Y76	0.000173	3.96E-05	-0.317174	+	2.72149	-5.26134		13.9032	13.7344	13.7745	14.0126	14.237	14.1265	14.1168	14.1131	5	5	4	4	7	5	3	7
RAB43	Q86Y56	1.98E-08	6.94E-09	-0.317142		0.865746	-1.72		15.5542	15.5845	15.5117	16.0463	16.06	15.3436	15.8319	16.0545	5	6	7	7	6	5	7	6
FTTM2	Q8N6M3	0.001094	0.000224	-0.316935	+	1.31585	-2.47205		16.1933	16.2669	16.3346	16.4013	16.5785	16.3904	16.9021	16.6372	4	4	4	3	3	4	4	3
INGTT	O60942;O4	0.000212	4.80E-05	-0.316863	+	1.49972	-2.78843		14.4457	14.3621	14.241	14.6159	14.5494	14.6071	14.9781	14.5818	4	6	5	6	2	4	4	4
SPRE1	Q08A69;Q1	0.00497	0.000889	-0.316686		0.946	-1.8535		14.1113	14.3226	13.971	14.5667	14.6158	14.1683	14.7232	14.1841	3	3	3	3	3	3	2	3
RBMS2	Q15434	0.000594	0.000126	-0.316674		0.955879	-1.86991		18.8143	16.7235	18.8145	16.8037	17.3885	16.8028	17.3254	17.1834	3	3	2	3	3	3	3	3
RAB23	Q9ULC3	2.77E-10	2.14E-10	-0.316418	+	2.68125	-5.16561		16.0171	16.0269	16.0565	16.2178	16.4772	16.4143	16.3501	16.2901	12	12	12	12	11	12	13	12
NAGK	Q9UJ70;Q5	6.19E-19	2.89E-18	-0.316252	+	3.42468	-7.1544		18.7722	18.7303	18.702	18.863	19.0453	19.1107	19.1297	19.0067	19	18	18	18	18	18	18	18
GIPC1	Q1L408	1.20E-17	3.71E-17	-0.316054	+	1.13347	-2.16525		16.7251	16.7706	16.7967	17.4431	16.7872	16.9896	17.0159	17.165	16	15	15	16	13	14	14	15
HIM13	Q8TCY9;Q8	3.75E-05	9.31E-06	-0.315146	+	2.57656	-4.9221		18.9699	18.8698	18.9214	19.2176	19.2014	19.0945	19.3082	19.3558	10	10	10	10	11	10	11	10
ACOT8	Q14734	0.000792	0.000166	-0.315037		2.32955	-4.37722		16.7267	16.7957	16.689	16.8941	17.1602	17.1431	17.0894	16.974	7	7	6	6	6	7	6	6
TRPM4	Q8TD43;Q1	9.53E-11	4.58E-11	-0.314967		1.25796	-2.37407		14.8626	14.8186	14.7986	15.2179	15.2386	14.9295	14.9012	15.4206	9	9	11	11	8	10	8	11
CAPRIN1	Q14444;Q1	4.57E-14	4.79E-14	-0.314531		1.1888	-2.25779		17.7475	17.7096	17.7663	18.3372	18.0271	17.7305	17.9279	18.2106	16	13	13	13	14	14	14	15
ITGA1	P56199	3.93E-11	2.03E-11	-0.314337		0.253854	-0.62111		15.5195	15.7135	15.6415	14.7685	15.8034	16.4436	17.01	15.6705	18	17	15	15	19	20	17	17
PTSTA20	Q8TB22;Q8	0.001597	0.00032	-0.314331		0.74366	-1.55596		14.4198	14.0818	13.9262	14.5309	14.0894	NaN	14.7431	14.4644	7	7	8	10	4	NaN	7	6
INPP11	Q15357	2.81E-12	1.81E-12	-0.314266	+	3.23592	-6.60171		15.4395	15.4071	15.4212	15.6467	15.7959	15.7149	15.8391	15.6877	29	26	25	26	26	22	27	27
SRGA1P	Q7Z687	1.90E-18	7.66E-18	-0.313568		0.795345	-1.60235		15.5826	15.5658	15.6247	16.3139	15.973	15.8971	15.3999	15.9822	32	33	33	35	31	33	30	32
YPEL5	P62699	1.91E-12	1.29E-12	-0.313448		1.4724	-2.74084		15.7574	15.7269	15.6851	15.881	16.2921	15.8204	16.1225	16.0668	5	5	5	5	4	4	4	5
ITH3	Q06033;Q3	3.34E-09	1.29E-09	-0.313358		0.232859	-0.57691		18.9167	19.0733	19.0064	20.2453	18.3479	18.3854	19.4842	20.0981	7	7	7	7	5	6	7	7
FXBP14	Q9NWM8	3.29E-13	2.72E-13	-0.313289	+	1.62453	-3.00873		16.3936	16.3304	16.3133	16.4769	16.5639	16.7761	16.8967	16.5817	6	6	6	6	6	6	6	6
HAT1	Q14929	1.81E-12	1.23E-12	-0.313105		0.742248	-1.51305		15.8037	15.8787	15.824	16.5019	16.0462	15.6019	16.2755	16.3174	5	5	6	6	5	6	6	6
ORC2	Q13416	0.005767	0.001019	-0.313008		0.730574	-1.49333		13.7046	13.3238	13.3501	13.6296	14.2903	13.4471	13.6837	13.8119	2	3	3	5	3	1	3	1
PSEN1	P49768;P4	4.29E-08	1.44E-08	-0.312869		1.15312	-2.19807		15.9481	15.9238	15.9358	15.9353	16.3804	16.0634	16.5039	16.3609	3	3	3	4	3	3	3	4
FABP3	P05413	1.82E-14	2.14E-14	-0.312736		0.279074	-0.67313		17.3314	17.3629	17.2384	16.9012	16.9252	17.4612	18.6706	18.16	10	9	9	8	8	9	11	9
POLE3	Q9NRF9	1.02E-10	4.88E-11	-0.311888		0.956284	-1.87058		16.3983	16.4131	16.3955	16.9059	16.6936	16.2397	16.9118	16.82	3	3	3	3	2	4	3	3
FCSK	Q8NWD3;Q3	0.00106	0.000218	-0.311562		0.160263	-0.42692		13.7938	14.572	14.3152	NaN	15.8143	13.4318	NaN	14.3695	4	5	NaN	2	2	NaN	3	1
ARIP2	P53365;P5	3.72E-12	2.34E-12	-0.311451	+	1.78888	-3.30727		15.4363	15.4415	15.4976	15.5262	15.7738	15.8061	15.9612	15.7823	5	6	6	6	4	6	7	6
TSPO	P30536	0.000882	0.000183	-0.311344		1.76238	-3.25843		18.919	19.0192	19.1937	19.3117	19.218	19.4017	19.5492	19.2959	2	2	2	2	2	2	2	2
MAGED2	Q9UNF1	9.33E-07	2.72E-07	-0.311231	+	2.46242	-4.66534		17.3105	17.3158	17.2615	17.5649	17.4385	17.7188	17.6748	17.6748	20	20	20	20	20	21	21	21
TPM2	Q07951;2	2.31E-13	1.99E-13	-0.311113		1.00874	-1.9577		18.2739	18.3854	18.3292	18.3106	18.57	18.9406	18.5052	18.8767	20	21	21	20	20	20	20	22
NOMO2	Q5JPE7;Q5	1.96E-14	2.27E-14	-0.311089	+	3.35669	-6.95121		17.4004	17.481	17.4382	17.7513	17.7473	17.6514	17.8474	17.7575	34	37	36	36	37	37	37	35
RAB4B	P61018;P6	1.35E-10	6.37E-11	-0.31108		2.74856	-5.32643		16.3154	16.2559	16.3394	16.7764	16.5594	16.5471	16.5874	16.603	4	5	4	6	4	5	4	5
ATP6V1D	Q9Y5K8	2.71E-09	1.06E-09	-0.311004	+	1.82576	-3.37573		16.5024	16.4787	16.3978	16.6934	16.6287	16.7421	17.0207	16.7683	11	13	12	13	9	12	12	11
NTAQ1	Q96HAB;Q1	0.011285	0.001924	-0.310945		0.799364	-1.65552		14.7113	15.008	14.8934	15.1163	15.3912	15.4255	14.7944	NaN	1	2	2	1	1	1	1	NaN
POLR1E	Q9GZS1;Q1	0.002256	0.000437	-0.310705		0.811451	-1.67711		14.8452	14.7692	14.6163	14.6849	NaN	14.9926	15.1397	15.3999	2	5	5	4	NaN	2	3	2
LARP6	Q9BR58	7.18E-16	1.28E-15	-0.310541		1.17172	-2.22918		14.9854	14.929	15.0031	15.2909	15.2619	15.6432	1									

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
SLC25A46	Q96AG3	0.000251	5.63E-05	-0.304032	+	3.09171	-6.20273		15.3023	15.2095	15.3418	15.5145	15.6923	15.5744	15.6058	15.5559	5	7	5	4	2	5	5	5
PKD2	Q13563;Q1	2.37E-14	2.69E-14	-0.303743	+	1.60838	-2.97993		15.4133	15.3646	15.4333	15.7159	15.7243	15.6398	15.9617	15.4957	10	12	14	14	13	14	15	14
SLC25A17	O43808	0.002724	0.000515	-0.303638		0.587051	-1.24722		13.068	12.8984	13.6407	13.6269	13.2408	13.86	13.1443	13.658	3	2	3	3	2	2	2	2
TNFRSF1A	P19438	7.28E-05	1.75E-05	-0.303427		0.527676	-1.14269		14.9982	14.8762	15.2856	16.0619	15.2166	15.0235	15.0827	15.3993	3	2	3	3	4	3	3	3
CIP2A	Q8TCG1	3.02E-05	7.56E-06	-0.303324		0.590562	-1.25334		14.6644	14.6522	14.5684	15.2466	14.9969	14.2419	14.9717	15.2013	12	16	13	15	6	7	9	14
YIU2	Q9BW85	0.000681	0.000144	-0.303096		0.384342	-0.87998		13.8004	14.6511	14.335	14.8588	14.4698	14.1547	15.254	14.0892	3	3	3	3	1	2	2	3
CCDC98	Q6ZU76;Q6	1.42E-06	4.04E-07	-0.302807		0.458876	-1.01873		14.1236	13.937	14.1712	13.6783	14.3942	14.1553	14.8805	14.7921	4	4	4	5	3	4	5	5
UBE2A	P49459	2.26E-07	7.09E-08	-0.302337		0.565121	-1.20885		16.6525	16.8458	16.9507	17.495	17.1873	17.0438	17.4013	16.4659	3	2	2	2	2	2	2	2
USP10	Q14694	3.06E-08	1.05E-08	-0.302268		0.920132	-1.81051		16.262	16.2385	16.2076	16.9207	16.567	16.227	16.3107	16.6661	16	16	16	17	16	17	19	16
SEC24A	Q95486	2.13E-13	1.86E-13	-0.301705	+	3.48066	-7.32535		17.002	16.9676	16.9501	17.1917	17.3197	17.2595	17.3613	17.2424	22	23	23	23	20	23	22	23
ENPP2	Q13822;Q1	3.48E-07	1.07E-07	-0.301484		0.199066	-0.50387		13.9151	13.7774	13.9144	15.7613	14.3081	13.064	13.7053	14.0135	8	10	8	13	6	5	6	6
UBE2N	P61088	0.000902	0.000187	-0.300985	+	1.43518	-2.67638		19.3267	19.1472	19.3317	19.5995	19.3159	19.4845	19.7161	19.7316	11	9	11	11	11	10	10	10
RP56KB1	P23443;P2	2.11E-06	5.92E-07	-0.300853		1.2673	-2.38984		15.5875	15.6489	15.7146	15.6742	15.832	16.1698	15.9513	16.1287	4	5	5	4	3	4	4	4
PTPN14	Q15678	2.99E-10	1.33E-10	-0.300105	+	1.35481	-2.53839		15.3059	15.2554	15.2741	15.6202	15.8379	15.3155	15.6519	15.4673	29	27	27	27	24	26	25	25
CLU	P10509;P1	0.001026	0.000211	-0.300097		0.410287	-0.92889		14.646	14.4907	14.6027	14.8867	14.8964	15.7508	14.3954	14.7402	3	3	3	3	3	4	3	3
CD47	Q08722;Q0	6.93E-07	2.05E-07	-0.299806	+	2.46632	-4.67397		18.8839	18.9141	18.9193	19.3903	19.1685	19.1292	19.141	19.199	3	3	3	3	3	3	3	3
CACNA2D1	P54289;P5	5.88E-13	4.51E-13	-0.299622	+	1.44895	-2.70019		16.18	16.197	16.0968	16.4578	16.5749	16.5233	16.5872	16.1447	19	19	19	20	19	18	21	18
NB2102	Q8IYB1	1.75E-15	2.81E-15	-0.299577	+	1.69024	-3.12686		15.7218	15.6004	15.5919	15.9637	15.9088	15.7134	16.1381	15.9641	11	10	12	9	11	10	12	11
CASP8	Q14790;Q1	2.57E-10	1.16E-10	-0.299515	+	1.56583	-2.90449		16.853	16.8236	16.8934	17.2066	17.3283	17.2953	16.965	16.9855	7	7	7	7	9	6	8	8
SEST1	Q86VW0	0.000121	2.83E-05	-0.299341		0.452306	-1.00671		14.5706	14.4978	14.4665	15.4768	14.3177	15.1659	14.4108	14.6838	2	4	4	4	7	3	8	5
RGLS	Q95336	4.45E-11	2.28E-11	-0.299059		0.713273	-1.46404		19.3974	19.0775	19.397	19.0867	19.6558	19.5066	19.8188	19.8805	12	11	11	11	11	11	11	11
SLC38A9	Q8BNW4;Q1	0.000521	0.000112	-0.298807		1.14367	-2.18229		12.9047	13.1635	13.1174	13.3058	13.0368	13.5544	13.5249	13.3816	2	2	2	2	2	3	3	3
CLASP1	Q72460;Q2	2.18E-10	9.94E-11	-0.298688		1.98952	-3.68708		14.9045	14.9946	14.9568	15.3517	15.3024	15.032	15.2251	15.3422	38	40	40	40	27	37	37	39
TPRG1L	Q5T0D5	5.56E-15	7.56E-15	-0.298109		1.17737	-2.3864		16.1001	16.0941	16.0679	16.5928	16.5227	16.0168	16.4187	16.3764	7	7	7	7	7	7	7	8
PTTG1IP	P53801	1.73E-08	6.10E-09	-0.297842		1.05311	-2.03143		20.246	19.8774	20.1537	20.2405	20.6095	20.5252	20.1168	20.4592	3	3	3	3	3	3	3	3
JUP	P14923	7.52E-05	1.81E-05	-0.297601		0.383344	-0.87809		15.9195	15.7023	16.2405	16.8093	16.3916	15.3702	16.2394	16.4491	9	16	18	18	14	11	14	17
STX7	Q15400;Q1	1.61E-07	5.11E-08	-0.297321	+	1.49044	-2.77224		17.9454	17.8848	18.0086	18.3046	18.3865	18.0211	18.4077	18.0981	4	10	8	8	8	9	9	9
AASDHPT	Q9NRN7	2.06E-08	7.18E-09	-0.29723		2.79382	-5.43663		16.51	16.559	16.6209	16.8037	17.005	16.8398	16.8457	16.8086	8	8	8	8	8	9	8	8
NA25	Q14CX7	1.09E-05	2.86E-06	-0.297221		2.60882	-4.99631		15.4371	15.4508	15.4815	15.8652	15.829	15.632	15.7645	15.6778	20	19	20	21	17	18	21	16
EIF4A1	P60842	2.54E-09	9.95E-10	-0.297012		2.26644	-4.24421		20.7731	20.8492	20.7763	21.274	21.0648	21.0333	20.9795	21.1311	25	25	26	25	24	25	25	25
CEP170B	Q9Y4F5;Q9	1.47E-13	1.33E-13	-0.297001	+	1.6987	-3.14219		14.6405	14.5508	14.7439	14.9001	15.0577	14.8772	14.7915	15.1238	11	11	9	18	8	10	16	13
FBIN5	Q9UBX5	1.08E-05	2.83E-06	-0.297	+	1.52384	-2.83061		14.5024	14.5639	14.398	14.8924	14.5868	14.6298	14.8608	14.9558	4	3	3	3	3	5	5	7
TRIM22	Q8IYM9	9.96E-05	2.36E-05	-0.296964		1.02972	-1.99256		18.2337	18.3092	18.2939	18.2307	18.9187	18.6585	18.5342	18.5374	10	10	9	9	9	10	10	10
RAPGEF2	Q9YAG8	4.11E-05	1.02E-05	-0.296911		0.829814	-1.66004		14.896	14.8641	14.686	14.9428	15.6266	14.9828	15.0275	14.9819	8	6	5	6	4	7	5	7
GPX8	Q8TED1	6.09E-07	1.81E-07	-0.296713		0.838762	-1.67499		18.6015	18.6294	18.6328	18.7147	18.7375	19.1194	19.3367	18.6453	9	9	9	9	9	9	8	8
TAX1BP3	Q14907	0.000186	4.25E-05	-0.296229		1.25212	-2.36422		19.4399	19.1155	19.4604	19.5516	19.4167	19.7042	19.663	19.8389	3	3	3	3	3	3	3	3
OCD1A1	Q9NX40	4.21E-12	2.62E-12	-0.296029	+	2.16699	-4.03934		17.1741	17.1738	17.1536	17.4614	17.5088	17.2542	17.5653	17.5261	12	11	11	11	11	12	11	11
PLEKHM2	Q8IWE5	1.61E-07	5.11E-08	-0.295886	+	2.01143	-3.7297		17.5407	17.5494	17.7519	17.9806	17.9596	17.7998	18.011	17.7985	7	6	4	6	6	6	5	5
PNPLA2	Q96AD5	0.027468	0.004526	-0.295609	+	1.36571	-2.55703		14.5562	14.3316	14.4417	14.6601	14.6187	15.0246	14.5972	14.7927	3	4	2	4	2	3	3	2
TMEM87B	Q96K49;Q9	1.52E-09	6.13E-10	-0.295564	+	1.5725	-2.91627		15.9917	15.6937	15.8166	16.0764	16.2066	16.1365	16.2894	15.9389	14	4	4	5	5	5	5	5
OTU1B1	Q96FW1	1.02E-13	9.76E-14	-0.295115		1.06272	-2.0474		18.1276	17.9082	18.438	18.4761	18.263	18.3622	18.6653	18.4988	11	12	12	12	11	11	11	11
RABGGT8	P53611	0.000241	5.41E-05	-0.295056	+	1.73511	-3.20845		16.2841	16.2112	16.3925	16.4713	16.6256	16.5805	16.8095	16.468	3	4	4	5	3	5	5	5
SOWAHC	Q53LP3	1.13E-14	1.41E-14	-0.294683	+	1.71215	-3.16661		14.4794	14.3497	14.4127	14.6099	14.5424	14.883	14.6614	14.8464	5	4	3	4	3	5	4	4
STXBP5	Q5T5C0;Q5	5.73E-13	4.41E-13	-0.29453	+	1.55948	-2.89328		16.0124	15.9919	15.9508	16.2505	16.4351	16.3655	16.346	16.0007	16	17	17	17	16	16	18	17
CCDC127	Q96B05	0.004456	0.000803	-0.294519		0.374325	-0.86091		14.2889	14.9444	14.8037	15.4379	14.5082	14.3181	15.3286	15.2747	2	2	2	3	2	1	2	3
GSDME	Q60443	1.99E-09	7.89E-10	-0.294367		0.788843	-1.59145		16.9176	16.884	16.8331	16.7982	17.2017	17.6193	17.2553	16.9886	18	16	18	17	19	19	17	16
MBNL2	Q5VZF2;Q5	1.70E-10	7.90E-11	-0.294208		0.424569	-0.95552		16.4008	16.4397	16.5365	17.0734	15.933	17.2653	16.6492	16.8451	3	3	3	4	3	4	4	3
SETD3	Q86TU7	4.84E-09	1.83E-09	-0.293596	+	2.07773	-3.8601		16.0683	16.0518	16.0005	16.3177	16.3002	16.1787	16.5261	16.3462	19	18	18	18	18	15	18	20
GOPC	Q9HD26;Q1	1.02E-15	1.74E-15	-0.293393		0.943919	-1.85004		16.1691	16.2555	16.1583	16.3521	16.2355	16.831	16.7054	16.3144	19	18	18	18	18	19	19	19
BET1	Q15155	0.000147	3.40E-05	-0.293314		0.150609	-0.39436		15.7403	16.1908</														

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
ITPR3	Q14573	3.57E-19	1.83E-18	-0.287118		1.02292	-1.98125		15.5057	15.4954	15.5115	15.8032	16.1932	15.5622	15.6494	15.7485	41	42	42	47	34	40	33	39
QZDRN3	Q9UPQ7	3.58E-08	1.22E-08	-0.286428		0.316206	-0.74784		14.8492	14.8167	14.857	14.5614	15.9744	14.4107	15.3064	15.3834	10	11	11	10	10	8	13	10
ATPE6V1H	Q9UI12-Q9	2.62E-10	1.18E-10	-0.286399	+	2.58891	-4.95041		16.6197	16.6835	16.6844	16.9526	16.8796	17.0012	17.0724	16.8389	16	15	15	16	14	16	16	15
PLEKHJ1	Q9NW61	0.022984	0.003809	-0.285944		0.985808	-2.31748		14.4744	14.4999	NaN	14.9396	14.7703	NaN	NaN	14.6095	1	1	NaN	2	1	NaN	NaN	1
TRPT1	Q86TN4-Q8	0.000324	7.16E-05	-0.285779		0.624105	-1.31153		14.1883	14.3325	14.1743	14.7993	14.811	13.9492	14.391	14.6369	1	3	3	4	3	1	1	2
MVP	Q14764	2.52E-17	7.11E-17	-0.285732		1.2088	-2.29134		19.7601	19.773	19.7385	20.3325	20.183	19.8867	19.8389	19.9734	53	53	54	54	52	53	53	53
NKRF	Q15226-Q1	5.26E-07	1.58E-07	-0.285583	+	1.73873	-3.21506		14.815	14.9433	14.7956	15.0772	15.0651	15.3772	15.1241	15.0408	6	4	5	6	4	5	7	5
EIF1AD	Q8N9N8	4.35E-06	1.18E-06	-0.285131	+	2.44649	-4.63021		14.9858	15.0573	15.1616	15.4747	15.4597	15.3857	15.3468	15.2329	4	4	4	5	3	5	5	4
LRRC42	Q9Y546	0.000853	0.000178	-0.285053		0.587819	-1.27502		12.8434	13.0784	12.4859	13.3279	NaN	12.7124	13.0088	13.3013	2	4	3	3	NaN	3	3	3
AP4M1	Q00189	3.20E-08	1.09E-08	-0.284813		1.22087	-2.31161		14.9614	14.7364	14.8655	14.9557	15.4296	15.2212	15.0077	15.082	3	5	5	5	4	6	4	5
TMEM115	Q12893	0.000175	4.01E-05	-0.284254		1.69051	-3.12735		15.2172	15.3762	15.3828	15.4812	15.8089	15.5214	15.6933	15.5435	4	4	4	4	4	4	4	4
ATP1B3	P54709	2.13E-05	5.41E-06	-0.284104	+	1.41139	-2.63536		18.1041	18.0477	18.0157	18.5927	18.2916	18.1058	18.3038	18.4059	11	11	11	11	11	11	11	11
TXNDC11	Q6PKC3-Q6	0.026328	0.004345	-0.284052		1.02299	-1.98136		14.0097	13.9736	14.2285	14.5144	14.0949	14.6273	14.1944	14.3424	3	3	3	3	3	2	3	3
TPM2	P07951	0.000334	7.37E-05	-0.283899	+	0.490396	-1.07595		15.8736	15.9572	15.908	15.5974	16.1752	16.835	16.109	16.2674	4	3	3	3	3	3	4	3
DNTTIP2	Q5QJ66	9.55E-08	3.09E-08	-0.283809	+	1.3532	-2.53565		14.4254	14.5302	14.4921	14.9313	14.8259	14.4678	14.7238	14.8831	11	13	13	14	9	12	11	13
CSNK1G3	Q9Y6M4-Q1	0.00255	0.000486	-0.283809	+	1.31333	-2.46778		14.8811	15.1747	15.106	15.5986	15.3412	15.2502	15.1778	15.3209	4	4	4	7	8	4	6	7
ARGHAP21	Q5T5U3	7.57E-13	5.64E-13	-0.283779		1.05082	-2.02761		14.2978	14.1826	14.1455	14.7488	14.7351	14.3201	14.3232	14.3349	15	15	19	16	12	13	13	13
P52209-P5	P238E11	1.29E-11	-0.283493			0.415425	-0.93849		19.0555	19.0863	19.035	19.9722	19.6326	18.632	19.3318	19.1434	29	29	29	29	29	29	29	28
TD2	Q95551-Q9	0.00494	0.000883	-0.283234		1.16531	-2.21847		14.8922	14.4248	14.7167	14.9771	15.0899	14.8292	14.8176	15.0921	2	4	4	4	4	2	3	4
RPLP8	P46779	5.63E-06	2.53E-06	-0.282964	+	1.83687	-3.39648		18.7557	18.7637	18.6259	18.7863	19.115	19.0788	19.0274	18.9828	11	11	11	11	12	12	12	12
BIGAL7	Q9UBV7	0.000434	9.42E-05	-0.282654	+	2.02373	-3.75371		15.9862	16.051	15.8836	16.2533	16.4037	16.0929	16.2873	16.2452	3	2	3	2	3	3	3	3
PTP2C1	P98194-3	1.98E-16	4.26E-16	-0.282591		0.966424	-1.88742		15.6164	15.666	15.6404	16.1939	16.008	15.5155	15.9112	15.9873	22	22	19	26	22	20	23	20
HEATR5B	Q9PD23	9.21E-07	2.69E-07	-0.282123		0.828694	-1.65817		14.1179	14.1203	14.0557	14.7178	14.4539	14.1051	14.0683	14.5552	14	15	14	16	18	11	8	15
GNL2	Q13823	2.10E-05	5.35E-06	-0.281833	+	1.74576	-3.22793		14.6159	14.6503	14.5497	14.9809	14.8877	14.6419	14.9728	14.9524	8	9	9	11	7	10	10	10
ARMCS	Q96C12-Q9	4.33E-09	1.65E-09	-0.281715		0.73929	-1.50806		14.4136	14.6484	14.0873	14.7052	14.4475	14.4482	14.9134	14.3829	3	3	3	3	2	2	2	3
TSPAN13	Q95857	2.37E-05	5.99E-06	-0.28167		0.314467	-0.74438		16.0141	16.0759	15.9645	16.9612	16.545	15.4122	15.8912	16.6898	2	2	2	2	2	2	2	3
AGAP3	Q96P47-Q9	8.89E-15	4.32E-15	-0.281501		0.953768	-1.8664		15.1449	15.1588	15.1016	15.567	15.7277	15.099	15.2361	15.4533	5	5	6	5	4	5	4	4
UBE2H	P62256	4.74E-16	8.80E-16	-0.281399	+	3.31858	-6.83935		16.1911	16.2211	16.2606	16.5894	16.453	16.5578	16.4821	16.446	6	7	6	6	7	7	7	7
SUPT7L	Q94864-Q9	1.39E-13	1.27E-13	-0.28132		1.20139	-2.2789		13.9072	13.8126	14.1671	14.1277	14.4046	14.0861	14.4294	14.1703	2	2	2	2	2	2	2	2
C1GAL71	Q9NS00	0.000555	0.000119	-0.28089	+	1.33312	-2.50143		15.3367	15.1948	15.1314	15.2903	15.6999	15.3536	15.5642	15.6014	6	5	6	3	6	4	4	5
BTBD1	Q9H0C5-Q9	0.000189	4.30E-05	-0.280739	+	0.344277	-0.80299		14.7185	14.2471	14.6386	15.3432	15.4094	14.3507	14.7911	14.183	3	4	3	2	2	1	1	1
ITFG1	Q8TB96	1.98E-11	1.09E-11	-0.280659		0.868785	-1.72507		15.6791	15.632	15.4886	16.3093	15.7235	15.6204	15.8442	15.9053	6	7	6	7	6	7	6	5
NADSYN1	Q6IA69	5.53E-13	4.27E-13	-0.280213		0.959268	-1.87554		15.2439	15.1028	15.1483	15.3924	15.1046	15.7693	15.5651	15.3947	10	9	9	9	8	10	10	9
DNAC3	Q13217	2.55E-17	7.16E-17	-0.280025	+	1.55695	-2.88881		16.5009	16.4764	16.5125	16.9217	16.6659	16.5783	16.9559	16.7613	23	20	21	20	18	20	21	22
RNF41	Q9H4P4-Q1	0.00233	0.000449	-0.279968		0.707328	-1.45395		14.8686	14.7139	14.9062	15.1506	15.6286	14.8095	14.9853	14.972	1	2	2	2	2	1	1	2
CYBS93	P00387-P0	1.78E-15	2.85E-15	-0.279512	+	1.8078	-3.34231		19.7755	19.9017	19.8906	20.0451	20.0669	20.2544	20.2988	20.0121	20	21	20	21	18	21	21	20
SLC12A4	Q9UP95-Q1	2.58E-15	3.93E-15	-0.279468	+	1.86072	-3.44119		16.6401	16.6547	16.622	16.7969	16.8104	16.9551	17.1316	16.898	24	26	25	24	24	23	23	24
PXN	P49023	2.40E-13	2.05E-13	-0.279196	+	2.35729	-4.43646		16.9949	16.9886	16.9395	17.3592	17.3064	17.1897	17.1057	17.3066	16	17	16	16	16	17	17	17
RAB5C	P51148-P5	0.000104	2.47E-05	-0.279102		1.15314	-2.19811		19.1787	19.4112	19.3009	19.6231	19.7675	19.2456	19.5905	19.6536	6	6	6	7	6	6	7	7
SCARB2	Q14108	6.50E-08	2.14E-08	-0.27895		1.16301	-2.21462		19.291	19.2592	19.3483	19.4636	19.3073	19.7976	19.7554	19.5483	11	11	11	10	10	11	11	11
AGTRAP2	Q6RW13	0.000426	9.26E-05	-0.278882		0.507505	-1.1067		16.2576	16.2059	16.3291	15.8808	16.5162	16.9429	16.8689	16.5067	3	3	4	3	4	3	3	3
BNIP3L	Q60238-Q1	1.06E-08	3.83E-09	-0.278737		1.08007	-2.07627		15.0365	14.7792	15.1157	15.4627	15.2016	15.4143	14.9963	15.2043	3	3	4	3	3	4	5	3
PIA6	Q15084-Q1	3.54E-10	1.55E-10	-0.278663	+	1.3324	-2.50019		21.2098	21.1894	21.1922	21.3472	21.8007	21.3556	21.4342	21.4412	22	21	21	21	21	21	21	22
LKHD02	Q9Y2U9-Q9	3.53E-05	8.78E-06	-0.278562	+	1.79765	-3.3235		14.8991	14.7465	14.8506	15.1059	15.1039	15.0248	15.3247	14.9939	1	1	1	1	1	1	1	2
Q9orf78	Q9NZ63	0.000488	0.000105	-0.278545		0.627313	-1.31707		15.2772	15.207	15.4123	15.9763	15.8176	15.086	15.4255	15.5815	4	3	4	4	4	2	4	2
MPRIIP	Q6WC01-Q1	7.54E-12	4.49E-12	-0.27849	+	1.62602	-3.01138		16.2253	16.3191	16.266	16.7748	16.3881	16.61	16.4461	16.5241	44	43	43	45	42	45	40	44
TPM1	P09493-7	2.93E-12	1.89E-12	-0.27833		0.467793	-1.035		18.249	18.2584	18.0734	18.1074	17.8843	18.8494	18.7046	18.184	12	13	12	11	10	15	13	12
FRYL	Q94915	1.60E-11	8.94E-12	-0.278084		1.02452	-1.9839		15.0475	15.0663	15.0793	15.5285	15.5403	15.0039	15.195	15.4444	32	31	35	38	25	25	28	33
JMID6	Q6NYC1-Q1	3.29E-12	2.10E-12	-0.278067	+	1.5013	-2.79119		16.6799	15.7422	15.8828	16.2484	16.1402	15.8613	15.994	15.9878	10	9	10	11	8	10	7	8
MSRB2	Q9Y3D2	1.06E-06	3.07E-07	-0.27804	+	1.94473	-3.60068		15.4917	15.489	15.5655	15.6269												

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control 1	Log2 MS2_quantity_ Control 2	Log2 MS2_quantity_ Control 3	Log2 MS2_quantity_ Control 4	Log2 MS2_quantity_ Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
PPP1R18	Q6NYC8	4.65E-12	2.87E-12	-0.271897	+	2.07104	-3.84685		17.1655	17.1895	17.2884	17.6246	17.5182	17.4524	17.3256	17.5107	23	23	23	23	23	23	23	23
STAU2	Q9NUL3;Q	3.02E-12	1.994E-12	-0.271868		1.19008	-2.25994		16.3239	16.411	16.4787	16.9632	16.6307	16.5152	16.5029	16.785	9	9	10	12	9	11	8	9
TEX2	Q8IBW9;Q	0.000577	0.000123	-0.271782		0.885461	-1.75284		15.9955	16.0039	15.9527	16.6486	15.9403	16.2141	16.1611	16.3216	12	11	8	12	11	9	11	11
GALNT7	Q86SF2	3.72E-06	1.02E-06	-0.27155		0.517644	-1.12483		15.0369	15.0315	14.9917	15.9554	15.3593	14.9128	15.074	15.1562	10	9	12	9	12	8	8	9
ERAL1	Q75616	0.002354	0.000453	-0.271355		0.490464	-1.07607		15.1621	15.1445	14.7927	15.3445	15.8204	14.895	14.9293	15.5332	3	4	4	6	2	3	4	5
EPB41L5	Q9HCM4;Q	0.00385	0.000701	-0.271342		0.638645	-1.3366		14.1488	14.0179	13.9941	14.8718	14.2037	14.1279	14.0222	14.3991	2	2	1	3	2	2	1	2
RAD23B	P54727	1.51E-14	1.83E-14	-0.271271		0.84674	-1.68831		18.9409	18.8534	18.9894	19.0562	19.532	19.2907	18.8329	19.284	18	19	18	17	17	19	17	19
COX15	Q7KZNS;Q	2.03E-08	7.07E-09	-0.271267		0.730248	-1.49278		17.3576	17.2224	17.2726	17.9705	17.2899	17.3307	17.4115	17.7749	5	4	4	6	5	5	5	6
LARP1	Q6PKG0	2.22E-11	1.21E-11	-0.271108	+	2.80275	-5.45843		16.2219	16.2226	16.235	16.5773	16.3754	16.5172	16.5625	16.4556	28	29	29	29	27	28	32	30
NACA	E9PAV3;E9	1.50E-08	5.34E-09	-0.271021	+	3.67397	-7.94194		20.159	20.2164	20.1702	20.5326	20.4072	20.4204	20.4226	20.4818	6	6	6	6	6	6	6	6
TANK	Q92844	0.001885	0.000371	-0.270939		0.680329	-1.40802		14.4819	14.2957	14.251	14.8803	14.4846	14.9992	14.4352	14.2697	3	4	4	4	3	4	3	3
MAST2	Q6P0Q8	0.005535	0.000981	-0.27062		0.757595	-1.53893		14.7083	14.4892	14.8673	14.8967	15.3241	14.9311	14.5977	15.0448	4	4	3	6	4	5	4	5
HINT1	P49773	1.12E-09	4.63E-10	-0.270281	+	1.6251	-3.00974		18.3727	18.3157	18.4164	18.4773	18.4878	18.7113	18.7966	18.7198	9	9	9	9	9	9	9	9
KIRBP	Q96EK5	3.11E-07	9.60E-08	-0.270275	+	1.48069	-2.75527		16.1499	16.2154	16.1986	16.6135	16.549	16.3297	16.2411	16.5578	20	20	21	21	20	21	22	20
NDUHF3	P56181-2	5.08E-17	1.30E-16	-0.269741	+	3.43621	-7.18935		15.5017	15.5785	15.5328	15.8694	15.8485	15.7829	15.8106	15.7255	12	11	10	11	12	12	11	11
ZDHHC17	Q8IUH5	0.01584	0.002659	-0.2697		0.774352	-1.61084		15.1957	15.6319	15.0188	15.4003	NaN	15.6514	15.6366	15.5189	2	1	1	3	NaN	2	3	2
MSN	P26038	1.10E-14	1.38E-14	-0.269381		0.954716	-1.86797		19.8953	19.8215	19.798	20.3371	20.183	20.0967	19.7085	20.2128	43	46	44	45	45	46	44	47
HSFA8	P11142	3.01E-14	3.31E-14	-0.269085	+	1.80031	-3.32842		21.643	21.6632	21.6097	22.0114	22.0279	21.713	21.8278	21.9585	39	38	37	38	37	36	36	36
MITCH1	Q9NZJ7;Q9	8.36E-09	3.07E-09	-0.269004		0.801784	-1.61315		16.7915	16.9475	16.801	17.3097	16.9323	17.3934	16.7396	17.2035	12	13	12	13	11	11	10	12
NR2C2AP	Q8GWC0;Q	1.49E-15	2.43E-15	-0.268902		0.921478	-1.81275		14.9532	15.0118	15.2614	15.3261	15.6252	15.0935	15.1776	15.4995	4	4	5	5	3	3	5	4
PPP1R2	P41136	5.69E-08	1.89E-08	-0.268713		1.01108	-1.96159		15.4069	14.9953	15.5844	15.5377	15.5704	15.7072	15.6634	15.5092	7	6	6	7	7	7	8	8
PHAX	Q9HB14	2.31E-11	1.26E-11	-0.268412	+	1.66136	-3.07475		14.8584	14.8482	14.9405	15.2809	15.144	14.916	15.1959	15.234	8	8	9	7	8	7	8	7
TBC1D10B	Q4KMP7	5.34E-10	2.29E-10	-0.268407	+	1.54004	-2.85905		14.7257	14.7212	14.6293	15.1342	14.7882	15.0289	14.811	15.0401	12	14	11	12	12	12	12	12
TBC1D10A	Q9BXK6;Q9	1.04E-08	3.77E-09	-0.267865	+	1.55516	-2.88565		14.2095	14.0047	14.191	14.184	14.4628	14.5394	14.435	14.3933	7	5	7	6	4	6	6	6
KCTD15	Q9E51	0.008038	0.001396	-0.267798		0.165595	-0.47272	NaN	15.1292	15.2527	14.8956	NaN	NaN	NaN	16.0219	NaN	3	2	1	NaN	NaN	2	NaN	
ANKRD50	Q9ULJ7	0.002328	0.000434	-0.267634		0.43388	-0.97278		14.1563	14.3901	14.0462	14.5782	13.7007	14.511	14.8286	14.7071	3	3	3	6	3	3	4	4
PANK1	Q96RD7;Q	0.000553	0.000118	-0.267012		0.598102	-1.26647		16.3291	16.333	16.3291	17.1979	16.5876	16.4422	16.2944	16.7415	3	4	4	3	4	3	4	4
PI4K2A	Q9BTU6	1.55E-15	2.52E-15	-0.266982	+	1.77347	-3.27882		16.3042	16.3372	16.38	16.5003	16.7113	16.4353	16.7421	16.6483	22	22	22	20	20	21	22	21
NCSTN	Q92542;Q9	3.76E-05	9.32E-06	-0.266678		1.06413	-2.04975		16.3086	18.1914	18.227	18.3708	18.5955	18.2374	18.7964	18.5811	9	9	9	9	9	9	9	9
GBA	P04062;P0	9.20E-13	6.72E-13	-0.266544		0.682376	-1.41151		18.041	18.0869	18.0475	17.9593	18.1125	18.4792	18.7687	18.3053	21	20	20	19	19	20	21	20
PI4KB	Q9UBF8;Q9	3.57E-11	1.86E-11	-0.266398		1.14799	-2.18951		14.0533	14.2067	14.314	14.6744	14.59	14.2204	14.3508	14.4531	10	8	7	9	7	9	7	7
PARG	Q8W56;Q	0.000157	3.62E-05	-0.266297		0.75922	-1.54166		14.9082	14.8995	14.3772	14.8972	15.3205	15.0245	14.8844	14.8463	8	7	9	8	5	6	5	9
MEAF6	Q9HAF1;Q	0.005525	0.000979	-0.265937		0.868078	-1.72389		14.9834	14.8565	14.9076	15.0866	15.3927	14.9421	14.9793	15.5092	3	2	2	2	1	1	2	2
MYOF	Q8NCZM1;Q	3.98E-13	3.21E-13	-0.265932		1.27788	-2.40771		19.256	19.2825	19.2434	19.4845	19.5723	19.4023	19.8212	19.3525	125	128	126	125	122	126	128	125
NAXE	Q8NCW5;Q	1.24E-12	8.77E-13	-0.265725		1.26966	-2.39383		17.6483	17.5135	17.6884	17.6329	17.8591	18.0891	17.8316	17.816	8	7	8	8	8	8	9	8
TMEM179B	Q7Z7N9	0.00036	7.89E-05	-0.265569		0.362136	-0.83754		16.3761	15.7804	16.0269	15.9535	16.0461	16.6274	17.0423	15.9642	1	2	2	1	2	2	2	2
LDLR	P01130;P0	5.69E-15	7.71E-15	-0.265554		0.417222	-0.94185		15.8019	15.7794	15.7206	16.5946	16.0764	15.746	15.4044	16.3429	12	12	13	12	13	11	11	13
CNO78	Q9UFF9;Q9	0.002912	0.000545	-0.264771		0.761779	-1.65597		14.1201	13.9955	14.4915	14.5535	NaN	14.4912	14.3567	NaN	1	2	1	2	NaN	1	1	NaN
PIPAP2	Q8NAL2	4.82E-11	2.46E-11	-0.264373		1.26611	-2.38783		16.2806	16.2158	16.3256	16.6864	16.5757	16.2565	16.6971	16.4761	4	4	4	4	4	4	4	4
IFRD2	Q12894;Q	6.71E-06	1.79E-06	-0.264202		1.1183	-2.13996		15.5186	14.1604	14.4699	14.6374	14.7616	14.6167	14.8089	14.4112	3	3	3	4	3	4	3	3
R3HCC1	Q9Y3T6;Q9	0.004188	0.000758	-0.264059	+	1.79729	-3.32284		15.6369	15.5839	15.62	15.821	16.0941	15.9049	15.8101	15.7584	2	2	2	3	2	1	2	2
CLEC11A	Q9Y240	1.08E-05	2.81E-06	-0.264039		0.449471	-1.00151		14.8743	14.824	14.8886	14.8902	15.3661	14.5273	15.6793	15.1688	5	6	5	4	4	4	6	4
CTTNBP2NL	Q9P284	5.15E-12	3.16E-12	-0.263958	+	1.59882	-2.96293		15.5371	15.5826	15.5398	16.0279	15.7181	15.8499	15.6395	15.8501	17	17	14	17	16	17	17	17
WNK1	Q9HAA3;Q	6.71E-13	5.05E-13	-0.263529	+	1.88657	-3.48992		15.961	16.0014	15.9734	16.4618	16.1939	16.1593	16.7289	16.1668	24	23	24	27	21	22	22	21
SLC12A2	P55011	9.98E-12	5.80E-12	-0.263354		0.811411	-1.62927		15.9326	16.0838	15.9946	16.5729	15.8756	16.4228	16.2986	16.1653	16	17	17	17	17	10	15	13
RASA2	Q15283;Q	5.40E-08	1.80E-08	-0.263271	+	1.69541	-3.13622		14.9666	14.6626	14.5701	15.09	14.876	14.7226	14.8745	14.802	7	10	10	12	9	11	9	11
ERGIC2	Q96RQ1	1.98E-08	6.92E-09	-0.263012	+	1.66163	-3.07523		15.7284	15.6648	15.789	15.9964	16.0293	15.7714	16.1478	16.0073	7	8	9	8	8	9	8	9
HERC2	Q95714	1.35E-15	2.24E-15	-0.262916		0.546944	-1.17684		13.9326	13.6674	13.7604	14.1965	14.4055	13.4414	14.0746	14.1305	10	10	11	11	8	5	8	11
PRKG1	Q13976	1.31E-11	7.45E-12	-0.262693		0.584422	-1.24263		16.8778	16.8684	16.8526	16.8966	16.9194	17.514	17.5142	16.8006	23	23	23	22	21	23	24	23
MI18	Q96AX9;Q9	3.23E-10	1.42E-10	-0.262612		1.13232	-2.16335		14.259	14.5183	14.188	14.533	14.7224											

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
STK11P	Q8N1F8	1.53E-09	6.16E-10	-0.255747		0.965102	-1.88522		14.8142	14.6829	14.9135	14.8975	14.9606	15.0926	15.4152	14.9305	6	9	10	6	9	9	9	10
CAMLG	P49069	6.69E-07	1.98E-07	-0.25544	+	1.63695	-3.03093		15.7626	15.8317	15.7594	15.9403	15.8645	16.0609	16.2062	16.1281	1	1	1	1	1	1	1	1
SHPRH	Q149N8;Q1	0.009306	0.001603	-0.255374		0.423454	-0.95345		17.4999	17.1887	17.5344	17.7497	18.226	17.3202	17.859	17.1588	1	2	1	1	2	1	2	1
ARHGAP17	Q68EM7	1.02E-12	7.40E-13	-0.254951	+	2.7603	-5.35483		16.8153	16.816	16.8034	17.1858	16.968	17.0469	17.0893	17.0426	16	18	17	18	15	17	19	15
STRN3	Q13033-2	2.24E-07	7.01E-08	-0.254548	+	2.31131	-4.33855		16.4229	16.4352	16.3862	16.6846	16.7316	16.6657	16.7561	16.5088	14	15	13	14	14	13	15	13
MTR	Q99707	2.77E-11	1.47E-11	-0.254382	+	3.30227	-6.79194		14.8739	14.9522	14.9539	15.2267	15.1249	15.1469	15.2492	15.1575	21	21	24	19	17	19	20	18
HB51L	Q9Y450	1.45E-21	1.62E-20	-0.254235	+	2.5512	-4.86429		15.8983	15.9328	15.952	16.2413	16.192	16.0506	16.2699	16.1564	26	28	26	27	22	26	29	25
RBM34	P42696	2.26E-06	6.33E-07	-0.254187	+	1.41318	-2.63845		14.7963	14.6992	14.7575	14.8275	15.2126	14.9815	15.1127	14.8915	6	6	6	6	5	5	6	6
TWSG1	Q9GZX9	2.72E-17	7.55E-17	-0.253963		0.558433	-1.19709		16.0649	16.0094	16.0376	16.8014	16.1746	15.8172	16.2927	16.3703	4	4	4	4	4	4	4	4
STX6	O43752	2.35E-06	6.56E-07	-0.253509		1.09164	-2.09552		15.3637	15.496	15.577	15.9921	15.8519	15.5217	15.6242	15.6722	5	4	5	7	4	6	5	5
SPTLC1	O15269	1.39E-18	5.82E-18	-0.253485		1.20063	-2.27763		16.9582	16.9567	16.8688	17.3771	17.3102	17.1044	16.9116	17.2037	16	16	17	17	16	17	17	17
CTTN	Q14247	2.78E-12	1.80E-12	-0.253108		1.14131	-2.17834		18.8468	18.8387	18.8146	19.2561	19.2495	18.9749	18.8041	19.1479	30	29	31	31	30	31	29	31
SLC4A1AP	Q9BUW0	5.79E-09	2.17E-09	-0.252501		1.21327	-2.29885		14.9361	15.0407	14.9827	15.3051	15.2792	14.9405	15.2438	15.4264	9	10	10	10	9	7	11	9
NBR1	Q14596;Q1	0.000146	3.38E-05	-0.252436		0.367069	-0.84702		15.6237	15.488	15.7385	16.1877	15.085	15.6846	16.1396	16.2491	2	5	3	4	3	4	4	4
DMK1	Q9Y485	0.002882	0.00054	-0.252351	+	1.77086	-3.27402		15.8734	15.8741	15.9663	16.159	16.0451	16.3581	16.1557	16.0667	6	12	11	5	2	8	3	3
BPTF	Q12830;Q1	0.008115	0.001409	-0.252142		0.831009	-1.66204		14.7053	14.9441	14.7048	14.6645	15.2853	15.0842	15.1626	14.9879	4	6	6	4	4	6	4	6
ATP6V1C1	P21283	6.15E-24	1.55E-22	-0.251879	+	3.07534	-6.15864		16.4549	16.4698	16.4977	16.8151	16.698	16.6825	16.8037	16.6845	17	18	19	18	16	18	19	18
SLC30A1	Q9NGM5	3.11E-15	4.85E-15	-0.25158		0.630605	-1.32275		15.5124	15.6772	15.6186	16.2808	15.5306	16.0274	15.578	15.8548	8	9	9	10	10	8	9	9
CRZL1	Q95825	1.56E-07	4.94E-08	-0.251338	+	1.45572	-2.71191		14.9022	14.9938	14.9531	14.9894	15.2848	15.3973	15.1662	15.1686	10	10	9	7	10	10	8	8
UNG2	P13051;P1	2.08E-07	6.54E-08	-0.25127		0.605497	-1.27932		14.7034	14.5226	14.5985	15.0536	14.4019	15.2021	14.6619	14.9776	2	3	4	4	1	3	2	3
DHR57	Q9Y934	1.47E-08	5.22E-09	-0.250676	+	1.36655	-2.55665		17.3833	17.4076	17.3413	17.609	17.6574	17.4759	17.8484	17.4598	12	13	13	12	12	12	12	12
ATL1	Q8WKF7;Q1	0.09E-07	3.52E-08	-0.250439		0.397481	-0.90484		15.5238	15.5093	15.4794	16.4847	15.7221	15.735	15.196	15.6352	15	15	15	15	13	12	12	15
PCD2D	Q12342;Q1	4.28E-05	1.06E-05	-0.249688		0.300641	-0.72589		13.706	13.7371	13.9874	14.0102	NaN	13.3173	14.2336	14.6783	3	4	3	3	NaN	2	2	2
SMARCD1	Q96GM5	0.000761	0.00016	-0.249029		0.624644	-1.34193		14.8769	14.756	14.7897	15.0858	NaN	14.6141	15.3156	15.2106	4	5	4	6	2	2	2	2
GUC1	P36383	1.70E-07	5.39E-08	-0.248699		0.118848	-0.54692		15.4525	15.3258	15.021	16.2175	15.5648	14.3192	15.4181	16.0559	2	2	2	2	2	2	2	2
KCMF1	Q9PJ07	7.44E-12	4.44E-12	-0.248582	+	1.34461	-2.52099		15.883	15.9456	15.8934	16.2174	15.9611	16.058	16.3921	16.1508	5	4	4	4	5	4	5	5
PLD2	Q14939;Q1	0.028722	0.004727	-0.248245		0.757748	-1.53918		12.7629	13.1125	13.2382	13.2383	13.6394	13.1248	13.2766	13.1515	3	3	3	3	2	3	3	3
BRD2	P25440;P2	0.002198	0.000427	-0.24795		0.453023	-1.00802		14.3761	14.2364	14.1158	14.5704	14.5813	13.7898	14.7494	14.7628	6	5	4	6	3	2	5	3
DYNC1I2	Q13409-2	6.30E-22	7.95E-21	-0.247925	+	2.51592	-4.78458		17.4619	17.4596	17.45	17.7147	17.8188	17.5791	17.7311	17.6816	25	24	25	27	25	24	26	25
CRABP2	P29373	9.65E-07	2.81E-07	-0.247882		0.249137	-0.61125		17.9238	17.9795	17.9931	17.4142	17.7207	19.1021	18.623	18.1067	14	14	15	14	13	14	14	14
SMYD2	Q9NRG4	2.20E-09	8.25E-10	-0.247739		0.514206	-1.11869		14.1368	13.9359	13.6177	14.6773	14.0031	14.0449	13.8278	14.1693	3	5	3	6	4	4	4	4
FBN1	P35555	2.72E-19	1.48E-18	-0.247097		0.381441	-0.87447		15.9716	15.9614	15.9436	15.5528	16.0311	16.5846	16.7409	16.1384	54	51	55	51	51	57	55	58
UTP6	Q9NWH9	2.49E-07	7.75E-08	-0.247045	+	1.91247	-3.5905		14.6148	14.4999	14.8078	14.9222	14.6325	14.8095	14.7391	14.12	12	13	15	8	12	13	12	12
PCYOX1	Q9UHG3	4.08E-15	5.82E-15	-0.247026		1.06737	-2.05513		18.6527	18.6538	18.5955	18.5562	19.0329	18.8943	19.0579	18.8638	19	20	19	20	19	20	20	20
SBNO1	A3KN83;A3	0.004619	0.00083	-0.246888		0.595425	-1.28888		14.8047	14.8859	14.8307	15.0689	14.6405	NaN	15.2818	15.358	2	3	3	3	2	NaN	7	2
METAP2	P50579-2	0.02117	0.003517	-0.246872		0.460048	-1.02087		12.7642	12.3504	12.234	12.2873	12.7422	12.3976	13.1385	12.9164	2	2	2	1	2	2	2	1
LGALS8	O00214;O1	5.71E-12	3.48E-12	-0.246743	+	1.35361	-2.53636		15.6131	15.6733	15.5623	16.0863	15.7252	15.6977	15.9245	15.8812	6	7	6	8	2	6	6	7
MPP6	Q9NZW5	1.89E-05	4.82E-06	-0.246727		0.724025	-1.48225		14.9688	14.9953	14.9922	15.0647	14.9455	15.6528	15.3573	15.1404	11	13	14	13	9	13	14	11
TA7F	Q15545	3.47E-06	9.56E-07	-0.246496		0.852608	-1.6981		14.4554	14.8099	14.6399	15.252	14.7996	14.7472	14.8166	14.7924	5	5	4	6	4	7	6	6
CDV3	Q9UKY7	3.05E-08	1.05E-08	-0.246472		0.502409	-1.09756		17.1555	16.9857	17.3928	17.9214	17.0327	17.6122	17.329	17.2271	11	12	13	13	9	12	12	13
TCPI111	Q9NUJ3	3.84E-09	1.47E-09	-0.246329	+	1.89267	-3.50147		16.5557	16.5076	16.4666	16.5938	16.7496	16.7277	16.8058	16.9046	8	9	10	8	8	10	13	10
TOR1AIP2	Q8NF08	7.83E-18	2.60E-17	-0.24625	+	1.75362	-3.24233		15.6685	15.6847	15.9008	16.078	15.9764	15.8598	16.0031	16.0706	13	12	13	15	11	14	14	13
SYNC	Q9H7CA-2	2.11E-12	1.41E-12	-0.246142	+	1.99444	-3.69663		16.8712	16.765	16.8304	17.2023	17.0606	17.0471	16.9154	17.1163	16	19	16	19	16	16	17	16
TENT5A	Q96IP4;Q9	2.31E-06	6.47E-07	-0.245394		0.198691	-0.50304		14.479	14.2728	14.3385	13.5639	14.5048	14.6679	15.8447	14.4629	3	4	4	3	3	3	4	4
CEP250	Q9BVT3;Q9	0.005361	0.000953	-0.245304		1.1911	-2.26165		13.9393	13.6463	13.9097	14.0913	13.8841	13.9903	14.201	14.2184	3	6	5	9	5	3	3	5
ARMXC1	Q9P291	1.09E-09	4.50E-10	-0.245267		0.827602	-1.65635		16.008	16.0073	15.9337	15.9106	16.1849	16.2518	16.6004	16.1936	13	13	14	13	13	12	13	13
CBWD2	Q8IUFI	0.001233	0.000251	-0.245077		0.722798	-1.48017		14.6484	14.4051	14.4103	14.434	15.0563	14.6915	14.5493	14.934	6	8	5	6	4	7	6	4
HAS2	Q9Z819	0.000113	2.66E-05	-0.245042		0.183069	-0.46839		14.6994	14.7632	14.8532	16.2577	15.2342	14.1355	14.2103	15.2471	5	5	3	8	3	1	2	4
PLIN3	O60664	3.91E-09	1.50E-09	-0.244619	+	1.88565	-3.48817		20.0343	20.0671	20.0231	20.2742	20.4898	20.2291	20.2064	20.2309	21	22	22	23	22	22	22	22
SGM5	Q86VZ5	0.002302	0.000444	-0.244587		0.321367	-0.75806		14.3795	14.1547	14.1861</													

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
TBC1D24	Q9ULP9;Q9	0.001136	0.000233	-0.239536	+	1.97196	-3.65309		14.4068	15.3641	15.4538	15.4726	15.7541	15.6898	15.6715	15.6509	12	11	12	11	10	13	13	10
RNF5	Q99942	3.41E-11	1.78E-11	-0.239063		0.23331	-0.57787		14.3551	14.0412	13.6608	14.1275	14.9224	14.3755	13.1512	14.5137	1	1	1	1	2	1	1	1
IKBP1	Q70U0Q	1.22E-12	8.63E-13	-0.238971		0.825406	-1.65268		18.5493	18.5861	18.568	18.6078	18.8618	18.5439	19.1518	18.8687	20	19	19	19	18	18	19	19
ZNF729	A6NN14	0.00295	0.000551	-0.238932		0.376555	-0.86517		15.022	15.1533	14.2359	14.5494	15.2029	14.9562	15.2281	15.2768	3	3	2	3	2	2	3	2
UNC45A	Q9H3U1	3.17E-16	6.21E-16	-0.238333		1.20371	-2.28281		17.0281	17.0137	17.0083	17.4992	17.2639	17.0388	17.1491	17.3241	34	35	35	37	30	34	32	35
UVRAG	Q9P2Y5	0.001056	0.000217	-0.238265	+	1.58237	-2.93375		16.6514	16.6916	16.5916	16.8921	17.0967	16.8689	16.8071	16.7509	8	9	7	10	6	7	7	7
CHUK	O15111	1.74E-10	8.04E-11	-0.237775	+	1.71384	-3.16967		15.3509	15.3129	15.3053	15.4659	15.7226	15.411	15.625	15.5795	14	12	15	13	13	14	13	14
DR1	Q01658	1.25E-07	3.98E-08	-0.23727		0.327576	-0.7703		16.7809	16.4942	17.4136	17.2246	17.0689	16.497	17.3357	17.5413	6	5	6	5	6	5	6	6
NISCH	Q9V21I	4.20E-13	3.37E-13	-0.237087	+	1.32949	-2.49525		15.1478	15.1428	15.1589	15.3908	15.5634	15.2562	15.5233	15.2009	11	12	10	12	12	10	10	9
PELO	Q9BRX2	1.58E-12	1.08E-12	-0.236256	+	2.8289	-5.52294		16.8768	16.8532	16.8026	17.1685	17.0965	17.0165	17.1289	17.0229	14	14	14	14	14	14	14	14
PPP2R2A	P63151	1.71E-08	6.05E-09	-0.23617	+	2.12662	-3.95775		17.0704	17.0706	17.0504	17.424	17.1539	17.2726	17.3011	17.348	14	14	14	15	13	14	15	14
CSNK1E	P49674	1.14E-14	1.42E-14	-0.235901		1.1998	-2.7623		15.865	15.9305	15.8305	16.2078	16.2623	15.824	16.1419	16.1201	8	10	11	10	9	7	10	9
PEX3	P56589	0.000351	7.73E-05	-0.235794		1.13875	-2.17407		16.2767	16.1583	16.3827	16.6608	16.2406	16.5726	16.5921	16.4759	4	3	4	3	3	4	4	5
ARHGEF40	Q8TER5	6.07E-15	8.16E-15	-0.235542	+	3.59682	-7.69086		15.5437	15.5508	15.6008	15.839	15.8358	15.7746	15.7316	16.8223	25	23	25	27	21	26	27	26
CD52	Q95674	8.27E-05	1.98E-05	-0.235512		0.966539	-1.88761		15.0944	15.2179	15.1384	15.5551	15.1898	15.365	15.6316	15.1873	5	6	5	6	2	5	6	6
DNAJB1	P25685	7.65E-08	2.50E-08	-0.235279		1.17706	-2.23812		17.2087	17.22	17.1763	17.5295	17.1727	17.3745	17.6365	17.4716	18	18	16	17	16	17	17	17
SGO1A	Q94964-2	0.000302	0.000565	-0.235131		0.286245	-0.68773		14.8831	14.701	14.8343	15.4182	15.8479	14.509	14.6483	14.7829	5	6	8	8	5	7	7	9
NPLC4	Q8TA76;Q8	5.32E-14	5.47E-14	-0.235043	+	2.2197	-4.14722		16.6031	16.533	16.6465	16.36	16.7759	16.7963	16.7763	16.8178	20	18	19	19	19	20	19	20
HERC1	Q15751	0.002365	0.000455	-0.234991		0.837379	-1.67268		13.5575	13.8837	13.7809	13.9296	13.7699	14.0917	14.2665	13.821	8	10	6	9	7	9	7	10
ACTB	P60709	1.90E-12	1.28E-12	-0.234925		0.481245	-0.05942		25.4805	25.3083	25.2554	25.2668	26.0921	25.6067	25.2069	25.7413	35	35	35	34	35	34	33	35
BTF3	P20290	7.57E-05	1.82E-05	-0.234855		0.971414	-1.89571		17.5996	17.721	17.591	18.1341	18.0042	17.6629	17.693	17.868	7	7	6	7	7	8	7	7
STAM2	Q75886	5.22E-13	4.07E-13	-0.234835		2.57808	-4.92558		16.5818	16.6259	16.6185	16.9168	16.9252	16.8193	16.7375	16.8191	14	13	13	14	12	13	13	12
ARHGAP35	Q9NRY4	2.88E-15	4.32E-15	-0.234615	+	1.30132	-2.4474		15.6729	15.7435	15.7062	16.1571	15.925	15.7108	15.9461	15.9716	37	38	38	38	31	33	37	36
ABRXAS2	Q15018	7.79E-09	1.09E-09	-0.234591		1.12067	-2.1439		15.7319	15.755	15.7168	15.6818	16.0531	16.1163	16.1	15.8946	11	11	11	10	11	10	12	9
SRPK1	Q96584;Q9	6.67E-11	3.31E-11	-0.234203		0.85939	-1.70941		15.1717	15.1697	15.2288	15.597	15.5151	15.0604	15.3451	15.6036	7	8	8	8	8	8	8	8
KIF7	Q2M1P5	6.40E-10	2.71E-10	-0.234162		0.48972	-1.07473		14.6134	14.6164	14.4355	14.4436	14.8713	14.6235	14.6387	15.3691	7	8	6	8	4	6	5	5
PHKB	Q93100-3	8.28E-07	2.43E-07	-0.234015		0.86416	-1.71736		14.9015	15.1713	15.116	14.9826	15.2395	15.3058	15.4868	15.4702	11	11	12	8	12	12	11	10
PTRH2	Q9Y8E5	9.95E-09	3.62E-09	-0.233796	+	2.06312	-3.83117		17.2757	17.2706	17.3009	17.6193	17.6023	17.3665	17.5048	17.4881	7	7	7	7	7	7	7	7
SHFL	Q9NUL5	3.22E-06	6.49E-07	-0.233773		1.14675	-2.18744		15.1299	15.0437	15.013	15.1676	15.3295	15.4583	15.4558	15.0687	8	8	9	8	7	7	9	8
RPS6KA3	P51812	1.30E-11	7.40E-12	-0.233681		1.47535	-2.74597		15.8598	15.8859	15.8423	15.9437	16.2094	16.2611	15.965	16.1027	25	27	26	26	23	27	28	26
TPRXK	Q9Y3C4;Q9	1.01E-11	5.88E-12	-0.233429		0.503415	-1.09937		15.2262	15.0087	15.4791	15.347	15.507	15.2758	16.0015	15.2257	3	2	4	2	2	2	2	3
PANK2	Q9B2Z3;Q9	1.61E-16	3.59E-16	-0.233302	+	1.59226	-2.95128		14.7789	14.7641	14.7532	14.7724	15.0545	15.0696	15.1017	14.9953	6	7	6	6	5	5	7	6
ARLB8	Q9NV12	1.96E-07	6.17E-08	-0.232881		1.0787	-2.07399		18.5441	18.5968	18.5021	18.8089	18.5138	18.9282	18.9664	18.6854	7	7	8	7	7	8	8	8
UBE2Q1	Q7Z7FE	0.001795	0.000356	-0.232778	+	1.96122	-3.63237		14.6042	14.5406	14.5515	14.6869	14.8466	14.6846	14.8686	14.9045	5	4	5	5	5	5	6	4
TMEM245	Q9H330	5.60E-15	7.59E-15	-0.232451	+	1.73806	-3.21384		15.2807	15.1017	15.1829	15.3651	15.3741	15.3059	15.5471	15.5122	4	4	5	4	4	4	3	3
MARK2	Q7K207;Q7	2.22E-12	1.47E-12	-0.232226	+	1.72465	-3.18935		14.8715	14.9332	14.9675	15.2291	15.0439	15.1485	15.3138	15.0463	10	10	10	10	7	10	9	8
EIF6	P56537	0.000842	0.000175	-0.232134	+	1.64357	-3.0428		19.1977	19.141	19.1794	19.3852	19.6069	19.3924	19.2567	19.3828	9	9	9	9	7	10	8	8
ARHGDI1A	P52565	1.37E-13	1.26E-13	-0.231659		0.997649	-1.93928		20.6591	20.6802	20.6581	21.0199	20.7935	20.8218	20.674	12	12	12	11	12	12	12	12	12
BRAP	Q72569	1.26E-05	3.26E-06	-0.231646		0.510461	-1.13274		13.698	14.1475	13.6495	13.7954	NaN	13.9364	14.1018	14.3982	3	3	3	NaN	4	3	2	2
EHTM2	Q96KQ7;Q9	0.002526	0.000482	-0.231637		0.706766	-1.48987		13.6065	14.0565	13.8495	13.917	NaN	14.0073	NaN	14.3433	2	5	4	5	4	NaN	4	3
MAPRE1	Q15691	6.63E-13	5.00E-13	-0.231598		0.875285	-1.7359		17.8511	17.8464	17.8719	18.2653	17.7063	18.0803	18.1862	13	12	13	12	12	12	13	13	
DVL1	O14640-2	9.49E-10	3.94E-10	-0.231211		1.26836	-2.39163		14.8884	14.7101	14.8405	15.278	15.0793	14.9716	14.8841	15.008	5	6	4	9	5	6	4	6
CREG1	Q75629	9.53E-07	2.77E-07	-0.231179		0.282415	-0.67994		15.8125	15.7032	15.1849	15.7155	15.1778	15.6556	16.6122	15.8291	2	1	2	2	1	2	3	1
UBL5	Q9BZL1	5.79E-09	2.17E-09	-0.231175		0.625198	-1.31342		16.7542	16.8275	16.8879	17.2463	17.2283	16.5465	17.0783	17.1724	4	4	4	4	4	3	4	4
PSMB5	P28074-3	1.81E-08	6.38E-09	-0.230714	+	1.90274	-3.52056		19.1309	19.1527	19.1172	19.2357	19.2934	19.4314	19.5106	19.3505	7	7	7	7	7	7	9	7
FKBP4	Q02790	8.17E-21	7.57E-20	-0.230647		0.982841	-1.91468		17.2374	17.3512	17.3094	17.8185	17.3328	17.3563	17.5489	17.5935	30	32	30	32	26	30	32	31
WDR6	Q9NNW5	2.18E-11	1.19E-11	-0.230594	+	2.2179	-4.14352		15.5643	15.6706	15.6505	15.7757	15.9174	15.8289	15.9752	15.798	12	12	12	10	7	8	10	10
DYNC1L11	Q9Y6G9	1.84E-13	1.63E-13	-0.230578		1.06509	-2.05134		17.4827	17.5802	17.5863	17.7685	17.9726	17.4879	17.8931	17.7793	23	22	22	22	21	21	23	22
NF2	P35240;P3	3.30E-13	2.72E-13	-0.230423	+	1.63277	-3.02345		15.6144	15.582	15.5624	15.9822	15.7963	15.745	15.6609	15.8989	18	18	18	17	16	18	17	17
EIF4B	P23588	3.51E-10	1.54E-10	-0.230405	+	2.13958	-3.98383		17.2517	17.3864	17.3958	17.6664	17.492	17.631	1									

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
POP1	Q95975	1.81E-16	3.97E-16	-0.224593		0.598923	-1.2679		15.0224	14.9524	14.9481	15.6274	15.1822	14.9124	14.9418	15.3308	18	17	18	18	14	16	14	16
VDAC2	P45880	1.02E-15	1.74E-15	-0.224174	+	1.80138	-3.33042		19.6217	19.6438	19.641	19.6795	20.05	19.783	19.8567	19.8392	13	14	14	14	14	14	13	13
IRAK4	Q9NNW2	1.99E-07	6.25E-08	-0.224143		1.1269	-2.15429		18.6678	16.9422	16.8613	17.3522	17.1696	16.9965	16.9067	17.148	8	9	10	10	8	8	6	8
RAB5A	P20339.P2	2.65E-05	6.65E-06	-0.224093		1.14323	-2.18156		18.7544	18.8846	18.7724	18.8552	19.1099	19.0346	19.2267	18.8721	4	4	5	5	5	4	4	4
PPP3R1	P63098	3.86E-14	4.12E-14	-0.22395		0.303566	-0.72264		15.035	14.7768	14.8789	14.2153	15.2577	15.4161	15.4235	15.2917	5	5	6	4	5	6	6	6
GDAP2	Q9NXX4.Q	2.58E-07	8.03E-08	-0.223929		0.884006	-1.75042		14.7906	14.7527	14.756	14.7748	14.9817	15.3277	15.3037	15.3228	6	6	6	6	6	7	7	5
ALG13	Q9NP73.2	0.000262	5.87E-05	-0.223826		0.947305	-1.85566		15.8526	15.9019	16.0448	16.0156	16.0042	16.1094	16.4689	16.1866	6	4	4	5	5	5	4	5
MPP1	Q00013.Q	1.86E-12	1.26E-12	-0.22368	+	0.831856	-1.71356		17.0911	16.9792	16.9254	16.9574	NaN	17.2924	17.1823	17.4569	5	5	4	4	NaN	5	3	2
PNPLA6	Q8IY17.Q8	1.38E-09	5.62E-10	-0.223642		1.64303	-3.04183		16.2081	16.2357	16.1895	16.3744	16.5393	16.4879	16.5232	16.249	21	23	22	26	20	24	24	23
STRN4	Q9NRL3.Q8	1.32E-22	2.06E-21	-0.223642	+	2.83799	-5.5455		15.787	15.7801	15.8161	15.9319	16.0166	16.0247	16.117	16	19	17	17	16	16	17	18	16
GLS	Q94925	1.03E-12	7.42E-13	-0.223132		0.754722	-1.53409		18.3805	18.4234	18.3817	18.6016	18.3066	18.9216	18.7843	18.4775	29	29	28	28	28	28	29	29
LIMA1	Q9UHB6	2.12E-14	2.44E-14	-0.22298		0.536664	-1.15865		18.0603	18.0381	18.0788	18.1597	18.5398	18.5508	17.7795	18.3804	44	45	44	44	44	44	44	45
FOX1	P10109	0.009392	0.001617	-0.222925		0.992058	-1.92999		15.8543	15.5774	15.647	15.6967	16.134	15.8239	15.9517	15.9728	2	2	2	2	1	3	2	2
GOLIM4	O00461	1.10E-11	6.32E-12	-0.222876	+	1.35863	-2.54492		15.6056	15.7211	15.8006	16.112	15.8212	15.9023	15.8104	16.0139	21	20	21	21	18	20	21	21
ABHD17B	Q5V5T6.Q5	2.00E-18	7.97E-18	-0.22261		0.438565	-0.98144		14.2499	14.3643	14.3115	15.1444	14.5642	14.1231	14.4203	14.4039	3	5	6	7	3	5	5	5
RELCH	Q9P260.2	7.48E-12	4.45E-12	-0.222415	+	1.78569	-3.30137		16.2174	16.2852	16.3115	16.3804	16.5405	16.4351	16.6564	16.4564	3	3	3	3	3	3	3	3
SYNM	O15061	0.003147	0.000584	-0.222226		0.809055	-1.62532		14.5829	14.7626	14.7642	15.0678	15.0897	15.093	14.6672	14.7097	11	10	10	10	11	11	9	11
SSR4	P51571	3.90E-07	1.19E-07	-0.221801	+	1.37199	-2.56776		19.8875	19.8875	19.9165	19.9366	20.2668	20.1754	20.1799	19.9721	6	6	6	6	6	6	6	6
LDHA	P00338	8.60E-22	1.03E-20	-0.221243		0.840125	-1.67727		22.033	22.084	22.0842	22.4232	22.5448	22.1571	21.9866	22.3299	29	30	30	31	31	30	30	30
SSR1	P43307	1.83E-12	1.24E-12	-0.221223		1.11078	-2.12742		20.2828	20.3329	20.3616	20.3514	20.5298	20.7467	20.6948	20.4122	6	6	6	4	4	6	5	5
AKAP10	Q43572	0.00035	7.70E-05	-0.221114	+	2.02738	-3.76086		14.8824	14.9711	15.065	15.1222	15.1892	15.2646	15.2747	15.1208	7	7	7	7	5	5	5	5
SPC5	P61009	7.74E-09	2.85E-09	-0.220926	+	1.79545	-3.31943		18.294	18.3207	18.3147	18.4967	18.426	18.443	18.6887	18.5991	5	5	5	5	5	5	5	5
RELCH	Q9P260	6.21E-13	4.73E-13	-0.220898		1.22761	-2.32295		15.6355	15.6545	15.7659	15.7807	16.0233	15.8923	16.0914	15.7399	25	23	24	22	23	20	22	22
CNOT4	Q95628-01	1.27E-05	3.30E-06	-0.220833		1.06405	-2.04961		14.7514	14.5557	14.5848	14.9851	14.9179	14.5951	14.783	14.9764	3	3	3	3	7	6	5	7
PRDX6	P30041	1.01E-08	3.66E-09	-0.220669		0.166724	-0.43147		21.5063	21.4541	21.5374	20.6601	21.9825	21.745	22.9561	21.2556	23	23	25	24	24	24	25	23
UBE4B	Q95155.O7	1.39E-10	6.51E-11	-0.220553	+	3.00123	-5.96204		15.6	15.6358	15.7028	15.878	15.9056	15.7819	15.9	15.8684	25	24	24	24	16	23	21	22
UTP20	Q75691	1.93E-10	8.87E-11	-0.220409	+	2.89986	-5.70078		14.6387	14.7023	14.5778	14.9387	14.8449	14.81	14.8581	14.8482	21	23	24	28	22	25	29	24
RICTOR	Q6R327.Q	2.37E-15	3.65E-15	-0.220085	+	1.42878	-2.66534		14.5207	14.5404	14.4492	14.6199	14.7016	14.6353	14.9534	14.7074	12	12	12	11	9	7	14	6
STAU1	Q95793.O7	1.03E-13	9.80E-14	-0.219957	+	2.13147	-3.9675		16.6525	16.6495	16.6381	16.9324	16.9798	16.7491	16.8073	16.8649	12	21	22	15	21	22	19	
GAN	Q8H2C0	1.89E-11	1.04E-11	-0.219717		0.813428	-1.63264		14.8035	14.7916	14.817	14.7538	15.1637	15.2913	15.0772	14.8327	6	6	5	5	5	5	5	4
HEMT1	Q8H9B1	1.30E-05	3.36E-06	-0.219522		1.00088	-1.94464		13.6855	13.6895	13.4246	13.8601	13.9167	13.5944	13.9524	13.645	3	5	5	5	2	3	6	
REXO4	Q9GZR2	2.61E-05	6.55E-06	-0.219337		0.858833	-1.70848		14.0422	14.3221	14.2388	14.6738	14.5727	14.2512	14.3058	14.2983	7	9	8	6	6	7	4	5
FASTKD5	Q7L8L6	0.000128	2.99E-05	-0.219138		0.76707	-1.55487		15.8012	15.7315	15.585	15.8578	15.8323	15.742	15.8578	16.3142	2	2	1	2	1	2	2	
SHROOM3	Q8TF72	7.23E-12	4.34E-12	-0.219038		0.33173	-0.77847		14.6686	14.6351	14.5525	14.0092	15.0438	15.0894	14.9172	15.1292	17	16	17	9	9	16	12	15
TRMT5	Q32P41	2.64E-11	1.41E-11	-0.218978		0.933125	-1.83211		14.4151	14.5883	14.6763	14.7065	14.6465	14.929	14.6079	15.0045	11	8	11	10	4	11	6	6
PAK2	Q13177	1.64E-14	1.95E-14	-0.218418		1.18155	-2.24565		17.3705	17.4872	17.4324	17.8789	17.5781	17.5716	17.48	17.7338	21	20	22	20	20	21	21	22
NAMPT	P43490	3.10E-13	2.59E-13	-0.218083		0.779426	-1.57564		17.3466	17.4052	17.3922	17.8749	17.7094	17.2914	17.4428	17.6787	19	20	20	21	20	20	21	21
LRRC8A	Q8IWT6	9.50E-05	2.25E-05	-0.217783		0.388367	-0.88762		15.823	15.7502	15.7459	16.4218	15.8031	15.3792	16.1025	16.2475	9	8	12	12	7	7	8	11
CFB	Q13951.2	0.001639	0.000327	-0.217767		0.843954	-1.68366		16.347	16.2644	16.084	16.6428	16.2734	16.4486	16.2372	16.6459	1	1	1	1	1	1	1	1
ZC3H7A	Q8IWR0	8.82E-06	2.33E-06	-0.217657	+	1.9238	-3.56065		14.9985	15.0785	15.0934	15.3645	15.3601	15.149	15.2026	15.2962	16	17	17	18	16	16	15	15
JP12	Q9H910.Q	3.87E-14	4.13E-14	-0.217637		0.201258	-0.50868		17.2468	16.3844	17.0825	17.4313	17.1514	16.0963	17.1091	17.8229	6	6	6	6	6	6	6	6
DHRS7B	Q6LIANO	5.90E-13	4.52E-13	-0.217429		0.784542	-1.58423		15.1211	15.0887	15.1558	15.0524	15.2281	15.5568	15.2685	15.5794	11	10	11	9	9	11	12	11
VAPB	Q95292	8.73E-14	8.48E-14	-0.217199	+	2.01696	-3.74049		16.7143	16.743	16.7195	17.0423	16.8577	16.8369	17.0382	16.9388	8	9	8	8	8	8	8	9
PDE12	Q6L8Q7	1.12E-09	4.63E-10	-0.217054	+	1.32466	-2.48704		16.6626	16.6914	16.6264	16.9485	17.0228	16.6558	16.8153	16.9435	11	12	12	13	11	12	13	12
DI12	Q5TDH0.Q	7.12E-11	3.50E-11	-0.216864		0.839861	-1.67682		15.5156	15.4941	15.5251	15.4972	15.6767	16.0634	15.7973	15.6077	6	7	7	7	7	7	7	6
NEGR1	Q7Z381.Q	0.002029	0.000398	-0.216346		0.198632	-0.50291		14.8773	14.5505	14.7999	13.8555	15.7837	15.2528	15.0917	14.8111	1	1	2	1	1	1	1	1
DIMT1	Q9UNQ2	3.42E-15	4.99E-15	-0.216325	+	1.41695	-2.64494		15.4059	15.4875	15.5136	15.6634	15.6264	15.5287	15.7255	15.8825	11	11	11	11	10	11	11	10
SLC25A11	Q02978	3.30E-09	1.28E-09	-0.216143	+	1.44711	-2.69701		17.8972	17.9855	17.9213	17.9521	18.1522	18.2347	18.2945	18.1207	15	15	15	15	15	15	15	15
RPS27	P42677	0.000224	5.05E-05	-0.216079		1.26375	-2.38385		18.3572	18.3707	18.4344	18.8347	18.5717	18.448	18.6503	18.5129	3	3	3	3	3	3	3	3
PSAP	P07602.P0	4.65E-12	2.87E-12	-0.216071		0.733608	-1.49846		16.1915	16.0624	16.2875	16.2202	16.2728											

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
DCAF13	Q9NV06	1.21E-08	4.35E-09	-0.211146		0.772715	-1.56437		14.89	14.9639	14.7897	15.393	14.8969	14.8692	15.1048	15.198	11	11	11	12	7	12	9	8
ARSA	P15289;P1	1.23E-14	1.52E-14	-0.210921		0.722602	-1.47984		17.7563	17.7494	17.7064	17.6462	18.1535	18.1341	18.0701	17.7377	8	8	8	9	8	9	8	9
FAM8A1	Q9UBU6	6.78E-10	2.86E-10	-0.210738		0.470074	-1.03915		15.483	15.2522	15.206	15.0069	15.6544	15.6533	15.8586	15.4492	3	5	3	4	4	5	5	2
SLC38A1	Q9H2H9	0.001393	0.000281	-0.210517		0.220352	-0.55016		13.9347	13.6891	13.6995	13.8249	13.2641	14.4056	14.8397	13.5903	3	2	3	1	1	3	3	2
SLC38A5	Q8WUX1	5.61E-05	1.37E-05	-0.210135		0.234448	-0.61365		15.3547	15.2518	15.5357	16.0272	NaN	15.1545	NaN	NaN	3	1	3	3	3	2	NaN	NaN
DDX56	Q9NY93;Q8	1.46E-19	8.55E-19	-0.210135	+	2.36317	-4.44908		14.6619	14.7637	14.7393	14.9683	14.9743	14.8107	14.9348	14.978	13	13	14	14	9	11	13	12
RAB24	Q969Q5	1.20E-10	5.67E-11	-0.209865	+	1.97296	-3.65503		15.3748	15.3329	15.3762	15.5459	15.6816	15.6085	15.594	15.4258	6	5	6	7	5	6	5	6
YME1L1	Q96TA2;Q8	1.22E-14	1.51E-14	-0.209859		0.918986	-1.80861		15.3554	15.3779	15.309	15.6635	15.5385	15.2566	15.5538	15.774	16	13	13	14	14	13	16	17
NAALADL2	Q58DX5	0.008997	0.001553	-0.209836		0.284113	-0.68339		13.616	13.2944	13.5088	13.6629	14.068	13.6221	14.1665	12.895	2	1	2	2	2	3	5	1
ZFP91	Q96JP5	0.001837	0.000363	-0.2098		0.253465	-0.6385		12.0346	12.9089	12.9773	12.834	13.076	12.6403	NaN	NaN	2	1	3	2	1	1	NaN	NaN
CWC22	Q9HC68	0.000588	0.000125	-0.209735		0.969841	-1.8931		14.6804	14.3901	14.4389	14.467	14.7976	14.6722	14.8208	14.8068	3	8	7	4	4	4	7	5
RPS28	P62857	0.000228	5.15E-05	-0.209703		0.274786	-0.66436		12.8891	21.683	21.7038	21.9889	22.642	21.2768	21.6819	22.2521	4	4	4	4	4	4	4	4
ABHD16A	Q9S870	7.62E-05	1.83E-05	-0.209694		1.1056	-2.11878		15.1928	15.2245	15.2507	15.6756	15.3683	15.4484	15.2208	15.4487	11	14	11	12	8	12	11	11
PICALM	Q13492;Q1	2.11E-09	8.34E-10	-0.209362	+	1.51817	-2.82068		18.0235	18.0994	18.0689	18.3344	18.1029	18.3625	18.3785	18.1881	18	19	18	18	17	19	19	19
PCDC5	O14737	0.000624	0.000132	-0.209289		0.162814	-0.42253		17.5019	16.9657	18.2166	18.3287	17.9558	16.8028	17.5245	18.5722	6	6	6	6	6	6	6	6
SCAMP2	O15127	3.42E-05	8.52E-06	-0.209278		1.20316	-2.28187		17.0319	17.7747	17.5118	17.7992	17.9558	17.8129	17.7876	17.6569	1	1	1	1	2	1	2	1
KDEL2	P33947	1.03E-08	3.75E-09	-0.209139		0.604263	-1.27717		17.9938	18.0426	17.796	17.8545	17.9852	18.1002	18.4908	18.3357	2	2	2	2	2	2	2	2
ADLR1	Q8NSI2	0.000474	0.000102	-0.208948		0.262755	-0.6396		16.2612	16.7802	16.4793	16.3547	17.3698	16.2763	17.1784	16.4002	2	2	2	2	1	2	1	2
OTUD7B	Q6GQC9;Q1	0.001526	0.000307	-0.208825		0.857444	-1.70616		15.5564	15.7095	15.6846	15.8906	15.5177	15.9663	15.9076	16.0129	8	8	9	8	7	8	9	9
HGBP4	P22692	1.58E-06	4.49E-07	-0.208807		0.56484	-1.20835		15.3419	15.2809	15.46	15.4689	15.8653	15.1638	15.5435	15.8071	5	5	5	6	5	6	4	2
CLTC	Q00610;Q6	1.90E-15	3.00E-15	-0.208776		2.36914	-4.46192		20.2741	20.3163	20.291	20.5664	20.5894	20.4284	20.5015	20.422	92	92	93	92	91	94	91	90
KAT7	Q95251;Q9	3.63E-07	1.11E-07	-0.208706		1.22469	-2.31804		14.6359	14.4315	14.5514	14.9032	14.6121	14.6162	14.762	14.848	5	4	6	3	1	3	2	2
TAD3	Q75526;Q1	1.30E-08	0.65E-09	-0.208658		0.542336	-1.16869		13.1267	13.8211	13.5919	13.7082	13.9197	13.7473	13.465	13.7693	1	2	1	2	2	1	1	2
NCK2	Q04639	2.37E-11	1.28E-11	-0.208613		0.689939	-1.42439		14.9223	14.8413	15.0491	15.0978	15.495	14.8695	15.0381	15.2306	8	10	7	7	7	5	3	7
EEF1A1	P68104	5.31E-11	2.69E-11	-0.208575	+	2.61867	-5.01912		22.8878	22.9941	22.9313	23.1075	23.2248	23.1893	23.125	23.085	36	35	35	35	35	34	33	33
KIF1B	P60333;Q1	1.85E-11	1.03E-11	-0.20838		0.408768	-0.92605		15.6625	15.976	15.6586	16.4491	16.2008	15.6487	15.6109	15.8777	4	35	4	3	2	3	2	3
EEF1G	P26641	7.09E-07	2.10E-07	-0.208222	+	2.39127	-4.50968		20.6884	20.7251	20.6795	20.8559	20.8331	20.9228	21.0312	20.8665	21	20	21	2	20	21	20	20
USP33	Q8TEY7;Q8	0.000746	0.000157	-0.208205		1.00182	-1.94621		14.4156	14.0384	14.2059	14.6217	14.4053	14.4021	14.2918	14.199	1	2	1	2	1	3	3	2
MON1B	Q7L1V2;Q1	0.002586	0.000492	-0.208169	+	1.47262	-2.74124		15.0777	15.0428	15.0052	15.0555	15.4002	15.2732	15.2817	15.2403	5	5	4	4	4	4	4	4
DDX10	Q13206	1.21E-22	1.95E-21	-0.208082		1.21666	-2.30454		15.413	15.5028	15.5408	15.611	15.8166	15.4792	15.7825	15.7788	10	11	10	6	6	10	9	9
CFAP36	Q96G28;Q1	3.55E-08	1.21E-08	-0.208044		1.03148	-1.99548		14.8252	14.7018	14.9785	14.8123	15.1297	15.0431	15.1948	15.0362	5	5	5	4	3	5	4	3
AKAP11	Q9UKA4	4.99E-18	1.78E-17	-0.20803		1.25533	-2.36963		14.4604	14.4783	14.454	14.892	14.5054	14.718	14.5822	14.664	14	19	18	18	13	15	12	13
DDX47	Q9H054	2.11E-11	1.15E-11	-0.207746		1.08908	-2.09127		15.3874	15.5078	15.4544	15.8403	15.7585	15.4351	15.6557	15.7784	13	15	11	12	10	15	15	16
RP11	Q9HY92	5.76E-06	1.54E-06	-0.207707		1.04698	-2.02123		17.0603	16.9072	16.874	16.9654	17.3571	17.0292	17.2057	17.217	3	3	3	3	3	3	3	3
SMARCC1	Q92922	1.76E-06	4.99E-07	-0.207561		0.936508	-1.83773		15.4446	15.4218	15.4058	15.6359	15.6483	15.3197	15.7396	15.8147	9	7	9	8	5	6	6	5
EP515L1	Q9UBC2;2	5.17E-15	7.11E-15	-0.207303	+	2.12463	-3.95375		16.4275	16.4123	16.4542	16.6111	16.7083	16.5746	16.7497	16.5494	30	31	32	29	25	30	30	28
AATF	Q9NY61	1.05E-07	3.40E-08	-0.207289		0.837597	-1.67304		14.6367	14.7098	15.0582	14.5301	14.8048	14.9176	14.8078	14.77	8	8	8	5	7	7	7	7
KAT8	Q9H726	0.004409	0.000796	-0.206771		0.562228	-1.22824		14.7623	14.4862	14.3585	14.7057	NaN	14.4345	14.9477	14.8819	2	2	3	2	3	1	1	2
HECTD1	Q9ULT8	2.25E-13	1.94E-13	-0.206643	+	1.43942	-2.6837		15.6611	15.7381	15.6619	15.8292	16.105	15.795	15.8305	15.9088	48	49	49	45	37	42	42	42
CAMSAP2	Q08AD1;Q1	6.57E-12	3.96E-12	-0.206555		0.81738	-1.63926		14.6067	14.637	14.6548	14.515	15.0106	14.744	14.9258	15.0016	14	14	14	13	11	14	13	12
GRS1	Q12849	7.66E-13	5.69E-13	-0.206439		0.911079	-1.79546		16.3464	16.2726	16.3248	16.7284	16.4966	16.2768	16.409	16.6944	11	11	10	12	11	11	13	11
TRA2A	Q13595;Q1	8.23E-08	2.68E-08	-0.206262	+	1.43999	-2.68469		17.3204	17.378	17.2863	17.6039	17.5884	17.2982	17.5117	17.5869	8	8	8	8	8	8	8	8
SERPIN6	P35237	4.12E-12	2.57E-12	-0.206213	+	1.34835	-2.52737		19.0005	18.9916	19.0193	19.4114	19.1923	19.1963	19.0276	19.2224	22	22	22	22	22	22	22	22
TMED5	Q9Y3A6	1.78E-14	2.11E-14	-0.206143		1.13805	-2.1729		16.6496	16.7486	16.7588	17.1439	16.7833	16.7737	16.9506	16.9742	6	6	7	7	6	6	7	7
ITGA8	P53708	6.80E-05	1.64E-05	-0.205877		0.125111	-0.33714		13.7997	13.85	13.8128	NaN	14.7212	12.4921	14.3976	14.496	4	2	5	NaN	14	5	5	2
USP34	Q70C02	0.002572	0.000489	-0.205823		0.655929	-1.36629		14.7857	14.6216	14.369	14.7904	14.9432	14.5341	14.6761	15.046	6	10	8	6	5	4	4	6
AAMP	Q13685	7.94E-19	3.58E-18	-0.205774	+	1.95182	-3.61429		15.0754	15.0525	15.0709	15.3152	15.3004	15.1224	15.3745	15.2476	7	8	8	8	8	6	6	8
RBMY1	Q9Y4C8	5.17E-07	1.56E-07	-0.205551		1.79622	-3.32086		14.371	14.3927	14.343	14.6544	14.4653	14.4597	14.6505	14.6423	8	9	7	9	5	8	8	7
SF3B4	Q15427	3.42E-14	3.70E-14	-0.20542		1.11766	-2.13889		17.2102	17.1127	17.199	17.293	17.2471	17.2587	17.571	17.5272	5	5	5	5	5	5	5	5
AFDN	P55196;P5	1.82E-12	1.23E-12	-0.205339	+	1.45356	-2.70817		14.5325	14.5767	14.7414	14.8037	14.9947	14.7337	14.7759	14.8029	11	14	15	15				

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control 1	Log2 MS2_quantity_ Control 2	Log2 MS2_quantity_ Control 3	Log2 MS2_quantity_ Control 4	Log2 MS2_quantity_ Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
CERS2	Q96G23	9.32E-16	1.61E-15	-0.200106		0.856775	-1.70505		16.6238	16.5586	16.7802	17.0296	16.6839	16.6378	16.9606	16.9596	4	4	4	4	4	4	4	4
RIOX1	Q9H6W3	3.99E-05	9.88E-06	-0.19992		0.797273	-1.60559		14.9241	15.3006	15.1556	15.4226	15.6178	15.3166	15.1636	15.2295	5	4	5	5	5	3	4	5
GORASP2	Q9H8Y8;Q	1.87E-08	6.57E-09	-0.199864	+	1.49691	-2.78352		17.5444	17.553	17.6612	17.6301	17.8022	17.8581	17.9134	17.7265	9	10	9	9	8	10	9	9
RALGAP1	Q6GYQ0;Q	0.000588	0.000125	-0.199267		0.593016	-1.25762		13.9063	13.7104	13.3305	13.7342	14.0527	13.7946	13.9888	13.6685	3	2	2	2	2	2	2	2
EPHA2	P29317	3.70E-14	3.97E-14	-0.199151		0.579184	-1.23348		15.4111	15.2648	15.3719	15.5845	15.4465	15.3833	15.9927	15.3352	17	15	15	15	16	15	15	14
GLRX3	Q76003	8.45E-12	4.98E-12	-0.198982	+	1.8692	-3.45713		17.5412	17.5368	17.5384	17.7499	17.7906	17.5719	17.5993	17.8174	14	15	15	15	16	15	15	15
CLEC16A	Q2KHT3	2.65E-05	6.66E-06	-0.198906		1.11239	-2.13009		14.8916	14.9887	14.9393	15.2922	15.052	14.9896	15.3154	15.0447	4	8	7	9	4	5	7	4
PPP6R1	Q9UPN7	4.25E-08	1.43E-08	-0.198768	+	3.60778	-7.72614		15.2621	15.269	15.1832	15.4157	15.4232	15.4779	15.4169	15.4506	11	11	13	12	10	12	12	9
PRPF39	Q86UA1	3.39E-12	2.16E-12	-0.198624		0.393519	-0.89736		14.8258	14.6122	14.7368	14.7095	15.4913	14.5292	14.9011	14.9865	5	7	4	3	3	3	2	3
MPHOSPH6	Q9NS47	3.70E-07	1.13E-07	-0.198504		0.398952	-0.90761		13.5954	13.5292	13.5929	14.2046	13.5983	13.3958	13.5365	14.1199	2	2	2	2	1	2	1	2
VP552	Q8N184	9.83E-11	4.71E-11	-0.198498		0.843596	-1.68306		15.6127	15.4041	15.4373	15.4451	15.8497	15.5606	15.861	15.6998	13	15	13	10	13	14	14	14
NSD3	Q9BZ95;Q	0.025332	0.004185	-0.198491		0.362409	-0.83807		14.4854	13.9842	14.3788	14.3119	14.0539	14.373	14.9338	14.7338	2	12	3	3	1	1	2	1
AMZ2	Q86W34	0.003231	0.000597	-0.198406		0.498172	-1.08995		14.9513	14.9004	14.99	15.2938	15.428	15.0783	15.2776	14.6505	3	3	1	2	1	3	1	1
PTCD1	Q7S127	0.002165	0.000421	-0.197914		0.33542	-0.7857		13.0595	13.1755	13.2643	13.5908	13.3943	12.7029	13.3208	13.8128	2	3	3	3	2	1	2	1
MED20	Q9H944	0.003437	0.000631	-0.197643		1.24441	-2.35123		14.9156	14.8421	14.9045	14.9198	15.1403	15.0355	15.0405	15.2889	5	5	5	2	4	5	4	4
MPHOSPH10	O00566	8.86E-07	2.59E-07	-0.19742	+	2.90997	-5.72643		14.6021	14.5864	14.5504	14.8408	14.7178	14.7832	14.7254	14.8181	9	12	12	8	8	9	9	11
VP513A	Q96RL7;Q	0.01261	0.002138	-0.197282		0.632104	-1.32533		16.1225	16.1014	16.2473	16.6966	16.1011	16.3239	16.4877	16.1624	4	3	1	2	1	2	3	1
CBL	P22681	1.33E-15	2.20E-15	-0.197111		0.562333	-1.20395		15.8464	15.7811	15.7517	16.3286	16.1378	15.6911	15.733	16.0603	11	12	10	13	11	9	10	9
CVBA	P13498	6.46E-06	1.73E-06	-0.196925		0.144066	-0.37907		14.2822	14.2879	14.3135	13.0339	15.1355	14.9356	15.0158	14.3365	1	1	1	2	2	1	2	2
TRIM4	Q9C037;Q	1.30E-09	5.32E-10	-0.19687		1.15274	-2.19745		14.9773	15.0011	14.9675	15.3114	15.1214	15.3216	14.9587	13	13	15	13	8	14	12	11	
SCAF8	Q9UPN6	1.12E-06	3.24E-07	-0.196669		0.755019	-1.53459		14.8189	14.6823	14.7463	14.8578	15.2875	14.7255	14.8986	14.9597	5	5	5	6	4	4	3	4
UST	Q9Y2C2	0.000982	0.000203	-0.196607		0.320523	-0.76638		14.5762	14.5602	14.6602	15.3202	NaN	14.9567	14.3484	14.5566	1	2	2	2	NaN	2	1	1
TENM2	Q9N768;Q	7.88E-06	2.09E-06	-0.196571		0.341301	-0.79719		15.2075	15.2832	15.2449	14.8584	15.6064	15.1604	15.7692	15.8056	9	10	10	10	10	13	12	10
CMC1	Q7Z7K0	0.000265	5.93E-05	-0.196535		0.556565	-1.1938		15.8381	15.8283	16.0834	15.836	16.4349	16.0147	15.9508	16.3293	3	3	4	3	2	3	4	3
PRRC2A	P48634	7.17E-18	2.39E-17	-0.195985	+	2.38988	-4.50667		15.3747	15.4272	15.4307	15.721	15.5872	15.5312	15.5974	15.5973	23	23	26	22	18	19	20	23
TTCTA	Q9ULT0;Q	6.19E-05	1.50E-05	-0.195749		0.340218	-0.79508		14.8807	14.9325	14.9168	15.0033	14.4632	15.5735	15.2807	15.1955	4	3	3	3	2	4	3	3
DPP4	P27487	6.20E-07	1.85E-07	-0.195682		0.114617	-0.30863		18.2139	18.2151	18.15	16.8038	17.799	19.2609	19.2007	18.8788	29	32	31	26	28	33	32	33
ACP1	P24666	6.03E-11	1.11E-11	-0.195632	+	1.97948	-3.66763		18.1606	18.1182	18.1789	18.2674	18.3346	18.4959	17.8134	18.3291	7	7	7	7	7	6	7	7
POLR2M	POCAP2.P0	1.73E-07	5.48E-08	-0.195556		0.91351	-1.7995		14.496	14.3288	14.6646	14.5666	14.9103	14.7399	14.5969	14.6443	5	5	6	5	5	5	5	5
SARS2	Q9NP81	3.22E-13	2.66E-13	-0.19547	+	1.69335	-3.13248		15.3571	15.3718	15.4393	15.482	15.6292	15.7333	15.5141	15.5657	12	11	10	11	9	11	10	10
KRT80	Q6KB66;Q	0.002998	0.000559	-0.195448		0.139093	-0.37084		12.7717	12.7113	13.1136	13.7298	12.6405	NaN	12.0335	13.8401	3	1	3	5	2	NaN	2	1
LMF2	Q9BLU2;Q	4.14E-07	1.26E-07	-0.195414		0.813856	-1.63336		16.9879	16.9321	16.9426	16.8413	17.2951	17.1017	17.3513	17.1585	11	12	12	12	11	12	12	12
SELENOO	Q9BVL4	6.41E-12	3.88E-12	-0.195403	+	1.30522	-2.45402		14.7475	14.665	14.7759	14.871	15.0912	14.7623	14.8852	14.9895	11	13	13	11	9	10	11	10
GET1	O00258;Q	0.007983	0.001387	-0.195372		1.05714	-2.03813		15.0353	15.0179	15.0124	15.3655	15.211	14.9474	15.2745	15.2877	3	4	3	3	2	3	4	4
BIN1	O00499;Q	6.40E-13	4.86E-13	-0.195367		0.806326	-1.62075		15.9032	15.8678	15.9174	15.9199	16.2171	16.4409	16.0394	16.0302	17	17	17	17	16	16	16	15
SLC39A14	Q15D43;Q	0.000193	4.39E-05	-0.195252		0.863654	-1.71652		16.3495	16.2684	16.3053	16.6824	16.2011	16.4513	16.5662	16.6138	2	3	3	3	3	3	3	3
KIDINS220	Q9ULH0;Q	6.20E-07	1.85E-07	-0.195002		0.5473	-1.17746		14.012	14.1461	14.4769	14.6673	14.0698	14.4527	14.4926	14.3508	7	11	10	13	6	10	9	9
DGKH	Q86XP1;Q	0.006572	0.001155	-0.194997		0.198587	-0.52971		14.1238	13.2263	14.0129	13.9155	NaN	14.0499	NaN	NaN	1	1	1	1	NaN	1	NaN	NaN
TMED1	Q13445	1.46E-11	8.24E-12	-0.194982		0.918693	-1.80812		16.9275	16.8173	16.9824	17.0704	17.0251	17.0643	16.7316	16.894	6	6	6	6	6	6	6	6
PIGU	Q9H490;Q	5.95E-05	1.45E-05	-0.194794		0.87714	-1.73898		16.2644	16.3371	16.4631	16.5399	16.5239	16.2859	16.7532	16.6453	3	3	4	3	3	4	4	4
PTRH1	Q86Y79	2.28E-07	7.14E-08	-0.194776		0.388084	-0.88708		14.805	14.949	14.6626	15.2729	15.0447	14.4646	14.8708	15.3487	2	2	2	2	2	2	2	4
CDCA28PA	Q5VT25;Q	2.21E-11	1.21E-11	-0.194707		0.766983	-1.55473		15.1517	15.1289	15.1129	15.2687	15.3373	15.4231	15.5843	15.016	31	35	36	32	25	34	33	28
TBC1D7	Q9PDN9;Q	0.015304	0.002574	-0.194483		0.429381	-0.98006		15.1981	15.0699	15.01	15.3204	NaN	15.2988	14.8667	15.6627	3	3	2	3	NaN	2	2	1
NSUN2	Q08J23	2.49E-10	1.12E-10	-0.19443	+	3.7507	-8.19856		16.1354	16.1392	16.1608	16.3653	16.3074	16.369	16.2885	16.3675	29	31	30	31	27	31	28	28
RAB2B	Q8WUD1	5.56E-09	2.09E-09	-0.194394	+	2.27581	-4.26382		19.4782	19.542	19.51	19.7561	19.6371	19.6701	19.806	19.653	11	11	11	10	11	11	11	11
GRB10	Q13322;Q	1.65E-12	1.12E-12	-0.194158	+	1.31453	-2.46982		14.5463	14.4439	14.3743	14.8436	14.5973	14.6079	14.5385	14.6577	7	5	4	5	4	5	2	4
GTTF2HC	Q6P1K8	0.004422	0.000798	-0.194124		0.616432	-1.29827		13.8715	13.9925	13.875	14.1152	14.1274	14.0234	14.4761	13.7935	7	8	8	6	2	4	3	5
Ctcf43	Q9BWL3;Q	0.001761	0.00035	-0.193228		0.379151	-0.9028	NaN	15.3266	15.2011	15.0878	15.4123	NaN	15.7428	15.5854	NaN	1	1	1	1	1	NaN	1	1
NEDD1	Q8NHV4;Q	0.002388	0.000459	-0.193222		0.731383	-1.4947		14.7999	14.7932	14.9357	15.0423	14.8697	14.8666	15.3802	15.022	6	7	6	7	4	6	6	6
SDCBP	O00560-2	1.18E-05	3.08E-06	-0.1931		0.67863	-1.40512		15.5486	18.478	18.4773	19.0226	18.7938	18.4809	18.4801	18.6945	11	11						

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
SLMAP	Q148N4;Q148N5	0.000115	2.69E-05	-0.190012		0.410274	-0.92887		14.2751	14.2006	14.3739	14.5438	14.1991	14.7831	14.7901	14.05	4	4	5	5	3	4	4	3
GSTZ1	Q43708;O4	3.16E-07	9.74E-08	-0.190003		1.19483	-2.26789		15.3848	15.3569	15.3916	15.8005	15.4734	15.4459	15.5481	15.571	2	2	2	3	1	3	2	2
AP3B1	O00203;O0	2.60E-10	1.17E-10	-0.189925	+	3.09495	-6.21149		17.3032	17.3205	17.2982	17.4374	17.571	17.469	17.5171	17.4918	48	47	47	48	45	47	47	46
DPLS2	Q16555	2.50E-12	1.64E-12	-0.189719		0.80735	-1.62247		20.7291	20.7444	20.677	20.6663	20.9677	20.9106	21.1872	20.8011	22	22	22	22	23	24	23	22
NDUFAB3	Q9UBU1	1.79E-11	9.95E-12	-0.189633		0.908787	-1.79165		16.0208	16.0084	16.131	16.4202	16.041	16.2961	16.0849	16.373	4	5	4	5	4	5	5	5
DKK3	Q9UBP4	2.60E-06	7.24E-07	-0.18936		0.207174	-0.52162		16.7087	16.6286	16.6389	16.3652	17.4175	16.0747	17.4005	16.9828	7	8	6	7	6	7	8	8
HSP90AB1	P08238	5.57E-18	1.95E-17	-0.189137		0.896942	-1.77195		21.1815	21.2006	21.1932	21.661	21.3916	21.198	21.2558	21.3982	52	52	53	51	51	51	50	51
RP513	P62277	0.000776	0.000163	-0.188651		0.80425	-1.61728		21.3473	21.1475	21.1205	21.185	21.6455	21.3801	21.293	21.4652	8	8	8	8	8	8	8	9
SEC16A	O15027;O1	1.09E-13	1.02E-13	-0.1886		0.920326	-1.81083		16.166	16.1346	16.1547	16.2578	16.1523	16.5	16.5503	16.2416	41	39	39	41	31	41	41	37
ZMIZ1	Q9ULI6	9.34E-05	2.22E-05	-0.188439		0.773848	-1.56627		15.3611	15.4001	15.1918	15.3897	15.6432	15.3784	15.7645	15.3548	5	3	3	3	3	3	4	3
B2M	P61769	3.19E-11	1.68E-11	-0.188377		0.22539	-0.56098		18.039	17.5752	18.3319	17.3572	18.5083	18.0474	18.5321	18.407	4	4	4	4	4	4	4	4
MAP3K3	Q99759;Q8	0.026406	0.004357	-0.188313		0.296597	-0.70865		14.587	15.1349	15.014	15.2788	14.4646	15.0755	15.1465	15.5362	2	1	1	2	2	1	1	1
SMN1	Q16637;Q1	2.84E-07	8.79E-08	-0.188027	+	1.57122	-2.91401		16.6466	16.6364	16.6321	16.7941	16.9236	16.7807	16.9471	16.6865	4	4	4	4	3	3	5	4
SHISA4	Q96007	0.00017	3.91E-05	-0.18788		0.836159	-1.70064		16.3192	16.5384	16.4511	16.8481	16.443	16.5352	16.7611	16.5331	2	2	2	2	1	2	1	1
RPL6	Q02878	1.54E-14	1.86E-14	-0.18754	+	1.71229	-3.16686		19.2297	19.4337	19.2813	19.4498	19.5981	19.4552	19.542	19.4673	19	18	19	18	19	18	19	19
WDR20	Q8TBZ3;Q8	0.001268	0.000258	-0.187504		0.966164	-1.88699		14.3723	14.4559	14.478	14.7637	14.7286	14.5033	14.72	14.399	4	5	6	2	4	5	4	5
WRAP53	Q9BUR4	2.51E-15	3.83E-15	-0.187024	+	2.54989	-4.86132		15.287	15.2605	15.1894	15.4484	15.4593	15.3848	15.4998	15.3711	3	2	3	3	2	3	2	3
RIOK3	O14730	4.94E-16	9.08E-16	-0.186966		0.626844	-1.31626		15.2222	15.3095	15.299	15.3633	15.5303	15.839	15.3608	15.226	5	7	6	8	3	7	6	4
ALG11	Q2TAAS	4.70E-09	1.53E-09	-0.186927		0.580597	-1.23596		15.4948	15.5424	15.3922	15.2918	15.7244	15.8712	15.881	15.5485	8	8	8	8	6	8	7	8
GAK	Q14976	1.60E-07	5.56E-08	-0.186921		0.92517	-1.81888		15.7717	15.7657	15.7585	16.2295	15.9544	15.7712	15.8571	15.949	18	21	19	22	16	17	21	18
TMEM181	Q9PDC4	3.90E-14	4.15E-14	-0.186782		0.332102	-0.7792		14.9276	15.0482	15.0399	15.6739	14.6966	15.3312	15.3865	14.8719	3	3	3	3	2	3	4	4
HHDH2	Q9H0R4	2.47E-05	6.22E-06	-0.186765		0.248646	-0.61023		15.7246	16.1513	16.1621	15.7844	16.7789	16.6477	15.7725	16.0087	7	6	7	6	6	6	6	6
ATPAF1	Q5TC12;Q5	5.16E-07	1.55E-07	-0.186582	+	1.39068	-2.59977		15.8739	15.8707	15.8111	15.9469	16.2709	16.4482	15.9545	16.0156	2	3	3	2	1	1	3	3
ICBP1	P78318	2.58E-17	7.21E-17	-0.186242		1.04093	-2.01118		16.4984	16.5356	16.5285	16.9004	16.6795	16.6507	16.4968	16.8079	12	14	14	12	12	12	12	13
MAP2K4	P45985;P4	1.13E-05	5.41E-06	-0.18581		1.34076	-2.51443		15.9387	15.9461	15.9637	16.111	16.2948	16.2033	16.1038	15.9637	7	9	7	7	7	8	8	10
ZNF148	Q9UQRI	0.000919	0.000191	-0.185725		0.429907	-0.96543		14.4186	14.4793	14.6571	14.9216	14.9026	14.1861	14.6422	14.8677	3	3	3	3	4	3	3	5
RARGC	Q9HB90	2.67E-10	1.20E-10	-0.185682	+	2.00565	-3.71842		17.0874	17.2201	17.2288	17.3787	17.3154	17.3752	17.4554	17.2975	12	12	12	12	10	12	12	12
RPL9	P32969	8.43E-06	2.23E-06	-0.185391		1.42419	-2.6574		19.9707	20.1497	20.0418	20.1659	20.4064	20.2453	20.1776	20.2023	8	8	9	9	9	9	9	9
PSFK2	Q43314;O4	1.86E-07	5.86E-08	-0.185212	+	2.04988	-3.80505		16.3492	16.2651	16.2206	16.4387	16.5167	16.3914	16.5506	16.42	23	19	19	19	17	19	21	20
SYN1	Q43426	6.21E-08	2.05E-08	-0.185183		0.831118	-1.66222		14.5465	14.5553	14.5419	14.9626	14.9035	14.5449	14.6271	14.6274	11	10	10	15	7	10	10	11
ARL10	O8N8L6	0.006196	0.001092	-0.185178		0.193821	-0.49741		14.5013	14.5495	14.8697	14.6385	NaN	14.1061	15.5477	15.009	1	2	2	1	NaN	2	3	2
YTHDF2	Q9Y5A9	6.22E-09	2.32E-09	-0.185176	+	2.30541	-4.32608		16.4085	16.4211	16.3463	16.639	16.528	16.4931	16.5849	16.6407	14	15	14	14	13	13	13	14
BPGM	P07738	2.14E-10	9.77E-11	-0.185018		0.222023	-0.55376		15.131	15.012	14.9697	14.7474	14.8866	15.5922	16.0217	14.8649	8	8	8	6	7	8	8	7
COG5	Q9UBP3;O0	3.10E-14	3.40E-14	-0.185003		0.657775	-1.36946		15.3705	15.4049	15.4308	15.2737	15.8192	15.6383	15.7575	15.4465	15	17	16	14	15	18	16	16
STK10	Q94804	2.66E-11	1.42E-11	-0.184814		0.708726	-1.45632		16.0011	15.9991	15.9596	16.2751	16.4133	15.9171	15.9809	16.2706	18	19	19	19	18	18	20	19
TERF2IP	Q9NBY0	1.98E-10	9.09E-11	-0.184797		0.472376	-1.04334		14.8317	14.9189	14.8655	14.9569	15.5551	14.9257	14.7855	15.0609	8	6	8	9	3	7	7	7
NSF	P46459	6.40E-20	4.24E-19	-0.184756		0.949836	-1.85987		17.6677	17.6739	17.6991	17.6171	17.8036	17.9097	18.0614	17.9333	38	40	42	39	41	39	41	40
PABPC1	P11940	1.54E-14	1.85E-14	-0.184635	+	1.54136	-2.86136		19.2284	19.2919	19.26	19.5336	19.5556	19.3085	19.3678	19.4582	29	30	30	30	28	30	30	29
IFIT5	Q13325	1.80E-12	1.22E-12	-0.184391		1.09792	-2.10599		16.1127	16.0923	16.0943	16.3006	16.5807	16.0449	16.27	16.4135	14	13	13	13	13	15	16	15
ALDOA	P04075	2.64E-11	1.42E-11	-0.184371		0.951979	-1.86343		21.0184	21.0359	20.9804	21.2795	21.3872	21.1867	20.9414	21.1849	35	34	34	35	29	31	32	31
SESN3	P58005	1.16E-12	8.30E-13	-0.184366		0.427762	-0.96145		15.7559	15.6965	15.664	16.3031	15.6793	16.0503	15.9347	15.4818	1	1	1	3	1	1	1	1
FRX09	Q9UK97-2	0.00172	0.000342	-0.184225		0.375459	-0.87572		15.4443	15.3118	15.591	15.9616	15.1815	NaN	15.5928	15.797	4	6	4	3	NaN	5	3	
EIF4E	P06730;P0	2.55E-17	7.16E-17	-0.184205	+	1.85323	-3.42711		18.0557	18.1188	18.1457	18.4216	18.206	18.2985	18.2992	18.2293	9	9	8	8	8	8	8	9
COPE	Q14579	1.11E-08	4.02E-09	-0.184172		0.741227	-1.51133		18.0803	17.8946	18.315	18.4746	18.1776	18.117	18.3013	18.3336	15	14	16	16	14	16	16	16
GDPGP1	Q6ZNW5	6.30E-05	1.53E-05	-0.1841		0.339452	-0.79358		14.4097	14.2242	14.4314	13.9387	14.8246	14.901	14.5682	14.4634	2	1	2	1	2	2	2	2
FGGY	Q96C11;Q9	5.48E-05	1.34E-05	-0.184083		0.243355	-0.59911		14.1532	14.2866	14.0383	13.6263	15.0168	14.5059	14.1614	14.4069	4	5	4	3	4	4	3	5
PYM1	Q9BRP8;Q9	4.65E-09	1.76E-09	-0.183985	+	1.33276	-2.50082		16.135	16.1756	16.1861	16.2909	16.5066	16.2499	16.3303	16.3159	9	8	9	8	8	9	9	7
MOR3A	Q96B8X	7.03E-08	2.30E-08	-0.183883		0.698326	-1.43866		16.0333	16.1007	15.9836	16.4805	16.1892	16.2047	15.9106	16.3303	7	5	8	8	6	5	4	6
PVR	P15151;P1	0.000672	0.000142	-0.18382		0.692933	-1.42949		15.7794	15.9099	15.7914	16.2615	15.6807	16.0252	16.0154	16.0707	6	6	6	6	6	6	6	6
RPL7	P18124	1.85E-06	5.21E-07	-0.183309	+	1.3359	-2.50616		19.9913	20.268	19.9566	20.2514	20.2507	20.2784	20.2228	20.2731</								

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
PAPSS2	Q95340:Q9	4.49E-10	1.94E-10	-0.1793		0.385454	-0.8821		17.6121	17.7088	17.6813	17.5776	17.7487	17.764	18.4389	17.7042	24	24	24	24	25	24	25	24
SLC7A1	P30825	1.01E-11	5.88E-12	-0.17907		0.560558	-1.20083		17.0212	16.9845	17.0227	17.5546	16.8805	17.2734	17.0787	17.1557	5	5	5	6	6	5	6	6
NDUFV2	P19404	4.97E-10	2.14E-10	-0.178971		0.804426	-1.61757		17.8146	17.5404	17.9003	17.8184	17.9788	17.8783	18.1349	17.8432	8	8	8	8	7	7	8	7
MTHFD1L	Q6UB35	4.48E-13	3.56E-13	-0.178773		1.2555	-2.36992		16.5533	16.5828	16.5576	16.6488	16.7514	16.9496	16.7325	16.6345	25	25	25	23	24	25	23	23
RBBP1	Q9P2E9	2.78E-15	4.19E-15	-0.178308	+	1.62468	-3.00899		18.9631	18.9111	18.9159	18.9915	19.1568	19.1475	19.2052	18.9959	71	69	70	70	69	71	67	70
IMP3	Q9NV31	8.08E-05	1.93E-05	-0.177875		0.745351	-1.51829		16.013	16.1457	16.1541	16.4401	16.3959	15.9638	16.2776	16.3333	5	5	5	5	4	5	5	5
NABP2	Q9BQ15	0.009506	0.001635	-0.177863		0.324593	-0.7746		14.3077	14.1812	14.2924	14.4559	14.9637	14.0702	14.2634	NaN	1	2	1	2	1	2	1	NaN
LIN7A	O14910	0.000908	0.000188	-0.177795		0.930074	-1.82704		15.6882	15.5354	15.447	15.613	15.8848	15.74	15.8572	15.5785	5	4	4	4	4	5	5	4
MAPKAP1	Q9BPZ7:Q9	7.41E-05	1.78E-05	-0.177653		0.611769	-1.29019		14.4441	14.6162	14.6583	14.8071	14.8795	14.4676	15.0027	14.5955	3	3	4	3	4	5	4	3
PFKP	Q01813	5.23E-15	7.18E-15	-0.177555		0.206639	-0.52046		18.64	18.5748	18.6135	19.7392	18.2768	18.4479	18.6359	18.835	27	27	29	31	27	29	28	27
SLC14A	P43007	2.52E-11	1.36E-11	-0.177552		0.179558	-0.46051		16.535	16.4413	16.554	15.8277	16.4648	17.1273	17.497	16.5216	6	7	8	6	6	7	8	7
RNF114	Q9Y508	2.30E-10	1.04E-10	-0.177478		0.592073	-1.25598		16.4172	16.3025	16.3062	16.7582	16.631	16.4873	16.1424	16.5784	8	7	7	7	8	7	7	7
P4HA3	Q724N8	2.37E-10	1.07E-10	-0.177327		0.544867	-1.17317		14.3283	14.4753	14.2256	14.7599	14.4108	14.6949	14.5675	14.169	3	4	2	2	1	3	3	3
DNAJA3	Q96EY1	1.99E-08	6.97E-09	-0.177175	+	1.38088	-2.58298		16.5165	16.6578	16.6506	16.8482	16.8224	16.639	16.7302	16.8878	10	9	9	10	7	10	9	9
DDX52	Q9VZ84	5.74E-08	1.91E-08	-0.177162		0.994805	-1.93455		15.2357	15.1702	15.118	15.5163	15.1437	15.2623	15.4282	15.4085	7	7	8	6	6	6	6	7
PIGK	Q8TBF5:Q8	0.002555	0.000487	-0.176726		0.125138	-0.37721		14.0297	14.0025	13.9293	14.1203	13.5591	13.547	15.4291	NaN	2	2	2	2	2	1	3	NaN
MRPL41	Q8IXM3	1.40E-20	1.21E-19	-0.176709		0.574334	-1.4225		16.325	16.1542	16.3044	16.4074	16.8396	16.2438	16.3257	16.3731	4	4	4	4	3	4	5	5
CSNK2A1	P68400	1.50E-12	1.03E-12	-0.176609	+	2.68518	-5.17493		17.0777	17.1264	17.0802	17.3245	17.3002	17.1956	17.3013	17.2352	13	14	14	14	14	14	14	13
TPST1	P13693	7.10E-17	1.75E-16	-0.176376		0.926876	-1.82172		18.889	18.7428	19.0168	19.184	19.0804	19.037	18.8496	19.1452	12	11	11	12	10	11	11	11
UBC58	Q15386	2.76E-14	3.08E-14	-0.17634	+	1.75486	-3.2446		15.8496	15.8614	15.7903	16.0618	16.0877	15.9227	15.9082	16.0701	23	24	23	25	23	23	24	22
CTDSP1	Q9GUT2:Q9	0.009047	0.001562	-0.176247		0.158352	-0.41629	NaN	16.0293	16.0293	15.3576	15.6445	15.3493	15.5143	16.4016	16.4388	NaN	2	3	2	2	2	3	2
RP55	P46782	5.53E-10	2.36E-10	-0.175815		0.685022	-1.41602		21.0827	21.1256	21.083	21.3284	21.0683	21.0799	21.3165	21.5697	8	8	8	8	8	8	8	8
ARHGAP1	Q07960	1.83E-10	8.43E-11	-0.175479	+	1.30931	-2.46095		18.67	18.68	18.686	18.7691	18.7955	19.0642	18.8129	18.8304	28	27	28	27	28	27	28	28
PAH41	P13674-2	0.000139	3.22E-05	-0.175448		0.177325	-0.45549		17.0828	16.6575	16.7329	16.2297	17.9321	17.0758	16.6941	17.0675	2	2	2	2	2	2	2	2
RHBDP1	Q96CC6	0.002934	0.000549	-0.175251		0.890669	-1.76151		15.6213	15.5328	15.8625	15.7055	16.0329	15.6643	15.6796	15.6796	4	4	5	3	4	5	4	4
HEXB	P07686	1.57E-12	1.08E-12	-0.175178		0.389414	-0.8896		18.3784	18.3733	18.4221	18.3736	18.4596	18.6614	19.0909	18.2468	20	21	20	20	20	20	21	21
IRAK1	P51617:P5	0.000935	0.000194	-0.174178		0.460824	-1.02229		14.7732	14.8804	14.7298	15.1481	15.3162	14.7697	14.62	14.9892	7	5	6	4	4	3	4	5
IBTK	Q9P2D0:Q9	0.002156	0.00042	-0.17399		0.471582	-1.06007		13.7551	13.7635	13.6897	13.6062	NaN	14.2086	14.0647	13.7609	4	4	4	NaN	4	6	1	1
MICU1	Q9BPX6:Q9	1.16E-08	4.19E-09	-0.173732		0.800376	-1.61079		15.4441	15.5302	15.5136	15.9636	15.5444	15.6115	15.5274	15.7015	12	12	10	10	9	9	11	9
RPS29	P62373	0.000689	0.000145	-0.173644		0.613778	-1.29367		20.1608	20.0634	20.012	20.1864	20.6029	20.0312	20.1396	20.3017	2	2	2	2	2	2	2	2
CTPS1	P17812	1.24E-16	4.88E-16	-0.173621		0.775149	-1.56846		17.1513	17.2399	17.1688	17.4895	17.4119	17.0953	17.2603	17.5444	26	27	26	26	26	26	25	26
GRAMD1A	Q96CP6:Q9	0.005989	0.001057	-0.173285		0.231187	-0.57335		13.6613	13.4488	13.7221	14.143	14.4366	13.2093	13.6175	13.512	2	3	2	2	2	1	1	1
SCC2	Q43819	3.10E-05	7.74E-06	-0.173153		0.581613	-1.23773		15.4726	15.5241	15.4929	15.7303	15.8179	15.3138	15.9102	15.5764	3	3	3	3	1	2	3	3
DHRS4	Q9BT22	2.67E-06	7.42E-07	-0.173004		0.044587	-0.12787		17.2676	17.3048	17.22	15.1145	17.2115	16.8204	21.2282	16.8111	8	8	8	6	7	8	1	8
WARS2	Q9UGM6	1.17E-10	5.57E-11	-0.172824		0.689814	-1.42418		14.3376	14.5315	14.5309	14.7655	14.3208	14.7385	14.7386	14.6191	5	6	6	7	6	6	6	3
MED14	O60244	0.007319	0.00128	-0.172798		0.487819	-1.0713		14.7461	14.5849	14.7212	14.7644	15.2402	14.5476	14.7514	14.9807	7	9	7	8	2	5	6	8
MOC52	Q96D07	0.000158	3.65E-05	-0.172761		0.403077	-0.91537		16.0586	16.1983	16.0168	16.2443	16.6058	15.8641	16.0765	16.5293	5	5	5	5	4	5	5	5
SPG11	Q96J17	2.70E-05	6.77E-06	-0.172483		0.393348	-0.89704		14.2689	14.1962	14.1728	14.2669	14.8465	14.401	14.4498	13.9613	6	6	6	3	3	5	3	2
SDN1	Q7KZ64	3.09E-13	2.58E-13	-0.172192	+	2.69354	-5.19473		19.3617	19.4029	19.3579	19.5974	19.5977	19.6036	19.5213	19.4808	50	50	50	48	49	50	49	49
ATP11C	Q8NB49-3	3.82E-06	9.42E-07	-0.172117		0.245491	-0.6036		15.6149	15.654	15.5498	16.5635	15.6854	15.8075	15.3101	15.5254	17	18	17	15	7	15	13	13
FAS	P25445:P2	3.44E-09	1.47E-09	-0.171942		1.24443	-2.35127		15.308	15.3757	15.3317	15.3949	15.3919	15.6295	15.6372	15.4985	10	10	10	10	10	10	10	10
CORO1B	Q9R876	8.00E-10	3.35E-10	-0.171896	+	2.2378	-4.18464		18.7427	18.7495	18.696	19.0101	18.9039	18.8349	18.876	18.8815	18	18	18	17	18	18	17	18
DNAJC10	Q8IXB1	9.53E-10	3.96E-10	-0.171861		0.978677	-1.90777		17.3435	17.3536	17.3604	17.3042	17.7821	17.5691	17.7085	17.4619	15	15	15	14	15	15	15	15
DPH6	Q7LRW6	0.007439	0.001299	-0.171858		0.355141	-0.83568		14.1895	13.7771	13.6935	14.2162	14.0754	13.6704	NaN	14.2723	3	2	2	3	2	2	NaN	2
CRAT	P43155:P4	5.99E-12	3.64E-12	-0.171855		0.849571	-1.69303		16.4163	16.3373	16.3586	16.5432	16.7723	16.4681	16.3196	16.6097	16	16	17	16	14	16	16	15
TRUB10	Q9BUF5	1.71E-06	4.83E-07	-0.171751		1.00621	-1.9535		21.5262	21.5657	21.5389	21.9281	21.7784	21.6271	21.5456	21.6975	17	16	17	16	16	17	16	17
MPLP1	Q7Z7H8:Q7	3.40E-11	1.78E-11	-0.171642		0.388162	-0.88723		16.8177	16.765	16.5573	17.118	17.4848	16.4549	16.8142	16.792	2	2	3	3	2	2	2	2
MED17	Q9NVC6	0.001873	0.000369	-0.171592		0.466766	-1.051		16.5151	16.8935	16.6318	16.6038	16.7177	NaN	17.0205	17.065	8	8	6	7	5	NaN	5	5
GRIPAP1	Q4V328	5.92E-11	2.97E-11	-0.171588	+	2.08814	-3.88079		14.9774	14.9011	14.9523	15.0349	15.1176	15.1954	15.1691	15.0588	26	28	25	23	18	24	22	23
WASF2	Q9Y6W5	0.00034	7.48E-05	-0.171473		1.20644	-2.28738		17.2654	17.2825	17.3647	17.329	17.6571	17.4211	17.4845	17.486								

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
MARCKS	P29966	0.000297	6.60E-05	-0.166165		0.347865	-0.80996		17.9676	17.7353	18.3804	18.2516	17.8606	18.4838	18.4164	18.003	15	14	15	14	15	16	14	15
DNAI1	P31689	5.50E-11	2.77E-11	-0.165578		1.04336	-2.01522		16.9411	16.971	16.9304	17.1685	17.2357	16.8782	17.1505	17.1326	19	19	19	20	17	19	18	19
ENOPH1	Q9UHY7	6.52E-08	2.14E-08	-0.165336		0.911678	-1.79646		17.3908	17.285	17.4498	17.4315	17.6061	17.4139	17.7578	17.4944	6	6	6	6	6	6	6	6
RAB22A	Q9UL26	8.07E-11	3.93E-11	-0.165499		0.926271	-1.82072		16.9737	16.9428	16.8537	17.0452	17.2731	16.8747	17.1067	17.1449	6	7	6	7	7	9	7	9
AUP1	Q9Y679	1.17E-07	3.74E-08	-0.165245		0.641106	-1.34084		15.5215	15.55	15.4722	15.7621	15.5341	15.4014	15.8946	15.8068	9	9	10	8	9	7	9	9
TMED3	Q9Y3Q3	2.18E-11	1.19E-11	-0.1649		0.340858	-0.79633		17.5258	15.7936	15.8164	15.5474	15.9306	16.2131	16.3586	16.668	5	6	5	6	6	6	6	6
HP53	Q969F9;Q5	3.56E-07	1.09E-07	-0.164851	+	1.39034	-2.5992		14.5976	14.6115	14.5419	14.8499	14.8427	14.6381	14.7673	14.6444	10	11	10	9	8	9	9	9
COPB1	P53618	4.37E-16	8.22E-16	-0.164649	+	2.41982	-4.57174		18.4439	18.459	18.4158	18.6344	18.5455	18.6461	18.6547	18.5215	53	52	51	54	50	51	52	54
CWF19L1	Q69YN2	0.000244	5.47E-05	-0.16437	+	1.97635	-3.66157		15.1853	15.1514	15.2158	15.2723	15.4602	15.3121	15.3714	15.3267	5	7	7	7	5	6	6	5
RPS27A	P62979	6.60E-14	6.61E-14	-0.164241		0.533991	-1.15391		22.3868	22.4667	22.3385	22.5291	22.954	22.3254	22.4767	22.5228	12	12	12	13	13	13	13	13
TMEM63A	Q94886	7.20E-05	1.73E-05	-0.164025		1.24203	-2.34722		15.0507	15.0416	15.0384	15.1903	15.2365	15.354	15.2282	15.0291	4	5	4	6	5	5	4	4
TRAPPCC10	P48553	0.004716	0.000847	-0.163921		0.330856	-0.77675		13.3912	13.0354	13.0146	12.9171	13.1918	13.8013	13.3491	13.2957	1	2	3	1	3	1	1	2
CYH3	Q43739;O4	8.89E-05	2.12E-05	-0.163871		0.774252	-1.56695		15.3545	15.3609	15.4516	15.6051	15.2838	15.7415	15.5121	15.6219	4	5	4	5	4	5	5	5
VAMP3	Q15836	1.07E-08	3.87E-09	-0.16374		0.279153	-0.67329		18.6226	18.4877	18.6172	18.9732	18.6027	18.1509	18.7479	19.2331	5	5	5	5	5	5	5	5
SETD7	Q8WT56	2.62E-15	3.98E-15	-0.163676	+	1.78246	-3.2954		16.8343	16.7599	16.7273	16.8484	16.9365	16.9267	17.0534	16.9226	8	8	7	7	6	8	8	8
APAA1	Q43292	0.000112	2.62E-05	-0.16345	+	1.37447	-2.57201		16.3857	16.4779	16.3911	16.6858	16.5236	16.5285	16.6925	16.478	7	8	9	6	9	6	8	8
SDC2	P32856;P3	6.94E-20	4.52E-19	-0.163363		0.634876	-1.33011		15.0125	15.0699	15.0306	14.9401	15.1351	15.3544	15.4565	15.1189	6	7	5	7	4	7	6	5
CD37L1	Q7L386	1.39E-10	6.52E-11	-0.16301		0.620876	-1.30595		13.8327	13.89	13.8051	13.7449	14.1893	14.1171	14.1568	13.8198	7	6	7	4	4	6	4	4
DDX3Y	Q15523	2.79E-19	1.51E-18	-0.162848	+	1.61143	-2.98536		18.7	18.7525	18.7106	18.9622	18.9703	18.838	18.7568	18.8921	30	30	31	34	30	31	35	30
STOM	P27105	2.55E-15	3.49E-15	-0.162804		1.25367	-2.36684		18.8397	18.8261	18.841	18.9687	18.9117	19.0622	19.1648	18.8847	10	11	10	10	10	10	12	10
SOLE	Q14534	1.09E-10	5.17E-11	-0.162775		0.212927	-0.53413		14.8772	14.919	15.0242	15.6433	15.2518	14.7749	14.3997	15.445	8	6	6	8	5	8	5	9
VPS29	Q9UBQ0	3.63E-11	1.89E-11	-0.162659	+	4.2362	-9.99609		18.1333	18.1334	18.1174	18.2901	18.326	18.2792	18.2615	18.2634	11	11	11	11	11	10	10	10
RAB38	P20337	0.000181	4.13E-05	-0.162362		0.248222	-0.60933		17.6042	17.4359	17.4831	17.9499	17.7556	17.2024	17.1899	18.166	8	7	8	7	7	6	7	7
DERL2	Q9GZP9	7.32E-05	1.76E-05	-0.162126		0.925395	-1.81926		19.3122	19.3391	19.2373	19.6614	19.4489	19.255	19.4863	19.4403	2	1	1	2	1	3	1	1
TRIM32	Q13049	5.47E-15	7.45E-15	-0.161994		0.94513	-1.85205		15.105	15.1475	15.0215	15.4733	15.1458	15.1206	15.2569	15.2701	19	19	19	21	20	19	19	20
CD2AP	Q9Y5K6	4.61E-07	1.40E-07	-0.161917	+	1.41336	-2.63876		17.5561	15.7833	15.809	15.9262	15.8894	15.8916	16.0652	16.0261	16	18	17	18	16	18	18	16
MARCFH5	Q9NX47	1.34E-09	5.48E-10	-0.161802	+	1.31102	-2.46385		15.9612	16.002	16.0282	16.0991	16.0701	16.0937	16.3277	16.2042	8	8	8	8	8	7	8	8
EEF1D	P29692	1.66E-08	5.88E-09	-0.161801		2.15621	-4.01745		20.1721	20.1507	20.225	20.3673	20.3332	20.2418	20.3923	20.3875	17	15	16	15	16	17	16	16
CACUL1	Q86Y37	7.94E-07	2.34E-07	-0.16174		0.295283	-0.706		13.0404	12.7544	13.6451	13.4895	13.3904	13.2311	13.2979	13.7497	4	4	4	4	2	1	2	3
TMEM192	Q8IY95;Q8	3.48E-06	9.57E-07	-0.161475		0.553793	-1.18892		15.9376	15.9636	15.7309	15.9183	16.0551	15.8341	16.3811	16.0055	6	6	5	6	6	7	6	6
GLCE	Q94923	2.14E-12	1.43E-12	-0.161314		0.515701	-1.12136		15.6602	15.5513	15.2963	15.9666	15.9662	15.5976	15.4056	15.6805	2	4	5	4	2	3	5	5
TMEM106B	Q9NUM4	2.35E-09	9.25E-10	-0.161224		0.477729	-1.05305		16.6768	16.787	16.8386	16.8718	16.7816	16.9034	17.3582	16.7286	8	8	8	7	8	6	9	9
UBE2M	P61081	5.91E-08	1.96E-08	-0.160993		0.877967	-1.74036		18.1663	18.1932	18.1062	18.2668	18.2301	18.3585	18.5582	18.1675	7	8	8	7	7	8	7	8
SH2B1	Q9NRZF;Q5	0.00016	3.70E-05	-0.160788		0.201733	-0.50973		14.0332	13.7713	13.7842	13.2663	14.6877	13.861	14.1205	14.1828	3	4	3	3	1	3	2	2
BMP2R1	Q13873	0.002094	0.000409	-0.160335		0.259285	-0.63983		14.4887	14.5277	14.1235	14.9158	NaN	14.4418	14.0484	14.7551	1	2	4	NaN	2	2	2	2
AP4E1	Q9UPM8	0.000239	5.38E-05	-0.159826		0.466523	-1.03269		14.0741	14.0349	14.1366	14.0831	14.0715	14.508	14.5348	14.0109	6	8	7	6	4	9	6	6
MTAP	Q13126	1.75E-05	4.94E-06	-0.159523		0.380618	-0.87291		17.4322	17.4137	17.3906	17.7728	17.1746	17.907	17.6671	17.3367	18	19	20	17	20	20	17	17
MED16	Q9Y2X0;Q5	0.00102	0.00021	-0.159471		0.567497	-1.21301		13.6488	13.9684	13.9855	14.2385	14.1863	13.8376	13.9437	13.9291	6	5	5	4	3	5	5	5
HDLBP	Q00341	1.29E-12	9.05E-13	-0.159432		1.09083	-2.09418		18.8742	18.9538	18.9078	18.9189	19.0303	19.2189	19.1788		66	67	66	67	67	68	67	67
EIF3E	P60228	1.86E-10	8.58E-11	-0.159375		1.20953	-2.29257		18.6743	18.6289	18.6151	18.8644	18.8559	18.6034	18.79	18.8801	19	19	19	19	19	18	19	19
MYL12B;MYL12A	Q14950;P1	0.000354	7.79E-05	-0.15926	+	2.70143	-5.21348		22.2757	22.2543	22.3691	22.451	22.4999	22.471	22.4283	22.4444	4	5	4	4	4	4	4	4
TOMM34	Q15785	1.48E-09	6.00E-10	-0.159239		0.390581	-0.89181		16.8897	16.8868	16.888	17.2523	17.1583	16.6323	16.8449	17.3492	13	13	13	14	15	14	14	15
DENR	Q43583	5.88E-05	1.43E-05	-0.159163		0.736057	-1.5026		16.9225	17.1062	17.0971	17.0172	17.179	17.4598	17.2075	17.142	9	9	9	9	9	9	9	9
TMX3	Q96J17	2.63E-13	2.24E-13	-0.159049		1.01396	-1.96636		17.686	17.7185	17.7597	17.8191	18.0007	17.7985	18.0431	17.7408	18	16	18	16	15	17	18	18
CENY	Q8ND76	8.82E-14	8.56E-14	-0.158908		0.48926	-1.0739		15.6389	15.9975	15.9806	15.8418	15.96	16.375	16.0204	15.959	5	6	6	4	3	4	4	4
WIPI1	Q5MNZ9;Q	1.74E-09	6.95E-10	-0.158845		1.26493	-2.38584		16.038	16.1731	16.1374	16.1667	16.2578	16.4012	16.3521	16.1964	9	9	9	8	7	8	7	9
BRIX1	Q8TDN6	2.46E-16	5.07E-16	-0.158551	+	1.52845	-2.83869		16.2688	16.3634	16.2876	16.3973	16.3777	16.465	16.5895	16.526	15	16	16	16	14	16	17	15
PPP2R1B	P30154;P3	0.000518	0.000111	-0.158257		0.814848	-1.63502		18.6115	18.6164	18.7451	18.9387	18.7317	18.6027	18.8288	18.9776	9	8	8	11	10	10	10	11
FXR1	P51114	4.49E-10	1.94E-10	-0.158121		1.18272	-2.2476		16.5416	16.5567	16.5623	16.8692	16.6182	16.5939	16.6809	16.7958	28	28	27	28	26	28	26	27
NLN	Q9BYT8	3.65E-13	2.98E-13	-0.158063		0.766809	-1.55444		16.2828	16.3068	16.337	16.6503	16.5609	16.4769	16.1988									

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
VPS33A	Q96AX1	6.89E-09	2.56E-09	-0.154272	+	1.69072	-3.12772		16.0862	16.1557	16.0868	16.2117	16.358	16.299	16.29	16.1605	19	19	17	18	18	16	14	16
FCSD52	Q94868;O	0.022098	0.003665	-0.154055		0.235647	-0.58283		15.4585	15.2745	14.8837	15.1525	14.8837	14.9819	14.4001	15.0313	3	3	1	2	3	1	3	2
COPA	P53621	3.60E-21	3.71E-20	-0.15398	+	2.1845	-0.47499		18.7564	18.806	18.7254	18.9355	18.8652	18.9604	18.9733	18.8486	72	72	71	67	69	69	69	68
MGMT	P16455	4.89E-07	1.48E-07	-0.153641		0.667715	-1.38647		15.7359	15.5141	15.6774	16.0142	15.9684	15.7305	15.9694	15.7682	6	5	6	5	5	5	4	5
RPL7L1	Q6DK1	1.04E-06	3.01E-07	-0.153632	+	2.08323	-3.87103		15.8296	15.881	15.9112	15.9449	15.9945	16.0432	16.1014	16.0539	10	8	8	10	7	10	11	9
WR55	Q9H6Y2	1.98E-20	1.61E-19	-0.153551		0.609493	-1.28625		14.7975	14.8765	14.8568	15.0556	15.1516	14.6508	15.0844	15.0431	9	10	9	10	7	9	9	9
FBNP1	Q96RU3-2	7.31E-11	3.59E-11	-0.153546		0.776831	-1.57128		15.1587	15.2622	15.1691	15.611	15.3845	15.2945	15.2282	15.2331	13	14	12	15	13	13	12	13
SLC35B1	P78383	2.80E-05	7.02E-06	-0.153474		0.313184	-0.74183		14.9121	14.9177	15.1284	14.715	14.9168	15.2697	15.5859	15.2104	3	3	3	3	2	3	3	3
RP2	Q75695	1.93E-07	6.06E-08	-0.153374	+	1.56776	-2.9079		16.6888	16.7679	16.733	16.9167	16.9976	16.8914	16.7758	16.8347	9	9	10	10	8	9	9	10
SIRT5	Q9NXA8;O	7.98E-13	5.90E-13	-0.153352		0.805015	-1.61856		15.3914	15.3048	15.5853	15.4675	15.4466	15.6725	15.5928	15.7233	4	4	5	5	5	5	4	4
FSTL1	Q12841	8.47E-15	1.09E-14	-0.153204		0.245665	-0.60397		17.6113	17.5977	17.6404	17.1741	17.6635	18.0351	18.2971	17.6785	11	11	11	10	11	11	11	11
TOX4	Q94842;O	7.99E-11	3.89E-11	-0.1531	+	2.02688	-3.75989		15.4248	15.5011	15.4298	15.696	15.5787	15.5924	15.5314	15.6264	7	7	7	7	4	4	5	5
ANKMY2	Q8IV38	1.20E-09	4.94E-10	-0.152955		0.355547	-0.82484		14.6269	14.6643	14.6605	14.9421	15.1877	14.3471	14.7044	14.8363	9	8	8	9	6	8	9	7
PDZD8	Q8NEN9	6.01E-14	6.08E-14	-0.152945		0.833828	-1.66675		14.824	14.9249	14.926	15.0301	15.1582	14.7938	15.1072	15.1335	7	7	8	9	7	8	9	9
EBNA1BP2	Q99848	1.25E-16	2.89E-16	-0.152939	+	1.42635	-2.66114		16.4262	16.4197	16.4215	16.5803	16.4544	16.5414	16.7213	16.5796	10	10	10	10	8	9	10	9
BNPT1	Q95861	1.10E-11	6.36E-12	-0.152864	+	1.99834	-3.7042		14.2964	17.3459	17.3163	17.5374	17.398	17.4481	17.5434	17.425	14	13	13	13	10	13	13	13
PTPN11	Q06124-1	1.06E-14	1.33E-14	-0.152784		0.778195	-1.57357		16.7665	16.712	16.7321	16.7367	16.7474	17.0364	17.0829	16.8449	27	29	27	26	26	27	28	26
EMG1	Q92979	7.49E-14	7.39E-14	-0.152746		1.06111	-2.04472		16.0027	16.1537	15.9786	16.2317	16.3428	16.0537	16.1556	16.2049	11	11	10	11	11	10	11	11
MLF2	Q15773	0.000504	0.000108	-0.152714		0.378211	-0.86832		15.6144	15.6646	15.5441	16.2171	15.5387	15.6736	15.5069	15.8658	5	4	5	5	5	5	5	4
ZC3HAV1	Q722W4	9.51E-18	3.09E-17	-0.1525	+	1.74758	-3.23126		15.5488	16.6603	16.6377	16.8752	16.7905	16.7057	16.7323	16.737	31	32	32	31	29	30	31	30
TOR1A	Q14656	1.05E-10	5.01E-11	-0.152538		1.06277	-2.04748		16.6381	16.6134	16.6413	16.6479	16.9311	16.6874	16.8927	16.7583	11	12	11	12	11	12	11	12
COMMD3	Q9UB1	1.99E-12	1.34E-12	-0.152509		0.227334	-0.56513		16.4519	16.0985	16.4874	15.7626	16.5373	16.7052	16.8461	16.6409	8	7	8	6	7	7	7	7
ITSN2	Q9NZM3;O	6.55E-09	2.44E-09	-0.15219	+	1.31554	-2.47154		15.0435	15.0125	15.0603	15.2736	15.3104	15.1818	15.0652	15.1239	11	13	10	12	10	10	8	10
PDCD11	Q14690	5.43E-13	4.20E-13	-0.152035		1.33552	-2.53924		15.5411	15.5769	15.5266	15.7032	15.7228	15.541	15.7216	15.8127	40	42	42	42	33	41	42	38
BROX	Q5VW32	5.78E-12	3.52E-12	-0.151755		0.873292	-1.73257		16.5878	16.4599	16.492	16.5142	16.8648	16.7055	16.5526	16.688	9	9	9	9	9	9	9	9
SRSF10	Q75494;O	7.82E-07	8.75E-08	-0.151566		0.783438	-1.58238		16.6025	16.5915	16.6151	16.6851	16.9802	16.5422	16.7671	16.7984	7	8	7	7	7	7	7	8
RABGAP1L	Q5R372;O	1.35E-07	4.29E-08	-0.151413		0.480545	-1.05815		15.0546	14.977	15.0254	15.3795	15.1229	14.8474	15.0723	15.4301	14	12	13	12	10	11	14	14
UTX1	Q95747	3.24E-11	1.70E-11	-0.150866		0.654865	-1.36447		17.3055	17.2853	17.2966	17.2552	17.4977	17.3151	17.7306	17.4347	18	17	18	14	16	18	16	18
LOK14A	Q98V16	5.13E-07	1.55E-07	-0.150772	+	1.37358	-2.57047		15.4951	15.5112	15.4716	15.762	15.6451	15.498	15.6905	15.6216	15	16	17	16	13	15	13	16
CC2D1B	Q5TOF9-2	5.08E-08	1.69E-08	-0.150364		0.585226	-1.24404		15.79	15.7025	15.7323	16.2442	15.8618	15.8069	15.7774	15.7693	15	14	16	14	9	12	13	11
CALHM2	Q9HA72	4.22E-06	1.15E-06	-0.150128		0.495677	-1.08546		14.4067	14.236	14.405	14.1761	14.45	14.5808	14.7864	14.5036	3	3	4	3	4	3	5	4
NOSIP	Q9Y314	1.58E-13	1.42E-13	-0.150126		0.825841	-1.6534		15.2032	15.14	15.2063	15.5452	15.3442	15.2728	15.3707	15.1336	9	8	9	8	7	9	11	8
ENG	P17813;P1	1.17E-05	3.05E-06	-0.15007		0.68125	-1.40959		17.9108	17.9305	17.9832	17.9553	18.5054	17.8761	18.295	18.2262	13	14	14	13	12	15	13	13
ORC3	Q9UBD5;O	0.000106	2.50E-05	-0.149978		0.42202	-0.95078		14.0735	14.2648	14.19	14.2224	14.4077	14.0956	14.1704	14.7342	8	8	6	6	5	3	8	5
MATZ4	P31153	4.12E-17	1.08E-16	-0.149947		1.14324	-2.18157		18.0955	18.1582	18.1067	18.445	18.2101	18.2658	18.1421	18.2874	14	14	14	13	14	13	13	14
FAM160B1	Q5W0V3	2.16E-09	8.51E-10	-0.149908		0.578839	-1.23288		16.4662	16.4776	16.4496	16.3361	16.803	16.563	16.8269	16.543	15	15	15	15	13	12	15	14
CENPC	Q03188	0.005368	0.000954	-0.149673		0.112555	-0.31049		14.3946	13.9721	13.9525	13.5363	15.1121	14.1198	NaN	NaN	2	3	3	1	1	NaN	NaN	NaN
RP510	P46783	5.90E-07	1.76E-07	-0.149663	+	1.66438	-3.08018		21.379	21.2546	21.2973	21.4261	21.4364	21.3792	21.5492	21.5089	7	7	7	7	7	7	7	7
NIPSNAP3A	Q9UFN0	5.27E-13	4.09E-13	-0.149615		0.564564	-1.20787		16.7758	16.9169	16.7843	17.2637	16.758	17.0848	16.9111	16.8587	11	11	11	11	10	12	11	11
VPS39	Q961C1;O	2.30E-15	3.56E-15	-0.149404	+	1.43691	-2.67936		15.5331	15.5074	15.5211	15.5703	15.7669	15.6856	15.75	15.5769	21	23	22	23	16	21	24	23
RP516	P62249	5.61E-06	1.51E-06	-0.149388	+	1.67922	-3.10693		21.1323	21.1458	21.1068	21.1558	21.3782	21.2767	21.2858	21.2921	11	11	11	11	11	11	11	11
WBP4	Q75554;O	2.96E-05	7.41E-06	-0.149343		0.369748	-0.85216		15.2433	15.4162	15.443	15.7726	15.8	15.4685	15.4354	15.1076	4	4	4	4	3	3	4	3
TSTA3	Q13630	4.49E-13	3.56E-13	-0.149305		0.3749	-0.86201		17.6519	17.6155	17.6082	17.6767	17.4397	18.0934	18.0603	17.601	11	12	10	11	11	12	11	10
MTMR6	Q9Y217	5.06E-13	3.95E-13	-0.148887	+	2.24025	-4.18971		15.7027	15.7693	15.7393	15.8739	15.9159	15.8338	15.9649	15.8413	25	25	24	21	21	23	23	23
FLOT1	Q75955	3.29E-07	1.01E-07	-0.14886		0.496641	-1.0872		17.3617	17.3522	17.3328	17.8822	17.4806	17.2706	17.4056	17.4498	23	23	22	23	22	23	20	22
RBX1	P62877	1.44E-07	4.59E-08	-0.148842		0.552199	-1.18611		16.6809	16.3911	16.8136	16.6955	16.9038	16.5618	16.8679	16.8577	3	3	3	3	3	3	3	3
ABHD11	Q8NFV4	4.92E-05	1.21E-05	-0.14881		0.412599	-0.93321		16.0415	16.0054	16.1603	16.344	16.2474	16.1511	15.8216	16.5255	7	7	8	8	6	6	7	7
STRIP1	Q5VSL9	1.85E-11	1.02E-11	-0.148674	+	1.43633	-2.67836		15.7986	15.7124	15.7483	15.7991	16.0171	15.9288	15.9347	15.8292	17	17	17	15	11	15	16	15
SIDT2	Q8NB19;O	3.53E-05	8.77E-06	-0.148519		0.383495	-0.87838		15.8265	15.8118	15.6505	15.6122	15.9262	16.2222	16.139	15.6575	5	5	6	4	5	6	5	6
RAB6A	P20340-2	1.04E-06	3.01E-07	-0.148212	+	1.85321	-3.42707		1															

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control 1	Log2 MS2_quantity_ Control 2	Log2 MS2_quantity_ Control 3	Log2 MS2_quantity_ Control 4	Log2 MS2_quantity_ Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
CIQBP	Q07021	2.69E-06	7.48E-07	-0.144944		0.997161	-1.93847		18.1642	18.186	18.2894	18.4649	18.1801	18.334	18.4593	18.3525	6	7	7	7	6	7	6	7
NSFL1C	Q9UNZ2:Q	3.03E-10	1.35E-10	-0.14488	+	2.02635	-3.75884		17.6764	17.6523	17.6544	17.7869	17.915	17.7723	17.8036	17.7516	20	20	20	19	15	19	20	20
LAMP1	P11279	5.18E-07	1.56E-07	-0.144659		0.347373	-0.80901		20.7887	20.7885	20.7857	20.5237	20.8916	21.172	21.2733	20.8007	8	8	8	7	9	8	8	8
GALE	Q14376	0.000103	2.44E-05	-0.144619		0.418343	-0.94394		16.775	16.8371	16.893	17.1302	16.5346	17.1196	17.1061	17.0078	8	8	8	7	8	7	8	8
PAFAH1B3	Q15102	7.72E-13	5.72E-13	-0.144486		0.181806	-0.46556		17.811	17.7426	17.8576	18.3136	18.6191	17.6611	17.3185	17.8287	7	7	8	7	7	7	7	7
FAM210B	Q96KR6	0.001971	0.000387	-0.144348		0.165316	-0.42825		15.6807	15.8368	15.5952	16.2665	16.2922	15.2004	15.2761	16.2076	2	3	2	3	2	2	2	2
OSBPL1	Q9BXR4	3.21E-20	2.46E-19	-0.144245		0.720948	-1.47704		15.0483	15.1264	15.1155	15.3045	14.9601	15.2919	15.3708	15.2777	8	8	8	8	6	7	9	7
SYCL1	Q96KG9:Q	4.42E-11	2.27E-11	-0.144106	+	1.50511	-2.79784		16.8075	16.8985	16.8536	17.0172	16.918	17.0024	17.1181	16.931	29	29	28	28	26	27	28	29
PDGFRA	P16234	2.85E-11	1.52E-11	-0.144054		0.149447	-0.39165		16.0378	16.0132	16.0193	17.1906	16.1366	15.8763	15.5492	16.0846	30	31	27	33	26	29	24	26
ASAP1	Q9ULH1:Q	7.86E-14	7.72E-14	-0.143973		1.0494	-2.02525		15.7149	15.579	15.735	15.9353	15.9059	15.8228	15.6935	15.7441	19	19	20	20	19	19	19	18
VAV2	P52745:P5	9.11E-13	6.67E-13	-0.143883		0.69248	-1.42872		15.9115	15.8606	15.902	16.0672	16.299	15.9469	15.8517	16.0114	16	17	17	17	15	16	17	18
NOP16	Q9Y3C1	3.80E-05	9.41E-06	-0.143577	+	1.53402	-2.84847		15.3686	15.3429	15.3497	15.5259	15.4209	15.4482	15.4608	15.6308	8	8	9	8	7	8	8	9
NPLR3	Q12980	1.11E-05	2.89E-06	-0.143494		0.37532	-0.86281		15.3625	15.434	15.2113	15.2012	15.8541	15.3806	15.6505	15.3108	2	1	2	1	1	1	1	1
ATP2B1	P20020:P2	6.59E-15	8.79E-15	-0.143443		0.773249	-1.56526		17.8003	17.8227	17.8105	17.9126	18.2127	17.8036	17.9005	17.9437	39	38	37	36	38	39	38	36
EXOSC8	Q96B26	0.007096	0.001242	-0.143284		0.256344	-0.62629		15.1921	15.026	14.7569	15.5161	15.3217	14.5899	15.0372	15.2099	3	1	2	2	1	1	1	1
PGK1	P00558	2.48E-13	2.12E-13	-0.142928	+	1.39172	-2.60157		20.1266	20.0941	20.1289	20.2695	20.3636	20.3233	20.1364	20.2044	39	39	38	39	37	38	38	40
CSTF2T	Q9H0L4	2.68E-05	6.73E-06	-0.142844		0.605656	-1.27959		16.3005	16.368	16.593	16.6024	16.6483	16.5348	16.3166	16.7145	6	6	8	5	6	4	3	7
ARHGAP31	Q2M1Z3	3.84E-12	2.42E-12	-0.14268		1.20954	-2.29258		14.1866	14.0953	14.2286	14.3725	14.3528	14.3405	14.1485	14.3498	6	11	12	11	8	10	6	9
LFTM1	Q95202	1.50E-18	6.27E-18	-0.142182	+	1.63638	-3.02991		16.9321	17.0108	17.0347	17.2433	17.0517	17.1183	17.1276	17.1328	29	28	26	27	28	25	29	28
WDR17	Q8WNB7	1.19E-09	4.88E-10	-0.142155		0.336096	-0.78702		16.7328	16.779	16.8479	17.1436	16.5335	17.1428	17.0171	16.7322	17	18	17	17	15	17	17	16
PIRBP1	Q86P13:Q8	5.51E-07	1.65E-07	-0.141939		0.436537	-0.97769		15.9556	15.9287	15.9032	16.1309	15.6813	16.2104	16.3088	16.0152	4	4	4	4	3	4	4	4
SUGR1	Q8WNB2	1.00E-07	3.23E-08	-0.14182		0.32877	-0.77265		14.6958	14.4652	14.3087	14.791	14.8968	14.3199	14.3475	14.8035	5	6	5	4	5	4	5	4
MARK3	P27448:P2	4.53E-10	1.97E-10	-0.141742		0.477504	-1.05264		14.2505	14.2671	14.2974	14.6296	14.6808	14.3159	14.2372	14.2035	11	12	11	13	6	11	13	11
CXorf8	Q8TB03	6.19E-06	1.66E-06	-0.141719		0.736229	-1.50289		15.7338	15.8377	15.778	15.7703	16.0279	15.8045	15.8867	16.135	5	5	7	6	5	5	5	5
PKM	P14618	5.69E-14	6.61E-14	-0.14166		0.915346	-1.80255		23.1123	23.2115	23.1554	23.2806	23.4833	23.1313	23.3739	23.2738	48	47	48	47	48	47	48	47
SLC25A22	Q9H936	0.000124	2.90E-05	-0.141573		0.521515	-1.13173		16.5412	16.5714	16.5455	16.978	16.7621	16.4968	16.4767	16.7578	10	9	8	11	8	10	8	8
ARHGAP10	A1A456	2.44E-12	1.60E-12	-0.141487		0.326624	-0.76843		14.7051	14.7526	14.6299	15.3199	14.6256	14.9503	14.5757	14.7153	8	9	9	11	7	8	8	8
DCTN2	Q13561:Q1	4.46E-12	1.01E-12	-0.141332		1.00089	-1.94467		19.2164	19.1907	19.2051	19.3656	19.5134	19.181	19.294	19.3731	19	19	20	20	19	20	20	19
AP3M1	Q8Y2T2	7.48E-21	7.10E-20	-0.141271		1.22885	-2.32504		17.4269	17.4552	17.4602	17.5491	17.7527	17.6113	17.539	17.4914	15	14	14	11	13	12	14	13
LWRD1	Q8UFC0	1.88E-05	4.81E-06	-0.141171		0.642848	-1.34383		14.5116	14.5715	14.5287	14.8139	14.689	14.4137	14.6224	14.8532	4	7	4	7	5	3	6	6
CARHSP1	Q8Y2V2	3.19E-08	1.09E-08	-0.141153		0.238281	-0.58841		17.7017	17.8032	17.7201	18.5054	17.7074	17.6273	17.525	18.0523	6	7	6	6	6	6	6	6
AP1M1	Q9BXX5:Q8	2.40E-10	1.08E-10	-0.141149	+	1.31269	-2.46669		17.5591	17.5798	17.5755	17.8482	17.6047	17.6895	17.7652	17.6554	19	20	20	20	18	20	20	20
DBNL	Q9UIU6:3	4.89E-09	1.85E-09	-0.141093		0.803974	-1.61681		18.321	18.3104	18.2906	18.6778	18.3597	18.4985	18.3083	18.3977	18	18	17	17	17	17	18	18
TSC22D1	Q15714	0.000483	0.000104	-0.141088		0.073037	-0.20385		15.1692	15.0403	14.9936	16.1769	15.3255	15.8041	13.2164	15.521	1	1	1	3	1	1	1	3
JRGO	Q8WZ49	1.30E-08	4.67E-09	-0.140791		0.538308	-1.16156		16.4625	16.4009	16.3794	16.4881	16.3337	16.56	16.881	16.5125	13	15	14	13	17	13	11	11
WDR36	Q8N136	9.24E-08	2.99E-08	-0.140705		0.87095	-1.72867		16.1965	16.2121	16.2082	16.5732	16.2751	16.2151	16.3213	16.347	16	17	17	18	14	16	15	18
VCP	P55072	7.05E-15	9.28E-15	-0.140556		0.103862	-2.00733		20.1596	20.1369	20.1576	20.5031	20.4054	20.2777	20.0992	20.3272	54	54	53	52	51	50	53	53
CCDC58	Q4VC31	0.00017	3.91E-05	-0.14044		0.150359	-0.39377		15.2284	14.9076	15.5668	15.6428	15.4225	14.4641	15.4136	15.9305	4	4	4	4	2	2	3	3
SPAG7	Q75391	3.63E-05	9.01E-06	-0.140148		0.456784	-1.01491		14.78	14.8737	14.8975	15.2165	14.7059	14.7887	15.1235	15.1181	6	6	5	4	4	6	6	6
ANKS1A	Q92625	0.000368	8.08E-05	-0.140112		0.581409	-1.23737		15.7584	15.9446	15.6772	16.2102	15.9328	15.8129	15.8141	15.8976	3	6	6	5	4	7	4	2
TP53I3	Q53FA7	3.91E-08	1.32E-08	-0.140081		1.07139	-2.06182		17.9187	17.873	17.9424	18.0295	18.0805	18.2274	17.9747	17.9453	11	12	12	11	10	11	11	11
SLC25A24	Q6NUK1	3.15E-16	6.18E-16	-0.139794	+	1.68476	-3.11694		17.6478	17.678	17.5622	17.7313	17.7087	17.8714	17.7434	17.7076	18	19	18	18	19	20	19	20
MTX1	Q13505:Q1	3.07E-14	3.37E-14	-0.139733	+	2.10464	-3.91369		15.7025	15.6351	15.6838	15.851	15.891	15.7666	15.7789	15.7802	9	9	9	10	9	8	10	8
CHFR	Q96EP1:Q8	0.004264	0.000771	-0.139574		0.403802	-0.93089		13.5067	13.7401	13.7316	13.5715	NaN	13.7332	14.1168	13.7748	2	2	3	1	NaN	2	1	1
ACB05	Q5TRD3:2	7.16E-15	9.41E-15	-0.139363	+	1.91781	-3.54922		15.2505	15.3223	15.3336	15.4969	15.4416	15.3527	15.4879	15.4284	12	9	10	10	9	11	10	11
RABEP2	Q9H5N1	1.68E-12	1.15E-12	-0.139163	+	2.02404	-3.75432		15.7386	15.6678	15.7596	15.9123	15.8898	15.8415	15.8822	15.7801	13	13	13	13	10	13	13	11
SMAP1	Q8IYB5:2	0.00014	3.24E-05	-0.139008		0.648684	-1.35386		16.4439	16.4338	16.365	16.7465	16.4834	16.3017	16.5929	16.6419	3	3	3	3	3	3	3	3
RTCA	Q00442:Q1	3.77E-05	9.34E-06	-0.138956	+	1.48466	-2.76217		17.7342	17.8341	17.713	17.8815	17.8832	18.0073	17.8117	17.9132	10	9	10	11	9	12	11	11
FAM91A1	Q658Y4	2.36E-10	1.07E-10	-0.138908		0.997765	-1.93947		15.4904	15.5102	15.5057	15.5618	15.8515	15.6106	15.5695	15.6116	16	16	15	15	12	16	14	14
DYNLT1	P63172	4.86E-15	6.76E-15	-0.138839		1.00631	-1.9																	

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_NUP214_4	Log2 MS2_quantity_NUP214_5	Log2 MS2_quantity_NUP214_6	Log2 MS2_quantity_NUP214_7	Log2 MS2_quantity_NUP214_8	Log2 MS2_quantity_NUP214_9	Log2 MS2_quantity_NUP214_10	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
MAPK3	P27361	2.99E-12	1.92E-12	-0.135877		0.919402	-1.8093		17.6247	17.6576	17.6229	17.8496	17.6607	17.9155	17.6221	17.8069	13	14	13	14	13	14	13	14	13	
KLC1	Q07866-6	2.57E-12	1.68E-12	-0.135838		0.948078	-1.8569		17.0012	16.9923	17.015	17.1519	17.0135	17.0409	17.3228	17.1641	29	28	28	28	27	28	29	28	28	
LNPK	Q9C088;Q9	0.000217	4.91E-05	-0.135733		0.352391	-0.81874		17.1505	17.1942	17.2202	17.7271	17.4491	17.1952	16.9973	17.2515	10	9	10	9	10	9	10	9	9	
ATP6AP2	O75787;Q9	3.17E-07	9.76E-08	-0.135731		0.355209	-0.82419		16.068	15.9994	16.0926	16.3801	16.415	15.735	16.2626	16.1527	9	9	9	8	7	9	8	9	8	
RPA3	Q9H673	7.66E-11	3.74E-11	-0.135509		0.953506	-1.86596		17.5658	17.5492	17.5276	17.6475	17.8532	17.5661	17.7595	17.589	18	18	17	16	13	15	17	18	18	
NTS3B	Q96917;Q9	3.13E-17	8.55E-17	-0.135448		0.296714	-0.70888		15.0492	15.0954	14.975	14.8513	15.3418	15.4813	14.813	15.3892	6	6	6	5	4	6	6	6	6	
EIF2AK4	Q9P2K8;Q9	1.72E-12	1.17E-12	-0.135448		0.521741	-1.13213		15.444	15.4422	15.4829	15.6066	15.6773	15.25	15.656	15.7692	36	34	38	35	30	32	34	37	37	
EDEM3	Q9B2Q6;Q9	1.64E-12	1.12E-12	-0.135427		1.03181	-1.99602		14.8836	14.4907	14.4707	14.6561	14.773	14.4868	14.5269	14.6426	17	16	15	16	11	14	11	13	13	
NIBAN2	Q96TA1;Q9	9.05E-12	5.30E-12	-0.135335		0.832369	-1.66431		18.7476	18.7047	18.7076	18.9471	18.9995	18.6631	18.8887	18.7781	33	33	33	33	31	32	33	33	33	
VAMP7	P51809	1.67E-12	1.14E-12	-0.1353		0.55311	-1.18771		16.8037	16.828	16.7341	16.6707	16.9331	17.0565	17.1428	16.8164	8	8	8	8	8	8	8	9	9	
PLCD3	Q8N3I9	8.24E-07	2.42E-07	-0.135282		0.226764	-0.56391		15.5172	15.513	15.4478	14.967	15.7169	15.9617	15.9202	15.5739	7	6	6	7	7	7	6	7	7	
CENPE	Q02224;Q9	0.008703	0.001503	-0.13512		0.086394	-0.24034		14.9238	NaN	15.053	15.3206	16.2347	15.2032	14.485	14.3741	1	NaN	1	1	1	1	1	2	1	
GSTP1	P09211	8.54E-12	5.02E-12	-0.135036		0.361663	-0.83663		21.4083	21.4313	21.541	21.4289	21.6145	21.6032	22.015	21.3146	11	11	12	13	14	13	15	13	13	
ENMF7	Q9NPA0	8.33E-06	2.20E-06	-0.134947		1.20044	-2.27732		17.4078	17.4294	17.3656	17.5026	17.6528	17.5885	17.5404	17.395	6	6	6	6	6	6	6	6	6	
ATP5F1B	P06576	2.53E-12	1.66E-12	-0.134935	+	2.68022	-5.16318		21.0308	21.0643	21.0542	21.1469	21.2567	21.1782	21.1759	21.1657	25	25	25	25	24	24	24	24	24	
CIAPIN1	Q6FI81	1.18E-11	6.76E-12	-0.134438		0.792975	-1.59838		16.1988	16.187	16.1579	16.3366	16.4586	16.125	16.4318	16.2262	12	11	14	10	12	12	13	12	13	
SEC23A	Q15436	5.60E-19	2.69E-18	-0.134358		0.858436	-1.70782		19.1288	19.0729	19.0556	19.2938	19.0851	19.3808	19.2488	19.092	26	27	27	27	28	27	27	27	27	
CLIS75	Q15758	4.16E-09	1.59E-09	-0.134357		0.204396	-0.51556		19.0758	19.0798	19.1669	18.9841	18.7932	19.5908	18.9813	19.0298	12	12	13	11	10	11	11	12	12	
DUSP14	Q95147	0.000249	5.60E-05	-0.134218		0.622015	-1.30792		15.1094	15.0981	15.2126	15.1633	15.2672	15.1685	15.2102	15.5621	2	2	2	2	2	2	2	2	2	
TCAP1	Q9H4C2	1.69E-22	2.47E-21	-0.133755		0.512719	-1.11603		15.997	15.9788	15.9134	16.2733	16.0371	15.7786	16.2245	16.1707	20	19	21	21	17	18	21	18	17	
SEC24C	P53392	3.61E-14	3.88E-14	-0.133656		0.734738	-1.50037		17.3785	17.3464	17.359	17.5824	17.6049	17.4064	17.7243	17.6067	30	30	31	32	30	30	33	33	31	
TCEAL3	Q969E4	1.82E-13	1.61E-13	-0.133583		0.721907	-0.65846		15.1042	15.3841	15.779	15.4293	15.4075	15.6897	16.1692	15.7509	7	8	7	7	7	8	8	7	6	
MCM6	Q14566	2.56E-24	7.58E-23	-0.133532		0.16107	-0.41853		16.1052	16.1505	16.1093	16.7285	16.3459	15.3876	16.1695	16.6445	33	32	33	35	30	27	30	34	34	
SNX3	Q60493	4.49E-07	1.36E-07	-0.133519		0.734709	-1.50032		19.3041	19.2766	19.2937	19.5478	19.518	19.1862	19.4985	19.3745	10	10	10	10	11	10	10	10	10	
NUDT10,NUDT11	Q8NF7P;Q9	6.29E-11	3.14E-11	-0.133254		0.727397	-0.56527		14.8289	15.8451	15.5851	15.6013	15.4808	15.361	15.6339	15.6679	2	1	2	3	2	2	2	2	2	
PIGK	Q92643	6.75E-06	1.80E-06	-0.133211		0.577212	-1.23004		16.6718	16.6468	16.6239	16.6396	17.0589	16.6092	16.8395	16.7562	8	8	8	8	7	8	8	8	8	
ITIM2C	Q9NQX7;Q9	0.000123	2.89E-05	-0.133118		0.11741	-0.31543		15.3647	15.478	15.3906	15.8499	16.1022	14.323	15.5877	15.8583	3	3	3	3	3	3	3	3	3	
RELA	Q04206;Q9	4.93E-08	1.65E-08	-0.133036	+	2.00513	-3.71742		17.2541	17.2879	17.1926	17.4158	17.4041	17.369	17.2955	17.4052	16	16	15	14	14	14	15	14	14	
UBE3A	Q05086;Q9	1.89E-11	1.05E-11	-0.132399	+	1.91997	-3.55334		15.614	15.5779	15.5822	15.6517	15.7702	15.6736	15.7949	15.7312	25	24	20	21	20	24	24	23	23	
HECGL	Q2NXX8	4.81E-07	1.45E-07	-0.132778		0.416978	-0.94139		14.9724	15.1678	15.0729	15.4372	15.1826	14.894	15.096	15.4091	6	9	8	9	4	6	7	7	7	
HEATR6	Q6A08	0.000176	4.04E-05	-0.132732		0.684056	-1.41437		14.0298	14.2269	14.1479	14.3551	14.4337	14.2755	14.3497	14.0407	8	5	8	7	4	7	7	7	7	
VEZF1	Q14119	2.17E-05	5.52E-06	-0.132621		0.44375	-0.99099		12.1095	12.2265	12.5589	12.5369	12.4918	12.5891	12.2663	12.2706	2	2	2	2	1	1	1	1	1	
PNL	P29590-13	6.70E-05	1.62E-05	-0.132432		0.091169	-0.26148		13.6661	13.2448	12.3422	13.1516	NaN	13.282	NaN	NaN	1	1	1	1	NaN	NaN	NaN	NaN	NaN	
RNF214	Q8ND24	9.00E-10	3.75E-10	-0.132412	+	1.40477	-2.62398		14.966	15.0339	15.0111	15.1953	15.1504	15.033	15.2267	15.075	13	15	14	14	10	13	13	13	12	
C1orf52	Q8N6N3;Q9	7.58E-05	1.82E-05	-0.132394		0.174434	-0.44897		13.3439	13.3944	13.6196	13.9436	12.9899	13.1376	13.8312	14.0228	2	1	1	3	2	2	1	2	2	
PEX13	Q29268	0.056383	0.009129	-0.132383		0.062148	-0.17896		16.3575	16.5995	15.9079	17.0904	NaN	14.9987	NaN	17.1731	2	1	2	2	NaN	1	NaN	2	2	
PGM1	P36871	4.33E-15	6.11E-15	-0.132374		0.338223	-0.79118		18.2012	18.1461	18.1622	18.033	18.1212	18.7576	18.3182	18.2812	28	28	29	28	27	28	29	29	29	
DCAF6	Q58WW2-2	4.36E-06	1.19E-06	-0.132358		0.550376	-1.18289		14.5505	14.5728	14.2808	14.6577	14.8367	14.5065	14.4919	14.5093	5	6	8	10	4	6	6	6	6	
DEC2	Q9NU11	5.52E-10	2.36E-10	-0.132146		0.177568	-0.45604		16.1437	16.0237	16.1071	15.585	16.8116	15.8916	16.4178	16.4123	11	11	11	11	11	11	11	11	11	
ATP2B4	P23634;P2	3.69E-13	3.00E-13	-0.132119		0.25634	-0.62628		17.9285	17.9477	17.9278	18.5058	18.1296	17.6554	17.7661	18.277	30	30	30	29	27	30	30	29	29	
COP8	Q99627	7.74E-06	2.06E-06	-0.132118		0.712699	-1.46306		17.4801	17.2368	17.4827	17.4209	17.3995	17.5959	17.6512	17.5924	5	5	5	5	5	5	5	5	5	
DTD1	Q8TEA8	2.45E-06	6.83E-07	-0.131789		0.562562	-1.20435		17.6449	17.789	17.7364	18.1494	17.8016	17.8735	17.7459	17.7056	5	5	5	5	4	5	5	5	5	
NSUN5	Q96P11-2	0.001338	0.000271	-0.131714		0.69625	-1.43513		13.8616	14.1285	14.0826	14.328	14.0595	14.1902	14.038	14.1641	4	6	4	4	4	4	4	3	3	
RCOR1	Q9UKL0	3.37E-07	1.04E-07	-0.131684		0.196742	-0.49875		15.2295	15.1754	15.2718	15.2075	15.7932	14.7048	15.3478	15.7331	4	3	5	3	3	3	4	4	4	
ASPH	Q12797;Q9	1.20E-17	3.71E-17	-0.131594		0.831155	-1.66228		18.6456	18.7076	18.6602	18.8823	18.9702	18.6369	18.8023	18.7219	31	30	30	31	30	31	30	31	30	
SFSWAP	Q12872;Q9	0.002464	0.000472	-0.131545		0.243977	-0.60042		17.3463	17.532	17.5552	18.0586	17.5722	17.6561	17.0613	17.6987	5	4	7	4	4	4	2	5	5	
TM9SF2	Q99805	2.03E-11	1.11E-11	-0.131345		0.413805	-0.93547		17.2019	17.2273	17.2656	17.529	16.9889	17.3666	17.5902	17.3399	14	14	14	14	15	16	14	14	14	
MGLL	Q99685	1.23E-13	1.13E-13	-0.13134		0.212995	-0.53428		17.0745	17.1334	17.1478	17.9163	17.1051	16.796	17.1745	17.2577	9	9	9	8	7	8	7			

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
REEP5	Q00765	2.82E-08	9.74E-09	-0.128093		2.299017	-0.71352		18.1214	18.0308	17.9677	18.0034	18.536	17.7719	18.3438	18.1852	6	6	6	6	6	6	6	6
PIGT	Q969N2;Q	3.63E-17	9.75E-17	-0.127909		0.679209	-1.4061		15.9595	16.0316	15.9881	15.9677	16.3266	15.9789	16.0776	16.1059	16	16	15	15	15	14	17	14
NDE1	Q9NKR1;Q	1.96E-10	9.00E-11	-0.127761		0.738404	-1.50656		15.1131	15.0738	15.1596	15.2055	15.0633	15.1803	15.3891	15.378	9	11	12	9	10	9	12	10
ZFAND1	Q8TCF1	2.22E-10	1.01E-10	-0.127657		0.464623	-1.02922		14.8583	15.091	14.9516	14.8522	15.1051	15.3793	15.115	15.0215	5	5	6	6	6	5	6	4
SEC61A1	P61619	7.56E-12	4.50E-12	-0.127501		1.16551	-2.21879		19.4164	19.2763	19.3181	19.3686	19.4378	19.4699	19.5938	19.4521	9	8	8	9	9	8	9	9
TFB1M	Q8WVM0	5.28E-07	1.59E-07	-0.127491		0.188064	-0.47953		15.4749	15.4586	15.5415	15.6309	16.0322	15.0349	15.3338	16.0639	5	3	5	5	3	3	2	4
UBXN8	Q00124;Q	0.000449	9.72E-05	-0.127454		0.168168	-0.43476		14.2738	14.1683	14.5345	14.2114	14.0401	14.6521	15.1924	14.1691	2	1	1	1	1	2	2	2
RPTOR	Q8N122	2.77E-07	8.60E-08	-0.127437		0.697968	-1.43805		15.6122	15.678	15.6804	15.6659	15.7599	15.8791	15.9824	15.6343	16	17	17	15	11	15	15	15
JUND	P17535	2.05E-12	1.37E-12	-0.127248		0.36152	-0.83636		15.2274	15.2642	15.0871	15.5451	15.4545	14.9184	15.264	15.4186	4	4	4	2	2	2	2	3
DNAJ2	Q60884	3.43E-13	2.82E-13	-0.127154	+	2.16991	-4.04527		16.7673	16.7761	16.7525	16.9227	16.9151	16.8322	16.8426	16.9498	16	16	16	16	16	16	15	16
ACTR10	Q9NZ32	5.24E-13	4.08E-13	-0.127116		0.706853	-1.45315		16.4418	16.4397	16.4353	16.575	16.7213	16.339	16.5328	16.6621	14	14	14	14	14	14	13	14
ABAT	P80404	0.001201	0.000245	-0.127075		0.081905	-0.22678		14.4151	14.5871	14.4378	14.3367	16.187	13.8797	13.9645	14.6676	5	3	4	2	6	2	2	3
NLE1	Q9NVX2	1.77E-06	5.00E-07	-0.126961	+	1.63158	-3.02133		15.6437	15.6102	15.7012	15.8158	15.7354	15.7914	15.6972	15.8534	4	4	3	6	4	4	5	4
HEXIM1	Q94992	8.41E-05	2.01E-05	-0.12683		0.583292	-1.24066		15.393	15.1358	15.3182	15.1996	15.3991	15.3614	15.5275	15.5582	6	5	5	4	4	5	6	4
RPS23	P62266	0.001262	0.000257	-0.12676	+	1.85037	-3.42176		20.5335	20.4922	20.4817	20.5526	20.7068	20.5984	20.6624	20.6259	7	7	7	7	7	7	7	7
POL03	Q15054;Q	0.002575	0.00049	-0.126619		0.261481	-0.63696		13.5209	13.3813	13.0349	13.6186	13.6214	13.0056	13.2965	13.6527	1	2	2	3	1	1	1	1
TICAM2	Q86XK7-2	6.22E-15	8.35E-15	-0.126576		0.576691	-1.22912		18.5911	18.6545	18.6319	18.6468	18.7473	18.7377	19.0365	18.5938	8	7	8	7	7	7	7	8
RPS18	P62269	0.001065	0.000219	-0.1263	+	1.95328	-3.6171		20.6889	20.6237	20.6316	20.7137	20.82	20.7586	20.8382	20.7412	15	15	15	15	15	15	15	15
LRPPRC	P42704	4.09E-11	2.10E-11	-0.126234		1.049	-2.02459		17.6443	17.6724	17.6412	17.8454	17.8474	17.5975	17.8073	17.7968	72	72	73	72	71	69	70	70
NPM1	Q06748;P	2.55E-09	9.98E-10	-0.126197		1.14251	-2.18035		19.5774	19.5307	19.5889	19.7409	19.8008	19.7095	19.5503	19.6578	14	13	15	14	14	14	13	14
RAB14	P61106	1.45E-13	1.32E-13	-0.126192	+	1.43449	-2.67589		18.8405	18.8504	18.8023	18.9863	19.0647	18.8702	18.9682	18.8969	13	14	13	13	13	13	13	13
BCKDK	Q14874;Q	0.000989	0.000204	-0.126125		0.375832	-0.86379		14.4518	14.688	14.4178	14.8987	14.6432	14.5279	14.3444	14.8125	4	3	3	2	3	3	4	5
WNK74	Q6RHF5;Q	0.000325	7.19E-05	-0.12603		0.414366	-0.93652		16.0302	15.7725	15.9654	16.008	15.7253	16.0723	16.1807	16.2574	6	6	6	6	6	6	6	6
DPP9	Q86T12;Q	8.84E-10	1.27E-10	-0.125838		1.78085	-3.29244		16.6322	16.7086	16.6607	16.8409	16.9285	16.701	16.8238	16.7708	21	21	23	23	23	21	23	22
XRC4	Q13426-2	4.78E-13	3.76E-13	-0.125705		0.729279	-0.67355		14.794	14.8932	14.965	14.6657	15.3506	14.7995	15.311	14.9221	8	9	7	9	4	5	7	6
TTCT2	Q6P3X3	4.12E-06	1.12E-06	-0.125691		1.20846	-2.29077		15.0546	14.9521	14.9681	15.1475	15.2274	15.0911	14.9989	15.1216	13	14	15	14	12	12	13	12
LALUR1	Q03405	5.66E-12	3.46E-12	-0.12566		0.319932	-0.75522		15.4161	15.3198	15.3257	15.2615	15.3043	15.612	15.9064	15.3134	7	7	7	7	5	6	7	7
GAPVD1	Q14C86;Q	2.20E-18	8.68E-18	-0.125412		0.758446	-1.54036		15.9558	15.9682	15.9625	16.2223	15.9468	16.1765	16.1584	15.9339	25	28	30	26	23	27	28	25
TRIO	Q75962	9.58E-14	9.20E-14	-0.125319		1.01907	-1.97485		16.0423	16.0599	16.0388	16.2291	16.1792	16.2934	16.009	16.1509	63	59	63	62	53	61	56	58
NTSC2	P49902	1.08E-16	2.53E-16	-0.124897		0.909422	-1.79271		16.4506	16.5216	16.5133	16.8118	16.5671	16.5816	16.6224	16.5174	18	18	18	18	17	17	17	16
ATP6V1B2	P21281	1.53E-21	1.66E-20	-0.124807		0.843152	-1.68232		18.5059	18.459	18.4235	18.4828	18.5024	18.6397	18.775	18.5382	23	22	22	24	24	23	23	24
EIF2B2	P49770	2.97E-08	1.02E-08	-0.124782	+	1.52963	-2.84077		16.1507	16.1094	16.1034	16.2075	16.3366	16.154	16.2388	16.2928	13	13	12	13	12	12	12	11
DPF2	Q92785	2.53E-11	1.35E-11	-0.124725		0.526779	-1.1411		15.1441	15.0999	15.2342	15.2591	15.3476	14.989	15.4243	15.4007	8	7	8	7	6	8	9	8
LRRC57	Q8N9N7	0.001298	0.000263	-0.12466		0.488479	-1.07249		16.4642	16.2853	16.3703	16.5917	16.6411	16.1781	16.5615	16.5171	6	6	6	6	6	5	6	6
DUSP23	Q9BVJ7	3.81E-08	1.29E-08	-0.124532		0.345968	-0.80628		15.439	15.3681	15.6848	15.4635	15.7771	15.2926	15.8013	15.7746	9	10	9	9	9	10	10	10
FAM210A	Q96ND0	1.09E-06	3.15E-07	-0.124393		0.799748	-1.60973		14.8404	14.9998	14.8163	15.153	14.935	14.893	15.0906	14.9778	4	5	4	5	3	4	4	4
CAPZA2	P47755	1.66E-05	4.26E-06	-0.124272	+	2.0297	-3.76541		19.5708	19.6522	19.5847	19.7631	19.7527	19.6916	19.7628	19.6641	17	16	16	16	16	16	16	16
ARHGEP7	Q14155-1	2.48E-06	6.92E-07	-0.12394	+	1.66982	-3.08998		16.6719	16.6722	16.7303	16.747	16.7907	16.8466	16.9083	16.7846	19	19	20	18	17	17	17	14
PLSCR3	Q9NRY6	0.000113	2.66E-05	-0.123927		0.623888	-1.31116		17.273	17.2579	17.4861	17.6157	17.6157	17.3039	17.2423	17.445	5	5	6	6	5	6	6	6
PIK3C2A	Q00443	9.85E-10	4.09E-10	-0.123635		0.489782	-1.07484		14.7423	14.8099	14.8891	15.2171	14.8054	14.7641	15.0279	14.8725	22	23	21	22	12	19	21	14
PHI1D1	Q9NWS0	1.02E-06	2.95E-07	-0.12345		0.633078	-1.32701		16.2888	16.1348	16.5197	16.5669	16.4914	16.3876	16.4299	16.3856	5	5	5	5	4	4	5	5
NAXD	Q8RIW45	5.15E-15	7.10E-15	-0.123415		0.49355	-1.08164		16.9066	16.9578	16.8798	16.9084	17.1685	17.2992	16.8477	16.967	7	8	7	9	7	9	8	9
RPL34	P49207	6.92E-05	1.67E-05	-0.123207	+	1.82727	-3.37855		20.5391	20.5824	20.4605	20.6546	20.7209	20.644	20.6134	20.6199	4	4	4	3	4	4	4	4
ZEB2	Q60315;Q	8.12E-15	1.05E-14	-0.122915		0.73254	-1.49665		14.3834	14.2355	14.3943	14.6638	14.3809	14.4226	14.3571	14.4787	4	4	4	2	2	4	3	3
NIT2	Q9NQRA	4.94E-15	6.85E-15	-0.12284		0.771266	-1.56193		17.1508	17.2205	17.2011	17.2952	17.2822	17.5372	17.2445	17.2092	19	19	19	19	19	19	19	19
ITCH	Q96I02;Q	1.03E-13	9.80E-14	-0.122812		0.657479	-1.36895		15.5413	15.6117	15.5807	15.922	15.5165	15.7401	15.6439	15.6811	19	22	24	25	20	23	21	21
BLOC1C3	Q6QNV0	5.22E-05	1.28E-05	-0.122664		0.399571	-0.90878		16.1852	16.1458	16.386	16.18	16.2134	16.6868	16.4382	16.2897	6	6	7	6	6	7	7	7
EEF1E1	Q43324	1.09E-06	3.15E-07	-0.122466		0.207833	-0.52306		17.497	17.452	17.7599	17.8723	17.4644	17.147	18.0351	17.9417	6	6	6	7	6	6	6	6
MAN2A2	P49641;P4	0.003445	0.000633	-0.12243		0.355839	-0.8254		15.6489	16.0231	16.0503	16.2272	16.2345	15.9442	15.9378	15.8057	3	1	3	3	2	3	3	3
PTPA42	Q12974	1.68E-07	5.32E-08	-0.122235		0.528946	-1.14495		16.0793	16.1401	16.1694	16.5301	1											

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls(n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
CHACTR2	O75167;O1	8.77E-11	4.25E-11	-0.118175		0.176402	-0.45341		14.365	14.4628	14.4396	15.2522	14.3435	14.4235	14.5882	14.0958	3	3	3	4	2	3	3	3
P2CCT2	Q9Y426;O8	0.003213	0.000594	-0.118134		0.170684	-0.44048		14.3062	14.2675	14.8667	14.4447	14.8667	13.7056	14.4244	14.0974	5	4	6	6	3	4	6	5
RCL1	Q9Y2P8	0.000124	2.89E-05	-0.118009	+	2.36033	-4.44299		16.2059	16.2298	16.1934	16.2989	16.2937	16.3168	16.3994	16.3297	5	6	6	5	7	7	7	5
KIF2A	O00139;O1	8.24E-17	1.99E-16	-0.117933		1.12703	-2.15452		16.1639	16.1761	16.1536	16.4047	16.2183	16.1983	16.2364	16.3546	19	16	19	16	19	19	19	18
PSMC4	P43686	1.11E-22	1.84E-21	-0.117928	+	2.31777	-4.35222		17.7818	17.8527	17.803	19.7222	17.8974	17.954	17.9825	17.896	26	25	26	28	25	26	26	26
RBM14	Q96PK6	8.13E-14	7.93E-14	-0.117812		0.679927	-1.40733		17.7175	17.7566	17.7251	17.965	17.8831	17.6831	17.7283	17.995	22	22	21	22	20	22	23	21
DTWD1	Q8NSC7;Q1	0.000118	2.77E-05	-0.117731		0.155871	-0.4105		13.3702	13.9043	14.0436	13.6906	14.4641	13.7854	NaN	13.6215	3	3	4	3	3	3	NaN	3
NTMT1	Q9BY86	3.98E-07	1.21E-07	-0.117584		0.742868	-1.5141		17.5767	17.5315	17.5152	17.7128	17.8321	17.5073	17.5614	17.6799	8	8	8	7	8	7	8	8
PKRKA2A	P13861;P1	2.06E-13	1.80E-13	-0.117267		0.98507	-1.91839		17.4483	17.3991	17.3589	17.3893	17.4961	17.5321	17.6622	17.5171	19	19	19	18	19	20	20	19
DIP2A	Q14689;Q1	4.26E-06	1.16E-06	-0.117237		0.997868	-1.93964		15.7725	15.8149	15.8209	16.0657	15.7898	15.9093	15.8914	15.9439	12	15	16	17	12	13	15	16
CMAS	Q8NFW8	5.44E-07	1.63E-07	-0.117178		0.312278	-0.74003		15.7528	15.6894	15.6737	15.8912	15.5498	16.2363	15.7732	15.6617	11	11	11	11	9	11	11	11
GP5M1	Q86YR5;O8	3.47E-11	1.81E-11	-0.116786		1.2446	-2.35156		16.5885	16.5792	16.557	16.5795	16.6971	16.6921	16.678	16.8118	18	18	18	18	20	17	20	20
DCUN1D3	Q8IWE4	2.92E-14	3.23E-14	-0.116655		0.914694	-1.80147		15.4563	15.4779	15.4728	15.4716	15.6448	15.6663	15.6813	15.4641	10	10	10	10	10	10	10	10
NAA35	Q5VZES	7.03E-06	1.87E-06	-0.116554		1.25049	-2.36148		15.4105	15.4063	15.406	15.477	15.6038	15.4267	15.6167	15.4964	11	12	12	11	8	11	9	10
AFM2	Q9RBQ8	8.59E-09	3.15E-09	-0.116307		0.309894	-0.73528		15.5021	15.4943	15.4874	15.9472	15.4464	15.8325	15.5002	15.3283	7	8	6	8	7	6	7	6
FIOT2	Q14254	4.29E-14	4.54E-14	-0.116062		0.365987	-0.84494		17.2278	17.2232	17.2018	17.6431	17.4456	17.0213	17.2742	17.2842	24	23	23	24	23	23	23	24
RAMT04	Q0VGL1	0.003884	0.000707	-0.116025		0.225055	-0.56026		16.3858	16.2187	16.4854	16.7592	15.9065	16.6629	16.5385	16.5294	2	2	2	2	2	2	2	2
LPLT37A	R61513	1.06E-12	7.61E-13	-0.11573		1.11359	-2.1321		19.2039	19.2745	19.2591	19.3864	19.4648	19.3574	19.224	5	5	5	5	5	5	5	5	
BAGALT1	P15291;P1	0.002398	0.00046	-0.115655		0.208945	-0.52548		14.7766	14.079	14.2543	14.1706	14.3177	14.8429	14.4518	14.6449	2	3	3	3	2	3	3	3
NOGAL	Q8BWM4	1.79E-13	1.59E-13	-0.115628		0.707359	-1.454		15.1508	15.2356	15.2101	15.4625	15.2435	15.1307	15.3896	15.346	11	14	13	12	12	12	12	13
EXOC6B	Q9YD4	1.26E-06	3.61E-07	-0.115607	+	1.87375	-3.4657		16.0585	16.1173	16.1031	16.1356	16.2672	16.1938	16.2569	16.2059	20	22	20	21	17	20	19	21
WAC	Q9BTAS;O5	0.003405	0.000626	-0.115471		0.473985	-1.04626		14.5412	14.3546	14.7115	14.7699	14.4562	14.7018	14.5684	14.7598	5	5	4	4	5	4	5	4
CNS	P15586	1.06E-07	3.42E-08	-0.115368		0.747223	-1.04669		18.8175	18.7825	18.8008	18.6127	18.9403	18.9595	19.1252	18.9362	13	13	13	12	13	13	14	13
NOL6	Q9H6RA;O1	1.45E-06	4.15E-07	-0.115317		1.58133	-2.93189		15.5263	15.4658	15.4871	15.6999	15.5637	15.5678	15.5637	15.6471	12	13	12	14	7	9	12	10
BRD1	Q95696;O1	1.89E-08	6.62E-09	-0.115219		0.403403	-0.91598		15.3833	15.7778	15.7644	15.8294	15.8649	15.518	15.7556	15.8174	2	2	2	3	2	2	4	2
POMT2	Q9BUKY4	0.000484	0.000104	-0.115034		0.334238	-0.78338		15.376	15.2172	15.1823	15.2027	15.0497	15.4959	15.5213	15.5981	6	5	4	4	5	4	4	4
GFMT2	Q969S9;O5	1.06E-11	6.13E-12	-0.114845		0.33003	-0.77513		17.7198	17.9276	17.8533	18.0162	17.6435	18.213	17.7661	18.1032	4	5	5	6	8	5	6	6
ATAD1	Q8NBU5	2.80E-11	1.49E-11	-0.114641		0.650774	-1.35745		16.0508	15.9474	15.9969	15.9682	15.9918	16.2094	16.1094	15	15	14	15	13	14	15	14	
ELOA	Q14241	1.13E-12	9.30E-13	-0.114635		0.530129	-1.14705		14.2992	14.2414	14.2652	14.6299	14.3809	14.3403	14.4003	9	8	8	9	9	9	9	9	
RNF113A	Q15541	0.002196	0.000426	-0.114546		0.359657	-0.84462		15.0488	15.3105	14.9571	15.0743	NaN	14.1649	15.0801	15.2964	3	2	2	1	NaN	1	1	1
ETI13	P62495	6.54E-12	3.95E-12	-0.114528		0.55173	-1.15593		18.1649	18.3101	18.2979	18.5179	18.1193	18.4001	18.4766	18.3472	22	24	23	23	20	23	21	23
SAP30	Q75446	0.002802	0.000527	-0.114328		0.132024	-0.35388		13.3987	13.2913	12.9115	12.597	13.7194	NaN	13.3379	13.605	2	3	1	1	2	NaN	3	2
RP514	P62263	1.01E-20	9.09E-20	-0.114291		0.759443	-1.54204		20.9349	20.997	20.9604	21.0345	21.2895	21.0634	20.9746	21.03	9	9	9	9	9	9	9	9
GCC1	Q96CN9	0.001042	0.000214	-0.114031		0.725663	-1.48502		14.6204	14.5485	14.5459	14.5838	14.823	14.7973	14.6834	14.5406	8	10	10	8	7	10	11	9
WDR13	Q9H124	9.01E-15	1.15E-14	-0.113933		0.389727	-0.89019		15.3972	15.437	15.4492	15.2624	15.8018	15.5479	15.6844	15.4122	10	10	9	9	7	12	8	9
DCK	P27707	3.34E-06	9.19E-07	-0.113716		0.358522	-0.83058		16.5635	16.5203	16.4724	16.7607	16.7086	16.3198	16.4855	16.8877	7	7	6	10	5	5	6	9
MED25	Q715V5;O2	0.000109	2.57E-05	-0.1137		0.190133	-0.48413		15.3756	15.5286	15.3032	15.1499	15.9469	15.0785	15.6219	15.7836	1	1	1	1	1	1	1	1
ERL1N1	Q75477	3.15E-16	6.18E-16	-0.113623	+	1.52634	-2.835		17.5273	17.5311	17.5464	17.7114	17.6951	17.5765	17.5757	17.6841	11	11	11	11	11	11	11	11
RDN03	Q96TC7	8.93E-11	4.33E-11	-0.113423		0.44029	-0.98462		16.4262	16.3665	16.3098	16.5744	16.7655	16.6131	16.156	16.5012	7	11	11	10	7	11	9	10
SEC31A	Q94979	7.27E-12	4.36E-12	-0.113385	+	1.80059	-3.32895		18.5853	18.6259	18.6001	18.7581	18.6869	18.7894	18.6977	18.6538	45	45	45	43	43	44	43	44
RPLP0	P05388	2.75E-10	1.23E-10	-0.113359	+	3.14455	-6.34668		20.7657	20.7516	20.713	20.8428	20.8926	20.8642	20.8337	20.8508	17	17	17	16	17	16	17	17
TRAPP_C13	ASPLIN9;A5	0.000126	2.95E-05	-0.113315		0.197661	-0.50078		18.9195	18.6642	18.8571	18.5963	19.5402	18.9265	18.8732	18.6983	6	8	7	5	2	4	6	6
ACB03	Q9H3P7	7.12E-11	3.50E-11	-0.113215	+	1.60086	-2.96654		17.2612	17.2843	17.2474	17.3098	17.41	17.3643	17.4677	17.3359	15	15	16	16	13	16	16	16
TAGLN	Q01995	6.27E-08	2.07E-08	-0.113126		0.388866	-0.88856		21.4018	21.5042	21.4401	21.5403	21.4499	21.6619	21.3015	21.8555	28	28	28	26	26	28	26	28
EIF4G3	O43432;O1	7.26E-07	2.15E-07	-0.113054	+	1.77579	-3.28311		16.2624	16.2375	16.2811	16.314	16.3837	16.4069	16.4424	16.3198	35	34	40	38	31	36	38	39
CLPP	Q16740	3.08E-07	9.51E-08	-0.112791		0.203259	-0.51307		14.9958	14.6684	15.3306	15.3509	15.199	14.8313	14.82	15.4332	8	7	7	8	6	5	8	7
LTV1	Q96GA3	1.26E-06	3.63E-07	-0.112614		0.54996	-1.18216		14.5518	14.4854	14.4529	14.5427	14.719	14.5946	14.3952	14.795	7	8	5	5	6	7	7	7
LPIN3	Q9B0K8;O1	0.003665	0.000669	-0.112593		0.173137	-0.44603		15.112	15.1336	14.9802	15.5618	15.67	15.0196	14.6623	15.0257	5	7	6	7	4	6	3	3
NFS1	Q9Y697;O5	1.65E-16	3.68E-16	-0.112218		0.997846	-1.9396		15.1614	15.1681	15.1417	15.244	15.4405	15.2319	15.211	15.2191	12	12	14	12	8	13	11	11
MAP1B	P46821	2.76E-14	3.08E-14	-0.112137		0.274085	-0.66293		18.4374	18.4542	18.4741	18.9142	1											

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
PIGG	Q5H8AA;Q	8.19E-07	2.41E-07	-0.108683		0.334738	-0.78436		16.0323	15.9573	15.9449	16.0358	16.1702	15.8223	16.4321	15.974	8	10	10	9	8	9	10	9
NAV1	Q8NEV1;Q	2.31E-08	8.02E-09	-0.108386		0.1758	-0.45205		15.0943	15.0975	15.1407	15.8587	15.0105	15.0798	14.8176	15.3293	32	33	34	40	13	25	25	30
ARFP1	P53367-2	6.37E-12	3.85E-12	-0.108053	+	2.28776	-4.28888		16.2847	16.2557	16.2644	16.3985	16.414	16.3973	16.3589	16.3128	13	17	17	13	16	16	16	16
MSI2	Q96DH6;Q	2.54E-10	1.15E-10	-0.108		0.172941	-0.44559		15.3096	15.4388	15.356	15.9596	15.9999	15.29	15.6396	14.8914	5	6	6	6	2	4	6	2
NAAL0	P41227	2.68E-08	9.24E-09	-0.107932		0.500233	-1.09365		16.332	16.3827	16.3648	16.7128	16.2846	16.3819	16.4207	16.5388	14	14	15	14	12	14	14	15
SORD	Q00796	1.25E-06	3.59E-07	-0.107901		0.253604	-0.62059		17.324	17.3803	17.4259	17.1376	17.9042	17.402	17.3641	17.6152	13	13	12	12	12	12	12	12
ALG5	Q9Y673	8.03E-08	2.61E-08	-0.107796		0.192821	-0.49009		15.9552	15.9767	15.9129	16.0775	15.586	16.3895	16.4322	15.7952	8	9	11	11	8	11	11	6
PTPN9	P43378	6.71E-13	5.05E-13	-0.107683	+	1.78522	-3.3005		15.4514	15.4591	15.3977	15.477	15.6049	15.5568	15.566	15.514	13	13	13	13	15	15	13	13
CTC6A	P40227	3.49E-13	2.86E-13	-0.107494		1.21605	-2.30352		19.1222	19.2354	19.13	19.3331	19.326	19.2277	19.1833	19.2801	30	30	31	30	28	30	32	29
USP15	Q9Y4E8;Q	1.61E-19	9.26E-19	-0.107311	+	1.39943	-2.61479		15.846	15.874	15.8371	16.0624	15.8733	15.9607	15.9552	15.9468	29	31	30	32	24	27	27	26
USP2	Q9NUQ7	3.64E-09	1.40E-09	-0.106806		0.340888	-0.79638		15.6221	15.6562	15.5551	15.3824	15.6761	15.869	15.962	15.7002	15	16	15	14	10	15	15	13
LSM14A	Q8ND56;Q	3.70E-09	1.42E-09	-0.106778	+	1.5039	-2.79572		15.0309	15.1206	15.0857	15.1654	15.2127	15.2135	15.2389	15.0987	8	8	9	8	9	9	9	9
MAN1B1	Q9UKM7	2.94E-09	1.14E-09	-0.106627		0.318397	-0.75218		16.0702	16.1206	15.9806	15.9402	16.0778	16.1562	16.555	16.0896	13	13	13	13	12	13	12	12
OKSM	Q9NWU1	0.001984	0.000389	-0.106572		0.299769	-0.71503		14.1168	14.4827	14.2611	14.2658	14.6116	14.6321	14.1699	14.2878	3	3	3	2	3	3	3	3
PSMD11	Q00231	5.87E-17	1.48E-16	-0.106452	+	1.42969	-2.6669		18.1005	18.1433	18.1291	18.2375	18.2934	18.1408	18.2895	18.1925	28	28	27	28	27	28	28	28
RPL23A	P62750	6.95E-18	2.35E-17	-0.10618		0.985701	-1.91943		19.4733	19.5689	19.5545	19.6687	19.7707	19.5649	19.6197	19.5681	13	13	13	12	13	13	13	13
DNAJC11	Q9NVH1;Q	2.94E-07	9.11E-08	-0.106104		1.01962	-1.97577		16.3443	16.3163	16.3281	16.4837	16.3192	16.5462	16.454	16.3754	14	14	14	15	12	11	11	13
SREK1	Q8WKA9-2	3.20E-05	7.99E-06	-0.106052		0.59768	-1.19944		16.4292	16.5267	16.5957	16.4259	16.7575	16.5608	16.7372	16.6348	6	5	5	5	6	5	5	4
LRRC41	Q15048	0.00155	0.000311	-0.106026		0.399817	-0.90924		15.1916	15.1895	15.3249	15.1954	15.651	15.24	15.2343	15.3861	5	5	5	6	4	5	3	4
CHS1	Q86452	0.001868	0.000369	-0.105957		0.24868	-0.61029		14.9053	15.2061	15.1641	15.3878	15.4835	15.2157	15.1031	14.799	2	1	2	2	3	2	2	2
EVS1	Q96CNA;Q	7.48E-10	3.14E-10	-0.105703		0.632188	-1.32548		14.0695	13.9736	14.0879	14.3049	14.2557	14.0352	14.0289	14.1206	5	5	5	5	6	3	3	3
MT2A	P02795	0.000785	0.000164	-0.105685		0.297404	-0.71027		19.956	20.0136	20.1697	19.7789	20.4293	20.2011	20.2256	20.1258	2	3	2	2	2	2	2	2
LIPA	P38571;P3	0.00078	0.000163	-0.105662		0.201441	-0.50908		17.0962	17.1484	17.1382	17.6691	16.7882	17.0042	17.3368	17.268	5	6	5	5	5	5	5	5
SLC16A3	Q15427	8.57E-10	3.58E-10	-0.105596		0.230845	-0.57262		17.6845	17.5685	17.7269	17.7033	18.0063	17.2976	18.0626	17.7579	10	10	10	10	10	10	10	10
OPTN	Q96CV9	8.28E-18	2.73E-17	-0.105553		0.282503	-0.68012		16.5197	16.4765	16.5021	17.0029	16.6014	16.6032	16.3235	16.4339	24	24	24	25	23	25	25	23
STRADA	Q27R7NC;Q	0.001851	0.000366	-0.105467		0.201148	-0.51379		13.9484	13.7303	13.6402	14.3288	14.2308	NaN	14.3881	13.8814	3	2	1	3	2	1	NaN	1
DENDN5A	Q61026	0.027462	0.004526	-0.105174		0.089098	-0.25597	NaN	13.7401	13.7243	13.8494	NaN	13.2802	NaN	14.3824	14.3824	1	1	3	NaN	2	NaN	1	1
MAP1G	Q96QZ7-2	1.47E-11	1.34E-11	-0.105047		0.183628	-0.46964		14.8539	14.9539	14.9585	15.4224	15.0156	15.0949	14.4187	15.1843	9	8	10	13	6	11	4	7
RPL7A	P62424	1.02E-06	2.95E-07	-0.105046		1.09968	-2.10891		20.2259	20.2531	20.2409	20.3657	20.4814	20.3063	20.2889	20.2828	20	20	20	20	20	20	20	20
DENDN10	Q8TC65;Q	1.07E-05	2.79E-06	-0.104974		1.02284	-1.98111		16.0456	16.058	16.0422	16.1631	16.1724	16.2772	16.1234	16.0318	11	12	13	11	9	10	11	7
CST	P20810-6	3.26E-12	2.08E-12	-0.104778		0.225363	-0.56092		17.532	17.5774	17.5851	18.1703	17.3859	17.7625	17.4753	17.5541	42	41	40	43	39	39	36	40
MYO10	Q9HD67	2.84E-11	1.51E-11	-0.10463		0.113058	-0.30482		14.5956	14.5709	14.7675	15.4635	15.1717	14.0302	14.61	14.4711	10	10	8	11	4	2	7	5
TUBB2B	Q9BVA1	1.00E-07	3.23E-08	-0.1046		1.19284	-2.26457		21.9842	22.0998	22.0462	22.1424	22.2543	22.0876	22.1552	22.1004	8	8	8	8	8	8	8	8
RPIA	P49247	1.52E-06	4.33E-07	-0.104206		0.200039	-0.50601		15.2975	15.4399	15.3459	15.856	15.4773	15.5513	14.9152	15.5269	4	5	4	5	3	3	4	5
MANF	P55145	1.23E-09	5.04E-10	-0.104163		0.380113	-0.87195		17.5631	17.576	17.5633	17.872	17.7586	17.3378	17.7039	17.6859	17	17	17	16	17	16	17	17
FTS1	Q9UET6	3.52E-09	1.36E-09	-0.104078		1.19356	-2.26577		15.5132	15.5059	15.5881	15.6432	15.5363	15.707	15.6999	15.6124	5	5	5	5	3	5	4	6
MTDH	Q86UE4	1.39E-12	9.68E-13	-0.103866	+	1.32853	-2.49361		17.4316	17.4796	17.429	17.6151	17.468	17.5504	17.6178	17.5016	24	23	23	23	23	23	23	22
SEC51G	P60059	0.002552	0.000486	-0.103844		0.201008	-0.50813		17.9616	17.5365	17.9242	18.0066	17.4911	17.7332	18.0756	18.2499	2	2	2	2	2	2	2	2
CHM	P24386	2.28E-05	5.78E-06	-0.103616		0.807628	-1.62293		16.1661	16.2087	16.1354	16.2065	16.4337	16.2939	16.1613	16.2731	7	8	8	7	2	9	6	6
NOP2	P46087;P4	1.20E-12	8.53E-13	-0.103608	+	1.35067	-2.53133		16.3251	16.3188	16.3299	16.4623	16.4205	16.3133	16.4578	16.4872	22	22	22	23	21	21	22	23
JMY	Q8N9B5;Q	0.000346	7.62E-05	-0.103602		0.177221	-0.45526		15.3394	15.2512	15.4688	15.0119	15.6774	15.7163	15.7885	15.0897	3	4	4	2	2	4	4	3
AKT2	P31751	1.22E-13	1.13E-13	-0.103101		0.615883	-1.29732		15.7498	15.7045	15.7051	15.8876	15.8535	15.7499	15.6401	15.9836	13	13	13	13	12	13	14	13
SLC25A19	Q9HC21;Q	0.001846	0.000365	-0.103066		0.214765	-0.53811		15.0182	14.8168	14.7077	14.4364	15.1722	15.1664	14.9857	14.9925	4	3	4	2	2	4	4	3
RMDN2	Q96L27	2.42E-05	6.12E-06	-0.102613		0.382897	-0.87724		14.4778	14.5394	14.6731	14.49	14.5994	14.6722	14.9721	14.5965	4	6	5	2	2	5	4	4
DDX59	Q5T1V6	0.005539	0.000981	-0.102575		0.080136	-0.22707	NaN	12.5654	12.4112	11.7364	13.1375	NaN	12.7351	12.7544	NaN	1	2	2	2	1	NaN	1	1
KRR1	Q13601	1.57E-05	4.03E-06	-0.102124		0.405002	-0.91988		15.6008	15.6536	15.6743	16.0027	15.7225	15.5214	15.837	15.6416	9	9	10	9	8	9	8	7
INF2	Q27J81	2.68E-15	4.05E-15	-0.102007		0.265099	-0.64444		17.6273	17.6163	17.6158	17.8437	17.9486	17.3769	17.5003	17.9396	45	47	46	42	44	41	43	47
COMMD1	Q8N668	0.003592	0.000657	-0.10186		0.223634	-0.55721		15.449	15.3769	15.7501	15.731	15.728	15.1573	15.6582	15.8614	6	6	6	6	6	4	6	6
TIMM50	Q3ZC08;Q	3.98E-07	1.21E-07	-0.101854		0.791564	-1.59601		16.9216	16.9338	16.909	17.0229	17.0189	16.8516	17.0977	17.1256	7	8	8	8	8	9	8	8
DOK1	Q99704	4.38E-12	2.72E-12	-0.101819		0.246838	-0.60643		15.7771	15.8962	15.9345	16.1113</												

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
EXOC8	Q8IYI6	1.39E-06	3.96E-07	-0.0995708	+	1.41285	-2.63788		15.3655	15.3267	15.2708	15.4641	15.3365	15.4686	15.4071	15.4267	21	19	19	18	12	20	17	18
STK25	O00506	1.23E-11	7.04E-12	-0.0994644		0.79248	-1.59755		15.2868	15.2294	15.3284	15.3962	15.515	15.3061	15.2702	15.3266	7	9	9	9	5	7	8	8
TSPAN14	Q8NG11.Q	2.29E-05	5.81E-06	-0.0994073		0.105582	-0.28643		15.1617	14.9612	15.1845	15.913	15.2871	14.3422	15.0452	15.4219	3	2	2	3	3	2	2	2
RP52	P15880	1.11E-11	6.39E-12	-0.0992404	+	1.32388	-2.4857		20.7776	20.805	-0.092471	20.7901	20.9354	20.8543	20.9429	20.8562	18	18	18	18	17	18	18	18
PIPL4	Q8WU42	3.38E-14	3.68E-14	-0.0991995		0.529336	-1.14564		15.5939	15.6888	15.6319	15.874	15.8418	15.628	15.5499	15.7932	16	15	15	13	12	15	15	12
ACADVL	P49748.P4	1.72E-10	7.99E-11	-0.0989852		0.46353	-1.02723		18.0585	18.097	18.0777	18.1404	18.2753	17.9291	18.1853	18.3536	20	29	30	29	28	30	29	30
USP14	P54578.P5	2.62E-19	1.43E-18	-0.0989407		1.16996	-2.2624		17.9207	17.9482	17.9131	18.0531	17.9142	18.0936	17.9929	18.0774	24	26	27	26	23	25	25	26
STX4	Q12846	1.58E-12	1.09E-12	-0.0988622		0.481923	-1.06065		16.3882	16.4616	16.3741	16.4029	16.7446	16.5167	16.5231	16.3467	8	8	8	7	7	8	8	8
RMDN1	Q960B5	1.97E-11	1.09E-11	-0.0988476		0.303746	-0.723		16.3568	16.3382	16.2607	16.4627	16.4211	16.0339	16.5853	16.5841	12	11	12	12	10	9	10	12
PXDN	Q92626	3.47E-18	1.28E-17	-0.0987938		0.241491	-0.59518		16.1458	16.1273	16.115	15.7926	16.147	16.4238	16.4968	16.2806	39	39	38	34	31	36	40	37
AIDA	Q968J3	6.22E-06	1.67E-06	-0.0987396	+	2.12576	-3.95601		17.1907	17.2551	17.25	17.3751	17.3428	17.325	17.3277	17.2829	12	13	13	13	13	14	13	13
AP3D1	O14617.O1	7.00E-13	5.25E-13	-0.0985411	+	1.96958	-3.6485		16.7997	16.8551	16.8681	16.9872	16.8875	16.9605	16.9315	16.9309	43	40	45	43	41	44	41	42
TTYH3	Q9C0H2.Q	0.000495	0.000106	-0.0984287		0.316259	-0.74794		17.3654	17.4105	17.3307	17.7606	17.4594	17.3567	17.5775	17.1824	7	7	7	7	6	7	7	7
FAM114A1	Q8IWE2	9.56E-13	7.01E-13	-0.0983822		0.471852	-1.04238		17.8528	17.8624	17.8514	17.7237	18.1233	18.0138	18.0406	17.8682	21	21	21	21	21	20	22	21
PSMD9	O00233	1.95E-11	1.07E-11	-0.098321		1.13469	-2.1673		17.7615	17.7795	17.8288	17.9359	17.9676	17.8609	17.7817	17.8952	12	12	12	12	10	12	11	12
SBD5	Q9Y3A5	3.28E-16	6.41E-16	-0.0982441		0.665477	-1.38244		17.7391	17.7374	17.6725	17.7146	17.7187	17.8336	17.9998	17.8061	19	18	19	18	19	19	19	19
THUMPD3	Q9BV44	0.93E-07	2.64E-07	-0.0982233		0.734842	-1.50054		15.8055	15.8866	15.7955	16.0307	15.7733	15.9064	16.017	15.9097	12	12	13	14	10	12	12	11
TIAP1	Q5JTD0-2	2.95E-14	3.26E-14	-0.0980468		0.366023	-0.84501		15.3328	15.1769	15.1969	15.2826	15.5734	15.0627	15.3852	15.3639	12	11	10	10	9	10	9	9
POLR2H	P52434	4.69E-10	2.02E-10	-0.0980124		0.54378	-1.17124		15.7612	15.7131	15.8521	15.849	15.7575	16.0695	15.9316	15.7616	6	6	6	6	7	6	5	6
QSOX2	Q6Z8P7	2.56E-24	7.58E-23	-0.0978319		0.486109	-1.06821		15.3662	15.3075	15.3183	15.5477	15.2676	15.4336	15.6074	15.2862	16	16	16	16	9	14	15	11
STXB3	Q15833.Q	0.001908	0.000375	-0.0978031		0.108062	-0.39518		15.7321	15.5449	15.4375	15.3497	16.4494	15.2387	15.6447	1	1	1	1	1	1	NaN	1	
CSOF51	AGNIDU8	2.79E-09	1.09E-09	-0.0975503		0.208528	-0.52457		14.9977	14.81	15.0241	14.6148	15.4406	15.0511	15.1511	14.9499	4	6	6	3	3	5	5	3
AKR1B5	P15121	9.01E-14	8.70E-14	-0.0975235		0.168701	-0.43597		18.6475	18.7232	18.6556	18.34	18.7408	18.6234	19.3629	18.7977	17	17	18	19	17	18	18	17
RABA4	P20338	1.13E-11	6.47E-12	-0.0974962		0.917495	-1.80613		16.5236	16.4481	16.4993	16.5747	16.674	16.5793	16.6942	16.4717	9	9	10	9	8	9	10	9
WDR19	O6P1I9	9.23E-06	2.43E-06	-0.0973372		0.153921	-0.40204		14.2935	14.3148	14.1787	13.6562	14.6443	14.4476	14.5648	14.4656	5	5	4	1	3	3	4	4
RBM28	Q9NMW13	1.21E-22	1.95E-21	-0.0972296	+	1.9165	-3.54672		15.697	15.7279	15.6831	15.8065	15.8065	15.7394	15.7879	15.8591	20	20	20	20	18	21	20	20
OSMR	Q99650	0.000901	0.000187	-0.0971974		0.121342	-0.32497		14.6611	14.6652	14.8717	15.3757	14.7138	15.1208	14.0685	14.8705	6	6	6	7	4	4	4	4
EDRF1	Q3B7T1.Q3	0.005033	0.000899	-0.0970466		0.069983	-0.20009		11.484	NaN	10.0844	10.5191	11.1599	10.7458	11.1002	NaN	3	NaN	1	1	1	1	NaN	4
TBPL1	P63280	7.71E-05	1.85E-05	-0.0970217		0.319205	-0.75378		14.3547	14.3554	14.281	14.5126	14.3144	14.5728	14.1775	14.693	3	3	3	2	2	2	2	2
GNAA1	P29992	1.93E-11	1.07E-11	-0.0969391		1.1808	-2.24439		18.2133	18.2676	18.233	18.2996	18.3022	18.4195	18.3969	18.2564	14	14	15	15	16	15	15	15
HSPA4	P34932	9.18E-18	2.99E-17	-0.0965825		1.27061	-2.39542		17.509	18.767	18.7586	18.804	18.8103	18.8601	18.9693	18.8333	42	42	43	43	41	44	43	42
RP112	P30050	9.14E-05	2.18E-05	-0.0964965		1.24057	-2.34477		20.9869	20.9808	20.9076	21.0485	21.1448	21.0129	20.9756	20.9896	9	10	9	9	9	9	10	10
POMT1	Q9Y6A1.Q9	0.003509	0.000644	-0.0963711		0.456129	-1.01371		13.2597	13.2597	13.4714	13.3077	13.3382	13.2827	13.4708	13.4637	3	3	4	3	1	2	3	3
OPA1	O60313-2	9.95E-12	5.79E-12	-0.0962891		1.2261	-2.32041		15.7959	15.8323	15.8089	15.939	15.8408	15.8548	16.0095	15.8992	37	37	37	37	28	35	36	34
CAPN1	P07384	1.90E-19	1.08E-18	-0.0958402		0.276708	-0.6683		19.0705	19.1729	19.1738	19.6495	19.2073	19.0977	19.0815	19.1384	36	36	36	36	35	36	36	35
CKAP5	Q14008	2.93E-18	1.12E-17	-0.0958078		0.494321	-1.08302		16.2749	16.2629	16.2626	16.4694	16.4835	16.1225	16.3229	16.4146	83	88	88	83	78	79	84	84
MCMS	P33992	7.29E-14	7.21E-14	-0.0956794		0.112264	-0.30288		15.5787	16.664	16.6266	17.2569	16.7389	15.9361	16.5219	17.1403	25	27	29	28	22	27	27	27
NUPB2	Q9Y5Y2	0.000214	4.84E-05	-0.0954025		0.317072	-0.74955		17.2905	17.3901	17.378	17.7206	17.6276	17.282	17.334	17.2771	4	4	5	4	5	5	4	5
CDC42EP1	Q00587.Q	2.03E-11	1.11E-11	-0.0953732		0.206145	-0.51938		16.2419	16.2632	16.3153	16.0062	16.1658	16.8115	16.4418	16.4423	9	8	10	9	9	9	9	9
KRI1	Q8NR9T8	9.34E-05	2.22E-05	-0.0953602		0.340939	-0.79648		14.7813	14.7141	14.7584	15.1525	14.9326	14.7561	14.743	14.649	9	9	10	9	6	9	9	7
TRIP12	Q14669-2	1.54E-16	3.44E-16	-0.0953136		0.605322	-1.27901		15.662	15.6276	15.6106	15.74	15.8611	15.5306	15.7126	15.7909	35	36	34	33	32	33	33	33
CCZ1B.CCZ1	P86790.P8	8.11E-19	3.63E-18	-0.0952975		0.452451	-1.00697		16.1127	16.0337	16.1081	15.9697	16.3964	16.2391	16.158	16.1375	11	13	11	13	8	11	11	12
SSH1	Q8WYL5	1.95E-12	1.31E-12	-0.0952307		0.469498	-1.0381		14.9972	14.9123	14.9712	15.1395	15.183	14.9237	15.1689	14.8622	12	11	12	13	7	9	9	8
NPTN	Q9Y639.O9	7.86E-09	2.90E-09	-0.0951694		0.302857	-0.71222		17.4088	17.3412	17.3347	17.7271	17.1884	17.4069	17.3327	17.6287	10	10	9	9	9	10	10	10
USO1	O60763	7.01E-13	5.25E-13	-0.0951065		0.556684	-1.19401		17.8249	17.8354	17.8318	17.8291	17.8862	18.006	18.1157	17.792	37	38	38	38	36	35	38	37
EIF3	Q75822	1.48E-10	6.94E-11	-0.0950797		0.34552	-0.80541		16.7044	16.689	16.7574	16.7194	16.5628	17.0052	17.0189	16.7539	18	18	18	18	18	19	18	18
MYO9A	B2RTY4.B2	0.000223	5.04E-05	-0.0950069		0.513596	-1.1176		15.0427	14.894	15.0913	14.9843	15.3046	15.0379	15.1217	15.0734	2	1	2	2	1	2	1	1
FBXO38	Q6PIU6	1.45E-07	4.60E-08	-0.0950068		0.388781	-0.8884		14.9249	14.9768	14.8637	15.0884	15.2579	14.78	14.9826	14.9752	3	3	4	3	3	3	3	3
NAA15	Q9BXJ9	1.15E-11	6.61E-12	-0.0948984		0.743213	-1.51468		16.9774	17.0019	16.9985	17.2428	17.0997	16.9501	17.0623	17.0828	36	35	36	38	35	35	34	35
PAF1	Q8N7H5.Q	6.22E-13	4.73E-13	-0.0																				

Gene names	UniProt IDs	Protein Group P- value	Protein Group Q- value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p- value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control 1	Log2 MS2_quantity_ Control 2	Log2 MS2_quantity_ Control 3	Log2 MS2_quantity_ Control 4	Log2 MS2_quantity_ Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
STTB3	Q8TCJ2	1.87E-05	4.77E-06	-0.0919385		0.662569	-1.37767		17.4867	17.5092	17.5441	17.7849	17.5038	17.6261	17.572	17.5395	14	14	15	14	14	15	14	15
ZMAT3	Q9HA38;Q	4.75E-09	1.80E-09	-0.0917622		0.261222	-0.63642		14.4835	14.3417	14.5878	14.3111	14.8174	14.737	14.5949	14.3524	2	3	2	3	2	2	3	3
AP2M1	Q96CWI;Q	1.41E-12	9.77E-13	-0.0916176		1.14646	-2.18695		18.8012	18.8101	18.7774	18.8953	18.9483	18.8804	18.94	18.7752	25	25	26	25	26	26	25	25
QTRT2	Q9H974;Q	1.20E-06	3.45E-07	-0.0915422		0.25006	-0.61318		15.4808	15.5628	15.6571	15.4782	16.0224	15.4868	15.7951	15.5098	5	5	4	4	5	5	2	5
NMD3	Q96D46	1.69E-09	6.75E-10	-0.0913928		0.802877	-1.61498		15.4317	15.4852	15.5318	15.6878	15.5063	15.5561	15.4806	15.6407	16	15	13	16	12	16	15	15
DNAH5	Q75953;Q	0.035851	0.005861	-0.0913167		0.314279	-0.79445		13.8337	13.8965	13.9502	13.842	NaN	NaN	NaN	14.1275	2	1	2	2	NaN	NaN	NaN	1
SNUPN	Q95149	2.29E-12	1.51E-12	-0.0913005		0.319545	-0.75445		15.0044	15.1135	15.0285	15.2406	15.0758	14.8188	15.2777	15.2877	4	3	3	2	3	2	2	2
UBE2L3	P68036;P6	5.71E-05	1.39E-05	-0.0912278		0.528644	-1.14441		19.1324	19.1109	19.1845	19.4226	19.093	19.1366	19.2938	19.2231	8	7	8	8	6	6	7	8
NUDT1	P36639;P3	3.63E-12	2.30E-12	-0.0912029		0.419834	-0.94671		16.0584	15.9349	16.066	16.1627	16.2213	15.8991	16.0082	16.2635	8	8	8	7	7	7	7	8
VMP1	Q96GC9	1.06E-09	4.39E-10	-0.0911284		0.158229	-0.41199		16.4659	16.6773	16.5779	17.2266	16.2618	16.7261	16.6599	16.4498	2	2	2	2	2	3	3	2
MPDZ	Q75970;Q	2.84E-08	9.78E-09	-0.0909269		0.205856	-0.51875		14.7702	14.8341	14.7296	15.0935	15.0981	14.7707	14.9775	14.4045	29	31	32	30	24	26	29	26
CFAP298	P57076	2.47E-09	9.69E-10	-0.0908724		0.515728	-1.12141		15.16	15.252	15.1024	15.1813	15.37	15.0877	15.2988	15.374	1	1	1	1	2	1	3	2
GSP12	Q8IYD1	1.79E-07	5.65E-08	-0.0906609	+	1.45197	-2.70541		15.5418	15.5162	15.6034	15.5972	15.614	15.6226	15.6954	15.6932	6	7	7	8	8	6	7	8
ATP6V1E1	P36543	7.41E-08	2.42E-08	-0.0904112		0.287524	-0.69032		18.3799	18.3109	18.3878	18.4958	18.3425	18.1646	18.7541	18.4927	9	9	9	9	9	8	10	8
STRAP	Q9Y3F4;Q8	7.27E-17	1.78E-16	-0.0898856		0.711511	-1.46105		17.9223	17.932	17.8921	18.1107	17.8452	18.0015	18.0749	17.9944	23	23	22	20	21	23	21	23
NOL7	Q9UMY1	2.03E-06	5.69E-07	-0.0898556		0.458179	-1.01746		15.3392	15.2241	15.128	15.3393	15.4883	15.2033	15.3868	15.1837	3	3	3	3	4	2	3	4
AARS1D1	Q9BT6E;Q8	4.14E-10	1.80E-10	-0.0897886		0.777751	-1.57283		16.5828	16.6424	16.6195	16.605	16.7144	16.8439	16.7259	16.6342	11	12	12	12	11	12	12	11
NME2	P22392-2	2.77E-12	1.80E-12	-0.0896242		0.41896	-0.94509		21.5817	21.6455	21.5555	21.8272	21.4749	21.7967	21.7573	21.5632	17	17	18	19	19	18	18	17
PLEKHG4	Q58E7;Q5	0.0018128	0.001411	-0.0896216		0.101844	-0.27963		14.6776	14.6882	14.8618	15.5873	14.4763	NaN	NaN	14.4295	2	2	3	5	2	NaN	NaN	2
RPN2	P04844	2.36E-10	1.07E-10	-0.0895943		0.482527	-1.06174		19.6227	19.6628	19.6189	19.5314	19.784	19.8221	19.8605	19.6241	23	23	23	23	24	23	24	24
NAP1L5	Q06NT1	0.002723	0.000515	-0.0894709		0.075580	-0.21504		14.3436	14.3338	14.4161	14.497	NaN	NaN	14.7596	13.6324	4	3	3	4	NaN	NaN	3	4
METTL1	Q9UBP6	3.86E-09	1.48E-09	-0.0893212		0.230934	-0.57281		15.6506	15.6555	15.7269	16.1124	15.442	15.7483	15.6167	15.9155	6	7	8	8	6	6	6	8
BL0C156	Q9UL45	2.40E-12	1.58E-12	-0.0891136		0.098269	-0.26824		14.5683	14.2722	14.2218	14.4603	14.8807	14.9936	13.6476	14.2388	2	2	3	2	1	1	1	2
CALR	P27797	1.09E-13	1.02E-13	-0.0889226		0.693421	-1.43032		21.6151	21.7231	21.6766	21.6777	21.8872	21.7678	21.8166	21.6532	23	24	24	23	23	23	23	23
CLIP2	Q9UDT6;Q	1.63E-15	3.99E-15	-0.0886681		0.291882	-0.69914		15.5486	15.6157	15.5392	15.5526	15.9965	15.488	15.7236	15.5216	41	37	39	33	39	31	41	35
MINPP1	Q9UNW1	1.43E-15	5.01E-15	-0.088612		0.275446	-0.66571		16.8504	16.812	16.8542	16.5775	16.8938	17.0816	17.1529	16.9316	8	9	10	10	8	10	10	8
PDML7	Q9NR12	6.63E-09	2.46E-09	-0.0885899		0.271021	-0.65664		19.0276	18.9827	19.007	18.8535	19.0245	19.4659	19.0432	19.093	22	22	21	21	21	22	22	21
BM11	P35226	0.002579	0.000491	-0.0885689		0.497529	-1.0888		14.8626	14.9881	15.068	15.0356	15.1747	14.8907	15.0446	15.1618	3	3	3	2	2	3	3	3
MU11	Q969V5	0.001162	0.000237	-0.0885668		0.304048	-0.72361		14.4713	14.4069	14.4257	14.3806	14.7351	14.2915	14.7351	14.4736	5	4	4	4	4	5	4	4
B3GLCT	Q6Y288	8.49E-10	3.55E-10	-0.0884186		0.219879	-0.54914		15.1743	15.1834	15.125	15.078	15.292	15.0005	15.6884	15.1876	7	9	8	8	7	6	7	5
NUMB	P49757;P4	3.41E-15	4.99E-15	-0.0883539		0.345592	-0.80554		16.9389	16.956	17.0272	17.3608	16.9071	17.0453	16.9303	17.0686	12	10	11	12	12	11	12	12
DNAU1C	Q96KC8	8.15E-13	6.01E-13	-0.0883039		0.226133	-0.56257		15.1198	15.133	15.1417	15.1612	15.175	15.3385	15.5708	14.8534	12	13	13	11	8	13	14	10
LDHB	P07195	1.38E-08	4.94E-09	-0.088172		0.859081	-1.70889		20.3056	20.2865	20.2904	20.406	20.2569	20.4551	20.3349	20.2019	19	19	19	19	19	20	19	19
SPCS2	Q15005	0.000262	5.85E-05	-0.0881383		0.841354	-1.67932		18.5808	18.6155	18.5055	18.6887	18.5738	18.637	18.7734	18.604	12	12	12	12	12	12	12	12
RPN1	P04843	3.64E-07	1.11E-07	-0.0879972		0.525121	-1.13815		20.287	20.3316	20.2977	20.2479	20.4454	20.4863	20.5235	20.264	37	37	37	37	37	37	37	37
CDK9	P50750;P5	0.0002	4.55E-05	-0.0878389		0.726121	-1.4858		15.5028	15.4289	15.4437	15.6539	15.5891	15.5119	15.5716	15.4027	4	4	3	3	4	3	4	5
ATC	P31939	2.11E-12	1.41E-12	-0.0877377		0.391685	-0.8939		18.807	18.8452	18.8091	18.7117	18.9403	19.1239	18.7842	18.979	35	34	34	35	33	34	34	34
PBDC1	Q9BVG4	5.49E-12	3.35E-12	-0.0872875		0.509656	-1.11055		17.7402	17.6646	17.7688	17.6889	17.7372	17.81	18.0191	17.8039	9	10	11	9	8	9	9	9
LMAN2	Q12907	1.22E-13	1.13E-13	-0.0871298		0.729198	-0.67338		19.439	19.5089	19.5137	19.3982	19.4632	19.7181	19.8811	19.4111	15	14	15	15	14	15	15	15
ARM1T	Q9H993	6.60E-05	1.60E-05	-0.0868973		0.588447	-1.70783		16.6506	16.7062	16.7339	16.756	16.8378	16.8786	16.6707	16.7759	8	8	10	10	10	9	8	9
CRELD2	Q6LUXH1;Q	1.10E-09	4.55E-10	-0.0866327		0.292782	-0.70096		15.7833	15.7536	15.7805	15.9055	15.5185	15.8809	16.0835	15.9072	8	7	8	7	8	8	8	8
CC7	Q99832	5.08E-14	5.25E-14	-0.0863441		0.727146	-1.48753		18.9571	18.9928	18.937	19.1467	19.135	18.9969	18.92	19.0446	39	37	39	39	38	37	39	36
CBLL1	Q75N03;Q	0.000294	6.54E-05	-0.086229		0.196512	-0.49825		15.5259	15.3367	15.2268	15.3585	15.6634	15.3993	15.0721	15.7539	1	1	2	2	1	1	1	1
Q9orf64	Q5T6V5	3.30E-11	1.74E-11	-0.0862616		0.409272	-0.92699		16.5358	16.5447	16.5166	16.6851	16.4867	16.8608	16.5515	16.509	14	14	14	15	12	15	15	13
LLPH	Q9BRT6	3.31E-11	1.74E-11	-0.0862287		0.176933	-0.45461		15.5643	15.5678	15.6877	15.987	15.3548	15.3515	15.9267	15.8439	2	4	4	4	4	4	1	3
ARL1	P40616;P4	8.59E-14	8.35E-14	-0.0861736		0.291561	-0.69849		18.4196	18.4166	18.4389	18.5231	18.2155	18.6671	18.7346	18.4157	7	8	7	7	7	7	7	8
RPL18	Q07020	0.000326	7.21E-05	-0.0860686		0.794942	-1.60168		20.9931	21.1785	21.0537	21.1223	21.1384	21.1851	21.2552	21.1049	5	5	5	5	6	5	5	5
TRUB1	Q8BWWH5	0.000273	0.000405	-0.0859392		0.527514	-1.1424		15.0895	15.096	14.927	15.083	15.18	14.9633	15.1481	15.2427	4	4	3	3	3	4	4	4
HCC5	P53701	2.16E-07	6.77E-08	-0.0856486		0.383122	-0.87767		15.7335	15.7874	15.7512	15.8815	15.5817	15.9678	15.9802	15.8041	10	11	11	11	10	10	11	11
LSG1	Q9H089	5.87E-09	2.20E-09	-0.0856342		0.465855	-1.03147		15.5															

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
GALNS	P34059	1.62E-13	1.45E-13	-0.0821636		0.29641	-0.70827		16.2754	16.1499	16.2481	16.2392	16.4699	16.2724	16.5086	16.043	9	9	8	8	8	7	10	7
MIA2	Q96PCS:Q	1.69E-20	1.41E-19	-0.0820869		0.385532	-0.88224		14.8446	14.9531	15.04	15.0569	14.9357	15.1838	15.1238	14.8398	15	15	18	18	10	18	17	15
GNL3L	Q9NVN8	0.002625	0.000499	-0.0818124		0.434683	-0.97427		15.0557	15.1494	15.0424	15.1976	15.2668	14.936	15.1632	15.2581	4	4	5	4	4	3	4	5
AHS41	Q95433	5.88E-10	2.50E-10	-0.0816232		0.262289	-0.63863		17.8067	17.8511	17.8466	18.1965	17.6067	17.854	17.9662	17.9588	18	19	18	18	17	18	19	19
RAB3GAP2	Q9H2M9	3.01E-12	1.94E-12	-0.0813956		0.81692	-1.63849		16.5486	16.6251	16.5707	16.7871	16.5937	16.5968	16.6726	16.664	39	41	42	40	37	40	39	41
CZCD5	Q86YS7:2	8.77E-07	2.57E-07	-0.0813946		0.356205	-0.82611		15.265	15.3299	15.2571	15.3555	15.1508	15.5841	15.4458	15.2906	13	12	15	12	8	11	11	11
COG6	Q9Y2V7	1.35E-07	4.30E-08	-0.0813782		0.486622	-1.06914		16.2389	16.1512	16.2366	16.0998	16.3999	16.373	16.3396	16.2391	14	13	12	12	11	12	13	15
PRDX4	Q13162	3.01E-09	1.17E-09	-0.0812176		0.208804	-0.52517		19.4291	19.5048	19.5315	19.3376	19.4187	19.928	19.7524	19.4118	14	14	13	13	12	14	13	13
IMP1A	P29218:P2	3.08E-10	1.36E-10	-0.081213		0.459881	-1.02057		17.0044	16.9624	17.0066	17.1976	17.1269	16.8481	17.1006	17.0885	13	14	13	14	13	13	13	13
TUBGCP6	Q96R17:Q	4.45E-10	1.92E-10	-0.081074		0.341218	-0.79703		14.2923	14.3234	14.1537	14.2306	14.3783	14.1287	14.528	14.422	3	5	4	3	3	3	5	5
TRMT61A	Q96FX7	2.10E-09	8.30E-10	-0.0810694		0.383296	-0.878		15.089	15.0325	14.8489	15.031	15.2153	15.0654	14.8858	15.1583	2	3	3	4	3	2	2	3
CHCHD3	Q9NX63	1.62E-13	1.45E-13	-0.0810382		1.04958	-2.02556		17.0913	17.0562	17.0693	17.0938	17.2439	17.1274	17.2005	17.101	9	9	9	9	9	9	9	9
POGK	Q9P215	8.41E-09	3.09E-09	-0.0809135		0.021759	-0.06522		13.2171	13.051	12.8258	12.4036	NaN	11.4164	15.5166	NaN	2	1	2	3	NaN	3	1	NaN
CDC42EP4	Q9H3Q1	2.99E-15	4.44E-15	-0.0809071		0.172585	-0.44478		15.5189	15.5848	15.5266	16.0374	15.7244	15.4376	15.2365	15.6859	9	10	9	10	7	8	9	9
RPL35A	P18077	2.09E-05	5.31E-06	-0.0808596		0.653065	-1.36138		19.9274	19.9198	19.8134	19.853	19.9352	20.0378	19.9025	20.0683	9	9	9	9	9	9	9	9
PSMD7	P51665	1.09E-08	3.96E-09	-0.0807789		0.845752	-1.68666		18.3023	18.3601	18.2378	18.3559	18.4767	18.4375	18.3113	18.3643	13	13	13	13	13	12	13	13
TRAPPCC2L	Q9UL3:Q	1.51E-06	4.30E-07	-0.0807778		0.276021	-0.66689		15.961	16.0579	15.9765	16.1634	15.9275	15.8233	16.1374	16.1646	4	4	4	4	4	4	4	4
RDX	P35241:P3	6.55E-09	6.43E-14	-0.0805575		1.03477	-2.00094		18.8616	19.8774	18.8564	20.0092	19.9238	20.0181	19.8592	19.9181	44	43	43	44	4	4	4	4
PPPSAP2	Q60256	0.005609	2.44E-09	-0.0805397		0.573104	-1.22285		16.7394	16.7116	16.6732	16.7215	16.9729	16.738	16.7144	16.7962	10	11	12	10	10	12	12	11
Q92925:Q	0.002302	0.000444	-0.080507		0.235228	-0.58194		15.5385	15.5897	15.6127	15.6718	15.8386	15.2637	15.7396	15.7903	6	6	5	6	4	5	5	4	
SMARTD2	Q96555:Q	0.003078	0.000572	-0.0805045		0.3201	-0.75555		15.2738	15.4226	15.4324	15.2401	15.4133	15.4704	15.4526	7	9	6	5	5	5	5	5	
DHX16	Q60231	9.98E-08	3.22E-08	-0.0804232		0.494132	-1.08268		16.5885	16.4969	16.482	16.5854	16.6187	16.3885	16.4925	16.7125	16	16	15	16	14	16	18	19
ZNF281	Q9Y2X9:Q	0.0014	0.000283	-0.0802025		0.143008	-0.38017		12.8131	12.9195	12.9849	13.013	NaN	13.0129	13.3855	12.5328	3	3	3	2	NaN	2	3	3
CAPN7	Q96W63	5.68E-06	1.53E-06	-0.0801197		0.36987	-0.58567		14.7344	14.7556	14.7452	14.7685	14.5837	15.0843	15.0458	14.6436	16	17	15	15	10	17	16	13
CDC27	P30260:P3	8.23E-10	3.44E-10	-0.0800204		0.648283	-1.35317		15.4888	15.4473	15.4159	15.406	15.6165	15.4634	15.5413	15.6263	12	12	12	13	11	11	12	11
YTHDF3	Q72739	4.57E-13	3.61E-13	-0.0798506		0.651089	-1.35799		16.5666	16.6085	16.5624	16.829	16.6244	16.6368	16.5851	16.6198	14	14	14	13	11	13	12	11
WDTC1	Q8NSD0:Q	0.003319	0.000612	-0.0796948		0.427022	-0.96008		14.7225	14.7492	15.0231	14.9556	14.9224	14.8217	15.004	14.8526	3	3	2	3	3	3	3	4
PL3	P13797	9.79E-12	5.70E-12	-0.0796542		1.001116	-0.27285		19.2888	19.2958	19.2995	19.9236	18.8715	19.8267	18.9312	19.3188	46	47	49	47	43	47	43	45
NSMCE1	Q8WV22	0.00113	0.000232	-0.0796314		0.26386	-0.64188		14.6953	14.9425	14.764	14.9333	14.7398	14.6705	14.9064	15.1511	3	3	3	2	1	2	2	2
OXAL1	Q15070:Q	1.38E-14	1.68E-14	-0.079598		0.255142	-0.62379		15.3776	15.5025	15.4205	15.7141	15.4903	15.1667	15.5939	15.6006	8	9	9	10	8	8	8	8
RP53	P23396	1.51E-09	6.10E-10	-0.079435		1.53009	-2.84156		21.2386	21.2153	21.179	21.2224	21.3373	21.2947	21.3001	21.2973	23	23	23	24	23	23	23	23
LIMS1	P48059:3	1.06E-12	7.63E-13	-0.0792853		0.15579	-0.40637		17.0879	17.1865	17.1421	16.9282	17.0531	17.7701	17.1329	17.2063	17	17	17	16	17	16	17	17
PDIA5	Q14554	1.78E-14	2.11E-14	-0.0792491		0.206618	-0.52041		17.095	17.1637	17.0995	16.9431	17.1091	17.4636	17.4745	17.003	26	27	26	22	21	26	26	24
SCAMP1	Q15126	1.79E-08	6.31E-09	-0.079018		0.401942	-0.91324		16.5617	16.5148	16.6692	16.7303	16.6772	16.8381	16.5474	16.5115	5	6	5	5	4	5	5	5
RAB10	P61026	4.48E-13	3.56E-13	-0.0786208		0.6015	-1.27238		19.8994	19.0069	19.0231	19.1893	19.1536	19.1275	19.0083	18.9468	12	12	12	12	12	12	12	12
ACO1	P21399	4.76E-12	2.93E-12	-0.0785899		0.379183	-0.87017		17.4534	17.5257	17.4729	17.7977	17.5465	17.5557	17.3827	17.5301	35	34	34	34	34	36	35	34
EFL1	Q7222	2.97E-11	1.58E-11	-0.0785815		0.466334	-1.03234		16.1634	16.2223	16.2743	16.5119	16.2568	16.2772	16.229	16.2181	28	27	27	25	23	25	22	22
RAB18	Q9NP72	0.000422	9.18E-05	-0.0785742		0.24135	-0.59489		19.0677	19.0994	19.1103	19.5462	19.0655	18.9794	19.0892	19.175	10	10	10	10	9	10	9	10
CLRF3	Q8IUH8	1.65E-13	1.48E-13	-0.0785585		0.179201	-0.45971		16.9556	15.6488	15.6972	16.0326	15.3212	15.9598	15.6422	15.8397	4	4	4	4	4	4	6	5
SAR1A	Q9NR31	1.01E-11	5.88E-12	-0.0784358		0.479601	-1.05644		18.8681	18.7798	18.756	19.0677	18.7857	18.8096	18.8146	18.9211	7	7	7	7	7	7	7	7
PPII2	Q13356	0.001014	0.000209	-0.0782187		0.170896	-0.44096		15.4541	15.4536	15.4088	15.8266	15.4485	15.0428	15.6356	15.6318	1	3	4	2	1	1	2	1
ACO2	Q99798	1.09E-11	6.27E-12	-0.0782092		1.77665	-3.2847		17.4559	17.4417	17.4414	17.5562	17.544	17.4626	17.5121	17.553	37	38	36	38	37	37	39	38
FN1B	P49356	0.000142	3.29E-05	-0.0781085		0.208952	-0.52549		15.7963	15.8163	15.8372	15.5217	15.8957	15.969	16.215	15.872	5	5	6	6	5	5	5	5
VRK1	Q99986	1.26E-13	1.16E-13	-0.0779747		0.163987	-0.42521		15.27	15.1747	15.256	15.4614	15.1942	14.8656	15.3564	15.6802	6	8	6	6	6	7	7	6
MYCBP2	Q75592:O	1.53E-18	6.34E-18	-0.0778529		0.700683	-1.44267		14.5371	14.5137	14.5643	14.6529	14.6305	14.6556	14.6813	14.4608	42	46	40	39	26	34	35	29
URB1	Q60287	0.000175	4.01E-05	-0.0778177		0.229702	-0.57019		14.8025	14.8925	15.0039	14.9392	14.6438	15.0169	15.2427	15.0447	6	7	9	8	9	7	10	8
ANPEP	P15144	5.41E-08	1.80E-08	-0.0776047		0.126525	-0.33746		20.7344	20.7367	20.6931	20.196	20.718	21.0525	21.1969	20.8315	45	43	44	44	45	44	46	46
BIRC2	Q13490:Q	0.000421	9.16E-05	-0.0775968		0.277983	-0.6709		14.7557	14.7568	14.6102	14.6527	15.0861	14.6366	14.7207	14.8294	5	5	6	4	5	4	4	4
TNS1	Q9HBL0	1.16E-16	2.70E-16	-0.0775164		0.123101	-0.32922		16.396	16.3658	16.3921	16.5638	16.16	17.0873	16.1075	16.3922	51	50	47	51	47	55	50	53
SEPTIN2	Q15019:Q	1.25E-10	5.91E-11	-0.077242		0.654944	-1.3646																	

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
FNBP4	Q8N3X1;Q	0.000129	3.00E-05	-0.0734193		0.266698	-0.64774		14.5017	14.5782	14.7502	14.7602	14.3997	14.7745	14.8146	14.6682	5	6	3	2	1	3	3	3
GATB	Q75879	0.001895	0.000373	-0.073355		0.317676	-0.75075		13.5117	13.4532	13.4098	13.6679	13.7222	13.3345	13.465	13.4682	2	1	1	1	2	2	1	1
MAP3K7	O43318;O	7.94E-12	4.71E-12	-0.0732697		0.760101	-1.54315		14.3028	14.4249	14.4345	14.4573	14.5596	14.4087	14.4149	14.4629	7	9	9	9	7	9	8	10
HYOU1	Q9Y4L1	1.31E-20	1.14E-19	-0.0730048		0.303147	-0.7218		18.4942	18.5308	18.5352	18.6372	18.3447	18.629	18.8094	18.545	34	35	35	34	36	36	36	35
YTHDC1	Q96MU7;Q	2.04E-06	5.73E-07	-0.0729565		0.342753	-0.80002		15.5257	15.4558	15.6071	15.4348	15.5802	15.6948	15.7931	15.5095	8	8	7	7	4	5	6	5
GOLGA5	Q8TBA6	2.62E-23	5.17E-22	-0.0729012		0.464095	-1.02826		15.5279	15.5311	15.5778	15.5101	15.5588	15.7611	15.7288	15.5337	23	24	24	23	20	23	21	21
MYH10	P35580;P	2.57E-21	2.73E-20	-0.0728241		0.133274	-0.35359		18.4479	18.437	18.4469	18.9854	18.2086	18.7826	18.3261	18.281	137	135	137	140	121	135	133	139
SH3GLB1	Q9Y371;Q	8.21E-09	3.02E-09	-0.0727861		0.566448	-1.21117		17.219	17.2477	17.205	17.1981	17.1368	17.1943	17.4158	17.3063	13	13	13	13	13	13	13	13
ALG12	Q9BV10	1.36E-08	4.85E-09	-0.0727367		0.143153	-0.37693		15.8159	15.6613	15.7502	15.7806	15.6479	16.2184	16.0268	15.4024	4	2	3	3	2	3	2	2
GTF2H4	Q92759	0.002249	0.000436	-0.0726433		0.742644	-1.51372		15.3027	15.2474	15.3327	15.3424	15.2734	15.341	15.4687	15.409	4	5	3	4	3	4	5	3
USP5	P45974;P	3.72E-11	1.93E-11	-0.0726391	+	1.89311	-3.50229		18.8452	18.8044	18.8428	18.9279	18.8745	18.8843	18.9445	18.8859	24	25	23	24	25	23	25	23
SLC25A6	P12236	1.23E-07	3.94E-08	-0.0725154		1.18577	-2.25272		20.9405	20.97	20.886	21.0349	21.0683	20.9643	20.9798	20.9761	16	16	16	16	14	17	16	16
CDC42	P60953	1.66E-09	6.64E-10	-0.0723639		0.431735	-0.96881		20.4902	20.599	20.5166	20.5561	20.7822	20.4918	20.6738	20.5342	7	7	7	7	8	7	7	7
PTGR1	Q14914;Q	6.56E-13	4.96E-13	-0.0722664		0.412204	-0.93248		18.2926	18.2961	18.3058	18.2602	18.4532	18.2056	18.5043	18.4288	16	15	15	14	15	14	14	15
POLR3C	Q9BU14	9.71E-05	2.30E-05	-0.0720354		0.204098	-0.51491		14.7005	14.8189	14.8198	14.6067	15.1759	14.6603	14.9446	14.8713	3	2	4	5	2	3	2	5
MYO18A	Q92614;Q	2.42E-14	2.73E-14	-0.0716725		0.340923	-0.79645		16.002	15.9984	16.0153	16.1094	16.2709	15.8593	16.1217	16.0232	46	44	47	49	40	42	44	46
IBAS7	Q57440	0.000169	3.89E-05	-0.0715706		0.388661	-0.88817		15.2934	15.3691	15.2984	15.2367	15.3553	15.3828	15.6014	15.3831	5	4	4	2	2	3	2	3
ITAH4	P09960	6.96E-13	5.22E-13	-0.0715074		0.307542	-0.73059		17.864	17.86	17.8629	17.8248	17.9199	18.119	18.0751	17.7303	27	27	27	27	26	27	27	27
LRN47	Q8N1G4	2.77E-12	1.80E-12	-0.0712427		1.01108	-1.96158		17.7333	17.6846	17.6988	17.7074	17.7755	17.8032	17.8585	17.7395	22	24	22	22	22	21	23	22
PIGS	Q96552	4.36E-13	3.48E-13	-0.0712035	+	1.45971	-2.71883		16.5649	16.6026	16.5856	16.6481	16.6682	16.5956	16.6537	16.7121	11	12	12	12	12	12	12	12
TKT	P29401;P	7.59E-21	7.15E-20	-0.070958		0.301348	-0.7182		20.0209	20.0481	20.0635	20.1502	20.3549	19.9399	19.9738	20.081	35	35	35	35	36	36	35	35
CCDC93	Q567J6	5.61E-17	1.42E-16	-0.0709283		0.566972	-1.21209		15.8713	15.8893	15.8635	15.8896	15.8814	16.0263	16.0741	15.8568	27	28	24	26	22	27	25	25
AMD19	A4D1E9	2.79E-05	7.01E-06	-0.0707632		0.128736	-0.34276		14.2394	14.3337	14.3114	14.4172	13.82	14.3118	14.5359	5	7	5	3	3	6	7	7	
EXOSC3	Q9NQTS	2.83E-07	8.76E-08	-0.0707542		0.195808	-0.49669		15.0314	15.3647	15.4811	15.6439	15.2423	15.2438	15.4165	15.2692	4	6	6	4	3	2	4	6
GNPTAB	Q37906	0.000849	0.000177	-0.070668		0.209334	-0.52633		14.8772	14.7406	14.8029	14.7569	15.2214	14.8985	14.6322	14.8787	2	2	1	2	2	2	2	1
TTI2	Q6NKR4	8.65E-07	2.53E-07	-0.0706121		1.240211	-0.59248		14.2244	14.2318	14.163	14.493	14.3471	14.1107	14.0293	14.405	5	6	6	5	3	5	4	5
SNX29	Q8TEQO;Q	7.09E-05	1.71E-05	-0.0704192		0.114269	-0.30778		15.8518	15.9668	15.8104	16.4373	16.1548	15.7684	15.4368	15.9366	13	15	14	12	10	13	9	11
TYNDC5	Q8N859	4.92E-06	1.33E-06	-0.0703506		0.363281	-0.83975		20.3014	20.3478	20.3229	20.2933	20.4358	20.5359	20.4835	20.1836	23	23	22	23	21	23	23	23
ME3	Q16798	0.003102	0.000576	-0.0702794		0.136582	-0.36483		15.1776	15.1775	15.09	15.2497	NaN	15.6405	14.9593	14.9553	3	3	4	NaN	3	3	3	2
GSTM2	P28161	3.44E-09	1.33E-09	-0.0702131		0.173296	-0.4464		18.2287	18.2115	18.2442	17.8988	18.2325	18.5741	18.4927	18.2938	10	10	10	11	11	10	11	11
MVB12A	Q96EY5	2.73E-12	1.78E-12	-0.0699231		0.25391	-0.62122		16.0355	15.9978	16.0614	16.0153	16.4322	15.9423	16.0037	16.133	8	8	8	7	6	7	8	7
AGPAT1	Q99943	0.004426	0.000798	-0.0698804		0.159329	-0.41453		16.2284	16.3434	16.4546	16.5529	16.0076	16.6519	16.5864	16.261	2	2	2	2	2	3	2	2
SLR1	Q16563-2	1.15E-11	6.58E-12	-0.0697116		0.211726	-0.53152		19.4201	19.3523	19.5134	19.1445	19.6788	19.4834	19.6411	19.5439	6	7	6	7	6	7	7	7
TMEM109	Q9BYVC	0.00013	3.03E-05	-0.0696362		0.214885	-0.53837		19.8308	19.8014	19.7268	19.6136	20.0553	19.6782	20.0847	19.8482	4	4	4	4	4	4	4	4
MRF528	Q9Y2Q9	1.11E-17	3.49E-17	-0.0696285		0.297886	-0.71124		16.2455	16.3676	16.3416	16.4108	16.5728	16.1718	16.2968	16.4871	6	5	6	6	3	5	5	4
GCLM	P48507	7.73E-11	3.78E-11	-0.069578		0.366524	-0.84598		16.6007	16.6886	16.6027	16.8397	16.5348	16.817	16.5977	16.7119	8	9	9	9	7	8	7	9
P4HTM	Q9NXG6;Q	6.00E-05	1.46E-05	-0.0694506		0.155912	-0.40665		16.5544	16.5259	16.5189	16.274	16.7329	16.5093	17.0233	16.473	6	7	8	6	7	6	7	7
MT-CO3	P00414	5.13E-06	1.38E-06	-0.06936		0.165076	-0.4277		13.7276	13.4445	13.6407	13.7837	13.3518	14.0261	13.6477	13.5588	2	2	2	2	2	2	2	2
FKBP1A	P62942	4.07E-15	5.82E-15	-0.0693395		0.108602	-0.29388		20.6673	20.6785	20.7713	21.1043	20.2111	21.1369	20.5469	20.8761	5	5	5	5	5	5	5	5
TMEM259	Q4Z1N3;Q	2.13E-07	6.67E-08	-0.0692718		0.201878	-0.51004		14.2916	14.1954	14.3698	14.5472	14.1867	14.1219	14.6188	14.2997	5	5	5	5	3	4	5	4
RNF7	Q9UBFE	8.67E-07	2.54E-07	-0.0689527		0.296412	-0.70828		16.9999	16.8307	16.7438	17.0696	16.7782	16.9574	17.0357	16.7947	2	2	2	2	2	2	2	2
BET1L	Q9NYM9	6.35E-17	1.59E-16	-0.0689396		0.118961	-0.3192		15.3934	15.5297	15.7872	15.396	15.7119	15.2431	15.7442	16.1001	3	3	4	3	2	3	3	4
ZCCHC8	Q6NZY4	4.06E-12	2.54E-12	-0.0688635		0.301168	-0.71784		15.3459	15.1204	15.1832	15.2239	15.4415	15.2206	15.4166	15.1232	5	7	7	8	5	7	5	8
WDR43	Q15061	1.71E-07	5.43E-08	-0.0688523		0.219525	-0.54838		15.9117	16.0199	15.9294	16.1137	15.6706	16.0292	16.0971	16.2009	12	10	12	14	11	12	11	12
NUDT3	Q95989	0.000833	0.000174	-0.0688566		0.261661	-0.63733		17.3582	17.3306	17.3836	17.4322	17.6717	17.2262	17.5468	17.2734	3	2	3	2	2	2	2	2
MLKL	Q8NB16	7.19E-11	3.53E-11	-0.0688512		0.132964	-0.35285		14.6266	14.7101	14.667	15.1774	14.8485	14.5003	14.3453	14.8107	10	11	10	12	7	12	7	10
RNF34	Q969K3;Q	1.89E-14	2.20E-14	-0.0688455		0.294776	-0.70498		14.4366	14.2838	14.4371	14.477	14.7073	14.3742	14.3764	14.3371	3	3	3	3	3	3	3	3
ERCC3	P19447	3.60E-10	1.58E-10	-0.0684593		0.417243	-0.94189		14.5984	14.6956	14.5793	14.616	14.8452	14.7243	14.7286	14.5505	12	9	10	8	7	6	7	6
ASL	P04424;P	4.02E-16	7.58E-16	-0.0683403		0.133212	-0.35344		17.1223	17.15	17.1502	17.238	17.0002	17.4134	16.7888	17.6056	17	17	17	19	17	18	18	18
MAP4	P27816;P	5.78E-15	7.82E-15	-0.0681423		0.812604	-1.63126																	

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
ABCF2	Q9UG63;Q	7.57E-17	1.84E-16	-0.0647559		0.150845	-0.39491		16.4955	16.5299	16.5085	16.9384	16.1804	16.5955	16.5007	16.6653	25	24	24	25	21	26	25	25
O95391	0.002275	0.00044	-0.064707		0.173028	-0.44579		13.9675	13.8903	13.9132	13.9927	14.1182	14.1182	14.1444	13.5689		3	3	3	2	2	1	2	2
TPP1	O14773	1.11E-08	4.02E-09	-0.0646826		0.096593	-0.26404		18.1935	18.1165	18.1334	17.7455	18.0647	18.4301	18.802	18.02	7	7	7	7	7	7	7	7
ATP5F1C	P36542;P3	8.38E-15	1.08E-14	-0.064667		0.799552	-1.60941		19.1173	19.1956	19.1186	19.1243	19.1847	19.2379	19.212	19.2834	10	10	10	10	10	10	10	10
RGP1	Q92546	2.88E-15	4.32E-15	-0.0644568		0.189349	-0.48239		14.8848	14.715	14.7533	14.73	14.9459	14.9956	15.0433	14.5293	4	6	7	5	6	6	7	6
GPX7	Q96SL4	6.76E-09	2.51E-09	-0.0642949		0.058251	-0.16485		17.0066	16.9824	16.9633	16.0737	17.3279	17.8662	17.0418	16.9324	5	6	6	3	5	5	5	6
RBML2B	Q8IXT5	7.66E-12	4.55E-12	-0.0642731		0.485201	-1.06657		15.1733	15.1709	15.1182	15.2277	15.1661	15.0804	15.3269	15.2909	17	17	16	17	15	13	15	16
SPATAS	Q8NB90	3.44E-06	9.47E-07	-0.0642359		0.248066	-0.60901		15.2935	15.3023	15.2521	15.5513	15.1922	15.2454	15.525	15.2204	10	10	8	10	6	11	11	11
MCMA	P33991	1.02E-11	5.93E-12	-0.0640509		0.086919	-0.2396		16.2304	16.2254	16.2394	16.7595	16.341	15.6086	16.1628	16.6071	26	27	28	30	27	20	28	29
MOSPD2	Q8NHP6	2.41E-11	1.31E-11	-0.0640062		0.36374	-0.84063		16.2577	16.3008	16.3349	16.2569	16.3517	16.4124	16.5465	16.2416	15	14	16	13	14	16	15	15
ACSS2	Q9NR19;Q	2.23E-08	7.75E-09	-0.0639174		0.219066	-0.5474		16.0944	16.2115	16.1984	16.5502	16.07	16.1174	16.2541	16.1685	16	16	17	17	13	16	15	16
PLPP1	O14494	1.40E-05	3.63E-06	-0.0638549		0.207	-0.52124		16.8782	16.8846	17.0265	16.7757	16.9665	17.3155	16.9559	16.9545	5	4	4	4	3	4	5	4
KLHL12	Q53G59;Q	0.002524	0.000482	-0.0638192		0.070368	-0.19858		14.5105	14.3397	14.6227	14.9559	13.8573	14.4261	NaN	14.9799	2	2	1	2	2	1	NaN	2
PYGM	P11217	8.83E-06	2.33E-06	-0.0637981		0.104041	-0.28261		18.7232	18.7202	18.6212	18.3025	18.7602	18.915	19.2779	18.5044	12	12	12	10	11	11	11	11
BRAT1	P6P1G6	1.19E-12	8.46E-13	-0.0637846		0.128073	-0.34117		15.3048	15.2806	15.227	14.9614	15.7188	15.097	15.5506	15.345	15	14	12	7	11	5	13	7
COIL	P38432	0.000138	3.21E-05	-0.0635417		0.207849	-0.52309		15.0283	14.9599	15.0129	15.2581	15.2061	14.856	14.8354	15.164	6	5	6	6	4	5	7	6
CHMP4B	Q9H444	3.41E-07	1.05E-07	-0.0635384		0.104123	-0.28281		17.5293	17.53	17.5343	17.8978	17.7805	16.9421	17.6441	17.7091	8	9	9	9	8	7	8	9
SNK2	Q96L92	4.09E-09	1.56E-09	-0.0634514		1.27301	-2.39949		16.0976	16.1216	16.1429	16.2109	16.1652	16.1551	16.2432	16.1463	18	18	18	19	14	17	18	18
SLC25A20	O43772	3.04E-10	1.35E-10	-0.0634351		0.438617	-0.98153		16.3519	16.3337	16.221	16.3095	16.2401	16.376	16.411	16.4916	12	12	11	10	11	11	11	11
CIRBP	Q14011	2.20E-05	5.58E-06	-0.0634197		0.122902	-0.34344		17.1742	17.2468	17.3318	17.2136	16.9445	17.7866	17.2888	17.3383	4	6	4	3	5	5	4	4
COG8	Q96M4V5	6.00E-05	1.46E-05	-0.0633609		0.224498	-0.55478		15.859	15.8506	15.7678	15.7238	16.1042	15.7169	16.0748	15.8261	5	7	6	8	8	8	8	8
SURF6	Q75683	0.001789	0.000355	-0.0633366		0.28826	-0.69181		15.1338	15.0703	14.8503	15.0016	14.9456	15.2227	15.0835	15.1539	6	8	7	7	7	7	7	7
NUPD1	Q8NDH3;Q	6.99E-11	3.46E-11	-0.0632346		0.214396	-0.53731		15.5935	15.6804	15.5357	15.4019	15.6137	15.8048	15.8925	15.6192	9	9	9	9	9	9	9	9
RBBP6	Q726E9;Q	0.002069	0.000404	-0.0631898		0.161639	-0.41983		13.4553	13.3673	13.7273	13.3899	13.6514	13.4327	13.4998	13.9317	3	4	2	2	4	4	3	3
LINT7	Q9NUP9	2.89E-14	3.21E-14	-0.0631879		0.175064	-0.45083		16.3112	16.4141	16.1472	16.3804	15.9083	16.4823	16.3617	16.1872	6	5	5	4	5	4	4	5
PRCC	Q82733	2.43E-05	6.12E-06	-0.0631411		0.252361	-0.61799		15.3517	15.3381	15.231	15.1965	15.5952	15.4629	15.3644	15.2314	4	4	5	5	4	5	4	4
NAP1LC3A	Q9H492;Q	0.000898	0.000186	-0.0631368		0.151802	-0.39713		19.4695	19.5804	19.4143	19.8502	19.304	19.3635	19.4255	19.8129	3	3	3	4	3	3	3	3
MRRP1L4	O6P118	9.96E-11	4.77E-11	-0.0630739		0.223988	-0.55797		16.6284	16.6136	16.623	16.6013	16.94	16.4592	16.6135	16.8096	3	3	4	3	3	4	4	4
ARMKC3	Q9UHH6	1.68E-11	9.39E-12	-0.0628412		0.594392	-1.26002		17.3842	17.363	17.4332	17.4071	17.4775	17.3504	17.5574	17.4894	15	14	15	14	14	15	15	15
HMOX2	P30519	3.10E-14	3.40E-14	-0.0626628		0.24761	-0.60805		16.6731	16.7372	16.7195	17.0311	16.5879	16.6497	16.792	16.8023	11	12	12	12	11	12	12	12
DTNBP1	Q96EV8	9.08E-06	2.39E-06	-0.0626141		0.176303	-0.45319		14.7972	14.971	14.9593	14.7308	15.0105	15.2535	15.0961	14.7681	7	6	6	5	4	6	5	4
ACTN1	P12814	5.37E-15	7.35E-15	-0.0625413		0.361325	-0.83598		21.345	21.3764	21.3687	21.3733	21.3018	21.6284	21.4512	21.3749	64	67	67	65	62	64	65	65
MITAP	Q9NV06	9.50E-06	2.50E-06	-0.0624781		0.467792	-1.035		14.4711	14.5023	14.5344	14.57	14.8608	14.6297	14.6603	14.4047	8	9	9	7	4	6	7	6
RP58	P62241	2.97E-18	1.12E-17	-0.0624214		0.649744	-1.35568		21.3673	21.3754	21.3393	21.4063	21.5549	21.402	21.3587	21.3934	14	14	14	14	14	14	14	14
NOMO1	Q15155	0.001235	0.000252	-0.0623501		0.090601	-0.24895		14.882	14.8242	14.8909	15.3492	14.3995	14.4319	14.5673	14.573	2	2	2	2	1	2	2	1
SLC2A3	P11169	0.002052	0.000401	-0.0623571		0.159277	-0.41441		16.3041	16.2564	16.3086	16.6037	16.6233	16.0692	16.2172	16.2381	5	5	5	3	3	4	4	3
SEPTIN9	Q9UHD8-5	1.22E-11	7.00E-12	-0.0623254		0.25135	-0.61588		19.3692	19.3959	19.4013	19.5294	19.6222	19.1511	19.5101	19.5028	34	36	36	36	34	34	35	34
ARCN1	P48444	1.08E-15	1.83E-15	-0.0622735		0.455473	-1.01251		18.649	18.6494	18.6362	18.7602	18.5415	18.8007	18.7571	18.6763	34	34	34	35	34	35	34	35
PSMD13	Q9UNM6	2.58E-13	2.20E-13	-0.0622103		1.20339	-2.28226		18.2813	18.2642	18.2942	18.2947	18.0276	18.0982	18.1927	18.0641	12	12	13	12	12	12	13	12
LUZP1	Q86V48	2.81E-23	5.46E-22	-0.0618246		0.304783	-0.72508		15.957	15.9568	15.9193	16.1726	15.79	16.0771	16.0194	15.9717	43	43	46	45	41	43	44	40
ACSL1	P33121	5.75E-21	5.59E-20	-0.061787		0.251074	-0.6153		16.1897	16.1651	16.226	16.2534	15.9815	16.4221	16.2723	16.3474	24	23	24	23	24	24	19	19
DRG1	Q9Y295	7.60E-14	7.48E-14	-0.061778		1.25527	-2.36954		17.1842	17.1562	17.148	17.2605	17.2471	17.2172	17.1556	17.2425	20	20	20	21	21	20	21	21
PLCG1	P19174;P1	3.79E-13	3.08E-13	-0.0616102		0.161904	-0.42044		16.1231	16.1215	16.1019	16.49	16.3515	15.8656	16.0737	16.1047	25	25	27	31	25	21	24	24
PPM1G	O15355	7.95E-09	2.93E-09	-0.061543		0.275106	-0.66502		16.5262	16.5271	16.5058	16.784	16.476	16.392	16.583	16.671	16	16	16	17	17	15	18	18
CNO710	Q9H9A5;Q	6.73E-05	1.63E-05	-0.0608033		0.415315	-0.93829		16.0388	16.1834	16.1106	16.151	16.2624	16.2812	16.0758	16.0883	9	8	10	6	6	8	6	7
PSD3	Q9NY10;Q	1.37E-06	3.92E-07	-0.0607452		0.053784	-0.15286		15.0001	15.1768	15.1334	14.2709	16.0224	15.2271	15.4831	14.8185	8	11	11	6	13	11	12	5
ARMC6	Q6NXX6;Q	3.24E-07	9.97E-08	-0.0607002		0.566871	-1.21192		15.2275	15.1783	15.2416	15.4181	15.2505	15.2315	15.2215	15.261	8	8	8	7	6	7	7	8
HECTD3	Q5T447	3.18E-11	1.68E-11	-0.0606018		0.221327	-0.55226		15.6861	15.696	15.6293	15.961	15.7781	15.4535	15.7116	15.7511	12	13	10	11	8	8	9	10
DPM1	Q60762	2.79E-11	1.49E-11	-0.0605498		0.35241	-0.81877		18.0119	17.9662	17.9843	17.8574	18.0276	18.0982	18.1927	18.0641	12	12	13	12	12	12	13	12
BYSL	Q13895	4.04E-13	3.26E-13	-0.060545		0.248655	-0.61024																	

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
XIAP	P98170	0.000111	2.62E-05	-0.0574689		0.391992	-0.894848		15.2364	15.2623	15.1419	15.2942	15.4329	15.2109	15.2188	15.1982	11	11	11	7	6	9	8	8
DDX24	Q9GZ87	8.96E-14	8.66E-14	-0.0574041		0.321325	-0.75797		15.4391	15.4012	15.453	15.5604	15.4363	15.3157	15.4825	15.4825	17	18	16	15	14	15	15	16
YES1	P07947	6.63E-10	2.80E-10	-0.0572631		0.124633	-0.33291		16.6676	16.719	16.6912	17.0266	16.7896	16.8439	16.2616	16.8276	14	13	14	15	12	14	12	11
GXYLT1	Q4G148;Q	2.45E-10	1.11E-10	-0.057224		0.214607	-0.53777		15.3463	15.3024	15.1995	15.3431	15.5852	15.4089	15.2013	15.1614	4	3	4	3	3	3	3	3
TEFM	Q960E5	0.001599	0.00032	-0.0571449		0.126333	-0.337		15.1147	15.1068	15.0044	14.6438	15.2731	15.1922	15.1984	15.3547	2	2	2	1	1	2	2	2
PTPRK	Q15262-2	8.03E-13	5.93E-13	-0.0570227		0.182856	-0.46791		15.0557	15.0826	15.082	14.9573	15.0486	15.2415	15.434	14.9709	15	15	13	14	10	12	14	9
VPS18	Q9P253	2.13E-19	1.19E-18	-0.0568446		0.524308	-1.1367		16.0972	16.0967	16.0301	16.0415	16.2129	16.1374	16.205	16.0608	26	27	26	27	24	26	26	26
SDF2	Q99470	5.52E-09	2.07E-09	-0.0567935		0.075868	-0.21121		15.8505	16.0105	15.9339	16.1118	15.7877	16.4493	16.2264	15.8758	4	5	5	5	4	5	5	4
PRKD2	Q9BZL6;Q	9.95E-15	1.27E-14	-0.0567451		0.103313	-0.2808		15.0039	14.8606	14.7991	15.1084	15.2501	14.768	14.4496	15.1469	3	3	4	4	4	4	4	4
VARS1	P26640	1.39E-13	1.27E-13	-0.0565881		0.30703	-0.72957		18.3194	18.3369	18.337	18.512	18.2634	18.5437	18.3161	18.3033	50	49	49	47	48	50	49	51
MECP2	P51608;P	8.99E-10	3.75E-10	-0.0564366		0.186085	-0.47512		15.1301	15.3285	15.3363	15.1395	15.2299	15.5018	15.5308	15.2051	8	8	8	8	7	7	8	7
STX17	P56962	0.00172	0.000342	-0.056192		0.072963	-0.20541		14.6104	14.2163	14.3407	13.8057	NaN	14.7483	14.6504	14.5768	4	5	6	4	NaN	2	4	3
CLPX	O76031	1.72E-14	2.04E-14	-0.0561224		0.371451	-0.85541		15.8708	15.9081	15.8891	15.9153	16.079	15.7864	15.9409	16.0059	16	15	17	14	14	16	17	16
PITPNA	Q00169	4.12E-06	1.12E-06	-0.0560948		0.155323	-0.40529		16.1213	16.2344	16.294	16.3953	15.9661	16.4674	16.4303	16.1043	12	13	12	11	9	10	10	10
PURA	Q00577	6.34E-05	1.54E-05	-0.0559696		0.306059	-0.72763		17.6048	17.5991	17.5511	17.6089	17.6681	17.7672	17.7213	17.4393	7	7	6	7	6	6	6	7
PP1F	P30405	1.49E-06	4.26E-07	-0.0557635		0.075901	-0.21129		16.7338	16.7916	16.7131	16.2191	17.2991	16.8824	16.4988	17.1102	8	8	8	7	7	7	8	8
EMC10	Q5UC44;Q	0.000107	2.52E-05	-0.0557192		0.442417	-0.98854		16.6736	16.6177	16.6719	16.7219	16.6579	16.823	16.762	16.586	4	3	3	3	3	4	4	4
USP40	Q9NVE5;Q	4.65E-07	1.41E-07	-0.0555627		0.094776	-0.25948		14.3407	14.1959	14.1948	13.7122	14.4784	14.4852	14.5917	14.2293	4	5	4	3	1	2	3	2
SH3KBP1	Q96897	2.70E-16	5.43E-16	-0.0552954		0.184013	-0.4705		16.352	16.3	16.3686	16.6044	16.2241	16.1936	16.5907	16.3646	22	23	22	23	20	21	21	21
EEA1	Q15075	8.30E-21	7.58E-20	-0.0552841		0.221096	-0.55176		16.9505	16.9597	16.9576	16.7352	17.1632	17.1218	17.0431	16.9927	81	80	79	75	80	81	80	80
TRMT11	Q72464;Q	0.000956	0.001643	-0.0552691		0.203172	-0.51288		14.7693	14.8746	14.869	15.0893	14.9835	14.9053	14.8693	14.617	3	3	3	2	1	2	2	2
BREP9K	Q726M1	3.59E-07	1.10E-07	-0.0551905		0.098058	-0.26771		14.8676	14.8969	15.0101	14.4426	15.2007	15.1473	15.267	14.8426	10	9	12	8	7	11	10	8
ACBD6	Q9BR61	2.50E-10	1.13E-10	-0.0551863		0.17902	-0.4593		14.7729	14.9076	14.9076	15.0524	14.7958	14.6928	15.1165	15.1888	7	7	7	8	7	8	7	4
TRIP4	Q15650	3.36E-13	2.77E-13	-0.0551409		0.241766	-0.59576		15.6326	15.6749	15.5798	15.6524	15.8755	15.6171	15.7888	15.4873	13	16	17	14	15	14	15	15
KIRREL1	Q96184;Q	1.76E-09	7.02E-10	-0.0551212		0.721747	-0.65813		15.5315	15.4698	15.4821	15.7403	15.4241	15.6281	15.4137	15.5417	12	13	12	13	8	12	11	9
RPS4X	P62701	4.89E-15	6.78E-15	-0.0549151		0.468889	-1.03699		20.4255	20.4647	20.4483	20.3891	20.5936	20.562	20.4298	20.5308	22	21	22	20	21	22	21	22
ARAF	P10398	2.40E-07	7.50E-08	-0.0548016		0.316422	-0.74826		15.8577	15.9323	15.8965	15.8626	15.1616	15.9067	15.9022	15.9183	11	12	12	13	8	14	13	11
CCT8	P50990	5.27E-14	5.43E-14	-0.0545736		0.492868	-1.08041		19.7208	19.768	19.7162	19.9265	19.7794	19.772	19.7292	19.7908	38	36	37	36	37	36	37	36
B3GALT6	Q96L58	5.99E-05	1.46E-05	-0.0544619		0.104109	-0.28278		16.3065	16.2986	16.2783	16.8755	16.3736	16.0304	16.3046	16.3046	4	4	5	5	4	4	5	5
RPS3A	P61247	3.15E-19	1.65E-18	-0.0542328		0.331153	-0.77734		19.7758	19.8018	19.7502	19.8108	19.9906	19.872	19.6723	19.8052	25	24	25	24	24	25	25	25
PRMT7	Q9NVM4;C	0.00098	0.000202	-0.0542201		0.123044	-0.32908		13.5453	13.5624	13.5479	13.808	13.7751	13.1672	13.4953	13.4514	5	5	4	5	2	5	3	4
RPS19	P39019	1.35E-06	3.86E-07	-0.0542107		1.09817	-2.1064		19.9144	19.878	19.845	19.9299	19.9152	19.9936	19.9266	19.9013	11	11	10	9	11	11	10	11
MTM1	Q13496	5.11E-105	1.25E-05	-0.0540315		0.437052	-0.97864		15.2141	15.2036	15.3284	15.2905	15.3554	15.3955	15.2824	15.1898	8	9	8	8	8	8	9	9
MSMO1	Q15800	2.38E-05	6.02E-06	-0.0537919		0.036691	-0.10607		17.2385	17.1251	17.21	18.1572	17.8569	16.6847	16.0916	17.4344	4	3	3	3	2	3	3	3
ADPRS	Q9NX46	1.78E-07	5.62E-08	-0.0536668		0.244644	-0.60182		16.3128	16.2611	16.3337	16.4599	16.1242	16.5035	16.3574	16.3361	9	9	8	10	9	10	10	10
RPS20	P60866;P	1.40E-05	3.63E-06	-0.0535739		0.418547	-0.94432		20.4808	20.378	20.37	20.4565	20.607	20.4389	20.3858	20.4275	5	5	5	5	5	5	5	5
TRIP11	Q15643	2.82E-19	1.52E-18	-0.0535446		0.215933	-0.54063		15.2381	15.2583	15.2411	15.1435	15.373	15.2847	15.5421	15.1536	43	48	45	45	34	46	48	41
AK5	Q9YK8;Q	3.05E-12	2.11E-12	-0.05354		0.056708	-0.16072		18.9099	18.9716	18.9055	19.4649	19.6261	18.2849	18.6673	18.8695	14	15	15	14	14	14	14	14
ADA	P00813	1.30E-15	1.79E-15	-0.0533849		0.043397	-0.12461		15.8069	15.8376	15.8779	15.145	15.5094	16.9544	15.5948	16.2674	15	15	15	17	14	16	16	16
CTNNA1	P35221	2.28E-14	2.61E-14	-0.0527851		0.174512	-0.44914		17.8655	17.8188	17.8418	18.0616	17.5815	18.0539	17.9268	17.8503	47	46	47	46	43	47	45	46
TP53BP1	Q12888;Q	2.56E-24	7.58E-23	-0.0527414		0.345623	-0.8056		16.2018	16.1409	16.1786	16.0513	16.3229	16.2472	16.3015	16.2095	32	33	37	37	28	35	36	31
NDUF54	O43181	9.70E-08	3.14E-08	-0.0519055		0.154416	-0.40319		15.5568	15.5664	15.5516	15.6209	15.2931	15.7228	15.8717	15.5423	3	3	3	3	2	3	3	2
SDF4	Q9BRK5	1.82E-11	1.01E-11	-0.051893		0.350586	-0.81524		16.9815	17.0225	17.0107	16.9464	17.0184	17.2225	17.0608	17.0898	15	14	13	14	14	14	15	14
MTFR1L	Q9H019;Q	7.56E-13	5.63E-13	-0.051848		0.23857	-0.58902		15.7418	15.6466	15.677	15.6135	15.9109	15.7141	15.5966	15.8665	5	5	5	5	5	5	5	5
ACTN4	O43707	4.86E-19	2.39E-18	-0.0518476		0.13028	-0.34645		20.4024	20.4421	20.4108	20.0315	20.5978	20.6558	20.5331	20.5331	47	46	46	47	45	47	46	47
CAMK1	Q14012	3.48E-10	1.53E-10	-0.0516401		0.346671	-0.80764		15.4558	15.3825	15.492	15.5433	15.6138	15.3563	15.524	15.4381	10	10	10	10	10	9	10	9
BMPEP	Q8NBU9	1.14E-06	3.28E-07	-0.0515783		0.052102	-0.14832		14.2274	14.4008	14.4557	15.2353	14.49	13.9327	13.7963	14.61	8	10	9	11	6	5	4	6
TASOR	Q9UK61;Q	2.16E-05	5.50E-06	-0.0514879		0.21305	-0.53439		14.2771	14.4257	14.3767	14.2814	14.4371	14.2299	14.5245	14.5837	8	8	8	9	5	8	7	6
PREB	Q9HCU5	1.23E-11	7.04E-12	-0.0512512		0.590539	-1.25331		16.1698	16.1811	16.1904	16.2904	16.2255	16.277	16.2471	16.1184	10	8	9	8	8	8	9	8
CAPZB	P47756-2	3.44E-13	2.82E-13	-0.0510146		0.418657	-0.																	

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
TAOK3	Q9H2K8	2.35E-06	6.57E-07	-0.0464888		0.095914	-0.26234		15.6245	15.6852	15.7487	16.0799	15.9237	15.4535	15.4068	15.7991	19	16	18	17	16	16	18	15
FUND02	Q9BWH2	9.53E-07	2.78E-07	-0.0463471		0.216032	-0.54085		15.716	15.6173	15.6455	15.5631	15.6141	15.7584	15.918	15.6763	6	7	6	6	6	7	6	6
RSF1	Q96723	2.44E-05	6.16E-06	-0.0463315		0.16691	-0.43189		15.6549	15.6448	15.6281	15.8788	15.7003	15.4421	15.8361	15.5873	10	12	10	15	7	11	9	11
KPNA4	O00629	9.49E-07	2.77E-07	-0.0462735		0.443484	-0.9905		17.54	17.5984	17.6282	17.6086	17.6105	17.5473	17.7348	17.6746	16	16	16	15	14	17	17	15
NCDN	Q9UBB6	2.82E-12	1.82E-12	-0.0461324		0.34603	-0.8064		16.4426	16.4385	16.4007	16.6283	16.3818	16.4325	16.4354	16.489	18	16	19	17	18	18	19	18
EIF5B	O60841	1.78E-10	8.21E-11	-0.0460464		0.341637	-0.79784		16.8063	16.8508	16.8618	16.9841	16.7447	16.9197	16.9399	16.8401	44	47	48	46	41	45	49	44
VDR	P11473;P1	0.000742	0.000156	-0.0459759		0.092558	-0.25389		13.6717	13.6158	13.8225	13.7358	13.3558	14.1677	13.8326	13.6546	1	3	1	1	1	1	2	1
THG14	Q9NWX6	0.001291	0.000262	-0.0459133		0.100252	-0.27319		15.7847	15.7215	15.6632	15.9074	15.3477	16.1014	15.7766	15.7122	2	1	2	2	1	3	2	1
DLGAP4	Q9V2H0	1.82E-12	1.23E-12	-0.0458987		0.233563	-0.5784		15.8967	15.8579	15.8616	16.1264	15.8797	15.8297	15.7938	15.9602	10	12	12	12	11	11	12	12
ABCC10	Q5T3U5	0.00279	0.000525	-0.0452134		0.048098	-0.14036		13.0855	12.6709	12.0987	NaN	12.3758	12.8684	NaN	12.7466	3	1	1	NaN	1	2	NaN	1
WASHC2A	Q641Q2	1.95E-15	3.07E-15	-0.0451043		0.197867	-0.50123		15.741	15.6803	15.6608	15.7172	15.5791	15.853	15.9252	15.6212	25	24	27	24	22	24	24	23
MLST8	Q9BVC4	2.51E-11	1.35E-11	-0.0449823		0.174514	-0.44915		15.2623	15.196	15.0699	15.15	15.205	15.3286	15.4067	15.0151	6	6	6	5	5	5	5	5
RPL26	P61254	1.13E-05	2.95E-06	-0.0448527		0.274656	-0.6641		20.358	20.3818	20.2341	20.2059	20.4515	20.4055	20.354	20.4306	11	11	11	12	12	12	12	12
E1F4ENF1	Q9NRA8	1.99E-05	5.08E-06	-0.0447344		0.15088	-0.39499		15.2602	15.1637	15.3207	15.5332	15.1763	15.0705	15.2873	15.3974	4	5	5	4	3	5	4	4
HNRNP1A	P09651;P0	1.02E-05	2.68E-06	-0.0445845		0.305046	-0.7256		20.443	20.4711	20.4491	20.5415	20.5475	20.3391	20.4628	20.6039	17	16	16	16	16	16	16	16
ECE1	P42892;P4	1.06E-15	1.80E-15	-0.0445152		0.065858	-1.8504		16.956	16.933	16.971	17.3923	17.1691	16.396	16.7895	17.2423	20	23	19	17	20	20	19	19
GTF2E1	P29083	7.09E-05	1.71E-05	-0.0444607		0.131464	-0.34927		15.6546	15.7255	15.5891	15.8786	15.8436	15.3619	15.6554	15.7647	4	5	4	4	4	3	4	4
ZYG11B	Q9C0D3	1.32E-09	5.38E-10	-0.0442539		0.162261	-0.42126		14.6818	14.7141	14.6592	14.7129	15.0279	14.5689	14.6633	14.6735	7	7	7	7	7	7	7	7
NEK7	Q8T0X7	1.43E-14	1.74E-14	-0.0442434		0.047356	-0.20729		18.4758	18.5099	18.4251	18.1103	18.2776	18.9011	18.41	18.8737	16	16	16	15	15	16	15	16
DNAJB2	P25686	5.85E-05	1.43E-05	-0.0441778		0.095083	-0.26025		15.3133	15.3214	15.4541	15.6777	15.7213	15.1083	15.1172	15.5209	6	6	7	7	5	7	6	7
C11orf54	Q9H0W9	2.98E-13	2.49E-13	-0.0436537		0.039513	-0.11418		16.6192	16.642	16.6637	15.8997	16.9525	17.0697	17.3841	16.1206	8	7	9	7	6	9	9	7
ATXN1	P54253	0.001721	0.000342	-0.0435584		0.030106	-0.09128		14.3622	13.3429	13.6732	NaN	NaN	14.2097	NaN	13.4629	2	4	3	NaN	NaN	2	NaN	1
DAD1	P61803	0.000524	0.000112	-0.0435504		0.205368	-0.51986		18.7709	18.6715	18.7088	18.7424	18.7782	18.9286	18.8015	18.8015	4	4	4	4	4	4	4	4
GCN1	Q92616	5.55E-17	1.41E-16	-0.0434577		0.496466	-1.08688		17.4745	17.4585	17.436	17.5836	17.4393	17.4196	17.5275	17.4838	121	123	123	123	116	121	124	119
CARD19	Q961W7	0.000251	5.63E-05	-0.0434102		0.068969	-0.19322		15.7031	15.3146	15.8363	15.3353	15.65	15.3516	15.9187	16.0516	6	6	6	6	6	6	6	6
GSS	P48637	1.75E-11	9.72E-12	-0.0433322		0.728072	-1.4891		18.1601	18.275	18.1669	18.2542	18.2803	18.2293	18.193	18.1797	20	18	19	19	19	18	19	19
FRG1	Q14331	5.31E-11	2.69E-11	-0.0432895		0.118515	-0.31812		15.9916	16.0999	16.0609	16.2343	16.0871	15.7076	16.2451	16.1961	4	4	4	4	5	4	5	4
OS9	Q13438	5.46E-07	1.64E-07	-0.0431826		0.481133	-1.05922		15.5802	15.6524	15.5728	15.6279	15.6349	15.7414	15.6473	15.5734	10	9	9	8	7	11	10	9
VPS16	Q9H269	4.80E-07	1.45E-07	-0.0431567		0.246906	-0.60657		16.282	16.3141	16.333	16.3691	16.2484	16.4078	16.5124	16.2264	20	21	20	20	17	18	20	18
NDUF33	Q75489	1.82E-14	2.14E-14	-0.0429751		0.501024	-1.09508		17.8404	17.7159	17.7904	17.7985	17.8265	17.8997	17.8322	17.769	12	12	12	12	11	11	12	11
RBM27	Q9Y388	4.47E-06	1.22E-06	-0.0426973		0.094112	-0.25781		13.3538	13.2958	13.3873	13.0088	13.5752	13.2779	13.4283	13.7014	2	2	2	1	2	2	2	2
OSBPL8	Q9B2F1	1.41E-11	7.95E-12	-0.0426898		0.270361	-0.65528		16.5429	16.5703	16.5904	16.6533	16.4845	16.7583	16.6281	16.5284	23	24	23	24	19	23	23	21
PPAT	Q06203	5.10E-11	2.59E-11	-0.0426121		0.322561	-0.76042		15.08	15.0785	15.0802	15.2075	15.2151	14.9863	15.0955	15.1065	8	7	8	6	7	8	6	7
ARF6	P62330	3.76E-05	9.32E-06	-0.0425559		0.107837	-0.292		19.0119	18.9982	19.0767	19.4461	18.8423	19.1251	19.0716	18.8723	5	4	4	5	5	4	5	4
AC07	O00154	0.144E-09	5.83E-10	-0.0425036		0.074935	-0.20879		18.2505	18.3444	18.2635	18.4999	18.6121	17.7488	18.331	18.4516	16	16	16	15	17	16	16	17
COMMD2	Q868X3	1.08E-12	7.76E-13	-0.0424268		0.232292	-0.5757		16.7612	16.641	16.7254	16.5772	16.8236	16.8778	16.7686	16.7108	6	6	6	5	5	6	5	6
ASAP2	O43150	2.92E-08	1.32E-08	-0.0424024		0.078281	-0.21745		15.2692	15.2202	15.2518	14.8574	15.6646	15.3764	15.4879	15.0611	9	13	14	8	10	12	9	10
ENTPD6	Q75354	0.002547	0.000485	-0.0423453		0.043775	-0.12565		16.2419	16.2145	15.9199	16.8374	15.7286	15.8951	15.6901	16.6877	1	2	1	3	1	1	1	3
LAP3	P28838	5.01E-11	2.55E-11	-0.0422791		0.602853	-1.27473		18.1235	18.1348	18.1667	18.1518	18.1147	18.2446	18.2269	18.1816	29	29	30	27	28	29	29	29
TBL2	Q9Y4P3	8.70E-11	4.22E-11	-0.0420572		0.154466	-0.4033		16.4872	16.4789	16.4647	16.2685	16.6116	16.6416	16.6691	16.4041	23	23	23	22	22	23	23	22
DYI19L4	Q72388	0.002239	0.000434	-0.0420436		0.264514	-0.64323		15.5309	15.4104	15.5531	15.5192	15.472	15.5768	15.6858	15.4472	3	3	3	3	2	2	2	2
PPF6R3	Q5H9R7	1.55E-17	4.64E-17	-0.0419035		0.446575	-0.99619		15.5673	15.6091	15.6345	15.5867	15.7229	15.682	15.6694	15.5665	19	20	20	22	15	18	19	20
RRP12	Q5JTH9	6.85E-14	6.84E-14	-0.041851		0.666983	-1.38522		15.5592	15.5578	15.5024	15.5657	15.5561	15.6608	15.5751	15.5506	29	31	28	28	21	28	30	26
ALG6	Q9Y672	0.005535	0.000981	-0.0418182		0.066652	-0.18713		15.7689	15.7003	15.6443	15.846	15.1357	15.8618	16.1436	15.7445	3	3	3	2	1	3	3	2
VPS35	Q96QK1	5.15E-10	2.21E-10	-0.0417912		0.677809	-1.40371		18.9233	18.9626	18.926	18.9112	19.0406	18.9624	18.9655	18.9847	33	34	33	33	34	33	33	34
SYVN1	Q86TM6	7.16E-06	1.91E-06	-0.0416077		0.091784	-0.25194		16.0889	16.0748	15.9887	16.0914	15.6403	16.3676	16.2073	16.147	6	6	7	6	4	6	6	6
PARVA	Q9NVD7	4.52E-16	8.46E-16	-0.0415421		0.107112	-0.29021		17.8369	17.7807	17.8364	17.5797	17.704	18.2079	17.9223	17.8838	23	23	21	20	22	23	21	22
PDI3A	P30101	6.00E-19	2.83E-18	-0.0414553		0.35352	-0.82092		21.2748	21.3281	21.271	21.294	21.468	21.3419	21.3043	21.2556	43	43	43	42	43	43	43	43
SEPTIN5	Q99719	3.01E-05	7.54E-06	-0.0414524		0.223766	-0.5575		14.7128	14.8611	14.8337	14.813	14.7688	14.7312	15.0102	14.8967	6	6	7	2	7	4	9	6
ACAP2	Q15057	2.51E-18	9.62E-18	-0.0413862		0.145375	-0																	

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
ALG1	Q9BT22	1.66E-15	2.67E-15	-0.0381813		0.103724	-0.28183		16.46363	16.4152	16.3759	16.1245	16.4188	16.5249	16.7517	16.4168	9	10	10	9	10	9	10	9
BCS1L	Q9Y276	2.30E-09	9.05E-10	-0.0379278		0.195817	-0.49671		15.8445	15.9185	15.8158	15.9918	15.7727	15.7722	15.9153	16.0372	10	11	12	10	7	11	10	9
APAF1	Q14727.O1	3.75E-07	1.15E-07	-0.0379075		0.184686	-0.472		15.0523	15.03	14.9828	15.1457	14.8529	15.1411	15.1582	15.0001	15	18	18	18	14	18	16	15
ACSL4	O60488.O1	3.20E-12	2.05E-12	-0.03745		0.090271	-0.24811		17.036	17.0758	17.0513	17.3857	17.3008	16.7652	16.9634	17.0437	25	26	27	26	25	24	24	25
CDK2	P24941.P2	5.49E-05	1.34E-05	-0.0374236		0.055656	-0.15789		15.259	15.2917	15.2779	15.5785	15.1102	14.7181	15.474	15.6872	11	10	9	10	9	10	10	10
RPL4	P36578	4.27E-09	1.63E-09	-0.0371305		0.140268	-0.37015		19.2827	19.5667	19.276	19.4423	19.1431	19.445	19.2156	19.5444	27	28	27	27	27	27	27	27
ZFYVE1	Q9HBF4.Q1	9.68E-13	7.03E-13	-0.0367946		0.214594	-0.53774		15.1544	15.1565	15.1414	15.2198	15.3623	15.1839	15.0746	15.097	11	13	12	12	10	13	13	10
SLC3A3R2	Q15599	7.20E-16	1.28E-15	-0.0366891		0.048426	-0.13836		15.283	15.2558	15.2174	15.1028	15.4398	14.6896	15.8986	15.313	11	12	11	11	12	8	13	11
EMC6	Q9BVB1	7.89E-11	3.85E-11	-0.0366355		0.166905	-0.43188		17.3817	17.3836	17.4369	17.6002	17.5046	17.2186	17.4283	17.4354	2	2	2	2	2	2	2	2
GLUD1	P00367	1.11E-13	1.04E-13	-0.0366075		0.102384	-0.2785		18.9417	18.9074	18.9081	19.2254	18.9639	18.7911	18.6901	19.1078	24	24	24	25	23	24	23	24
PMPCA	Q10713	1.49E-06	4.26E-07	-0.0365827		0.268215	-0.65087		16.3875	16.4246	16.43	16.4246	16.5409	16.4143	16.3272	16.546	21	22	21	21	17	19	19	19
RPL23	P62829	5.21E-05	1.28E-05	-0.0364457		0.183495	-0.46934		20.6146	20.7996	20.678	20.5715	20.6735	20.8194	20.844	20.761	8	8	8	8	8	8	7	8
AGFG1	P52594.P5	4.98E-15	6.89E-15	-0.0364199		0.108183	-0.29285		16.219	16.2499	16.1728	16.5321	16.1145	16.4092	16.0712	16.1247	9	9	9	10	9	9	9	9
PSMD4	P55036	2.68E-10	1.20E-10	-0.0363819		0.271148	-0.6569		17.8047	17.7569	17.7386	17.6959	17.9429	17.8126	17.773	17.791	13	12	12	12	13	12	13	13
NRBP2	Q9NSV0	7.93E-14	7.77E-14	-0.0362725		0.126162	-0.33659		15.4148	15.3409	15.316	15.4523	15.6487	15.1651	15.3125	15.4183	10	8	9	10	9	10	8	8
KIF13A	Q9H1H9.Q1	2.20E-10	1.00E-10	-0.0359866		0.1724	-0.44437		15.424	15.4576	15.4461	15.6057	15.6305	15.3266	15.3777	15.4521	29	29	29	29	29	26	28	29
WDXDC1	Q6P996.Q1	5.20E-14	5.37E-14	-0.0358125		0.167069	-0.43225		16.9865	16.9851	16.9992	16.8527	17.0619	17.0215	17.2307	16.9637	29	27	27	26	24	26	26	25
WDR61	Q9G253	1.47E-17	4.44E-17	-0.0355939		0.200468	-0.50695		16.1128	16.1094	16.1041	15.9808	16.1445	16.1386	16.2925	16.0504	15	15	15	15	13	15	15	14
POLR2C	P19387	1.05E-05	2.74E-06	-0.0355818		0.247492	-0.6078		15.6897	15.6071	15.7424	15.6894	15.8137	15.6266	15.6497	15.7974	11	11	11	10	11	11	12	11
THOP1	P52888	3.56E-11	1.86E-11	-0.0353926		0.300568	-0.71663		16.4532	16.4868	16.441	16.4571	16.617	16.4017	16.4769	16.5258	22	24	23	23	21	21	22	22
RWD02B	P57060	1.10E-08	4.00E-09	-0.035283		0.30273	-0.72097		14.7917	14.8204	14.9022	14.8423	14.7682	14.9054	14.8948	14.9563	2	2	2	2	2	2	2	2
CNBP	P62633.P6	8.24E-07	2.42E-07	-0.0352805		0.09808	-0.26776		18.5149	18.6911	18.7162	18.8657	18.9216	18.6882	18.6165	18.6165	6	6	5	5	5	5	5	5
NIFY	Q9BVG3	5.98E-11	2.81E-11	-0.0352645		0.19163	-0.48745		16.0112	16.013	15.9747	16.0674	16.1132	16.1058	16.0649	16.1058	12	12	13	13	10	12	11	11
ACTR8	Q9H9B1	2.82E-06	7.82E-07	-0.0349288		0.051237	-0.14598		14.1119	14.0435	14.0428	13.6788	14.4821	13.7742	14.0177	14.5524	3	5	3	5	2	3	3	5
BOLA3	Q53533	0.00242	0.000464	-0.034822		0.044655	-0.12806		14.1064	14.0497	14.0446	14.6922	14.1213	13.5688	13.7206	14.3349	3	2	4	2	2	2	2	2
C12orf4	Q9NQ89	4.49E-08	1.50E-08	-0.0348029		0.308081	-0.73167		15.6113	15.5767	15.5238	15.5461	15.6876	15.6013	15.6705	15.5215	9	8	8	6	4	7	8	6
KIN	O60870	5.77E-09	2.17E-09	-0.0347916		0.109574	-0.29627		14.3033	14.2922	14.1201	14.4237	14.1063	14.0983	14.2379	14.5005	3	5	6	2	4	5	6	6
PSM1	P62191	1.30E-12	9.11E-13	-0.0347593		0.368077	-0.84895		18.1575	18.1434	18.1696	18.2562	18.1024	18.258	18.1473	18.1941	23	23	23	23	23	23	23	22
PGPEP1	Q9NXU5	3.97E-09	1.52E-09	-0.0347464		0.092928	-0.25482		18.745	18.8137	18.7344	15.9651	15.5999	15.798	16.2162	15.8728	3	4	4	3	4	4	3	3
HILCS	P50747	1.08E-07	3.47E-08	-0.0347392		0.088444	-0.24348		15.6641	15.6292	15.5993	15.4943	15.3512	15.8288	15.927	15.727	6	8	7	6	7	6	6	6
MURF514	O60783	1.82E-08	6.42E-09	-0.0345694		0.093758	-0.25692		15.6914	15.5399	15.5932	15.7052	15.9663	15.425	15.6628	15.4544	2	2	2	2	3	2	3	2
MRRP147	Q9HD33.Q1	0.000559	0.00014	-0.0345295		0.15592	-0.40667		16.3192	16.2339	16.2927	16.3408	16.4154	16.3137	16.0835	16.4289	5	5	8	7	6	6	6	5
CCT2	P78371	1.49E-13	1.34E-13	-0.0344307		0.217699	-0.54445		19.1259	19.1199	19.0605	19.2255	19.423	19.0501	19.0119	19.1529	38	38	38	39	38	38	38	38
RNF14	Q9BUB8	1.70E-20	1.41E-19	-0.0342082		0.236065	-0.58371		16.865	16.9477	16.8844	16.8676	17.0826	16.9424	16.8428	16.9309	11	11	12	12	10	11	11	11
PDCD2L	Q9BRP1	4.70E-12	2.90E-12	-0.0339262		0.033023	-0.09582		14.473	14.3755	14.4983	15.0127	13.5633	14.9802	14.3235	14.5346	2	2	2	2	2	2	2	2
NUB1	Q9SYA7.Q1	1.55E-18	6.35E-18	-0.0338692		0.126643	-0.33774		15.1349	15.1982	15.2047	14.944	15.2915	15.3654	15.1703	15.2945	11	9	9	9	7	10	8	10
PSMB7	Q99436	4.05E-06	1.11E-06	-0.0337234		0.174716	-0.4496		18.3707	18.3679	18.3477	18.361	18.2201	18.5565	18.4645	18.3772	8	7	8	7	7	7	8	7
RARS2	Q5T160	3.24E-16	6.32E-16	-0.0337152		0.226601	-0.56357		16.5796	16.5658	16.5787	16.5102	16.6276	16.7287	16.6739	16.5017	20	20	18	17	15	17	18	16
XPNPEP1	Q9NCW7.7	1.80E-13	1.59E-13	-0.0334629		0.125507	-0.33501		17.2866	17.3507	17.2991	17.3111	17.234	17.6184	17.3658	17.3199	29	30	30	27	31	19	29	30
HSPB1	P04792	8.69E-07	2.54E-07	-0.0334574		0.112989	-0.30465		22.7237	22.281	22.2609	22.0258	22.2123	22.4003	22.4681	22.4201	17	17	18	17	18	18	18	19
DAXX	Q9UER7	0.000587	0.000125	-0.0334052		0.065819	-0.18494		15.0908	15.2112	15.2464	15.0722	15.6129	14.8881	15.1253	15.3264	3	3	3	2	2	1	2	2
FAF2	Q96C33	1.32E-12	9.22E-13	-0.0333936		0.20041	-0.50682		17.7415	17.8288	17.7978	17.803	17.7095	17.9673	17.8902	17.7436	14	14	14	14	14	14	14	14
SEC24D	Q94855.O1	3.86E-11	2.00E-11	-0.0333216		0.091716	-0.25177		17.8936	17.9605	17.8978	17.8247	17.7631	18.2542	18.1152	17.7958	30	30	29	27	30	31	29	29
RIPK1	Q13546	1.44E-15	2.37E-15	-0.0330897		0.195503	-0.49602		18.2758	18.24	18.2979	18.4095	18.3777	18.279	18.1289	18.3265	18	17	20	17	12	17	16	16
CTSF	Q9UBX1	0.002746	0.000518	-0.0330873		0.049966	-0.14374		16.395	16.3742	16.4372	16.7846	NaN	15.9233	16.351	16.682	1	2	2	1	NaN	1	2	2
TRAPPCC1	Q9Y5R8	7.42E-09	2.75E-09	-0.0330711		0.145224	-0.38179		16.8077	16.8275	16.8858	16.9963	16.8355	16.6616	16.8605	17.0132	7	7	7	6	5	6	6	7
FNBP1L	Q5TON5.Q1	0.000625	0.000133	-0.0330286		0.238021	-0.58785		14.298	14.2334	14.2912	14.3868	14.3636	14.3684	14.2217	14.1958	4	6	8	9	4	7	5	5
SLC30A9	Q6PML9	1.11E-08	4.00E-09	-0.0328453		0.13495	-0.35757		15.3253	15.2345	15.2529	15.1047	15.3063	15.4567	15.4403	15.2107	12	11	11	10	8	8	10	9
ERP29	P30040	2.85E-16	5.66E-16	-0.0328247		0.06385	-0.17973		20.2873	20.1962	20.229	19.856	20.4625	20.353	20.6101	20.0701	14	15	14	14	13	14	14	14
RALB	P11234.P1	5.46E-14	5.60E-14	-0.0327178	</																			

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
GET4	Q7L5D6	6.98E-15	9.20E-15	-0.0219713		0.048496	-0.13855		16.04	16.167	16.0004	16.5133	15.8915	16.0695	15.8702	16.1109	8	7	8	8	7	8	7	8
C20orf27	Q9GZNB;Q	9.43E-07	2.75E-07	-0.0218524		0.054507	-0.15481		17.4112	17.4567	17.4008	17.6976	17.7333	17.3416	17.146	17.3652	7	7	7	7	6	7	6	7
ATRN	Q75882	3.06E-16	6.04E-16	-0.0218389		0.078108	-0.217		14.9335	14.9434	15.0237	15.0996	15.0885	14.7484	14.884	15.123	10	8	9	10	6	10	8	10
TMEM104	Q8NE00	0.000553	0.000118	-0.0217051		0.066695	-0.18725		16.977	16.9477	17.0082	17.2657	16.7951	17.0923	17.0112	16.8323	3	3	3	2	3	3	3	3
GTF2F2	P29084	2.48E-06	6.92E-07	-0.0216695		0.114737	-0.30892		14.2609	14.3134	14.3509	14.351	14.3862	14.1557	14.4579	14.2995	4	4	4	5	4	4	4	4
BGN	P21810	5.92E-05	1.44E-05	-0.0216583		0.015997	-0.04727		16.2626	16.2311	16.3316	15.8319	16.3964	17.6268	15.7234	16.1623	9	10	9	8	7	9	8	10
EPB41	P11171;P1	0.00684	0.001199	-0.0215		0.090296	-0.24817		19.8546	20.0109	19.9205	20.1685	19.981	19.8807	19.8955	19.8251	1	1	1	2	2	1	1	1
AARS2	Q5J729	2.58E-05	6.50E-06	-0.0212961		0.076735	-0.21346		15.9511	15.8985	15.9406	15.9841	16.0165	15.6685	15.9805	16.1071	16	16	15	14	14	13	15	16
DHX32	Q7L7V1;Q	1.55E-07	4.93E-08	-0.0211824		0.072335	-0.20202		12.7464	12.812	12.7921	12.5551	13.0392	12.8309	12.8402	12.7581	3	3	3	2	3	3	3	3
APOO	Q9BUR5;Q	1.79E-09	7.13E-10	-0.0210595		0.242139	-0.59655		16.8226	16.8239	16.7798	16.7859	16.8397	16.776	16.9183	16.8291	5	5	5	5	5	5	5	5
GRK2	P25098	0.000972	0.000201	-0.0209289		0.052374	-0.14906		15.2391	15.1527	15.1126	15.2222	15.5129	14.8687	15.2162	15.1251	10	10	10	8	7	8	6	7
PARO3	Q8TEW0;Q	2.37E-07	7.42E-08	-0.0205747		0.063254	-0.17816		14.5216	14.4488	14.4756	14.5748	14.6954	14.2271	14.3874	14.6283	12	9	10	11	6	5	6	10
WDR18	Q9BV38	0.000328	7.24E-05	-0.0202784		0.134108	-0.35557		16.8201	16.8681	16.8712	16.8476	16.7561	17.0153	16.8879	16.8603	11	11	12	12	8	12	11	11
ELAVL1	Q15717	1.28E-15	2.14E-15	-0.0199596		0.074057	-0.20651		18.6391	18.6555	18.5889	18.6058	18.9001	18.4975	18.5375	18.6981	11	11	11	11	11	11	11	11
CHCHD6	Q9BRQ6	2.04E-11	1.12E-11	-0.0199264		0.188377	-0.48023		14.7484	14.7922	14.8184	14.8942	14.746	14.7527	14.8531	14.7854	6	5	5	5	5	6	5	6
ITFG2	Q969R8	0.000269	6.02E-05	-0.0197693		0.038312	-0.11057		15.1504	14.4348	14.4565	14.0509	14.8317	14.6718	14.5075	14.373	6	3	5	3	2	3	2	2
PRKACB	P22694;P2	1.77E-07	5.58E-08	-0.0196499		0.07701	-0.21417		17.3861	17.3719	17.3818	17.2	17.4495	17.4486	17.5996	17.3002	4	4	4	4	5	4	5	4
CAK1C1	Q04828	4.48E-11	2.29E-11	-0.0195883		0.018651	-0.05495		18.3518	18.4341	18.3015	18.4771	18.5785	18.8999	17.3539	18.6009	14	14	15	15	15	16	13	15
GHTFM	Q9H3K2	1.33E-05	3.45E-06	-0.0193972		0.032887	-0.09544		16.3914	16.4139	16.3634	16.2727	16.1316	17.0028	16.3635	16.2749	4	4	5	5	5	5	5	5
CALCOCO2	Q13137;Q	3.59E-15	5.22E-15	-0.0194295		0.041256	-0.11871		15.3874	15.4443	15.3344	15.7977	15.0378	15.4378	15.3374	15.4299	9	8	9	10	7	8	8	8
SEL1NOF	Q50613	4.31E-07	1.31E-07	-0.0193863		0.038214	-0.1103		16.8747	16.9508	17.1775	16.8895	16.738	17.0793	17.4571	16.9379	4	4	4	4	4	4	4	4
NDUF9A	Q16795	1.18E-10	5.59E-11	-0.0192205		0.072997	-0.21232		17.4987	17.5285	17.5105	17.3843	17.6301	17.6165	17.6761	17.352	16	17	16	17	16	16	15	16
PSMA2	P25787	1.30E-19	7.68E-19	-0.0190735		0.103084	-0.28024		18.1479	18.0913	18.118	17.9542	18.1369	18.2528	18.1962	18.1508	16	16	15	15	14	15	15	15
DDX1	Q92499	6.82E-13	5.13E-13	-0.0190587		0.120644	-0.32328		18.308	18.3895	18.3887	18.3288	18.3087	18.4178	18.5288	18.3215	38	39	38	38	38	38	38	39
EMC3	Q9P012	2.82E-11	1.50E-11	-0.0189175		0.18763	-0.47857		17.0163	17.004	17.0278	16.9844	17.0575	17.0417	17.1291	16.9619	9	8	9	10	8	10	9	9
MAK16	Q9BYX0	3.58E-10	1.57E-10	-0.0186696		0.077747	-0.21607		15.6213	15.5979	15.5786	15.3798	15.6513	15.7147	15.7416	15.5941	10	11	11	11	10	11	11	10
RP521	P63220	2.03E-14	2.35E-14	-0.0186554		0.045541	-0.13048		20.5511	20.6309	20.5487	20.7182	20.2984	20.383	20.6552	20.8629	5	5	5	6	5	5	5	6
RABL3	Q5HYH8	1.45E-08	5.16E-09	-0.0185785		0.047234	-0.13511		17.2958	17.2017	17.2473	16.9815	17.3425	17.2916	17.5867	17.1319	6	5	5	5	4	5	5	5
ACP2	P11117	2.36E-05	5.98E-06	-0.0184349		0.030543	-0.08885		16.9548	17.1397	17.0873	16.8308	17.0171	17.2438	17.5778	16.7258	8	9	9	8	8	8	8	8
PSMCS	P62195;P6	1.48E-12	1.02E-12	-0.0184333		0.13361	-0.35438		18.1524	18.1219	18.1354	18.1891	18.0073	18.2192	18.2084	18.1508	28	28	28	28	28	28	28	28
UNCB1	Q02818	3.74E-11	1.94E-11	-0.0180609		0.145039	-0.38136		17.8172	17.852	17.8822	17.8163	17.8077	17.9467	17.9566	17.8154	29	29	28	29	29	29	29	28
TRNT1	Q9EQ11;Q	1.12E-14	2.44E-14	-0.0180247		0.076015	-0.21159		16.2086	16.3013	16.2416	16.2631	16.1506	16.4821	16.1409	16.3059	15	15	17	15	13	15	12	13
GORASP1	Q9BQQ3	7.77E-05	1.86E-05	-0.018008		0.078903	-0.21906		14.8517	15.01	14.9294	14.9241	14.8934	15.1568	14.9475	14.8201	4	5	5	3	4	5	4	4
ZNF428	Q9EB54	0.001787	0.000355	-0.0179262		0.059572	-0.16837		16.4422	16.4623	16.7416	16.5168	16.6517	16.3544	16.6783	16.632	4	4	4	4	4	4	4	4
GRP11	Q9HAV7	6.93E-14	6.90E-14	-0.0179012		0.048412	-0.13832		16.3748	16.3815	16.5078	16.684	16.2114	16.2439	16.4533	16.6036	11	10	11	11	11	11	10	11
MTMR9	Q96QG7	6.24E-09	2.33E-09	-0.0178773		0.133463	-0.35404		15.6092	15.6933	15.6668	15.6986	15.6374	15.6873	15.781	15.5672	14	13	16	14	10	14	14	13
ATXN10	Q9UB84	3.40E-14	3.68E-14	-0.0178518		0.043483	-0.12484		17.2947	17.2422	17.2557	17.4332	17.5206	16.9761	17.0794	17.4008	21	21	22	20	20	20	20	20
PPPI1C8	P62140	8.11E-10	3.39E-10	-0.0177854		0.141938	-0.37408		18.9391	18.9096	18.8883	18.8711	18.8483	19.035	18.9821	18.9139	6	6	6	6	6	6	6	6
NFXL1	Q6ZNB6	6.89E-05	1.66E-05	-0.0177205		0.087601	-0.24133		14.2764	14.4304	14.2962	14.2621	14.2401	14.488	14.3334	14.4366	9	8	10	5	7	10	9	5
FAM193A	P78312;P7	0.000252	5.66E-05	-0.0176888		0.024916	-0.07291		12.6336	12.6171	12.4259	12.7324	12.4064	13.1815	12.1366	12.426	1	2	3	3	1	2	2	1
NOCL3	Q8WTT2	7.17E-11	3.52E-11	-0.0175184		0.164606	-0.42663		15.3297	15.2946	15.3104	15.2606	15.3738	15.4056	15.3496	15.2557	11	13	12	13	9	13	13	10
TRAPP1C11	Q72392	0.000128	2.99E-05	-0.0174987		0.093565	-0.25643		15.3997	15.4532	15.4443	15.3199	15.585	15.4596	15.5301	15.3547	19	18	20	17	14	20	19	15
PCM71	P22061;P2	4.32E-06	1.89E-10	-0.0174362		0.059288	-0.16761		18.8824	18.8376	18.927	19.1091	18.6618	18.9959	18.8286	18.9025	14	14	15	15	15	15	15	15
ENO2	P09104	6.89E-08	2.26E-08	-0.0172109		0.043933	-0.12608		21.0908	21.1153	21.1799	21.2352	21.49	20.9957	20.9138	21.0948	14	14	15	16	15	15	15	15
PRMT1	Q99873;Q	2.82E-17	7.79E-17	-0.0171004		0.140048	-0.36963		18.3612	18.3916	18.3961	18.5351	18.3479	18.3658	18.3816	18.37	20	19	20	20	20	19	20	20
TUBA4A	P68366;P6	1.01E-08	3.66E-09	-0.0169647		0.024146	-0.07072		21.9948	22.0209	22.0226	21.5744	22.2566	21.9877	21.7468	22.5832	6	6	6	6	6	6	6	6
BIF2B1	Q14232	5.22E-11	2.64E-11	-0.0169586		0.134464	-0.35641		17.0278	17.0067	16.9841	16.9625	17.0815	17.1259	17.0034	16.9426	16	17	18	16	15	17	18	17
CCDC91	Q72680;Q	0.00357	0.000654	-0.0167634		0.030675	-0.08923		14.6315	14.3329	14.5819	14.4633	14.3549	14.8564	14.8107	14.1758	5	3	3	4	1	6	4	4
CLASP2	Q75122-3	5.51E-06	1.48E-06	-0.0167607		0.016499	-0.04872		14.6414	14.5974	14.5054	15.1282	13.6196	14.6746	14.7201	14.8483	3	3	3	3	3	3	3	3
SMAP2	Q8WU79	1.33E-12	9.30E-13	-0.																				

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
IMPACT	Q9P2X3	1.87E-08	6.58E-09	-0.0135998		0.026366	-0.07704		15.608	15.7105	15.5751	15.5386	15.2807	16.0795	15.603	15.7222	9	8	10	10	7	10	10	9
WDK26	Q9H7D7.Q	2.31E-12	1.52E-12	-0.0134771		0.086415	-0.23831		15.9298	16.0165	16.0134	16.1315	15.8906	16.002	16.0161	15.9599	13	14	14	13	11	13	12	13
UBR7	Q8N806	5.01E-07	1.51E-07	-0.0133975		0.024639	-0.07213		14.7842	14.8223	14.8204	15.0518	14.9885	14.2791	14.8751	14.9173	7	5	6	8	2	4	5	4
EPN2	Q95208.O9	5.08E-08	1.70E-08	-0.0132743		0.063056	-0.17763		15.2335	15.2975	15.353	15.4812	15.2994	15.2344	15.1279	15.3518	6	7	6	7	7	6	7	6
MBLAC2	Q68091	7.59E-07	2.24E-07	-0.0132193		0.042664	-0.12259		16.5658	15.6142	15.6767	15.4607	15.7119	15.8858	15.756	15.4981	8	8	8	8	7	8	9	7
ARFGAP1	Q8N6T3	1.71E-07	5.41E-08	-0.0131688		0.053089	-0.15099		16.3748	16.4052	16.4215	16.4351	16.2251	16.5762	16.521	16.3111	12	11	13	12	12	12	14	13
ADAM9	Q13443	1.99E-12	1.33E-12	-0.0130582		0.027128	-0.0792		15.6295	15.7449	15.7728	16.1078	15.7435	15.3443	15.689	15.7593	12	11	12	12	11	10	10	10
ME2	P23368	1.42E-10	6.67E-11	-0.0129664		0.067312	-0.18887		16.6901	16.6205	16.6498	16.7629	16.7324	16.5698	16.5207	16.7463	17	17	17	15	15	15	13	14
CDK5	Q00535	9.71E-07	2.82E-07	-0.0127068		0.040436	-0.11645		16.3281	16.172	16.1701	16.009	16.2595	16.4695	16.2937	16.1488	11	11	11	11	13	12	12	13
RAB34	P0DI83	0.006519	0.001146	-0.0126313		0.016034	-0.04737		14.8993	14.6543	14.9404	15.1776	15.0937	14.383	14.3595	15.2061	1	1	1	1	2	2	1	1
YIF1A	Q95070	4.99E-21	4.97E-20	-0.0125014		0.016654	-0.04917		17.5474	17.8119	17.8805	17.7969	17.1636	18.308	17.8261	17.7009	5	6	6	6	6	6	5	5
PIPAK2A	P48426.P4	1.87E-14	2.19E-14	-0.0124645		0.021373	-0.06278		17.4941	17.5619	17.5793	17.3439	17.3838	17.6802	18.0859	17.2942	7	7	7	7	7	7	7	6
NAP1L4	Q99733.Q8	2.24E-09	8.83E-10	-0.0120829		0.046664	-0.13355		18.4325	18.3393	18.415	18.4721	18.5862	18.2242	18.2893	18.4667	11	12	12	11	12	12	12	12
OSTF1	Q92882	3.18E-10	1.40E-10	-0.0120241		0.035761	-0.10348		17.4681	17.4309	17.3936	17.7822	17.4076	17.3055	17.3564	17.3628	11	11	11	11	9	10	8	10
RNF20	Q5VTR2	1.48E-14	1.80E-14	-0.0118299		0.047168	-0.13493		14.6514	14.5597	14.6518	14.5917	14.6029	14.4396	14.82	14.7097	17	18	16	16	12	12	15	11
P20933	P20933	7.92E-20	5.10E-19	-0.01175		0.018731	-0.05518		15.8406	15.8406	15.7388	15.799	16.2027	15.3083	15.8634	16.1078	6	6	5	4	5	3	3	4
TRIM3	P75382	9.61E-06	2.53E-06	-0.0115964		0.035051	-0.1015		15.3387	15.4364	15.3356	15.5659	15.4443	15.0707	15.4565	15.3717	13	12	12	13	11	10	12	12
ABCE1	P61221	2.56E-14	2.88E-14	-0.011356		0.05394	-0.15328		18.1311	18.1673	18.1005	18.008	18.0524	18.2564	18.2835	18.1212	23	23	22	23	23	23	23	23
RETREG3	Q86VR2	0.000163	3.76E-05	-0.0112837		0.040807	-0.11748		17.4029	17.5246	17.4782	17.6429	17.2655	17.6202	17.4405	17.4301	3	3	3	3	3	3	3	3
MAPRE2	Q15555.Q2	5.68E-06	1.53E-06	-0.0112794		0.014097	-0.04174		15.9044	15.8374	15.7988	15.9572	16.0492	15.0694	16.2153	15.9996	8	11	9	9	8	8	12	11
TOR1AIP1	Q51VY8	2.02E-09	8.01E-10	-0.0110897		0.030524	-0.08908		17.3384	17.3971	17.3596	17.3650	17.1088	17.5101	17.6387	17.2572	17	18	20	17	20	19	19	19
SRP68	Q9UHB9	2.34E-11	1.27E-11	-0.010887		0.072972	-0.20368		17.7764	17.8011	17.7639	17.6709	17.8628	17.8859	17.7988	17.7384	29	29	29	29	29	29	29	28
VPS4B	Q75351	4.66E-13	3.67E-13	-0.0107396		0.053827	-0.15298		17.7935	17.8385	17.7340	17.7924	17.887	17.8933	17.6166	17.8094	20	20	19	19	19	19	19	19
MTMR2	Q13614.Q2	4.56E-05	1.12E-05	-0.0107334		0.03036	-0.08834		16.0187	16.1013	16.0268	16.2779	15.8114	16.0217	16.3501	15.9373	7	7	7	7	6	5	6	5
RHO1	Q8IXI2.Q8	3.15E-11	1.76E-11	-0.0106752		0.043266	-0.12425		15.6314	15.6283	15.633	15.4887	15.861	15.6434	15.6752	15.5396	7	8	6	6	5	6	6	5
IIFT140	Q96RV7	0.000486	0.000105	-0.0106196		0.008387	-0.02499		14.7585	14.728	14.8155	14.2876	15.9675	14.7255	14.7377	14.1714	5	5	6	1	2	6	4	3
FABP5	Q01469	2.54E-17	7.16E-17	-0.0105139		0.015252	-0.0451		17.602	17.6544	17.5763	18.1477	17.2438	17.5936	17.2605	17.8614	10	11	11	10	10	11	11	11
ANAPC7	Q9UIX3.Q8	3.74E-06	1.02E-06	-0.0101947		0.065683	-0.18458		15.167	15.1849	15.2547	15.3271	15.2371	15.0927	15.1729	15.2323	12	12	14	11	10	14	13	11
TUSC3	Q13454-2	4.49E-16	8.42E-16	-0.010169		0.043208	-0.12409		15.6095	15.4831	15.4755	15.6339	15.5689	15.6022	15.3143	15.5449	8	7	6	5	8	7	7	4
MIA3	Q5JRA6	4.71E-18	1.70E-17	-0.0100637		0.053882	-0.15313		15.5255	15.4776	15.5246	15.4558	15.4391	15.587	15.678	15.4365	41	46	44	41	30	45	40	39
SEC23IP	Q9Y6Y8	7.88E-17	1.91E-16	-0.0100595		0.037936	-0.10953		16.6348	16.6801	16.6767	16.7768	16.5636	16.7799	16.7902	16.4591	26	28	27	27	24	27	27	25
SLC66A2	Q8N2U9.Q8	0.001847	0.000365	-0.0099699		0.030499	-0.08873		13.6475	13.8048	13.8592	13.635	13.6102	13.739	13.9921	13.9261	3	3	4	3	1	3	1	2
NGDN	Q8NEJ9.Q8	5.10E-13	3.98E-13	-0.00985425		0.014189	-0.04201		13.7759	13.8705	13.8208	13.9455	13.1473	14.1381	14.0085	13.9219	6	6	4	5	4	4	4	4
PPY19L1	Q02P21	0.000797	0.000167	-0.00985095		0.028428	-0.08288		17.8778	17.8976	17.7108	17.5395	17.9095	18.0433	17.8748	17.8258	11	12	11	8	6	10	10	12
DRS12	P62070.P6	4.23E-10	1.83E-10	-0.00965604		0.017766	-0.05239		18.652	18.6554	18.5884	18.7111	18.9895	18.4119	18.236	18.7996	12	12	12	12	12	12	12	12
VHL	P40337.P4	0.000506	0.000109	-0.00947833		0.016621	-0.04948		14.4991	14.488	14.519	14.5933	14.0342	14.7349	14.6837	NaN	2	3	3	2	2	2	2	NaN
PARO3B	Q8TEW8.Q2	6.78E-06	1.81E-06	-0.00946757		0.008777	-0.02614		14.5964	14.4595	14.2972	13.3956	14.6999	14.7788	14.6453	14.7829	2	2	2	2	2	2	2	1
SDF2L1	Q9HCN8	0.000688	0.000145	-0.00944684		0.047256	-0.13517		17.0016	17.0081	16.9588	17.0693	17.0437	16.8859	17.1279	16.8679	4	3	4	4	3	3	3	3
P17706	Q001014	0.000209	0.000209	-0.00920518		0.017848	-0.05263		15.2289	15.3456	15.1849	15.549	14.8491	15.5224	15.1745	15.2167	4	6	5	4	2	4	4	3
NPHP3	Q72494	4.50E-11	2.30E-11	-0.00914421		0.034573	-0.10016		15.1012	14.8028	15.0452	14.9459	15.1348	14.9258	15.0671	14.8874	2	2	1	3	2	3	5	1
NDUF86	Q95139	1.33E-12	9.29E-13	-0.00912107		0.033121	-0.0961		16.6616	16.7598	16.8499	16.712	16.6593	16.8674	16.9654	16.6271	5	5	6	6	4	6	5	5
DHX29	Q72478	2.50E-23	5.02E-22	-0.00901273		0.068302	-0.19147		15.5754	15.5501	15.5329	15.5467	15.6126	15.4328	15.6186	15.5984	41	42	40	42	36	40	42	39
SMARCA2	P51531.P5	2.79E-07	8.65E-08	-0.00890604		0.013139	-0.03894		15.6653	15.6432	15.8032	15.3077	16.3261	15.6334	15.6996	15.5967	11	8	12	8	3	6	6	7
PSMG1	Q95456	0.000159	3.68E-05	-0.00869306		0.021924	-0.06436		16.6841	16.6911	16.6569	16.4197	16.5479	16.8772	16.959	16.6266	7	7	7	8	7	7	7	8
MEG19	A0JLT2.A0	0.014895	0.00251	-0.00866246	NaN	0.007507	-0.02285		13.4319	13.3925	13.4552	13.6597	12.727	13.9316	NaN	NaN	2	2	2	2	1	1	NaN	NaN
NDUF56	Q75380	2.07E-06	5.80E-07	-0.00857455		0.023937	-0.07012		17.0552	17.0291	17.0013	16.8981	17.3506	17.0401	17.0775	16.8191	5	5	5	5	5	5	6	5
RNP51	Q15287.Q2	3.22E-10	1.42E-10	-0.00857086		0.045972	-0.13166		16.75	16.7372	16.6359	16.7838	16.7625	16.804	16.5646	16.6665	4	4	4	3	4	5	3	3
CRKL	P46109	4.49E-10	1.94E-10	-0.00843239		0.038828	-0.112		17.3401	17.367	17.3127	17.4779	17.1494	17.3978	17.3179	17.3988	14	14	14	14	13	13	14	13
E1F3A	Q14152	5.27E-14	5.43E-14	-0.00830053		0.0406	-0.1169		18.0211	18.0807	18.0551	18.2603	17.9833	17.969	18.0551	18.0353	68	69	67	68	66	66	66	66
ZNFX1	Q9P2E3	4.47E-09	1.70E-09																					

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
VAPA	Q9POL0	2.89E-07	8.95E-08	-0.00569229		0.025307	-0.07403		18.587	18.5599	18.5752	18.6297	18.406	18.7557	18.5775	18.5297	12	12	12	12	10	12	12	11
SEPTINE	Q14141;Q	0.000381	8.34E-05	-0.00569146		0.011935	-0.03542		18.8324	18.8395	15.0678	15.2	15.1401	14.7938	14.5891	14.8715	4	3	3	5	4	4	4	4
MRPL22	Q9NNU5	5.32E-06	1.43E-06	-0.00563812		0.055297	-0.15693		16.5668	16.5986	16.6083	16.6356	16.5647	16.5404	16.5644	16.6793	6	6	7	5	7	6	7	6
HDFGL2	Q7Z4V5	9.45E-15	1.21E-14	-0.005535		0.025573	-0.07479		17.2153	17.3381	17.3313	17.4164	17.2326	17.1719	17.2561	17.4252	14	14	12	13	13	13	13	13
COG7	P83436	1.09E-13	1.02E-13	-0.00545203		0.014133	-0.04184		15.8205	15.7663	15.8499	15.4645	16.0188	15.8162	15.9667	15.8222	22	21	21	21	20	21	21	20
CLTA	P09496-2	2.33E-10	1.06E-10	-0.0054053		0.009172	-0.02731		19.1668	19.0779	19.3541	19.7634	19.1338	18.9851	19.0774	19.0653	7	8	8	8	8	8	7	7
MBNL1	Q9NR56	8.20E-07	2.41E-07	-0.00536168		0.032283	-0.09375		18.0882	18.2027	18.1396	18.2277	18.2474	18.1065	18.0401	18.1226	8	9	8	8	8	7	8	8
BLOC155	Q8TDH9	9.68E-07	2.82E-07	-0.00526002		0.032635	-0.09474		14.7284	14.6962	14.798	14.7788	14.7813	14.8584	14.6457	14.6763	5	5	5	5	4	5	5	5
BCAS3	Q9H6U6;Q	3.09E-07	9.53E-08	-0.0051473		0.02167	-0.06364		15.0264	15.1093	15.0457	14.8793	15.1187	15.1438	15.2042	14.982	11	12	11	10	9	10	8	8
ABC810	Q9NRK6	0.00215	0.000419	-0.00473614		0.013218	-0.03917		14.8295	14.9603	14.9579	15.0068	15.1048	14.8178	14.6279	15.0458	5	8	7	5	3	6	4	5
MCUR1	Q96AQ8	0.000323	7.15E-05	-0.00454839		0.005028	-0.01504		13.9064	14.1951	14.1029	13.8742	14.1737	13.3174	14.5304	14.4677	2	3	3	3	2	2	4	3
ABL2	P42684;P4	0.005747	0.001016	-0.00446359		0.00434	-0.0131		13.9061	13.5247	13.2153	14.204	13.0436	NaN	13.3052	13.6597	1	3	3	3	2	NaN	1	3
CNO7	Q9UIV1	1.30E-06	3.72E-07	-0.00438639		0.015872	-0.0469		17.306	17.1559	17.4462	17.3127	17.1074	17.3829	17.4087	17.3239	7	5	7	6	5	5	6	5
VPSS1	Q9UI03	4.67E-08	1.56E-08	-0.00405413		0.014223	-0.04211		15.9174	15.856	15.8189	15.7159	15.7864	16.0291	16.0477	15.7617	17	17	16	17	16	17	16	17
CCS	Q14618	2.17E-08	7.57E-09	-0.00395088		0.011488	-0.03411		17.0937	17.0507	17.1025	17.0358	16.8513	17.3822	17.1259	17.0361	5	5	5	5	5	5	5	5
GDI2	P50395	6.43E-19	2.96E-18	-0.00388362		0.025087	-0.0734		19.6544	19.6668	19.6456	19.656	19.5539	19.7951	19.6721	19.6201	39	39	40	40	38	40	39	40
ASCC1	Q8N9N2-2	4.13E-07	1.26E-07	-0.00388323		0.022093	-0.06485		16.2178	16.2146	16.272	16.1386	16.3525	16.2567	16.3078	16.1378	7	8	8	8	8	8	8	8
ELMO2	Q96J13	1.46E-05	3.77E-06	-0.00378558		0.010647	-0.03164		16.448	16.4474	16.4432	16.363	16.6243	16.3074	16.7025	16.2527	22	22	20	19	19	21	21	20
STX5	Q13190	9.14E-12	5.34E-12	-0.00376511		0.013305	-0.03943		15.7989	15.9309	15.8284	15.76	15.8098	16.0298	16.0012	15.6818	12	11	11	10	9	10	11	11
ARFGF2	Q9H6O5	7.17E-08	2.35E-08	-0.00372213		0.01889	-0.05575		14.9795	14.9656	14.9234	14.8596	14.9602	15.0502	15.0875	14.8419	24	22	22	21	20	22	17	17
MTNDS	P03915	2.50E-10	1.13E-10	-0.00367978		0.008	-0.03385		15.1967	15.1887	15.23	15.1586	14.8899	15.5321	15.0627	4	4	4	4	4	4	4	5	5
EPN2AIP1	Q71775	4.47E-15	6.29E-15	-0.00344397		0.010553	-0.03137		15.9594	15.9163	15.9099	15.7139	16.1978	15.8496	15.8839	16.0146	10	13	11	11	9	10	11	12
KPNAB	Q00505	2.72E-05	6.83E-06	-0.00338954		0.0224	-0.06573		17.6923	17.6641	17.7101	17.7318	17.5861	17.6231	17.7465	9	9	9	9	9	9	9	9	
BNIP2	Q12982;Q	0.0003	6.66E-05	-0.00313505		0.009021	-0.02686		16.3632	16.3384	16.34	16.5923	16.2427	16.4072	16.4299	16.0798	3	3	3	3	3	3	3	3
OGT	Q15294	8.84E-12	5.19E-12	-0.00292282		0.015026	-0.0444		16.2368	16.2567	16.2207	16.277	16.2947	16.0825	16.185	16.3658	30	28	30	29	28	29	29	31
PRKAA1	Q13131;Q	3.75E-13	3.05E-13	-0.00260709		0.00997	-0.03966		17.4763	17.5619	17.5186	17.3371	17.4481	17.7278	17.5504	17.5441	18	18	18	18	17	18	18	17
TIME4M237	Q96C45;Q	5.94E-09	2.22E-09	-0.00244783		0.004491	-0.01344		15.4947	15.2472	15.316	15.0098	15.3946	15.4797	15.7521	15.1393	6	7	8	7	7	7	7	7
VEZT	Q9HBM0	0.009934	0.001706	-0.00232614		0.004453	-0.01333		14.5167	14.3401	14.2198	14.5954	14.7009	14.0602		14.22	2	3	2	4	2	2	3	3
HEXA	P06865	6.39E-14	6.43E-14	-0.00215696		0.00246	-0.00738		17.4264	17.5051	17.4564	17.0003	17.1984	17.9775	16.1582	17.1353	16	15	16	16	15	16	15	15
UBL3	Q95164	0.000245	5.50E-05	-0.00199986		0.003858	-0.01156		15.2733	15.2852	15.3704	15.0835	15.6146	14.9499	15.3673	15.543	5	5	5	5	3	4	5	5
ANCHY12	Q003189	0.000591	-0.00189482			0.003909	-0.01771		15.2507	15.3786	15.3398	15.7741	15.3661	15.1395	15.1419	15.2032	2	2	2	2	1	2	2	2
CHMP5	Q9NZ23	2.18E-15	3.39E-15	-0.00187314		0.008772	-0.02613		17.4461	17.4198	17.2889	17.2722	17.4846	17.2745	17.4488	17.4539	4	5	5	5	5	4	4	4
GNAQ	P50148	0.000117	2.74E-05	-0.0018144		0.005532	-0.01654		17.1227	17.0733	17.0771	17.0698	16.9506	17.242	17.314	16.8879	7	7	6	8	9	7	9	9
DGK2	Q13574;Q	0.001886	0.000372	-0.00176487		0.002284	-0.00685		14.7477	14.3108	14.3967	14.3828	14.4039	14.8154	13.9143	14.9177	3	3	4	3	4	2	2	1
MAGT1	Q9HDU3	2.90E-11	1.54E-11	-0.00173		0.005791	-0.0173		17.3661	17.2861	17.3154	17.4438	17.0444	17.3991	17.3853	17.3484	8	8	8	8	8	8	8	8
PSPC1	Q8WXF1	3.04E-05	7.61E-06	-0.00158208		0.005432	-0.01624		16.8025	16.8199	16.7301	16.9421	16.8841	16.6879	16.5553	16.8594	13	16	14	11	12	11	14	14
LPIN1	Q14693-7	4.39E-06	1.19E-06	-0.00147107		0.00148	-0.00444		14.7831	14.788	14.7865	15.4942	15.1565	14.1131	14.411	14.7617	6	8	9	8	6	8	5	5
EXOSC2	Q13868	0.000136	3.18E-05	-0.00143909		0.003151	-0.00944		16.126	16.1066	16.2035	16.4387	16.16	16.0019	15.7993	16.314	7	7	7	7	6	6	5	6
SLC27A4	Q6P1M0	3.83E-19	1.95E-18	-0.00133298		0.008229	-0.02452		16.0546	16.0584	16.0721	16.1866	16.0643	16.022	16.1004	15.9418	19	22	21	19	18	21	21	21
SOS1	Q07889	3.41E-05	8.51E-06	-0.00120583		0.004891	-0.01463		15.2016	15.0357	14.9945	15.0592	15.2744	15.0412	15.0445	14.9732	9	13	13	11	9	10	13	13
MAN2A1	Q16706	1.25E-17	3.84E-17	-0.000953039		0.002944	-0.00879		17.0462	17.0833	17.0251	17.3077	16.8084	17.0411	17.1051	16.9999	35	35	36	39	35	34	34	35
PRKAR2B	P31323	5.11E-21	5.05E-20	-0.000894038		0.003932	-0.01177		16.9724	17.0071	17.0018	16.906	17.2174	16.9418	16.9713	16.9368	7	9	10	7	9	8	7	7
TNP01	Q92973;Q	1.16E-09	4.76E-10	-0.000800578		0.00665	-0.01985		18.4774	18.4345	18.3989	18.5211	18.4073	18.3788	18.397	18.4845	26	27	26	26	25	25	27	25
HINT3	Q9NQE9	2.56E-24	7.58E-23	-0.000796064		0.00205	-0.00615		15.2801	15.4706	15.2874	15.0884	15.3221	15.4361	15.6319	15.2555	5	5	5	4	3	5	4	3
RHOQ	P17081	0.000949	0.000196	-0.000768471		0.002232	-0.0067		14.5998	14.595	14.5871	14.5046	14.8429	14.613	14.3956	2	3	3	2	4	4	2	2	2
ZC3H18	Q86VM9	0.000215	4.86E-05	-0.000512822		0.001165	-0.0035		13.7465	13.6796	13.7667	13.9954	13.9487	13.4558	13.5206	13.7369	6	6	5	5	5	5	5	4
ERF	P50548;P9	0.014524	0.00245	-0.000486294		0.000741	-0.00225		14.7852	14.2258	14.9241	14.9238	NaN	14.671	14.446	14.5414	1	2	2	1	NaN	1	2	2
MTR51	Q9P0P8	0.006841	0.0012	-0.000429789		0.000539	-0.00163		15.0219	15.959	15.2502	15.2215	NaN	15.6852	15.3508	15.3858	2	1	1	2	NaN	2	2	1
PARP4	Q9UKK3	3.01E-23	5.66E-22	-0.000377528		0.00214	-0.00642		16.7387	16.7711	16.7628	16.8284	16.8934	16.6936	16.6662	16.7082	41	41	42	42	41	42	41	41
SMARCE1	Q969G3;Q	9.09E-12	5.32E-12	-0.000233014		0.000769	-0.00231		15.7008	15.6266	15.5971													

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
CORO1C	Q9ULV4;Q5	1.93E-06	5.42E-07	0.00398687		0.015451	0.04568		19.903	19.8777	19.809	19.9713	19.9418	19.8131	19.6293	19.9404	25	23	24	23	25	23	24	25
CC201A	Q6P1N0	1.62E-22	2.42E-21	0.0048045		0.017012	0.050208		16.4069	16.2641	16.4075	16.1981	16.3953	16.4804	16.4304	16.3031	23	20	21	20	16	19	20	20
PNISR	Q8TF01	0.002105	0.000411	0.00414745		0.008814	0.026467		13.8736	14.0913	14.3753	NaN	13.9502	14.0111	14.1488	14.3269	3	3	2	NaN	2	1	2	1
ACTR2	P61160	1.02E-14	1.29E-14	0.00415497		0.020804	0.06115		19.9462	19.9671	19.951	20.0419	20.0304	20.0241	19.7999	19.8578	18	18	18	18	17	18	18	18
ZNF852;KSCAN7	Q6ZMS4;Q5	0.001126	0.000231	0.00420488		0.005938	0.017742		11.9571	11.6866	11.6835	11.7559	12.2292	11.4841	12.0673	11.3212	2	2	2	2	2	1	2	2
FAF1	Q9UNN5	5.33E-07	1.60E-07	0.00421371		0.017858	0.052658		16.3422	16.4215	16.4188	16.6013	16.4016	16.2784	16.2867	16.3819	12	12	13	12	10	12	11	12
KFBP8	Q14318	6.91E-14	6.89E-14	0.00426229		0.012277	0.036421		17.4009	17.417	17.3985	17.3722	17.6969	17.1624	17.3232	17.4513	15	14	14	14	15	15	15	15
YWHAE	P62258	7.94E-12	4.71E-12	0.00428365		0.008665	0.025811		20.063	19.9813	20.2443	20.3161	20.0518	19.6592	20.1736	20.2588	20	21	20	20	21	19	20	19
CC15	P48643	1.49E-16	3.37E-16	0.00431074		0.029645	0.086233		18.7892	18.8331	18.7768	18.9185	18.7334	18.767	18.7245	18.8336	37	37	38	36	34	35	38	38
PSMG3	Q9BT73	4.51E-07	1.37E-07	0.00448659		0.017436	0.051437		16.1184	16.2655	16.2968	16.0509	16.13	16.2461	16.3486	16.3364	4	4	4	4	4	4	4	4
KLC4	Q9NSK0;Q5	1.91E-13	1.69E-13	0.00462252		0.013589	0.040257		16.8441	16.9607	16.7769	16.5914	16.9164	16.999	17.0189	16.754	17	18	18	13	13	17	16	12
YTHDF1	Q9BY19	0.00048	0.000104	0.00486399		0.007219	0.021539		14.8526	15.0012	15.0604	15.2899	14.4454	15.3221	15.0214	14.7539	5	4	5	4	3	4	4	4
RHOQ	P84095	4.19E-11	2.15E-11	0.00491994		0.028948	0.084357		17.6386	17.7842	17.7463	17.8223	17.7529	17.713	17.705	17.5973	10	10	10	9	8	9	9	10
PCBP2	Q15366;Q1	7.50E-09	2.14E-09	0.00495745		0.063062	0.177648		20.0537	20.1109	20.1465	20.1525	20.0765	20.0822	20.0738	20.1086	14	14	14	14	14	14	14	14
PSME3	P61289;P6	1.15E-17	3.60E-17	0.00512098		0.010002	0.029747		17.5419	17.4185	17.5041	17.6903	17.4676	17.0249	17.4805	17.7519	14	14	14	14	14	14	14	14
Q9UGV2;Q1	1.93E-09	7.67E-10	0.00520223		0.010696	0.031788		17.4903	17.4586	17.4296	17.4477	17.4862	17.2399	17.1624	17.5754	8	8	8	8	6	7	7	7	
MIPEP	Q99797	2.24E-08	7.78E-09	0.00572444		0.020526	0.060352		15.9087	15.9291	15.8835	15.8982	16.1489	15.7248	15.8153	15.9196	13	12	14	11	11	12	13	10
RPL21	P46778	0.000181	4.15E-05	0.00572497		0.029419	0.085685		19.5587	19.5585	19.4251	19.5018	19.3694	19.6318	19.4511	19.4164	6	6	6	6	7	6	7	6
UBE2R2	Q172K3	1.24E-10	5.87E-11	0.00574557		0.041401	0.119112		16.379	16.4473	16.3404	16.4957	16.3846	16.3513	16.3824	16.3018	6	6	6	7	6	7	6	7
STIP1	P31948	2.09E-13	1.83E-13	0.00576401		0.020522	0.060339		18.4227	18.466	18.4062	18.6943	18.3199	18.379	18.3026	18.4336	44	44	44	41	43	43	43	43
VCP1P1	Q96H71	5.38E-16	9.77E-16	0.0058204		0.020680	0.06082		15.5663	15.58	15.561	15.3876	15.5711	15.5461	15.4909	27	26	27	26	20	27	26	21	
POLDP2	Q9Y257	3.48E-19	1.80E-18	0.00592321		0.030977	0.090076		16.2248	16.29	16.2853	16.2153	16.2129	16.1422	16.3164	16.4172	13	13	13	13	11	12	12	10
SCHIP1	Q9H840	1.04E-17	3.32E-17	0.00602786		0.005373	0.016064		15.0298	15.0417	15.157	15.6569	14.8597	14.1414	15.0544	15.6384	10	10	10	10	10	10	10	10
STAT1	P42224	4.73E-20	3.28E-19	0.00621732		0.015639	0.046225		18.8334	18.8251	18.8229	18.6007	18.9487	19.1165	18.594	18.9447	42	41	42	41	40	41	40	42
TMD9	Q9BVK6	3.14E-14	3.43E-14	0.00623525		0.032767	0.093703		19.5219	19.6721	19.5877	19.6736	19.8461	19.6624	19.6393	19.494	11	11	11	10	12	11	12	11
TAB1	Q15750;Q1	1.19E-16	2.76E-16	0.0063254		0.024992	0.07313		16.2921	16.2317	16.2101	16.061	16.4267	16.2768	16.1563	16.3207	13	13	11	10	11	13	13	10
SLRP	Q9GZT3;Q5	1.940E-11	2.03E-11	0.00637894		0.013689	0.040547		17.4183	17.4863	17.4894	17.7546	17.5879	17.0455	17.4608	17.4428	7	6	6	6	6	6	6	6
PRKCI	P41743	5.96E-09	2.23E-09	0.00650584		0.025373	0.074216		16.3662	16.2914	16.216	16.1847	16.5222	16.1984	16.2604	16.2576	9	8	8	8	6	7	8	8
CCDC88A	Q3V6T2;Q1	1.05E-13	9.96E-14	0.00671508		0.016279	0.048082		15.1333	15.2226	15.1703	15.3664	15.3017	14.8235	15.0356	15.3162	24	25	25	26	22	18	12	24
ATPSIF1	Q9UII2	0.000211	0.000412	0.00673205		0.024938	0.072978		17.2087	17.0757	17.0859	16.993	17.2433	17.0155	17.2742	17.1176	3	4	3	2	3	3	4	4
SNRPB27	Q8WVK2	0.002279	0.000441	0.00678239		0.017346	0.051175		15.4392	15.7857	15.7034	15.4874	15.5038	15.9109	15.5455	15.7324	4	2	4	2	3	2	4	2
RFP30	P78346;P7	2.30E-10	1.04E-10	0.00680275		0.060688	0.171346		15.3128	15.4391	15.4056	15.372	15.3223	15.3648	15.3661	15.46	12	13	12	10	11	11	11	12
PP1R12A	Q14974	3.05E-18	1.15E-17	0.00685552		0.055681	0.157962		17.2707	17.3004	17.2959	17.1654	17.3203	17.2797	17.2845	17.3508	51	53	51	52	50	52	50	53
CHERP	Q8IWX8	4.99E-09	1.88E-09	0.00693741		0.046382	0.132782		15.3854	15.4831	15.4917	15.4446	15.395	15.3533	15.5487	15.4909	15	15	17	13	12	13	11	15
CSR1	P21291	5.40E-11	2.72E-11	0.00694784		0.063139	0.177854		19.2978	19.2403	19.3374	19.2445	19.2508	19.3782	19.2945	19.2564	11	11	11	10	11	11	11	11
CCDC124	Q96C77	1.87E-14	2.19E-14	0.00703176		0.038935	0.112297		17.1855	17.2014	17.1846	17.0485	17.2042	17.2742	17.2869	17.1038	14	14	14	13	11	13	13	14
FBX011	Q86XK2;Q1	0.001551	0.000311	0.00706522		0.006467	0.019471		13.4262	12.7351	13.7106	NaN	13.7098	13.2796	13.4663	1	2	NaN	1	2	1	2	1	1
TRIM38	O00635	1.05E-10	5.02E-11	0.00708243		0.020755	0.061007		14.5497	14.5927	14.5556	14.4346	14.7879	14.7088	14.5496	14.3137	5	5	6	6	3	6	3	4
SRM	P19623	3.68E-14	3.95E-14	0.00716235		0.0197	0.057974		18.7101	18.7635	18.6917	18.6602	18.4809	19.0466	18.7014	18.6839	17	17	17	17	17	17	17	16
IMMT	Q16891-2	1.57E-08	5.57E-09	0.00740026		0.06515	0.183173		17.4171	17.4441	17.4189	17.4215	17.3558	17.4751	17.4953	17.3487	38	38	39	39	38	39	40	40
EM13	Q32P44	1.82E-08	6.41E-09	0.00749893		0.0276	0.08054		15.6305	15.7227	15.6423	15.6988	15.6457	15.8601	15.4349	15.6487	16	12	14	14	9	14	13	13
FAMR3G	A6ND36	0.001274	0.003527	0.0075078		0.005851	0.017628	NaN	16.4995	15.7581	16.5287	15.2446	16.2884	16.1923	16.3523	NaN	2	2	2	5	2	2	2	2
RAB34	Q9BZG1	3.40E-12	2.16E-12	0.00758069		0.033306	0.096616		17.3525	17.4414	17.4688	17.601	17.4743	17.2935	17.336	17.3378	13	13	13	12	12	12	12	12
ITC1	Q96614	4.84E-14	5.03E-14	0.0076093		0.02193	0.064383		16.5883	16.5542	16.649	16.6726	16.2987	16.6048	16.8312	16.5407	12	13	14	14	13	14	12	12
WDR11	Q9B2H6	2.68E-16	5.42E-16	0.00774568		0.066326	0.186272		15.4797	15.5696	15.5164	15.5551	15.4788	15.5337	15.5782	15.425	27	27	26	25	19	25	24	23
TBCK	Q8TEA7	0.000314	6.95E-05	0.00795256		0.028027	0.081751		15.0446	15.0243	14.9236	14.7643	15.1907	15.0069	15.0502	14.9357	14	13	15	10	7	10	12	10
GEMIN5	Q8TEQ6	4.23E-14	4.48E-14	0.0079909		0.051054	0.145486		15.7183	15.8009	15.7611	15.7871	15.6934	15.6427	15.7683	15.8689	32	32	33	30	25	30	30	29
RBMA8	Q9BQ04	3.48E-07	1.07E-07	0.00824153		0.02146	0.063033		15.1424	15.1179	15.1249	15.1496	15.4316	14.8169	15.074	15.1287	2	2	2	2	2	2	2	2
COP55	Q92905	8.97E-06	2.37E-06	0.00826073		0.052955	0.150625		17.1345	17.2061	17.1346	17.0613	17.0977	17.2675										

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
XRCC1	P18887	3.14E-08	1.07E-08	0.0121155		0.046788	0.13389		15.4392	15.3731	15.3697	15.2521	15.3631	15.2298	15.5742	15.4902	9	11	9	10	9	7	9	8
RBM3	P98179	1.63E-11	9.08E-12	0.0121413		0.02632	0.076909		17.2892	17.4446	17.4446	17.4137	17.0582	17.6027	17.0891	17.4763	3	3	3	4	3	3	3	4
PPP2R3A	Q06190	8.08E-09	2.98E-09	0.0121211		0.016762	0.049485		14.5328	14.4737	14.4723	14.6231	14.9632	13.8577	14.3357	14.6239	9	8	10	9	8	3	10	5
GPI	P06744	2.87E-14	3.19E-14	0.0122344		0.031867	0.092579		18.8844	18.8323	18.7893	18.4315	18.9313	18.9028	18.9072	18.9226	25	25	25	23	24	25	25	25
TMEM63B	Q5T3F8;Q5	0.000457	9.89E-05	0.0123986		0.01844	0.05343		14.8519	14.9836	14.899	15.469	14.5607	14.5706	15.0588	14.8363	2	3	4	5	2	4	4	3
TLMD	P09622	5.96E-11	2.99E-11	0.0125079		0.11258	0.303649		18.2423	18.2343	18.1948	18.2407	18.2502	18.1701	18.116	18.2794	17	16	16	16	17	15	16	17
BCL7B	Q9BQ95;Q9	0.003724	0.00068	0.0127691		0.035093	0.101615		17.0718	17.1993	16.8578	17.0208	16.8753	16.9084	17.3116	17.0349	1	1	1	1	1	1	1	1
TPP2	P29144	2.46E-12	1.62E-12	0.0127997		0.102883	0.279737		17.0749	17.0945	17.0701	17.0306	17.0794	17.0086	17.1947	17.0219	55	54	58	55	49	54	54	52
CAVIN3	Q969G5	1.17E-06	3.37E-07	0.012853		0.021737	0.063828		19.7517	19.6914	19.7362	19.5777	20.0418	19.2056	19.9719	19.7711	9	9	9	9	9	9	10	10
SRP54	P61011	6.20E-12	3.76E-12	0.0128719		0.057314	0.162339		17.6648	17.622	17.6327	17.6686	17.444	17.7985	17.6601	17.5635	21	21	21	21	20	21	21	21
TUBB4B	P68371	4.00E-15	5.73E-15	0.0129447		0.063197	0.178007		23.7833	23.832	23.7895	23.8946	23.8767	23.7401	23.6016	23.8305	24	24	24	24	24	24	24	24
EIF5A	P63241	1.69E-10	7.83E-11	0.0129604		0.054468	0.154702		19.7518	19.7557	19.8183	19.8707	19.5573	19.9079	19.7367	19.739	16	17	16	15	16	17	16	17
UBXN4	Q92575	5.58E-15	5.75E-15	0.0130155		0.056533	0.160249		17.1558	17.0679	17.0444	16.8708	17.149	17.1494	17.1885	17.0208	9	9	9	10	9	9	10	9
MTMR10	Q9NXD2	3.85E-24	1.02E-22	0.0131146		0.022019	0.064636		14.9173	14.8517	14.9076	15.0701	15.2761	14.3789	14.7563	14.914	5	9	7	7	5	6	8	5
ARID1B	Q8NFD5;Q8	5.75E-07	1.72E-07	0.013122		0.065263	0.183469		14.7597	14.8506	14.8192	14.9937	14.7417	14.6983	14.7952	14.7547	10	9	12	8	4	6	3	5
NCKAP1	Q9YZA7;Q9	2.34E-20	1.86E-19	0.0132086		0.07807	0.216907		17.2082	17.2208	17.2109	17.3073	17.0402	17.2655	17.2037	17.1837	42	43	44	45	41	45	41	42
RANBP9	Q96559	6.91E-17	1.71E-16	0.0132771		0.064955	0.182658		15.7479	15.6933	15.7272	15.5598	15.8874	15.6041	15.7603	15.6979	11	12	10	8	10	10	9	9
DIES	P17661	4.28E-11	2.20E-11	0.0133497		0.00979	0.029124		16.4089	16.4975	16.5685	16.7326	17.2022	15.6303	15.6938	17.1324	15	16	18	5	4	9	7	21
RUFY2	Q8WXA3;Q8	8.04E-05	1.92E-05	0.0133686		0.046596	0.133372		15.0719	15.0265	15.0215	15.0365	15.0261	15.1275	15.1895	14.7533	9	11	9	12	9	12	13	9
PKS5	P50542;P5	7.67E-10	3.22E-10	0.013384		0.029092	0.084762		15.3113	15.3261	15.4134	15.4187	15.6037	15.5378	15.1125	15.0117	10	10	11	10	4	8	9	6
INPP5A	Q14642	1.37E-18	5.77E-18	0.0134812		0.040068	0.115433		15.1022	15.1578	15.0622	15.3366	14.8285	15.1653	14.9883	15.151	6	7	6	2	6	6	6	7
INPP5A	Q9UM55;4-6	1.54E-16	3.44E-16	0.0136224		0.122727	0.372715		16.4474	16.4675	16.4468	16.4427	16.419	16.458	16.5504	16.3546	52	47	49	48	45	45	48	47
ROD14	Q9HHB5	1.45E-11	8.16E-12	0.0136378		0.088489	0.243589		16.3709	16.3157	16.3394	16.2426	16.4828	16.3096	16.3245	16.2823	13	12	13	12	11	9	12	11
GMPMB	Q9Y5P6;Q9	1.97E-07	6.19E-08	0.0136831		0.092052	0.252612		18.2346	18.2465	18.1898	18.2556	18.0718	18.2982	18.1784	18.2457	11	11	11	10	10	10	10	10
BZW2	Q9Y6E2	3.87E-08	1.31E-08	0.0138381		0.048811	0.139402		17.8779	17.8096	17.7742	17.9416	17.7577	17.6111	17.6207	17.9525	19	19	19	19	18	18	19	20
PTHMD1	Q9GZP4;Q9	3.92E-07	1.20E-07	0.0140677		0.123717	0.330701		16.5486	16.5391	16.5386	16.5789	16.5733	16.4565	16.4442	16.5872	11	12	10	11	11	11	11	11
ASC2	Q9H118	3.91E-08	1.32E-08	0.0141811		0.073967	0.206274		16.2897	16.3003	16.3459	16.3748	16.1285	16.2547	16.4193	16.3117	15	15	15	14	9	13	12	13
FAM120C	Q9NKO5	4.10E-18	1.50E-17	0.0141971		0.042058	0.120923		15.2791	15.2859	15.2173	15.1371	15.4493	15.2365	15.4235	14.9864	8	9	7	6	7	8	8	8
MTX2	Q75431;Q7	3.40E-08	1.16E-08	0.0142564		0.10164	0.276646		15.782	15.7415	15.8897	15.8424	15.7815	15.7949	15.85	15.6819	8	9	9	8	8	8	9	9
SUCLA2	Q9P2R7;Q9	1.16E-05	3.02E-06	0.014444		0.441337	0.986547		17.3184	17.298	17.3044	17.2967	17.3039	17.2877	17.3185	17.2558	14	15	16	17	14	15	15	14
TRAPP1C12	Q8WV73	1.71E-17	5.05E-17	0.0146287		0.057881	0.163858		16.1499	16.2148	16.1834	16.0423	16.1078	16.331	16.3234	16.0359	11	10	10	11	10	11	11	11
DCN1	Q14203;Q1	1.38E-14	1.68E-14	0.0149731		0.138786	0.366647		17.4804	17.4553	17.4562	17.5262	17.4748	17.3857	17.3703	17.488	63	63	63	65	59	62	63	62
KCNK2	Q95069;Q9	1.55E-06	4.42E-07	0.0149813		0.01904	0.056071		14.2798	14.2874	14.4416	14.8037	14.2309	14.6976	13.704	14.1702	4	4	4	4	3	4	2	3
LARP7	Q4G013;Q4	9.35E-07	2.73E-07	0.0150263		0.078414	0.217794		15.4009	15.4424	15.5224	15.3749	15.5739	15.4367	15.5118	15.3037	8	7	9	8	5	7	6	6
OGA	Q60502;Q6	2.02E-11	1.11E-11	0.0150701		0.046389	0.132801		16.3791	16.3243	16.2773	16.1729	16.4154	16.5262	16.3766	16.0679	21	21	21	21	17	21	19	19
CMTM3	Q96M00;Q9	0.009076	0.001566	0.0151159		0.027223	0.079474		18.4109	18.5686	18.4441	18.001	18.8178	18.3099	18.5609	18.6076	2	2	2	1	2	1	1	2
PSMA1	P25786;P2	6.03E-09	2.26E-09	0.0151319		0.083009	0.229611		18.9073	18.918	18.8452	18.7554	18.8248	19.0243	18.942	18.8286	17	17	17	16	17	17	17	17
EIF2B3	Q9NR50	1.53E-09	6.17E-10	0.0152275		0.06817	0.191123		16.7622	16.8082	16.8008	16.7789	16.5657	16.9039	16.8718	16.7553	18	19	16	18	17	17	16	16
REEP3	Q6NNU4;Q6	5.96E-11	2.99E-11	0.015448		0.05369	0.152608		15.5163	15.8004	15.5781	15.7652	15.6491	15.6794	15.5749	15.4122	5	5	5	4	4	5	5	3
CP51	P31327;P3	4.63E-08	1.55E-08	0.0156658		0.093625	0.256581		16.3067	16.4071	16.153	16.251	16.2264	16.3231	16.2393	16.3266	2	2	3	2	5	4	3	4
AGO1	Q9UL18	1.71E-14	2.03E-14	0.0159234		0.0478	0.136651		15.8693	15.761	15.7891	15.5842	15.8517	15.9658	15.9612	15.5899	20	20	15	11	16	17	15	14
HDH38	Q43837	8.75E-12	5.14E-12	0.0159568		0.121949	0.326435		16.2028	16.2843	16.2341	16.3348	16.1974	16.206	16.1281	16.2557	17	15	16	14	14	15	15	14
SRSF9	Q13242	1.01E-13	9.68E-14	0.0159822		0.074345	0.207255		17.5388	17.4943	17.4426	17.5383	17.5255	17.2565	17.492	17.5402	13	13	12	12	13	13	13	13
MARS1	P56192	3.11E-14	3.40E-14	0.0160695		0.08665	0.238913	18.01	18.0681	18.0047	17.9147	18.0153	18.1514	18.0839	17.8923	31	30	30	30	29	32	32	31	
USP47	Q96K76	7.69E-17	1.87E-16	0.0160968		0.16701	0.432119		16.3486	16.3488	16.3617	16.2948	16.3713	16.2518	16.3613	16.4056	38	37	37	34	31	31	40	31
UOQRB	P14927	6.13E-06	1.64E-06	0.0162663		0.012795	0.037937		16.9113	16.5502	17.1599	17.1029	16.7061	15.733	17.4015	17.3441	8	8	8	7	8	6	8	8
TBC1D22A	Q8WUA7;Q7	0.001502	0.000302	0.0164453		0.043509	0.124915		15.0185	15.0264	15.1275	14.719	15.0285	15.3168	15.0157	15.1252	6	7	7	5	5	6	6	5
IFT2	Q9BW83	5.57E-08	1.85E-08	0.0165854		0.026914	0.078597		16.1933	16.0534	16.0819	16.0513	15.5271	16.4395	16.3068	16.14	5	6	5	6	6	6	6	6
RBM51	P29558;P2	8.65E-19	3.83E-18	0.0166126		0.072801	0.203238		17.5817	17.5369	17.3909	17.6322	17.4357	17.4094	17.5904	17.3652	5							

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control 1	Log2 MS2_quantity_ Control 2	Log2 MS2_quantity_ Control 3	Log2 MS2_quantity_ Control 4	Log2 MS2_quantity_ Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
MT-CO1	P00395	1.13E-08	4.08E-09	0.019912		0.052423	0.14919		16.9549	17.0026	17.1721	17.0562	16.6895	17.2672	17.071	17.0326	3	3	3	3	3	3	3	3
ABC87	P05027.O	4.94E-06	1.33E-06	0.0199343		0.062059	0.174988		15.0789	15.1813	15.1444	14.9588	15.1874	14.9011	15.161	15.3662	7	9	7	9	7	6	7	6
BOD1L1	Q8NFC6	1.35E-06	3.88E-07	0.0200742		0.038809	0.111949		14.1963	14.2709	14.1457	13.8766	14.656	14.2579	14.1032	14.0275	13	10	14	10	14	8	10	10
UBA1	P22314.P2	2.32E-13	2.00E-13	0.020208		0.060923	0.171971		20.0301	20.0552	19.9753	20.2443	20.0818	19.8448	20.0678	50	50	50	47	47	49	48	48	49
HDDC2	Q7Z4H3	2.21E-12	1.47E-12	0.0203503		0.056033	0.158908		15.7507	15.399	15.9138	15.6471	15.6753	15.5077	15.8049	15.7024	6	4	5	3	3	4	4	4
GMPS	P49915	2.69E-13	2.27E-13	0.020402		0.10993	0.297147		16.5897	16.6651	16.6022	16.7316	16.5339	16.4373	16.6638	16.6443	30	31	30	30	28	27	29	29
TOMM70	O94826	4.39E-12	2.72E-12	0.0206184		0.220395	0.550256		16.7084	16.7187	16.7058	16.6908	16.6139	16.7829	16.6582	16.706	23	23	22	23	22	23	22	22
GY51	P13807	1.35E-13	1.24E-13	0.0211334		0.081879	0.226714		16.5654	16.5568	16.5612	16.7876	16.5414	16.3984	16.4135	16.5591	21	21	20	23	20	22	22	22
SPIN1	Q9Y657	4.20E-09	1.60E-09	0.0212257		0.059633	0.168536		15.4651	15.2861	15.3382	15.356	15.3167	15.1359	15.668	15.233	7	7	9	6	6	6	6	5
PANK4	Q9NVE7	3.50E-08	1.19E-08	0.0213556		0.18184	0.465634		15.3262	15.4588	15.4335	15.4083	15.3613	15.4173	15.443	15.2942	24	24	24	24	19	23	21	20
NDST1	P52848	5.32E-11	2.69E-11	0.0215473		0.046703	0.133659		15.3125	15.412	15.433	15.1427	15.4092	15.799	15.3086	15.1621	18	18	19	12	15	19	18	17
HSD17B4	P51659	1.27E-13	1.17E-13	0.0216049		0.197821	0.50113		18.4908	18.528	18.4616	18.3969	18.5727	18.4924	18.4752	18.4222	34	36	34	31	33	30	33	34
UGGT1	Q9NYU2.O	1.18E-12	8.41E-13	0.0216543		0.095786	0.262014		17.9345	17.9543	17.9373	17.7904	18.0372	18.0956	17.8724	17.8062	57	60	61	57	57	59	57	57
ABC1	Q8NE71	2.56E-24	7.58E-23	0.0218419		0.197752	0.500977		17.0225	17.0864	17.0324	17.0487	17.0589	17.0748	17.0399	16.9041	29	30	31	31	30	31	34	29
ACTR3	P61158	2.01E-15	3.14E-15	0.0219093		0.27148	0.675871		20.6364	20.6426	20.5813	20.5796	20.6766	20.6168	20.547	20.5709	27	27	26	26	26	26	27	26
MRPL46	Q9H2W6	3.07E-11	1.62E-11	0.0219322		0.101309	0.275824		15.9847	16.1249	16.11	15.9283	16.1516	15.9668	16.0016	16.2078	6	7	7	7	6	7	4	6
ARL6IP5	O75915	0.002958	0.000552	0.0219421		0.053914	0.15321		20.0496	19.9073	20.0763	20.334	20.0202	19.867	19.7345	19.9699	5	5	4	5	5	4	5	5
GPALFP1	Q8IXQ4	9.78E-05	2.32E-05	0.0221078		0.203241	0.530209		15.1643	15.0805	15.0514	15.0711	15.1652	15.0468	15.0662	15.0937	5	6	7	6	6	5	5	7
SMC4	Q9NTJ3	1.20E-12	8.49E-13	0.0221093		0.043605	0.125178		15.4081	15.4441	15.4482	15.7595	15.3762	14.956	15.4116	15.5336	40	39	38	40	31	29	37	39
CNOT11	Q9UKZ1	2.46E-08	8.53E-09	0.0221312		0.202399	0.523688		16.0654	16.0262	15.9998	15.9297	16.0579	15.9865	15.9689	16.0986	5	5	5	5	5	5	4	5
SETD81	Q15047.O	0.004286	0.000774	0.0223545		0.011878	0.032555		13.38	13.0988	12.5528	12.9404	10.8585	12.8256	13.2407	13.4002	1	3	2	1	2	3	2	1
KPNM6	Q60684	3.16E-16	6.18E-16	0.0224728		0.12206	0.326704		17.6438	17.642	17.5233	17.6213	17.6328	17.5049	17.4427	17.7012	8	7	7	8	7	8	7	8
PREPL	Q4J6CQ.O	4.39E-12	2.72E-12	0.0224989		0.098224	0.268124		15.0301	15.1169	15.168	15.0957	14.9485	14.9744	15.2789	15.1152	16	14	14	16	9	14	14	15
CAP1	Q01518	2.35E-13	2.02E-13	0.0226069		0.218113	0.545341		19.8816	19.8849	19.8702	19.9243	19.916	19.8621	19.7574	19.8215	35	34	34	35	35	35	33	35
MED23	Q9ULK4.O	1.54E-15	2.51E-15	0.0227695		0.115229	0.310122		14.9097	14.815	14.8725	14.8652	14.9192	14.6363	14.9216	14.8726	17	15	17	14	12	14	17	17
TBP1	P26599.P2	3.24E-07	9.97E-08	0.0228218		0.080814	0.237398		20.1038	20.1126	20.0251	19.9189	20.3346	19.9569	19.9873	20.0908	15	15	15	15	15	15	15	15
IDB1	Q13907	2.04E-07	6.42E-08	0.0228956		0.028877	0.084098		16.8106	16.6585	16.8548	17.2588	16.8891	16.1903	16.375	17.0452	12	12	13	12	11	12	11	12
PSMC6	P62333	1.22E-21	1.39E-20	0.0230787		0.139152	0.367512		18.8885	18.876	18.8046	18.7991	18.9985	18.7986	18.8397	18.8397	22	22	22	23	21	21	22	22
CNN2	O99439	1.14E-16	2.66E-16	0.0233301		0.032998	0.095753		19.8114	19.7494	19.7246	19.8228	19.8638	20.2797	19.1811	19.5451	14	14	14	14	14	14	14	14
GPXOW	Q92917	0.000444	3.33E-05	0.0235984		0.090407	0.248453		15.3035	15.3354	15.3983	15.4307	15.1587	15.1732	15.3361	15.5118	10	11	11	11	8	11	10	12
MAPKAPK2	P49137	4.52E-09	1.72E-09	0.0236262		0.111314	0.300545		15.5562	15.55	15.578	15.6191	15.7189	15.4424	15.3967	15.5119	14	14	14	14	11	12	11	14
SAP30BP	Q9UHR5.O	1.15E-09	4.71E-10	0.0237436		0.052125	0.148384		15.1147	15.142	15.1397	15.5695	15.0146	14.9469	14.9083	15.1026	7	5	7	5	2	5	4	4
TMX4	Q8H1E5	5.91E-08	1.96E-08	0.0237685		0.074651	0.20805		17.3307	17.2293	17.2422	16.9269	17.3087	17.2879	17.3838	17.2389	4	4	4	4	4	4	4	3
DNAC13	O75165	2.05E-13	1.79E-13	0.0238977		0.15472	0.403892		16.5903	16.5805	16.5676	16.5927	16.5158	16.5925	16.6692	16.4077	84	83	85	82	77	85	86	82
RPL13	P26373	4.48E-15	6.30E-15	0.0239306		0.038811	0.111954		20.7938	20.7373	20.5637	20.6012	21.2131	20.5237	20.2747	20.759	6	8	8	8	8	8	8	8
IRF3	Q14653	0.003111	0.000577	0.0239808		0.090566	0.248855		18.6658	15.6458	15.7469	15.7293	15.9233	15.5714	15.6182	15.8021	5	6	5	4	4	4	4	4
DNACU7	Q99615	1.57E-14	1.88E-14	0.024042		0.238169	0.588168		16.2643	16.2601	16.2256	16.3242	16.1712	16.1722	16.1971	16.265	26	26	26	26	23	25	25	25
GLS	O94925-3	8.60E-20	5.40E-19	0.0240609		0.089493	0.246138		18.4634	18.4343	18.424	18.3647	18.1807	18.605	18.5291	18.4031	3	3	3	3	3	3	3	3
RNF167	Q9H6V7	0.000626	0.000133	0.0242559		0.021465	0.063048		14.2695	14.2703	14.1341	14.36	13.1991	14.3469	14.9299	14.4327	2	2	2	3	1	2	2	3
STOML2	Q9UIJ2	7.49E-17	1.84E-16	0.0243574		0.112951	0.304558		17.7286	17.5802	17.8516	17.5845	17.6987	17.6274	17.8184	17.75	16	16	16	16	13	16	15	14
CZIB	Q9NWW4	0.000174	4.00E-05	0.0243989		0.087566	0.241243		17.978	18.0232	17.9658	17.7926	17.9209	18.222	18.0292	17.8582	5	5	6	5	5	6	5	5
TPM1	P09493-4	4.48E-13	3.56E-13	0.0245941		0.033454	0.097031		20.9011	20.9182	20.8684	20.3295	20.6406	20.4699	20.9838	20.9327	44	44	45	44	40	45	44	43
EIF3K	Q9UBO5.O	2.96E-09	1.15E-09	0.0248089		0.073795	0.205825		17.9238	17.7459	17.949	17.7775	17.9148	17.6058	17.8287	18.1135	8	8	8	8	7	8	8	8
CDC37	Q16543	3.55E-15	5.16E-15	0.0249582		0.062014	0.17487		17.5218	17.4493	17.3997	17.6752	17.24	17.6054	17.1321	17.5071	18	18	18	19	20	18	18	19
DUSP12	Q9UNIG	7.89E-09	2.91E-09	0.0250839		0.074131	0.206699		14.7418	14.7127	14.7599	15.0245	14.457	14.7196	14.6861	14.6783	10	9	9	11	9	9	9	11
AHS6	P02765	2.27E-18	8.95E-18	0.0253782		0.054551	0.154925		13.7771	13.7913	13.85	14.1203	13.4054	13.625	13.8796	13.8736	3	3	3	2	2	2	2	3
SLC6A6	P31641	3.47E-05	8.65E-06	0.025379		0.027662	0.081385		14.7546	14.7137	14.8765	14.1128	14.5551	NaN	15.1149	15.2421	3	3	3	1	1	NaN	3	1
SCRIB	Q14160.O	6.98E-15	9.20E-15	0.025503		0.145406	0.382213		16.3575	16.3595	16.3112	16.1814	16.4802	16.2618	16.3391	16.3235	34	37	38	34	32	36	37	34
FARS8	Q9NSD9	1.11E-12	7.93E-13	0.0257525		0.277759	0.670444		18.1062	18.1171	18.0923	18.0023	18.0299	18.1351	18.1486	18.0814	27	27	28	27	25	25	26	26
UTP23	Q9BR																							

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
TEX264	Q9Y6I9	3.47E-10	1.52E-10	0.0290792		0.0909097	0.270306		16.3007	16.3347	16.3507	16.5654	16.0988	16.3805	16.207	16.2465	7	7	6	7	6	8	8	7
Q13247.Q1	Q13247.Q1	4.28E-12	2.67E-12	0.0291786		0.143365	0.37743		17.7865	17.7144	17.6857	17.6545	17.7861	17.5222	17.6924	17.8435	12	12	12	11	10	11	10	10
OSBP	P22059	2.00E-12	1.34E-12	0.0292236		0.175706	0.451841		16.6568	16.6689	16.6457	16.513	16.6428	16.794	16.6372	16.5526	18	19	18	19	18	19	19	19
HACD2	Q6Y1H2	4.93E-11	2.51E-11	0.0292626		0.039038	0.112582		15.7191	15.4948	15.7276	15.0609	15.6683	15.6373	16.2554	15.5277	3	3	3	3	3	3	3	3
ICMT	O60725	1.14E-07	3.67E-08	0.0293755		0.103186	0.280489		17.2768	17.2002	17.3289	17.4387	16.9782	17.2692	17.2018	17.3083	3	3	3	3	3	3	3	3
ALDH18A1	P54886.P5	6.58E-11	3.26E-11	0.0294277		0.08231	0.22782		18.1487	18.2282	18.1911	18.0464	18.2049	18.3735	18.3257	17.8492	33	33	35	34	32	34	35	34
BTFL4	Q96K17	6.73E-05	1.63E-05	0.0298459		0.055064	0.156306		16.432	16.5	16.4731	16.0032	16.3321	16.6512	16.835	16.3711	7	7	7	7	5	6	7	6
GOLPH3	Q9H4A6	1.78E-06	5.03E-07	0.0300965		0.05263	0.149748		16.2188	16.1265	16.0655	16.4874	15.574	16.1846	16.1935	16.0947	7	7	7	6	7	6	7	7
LRPAP1	P30533	3.09E-14	3.39E-14	0.0302385		0.104303	0.28326		17.5324	17.5194	17.5089	17.3801	17.7852	17.3486	17.5303	17.4056	22	22	21	21	23	21	21	21
ZC3H4	Q9UP18	0.003578	0.000655	0.0303465		0.184503	0.471592		14.0274	14.1856	14.0411	14.0393	14.1949	14.0077	14.0694	13.9605	7	6	10	8	5	6	8	6
FRMD4A	Q9P2Q2	1.14E-15	1.92E-15	0.0304923		0.051991	0.148023		14.6014	14.5959	14.4979	15.0854	14.4973	14.5612	14.1664	14.3626	6	5	5	7	4	5	3	4
UPF3B	Q9B2I7.Q9	2.99E-05	7.49E-06	0.0307323		0.147877	0.38799		14.88	14.8325	14.8682	14.8679	15.0098	14.8401	14.6479	14.7818	7	7	6	6	7	6	6	5
TUBGCP2	Q9BSJ2.Q9	6.51E-20	4.29E-19	0.0308021		0.211879	0.531856		15.7917	15.7839	15.7548	15.8431	15.7984	15.5897	15.7623	15.7364	27	27	27	28	26	24	27	24
HARS1	P12081.P1	3.17E-09	1.23E-09	0.0308542		0.141345	0.372681		18.5822	18.5934	18.6223	18.7349	18.3971	18.4972	18.5315	18.6814	24	25	24	25	22	24	25	25
CD55	P08174.P0	1.19E-07	3.82E-08	0.0308898		0.091183	0.250417		16.3901	16.2499	16.2586	16.1368	16.1614	16.6202	16.2173	16.2076	6	7	7	7	5	7	6	5
MM1L	O00429-4	6.53E-24	1.61E-22	0.0308921		0.482458	1.06161		17.3553	17.4599	17.4825	17.4441	17.3793	17.424	17.5124	17.4485	38	38	37	37	37	39	38	38
MYO1C	O00159-3	1.61E-10	7.50E-11	0.030998		0.194549	0.493912		19.2834	19.3347	19.2814	19.221	19.2385	19.4349	19.2874	19.1623	53	55	55	55	54	54	55	55
GLI1	P16278.P1	1.59E-11	8.88E-12	0.0311497		0.037218	0.107534		14.8766	14.8687	14.8668	17.7327	18.4196	18.5489	19.0957	18.4009	17	16	17	17	17	17	17	17
WDR75	Q8IWA0	1.08E-13	1.02E-13	0.0314529		0.159474	0.41486		14.9629	14.9312	14.8937	15.0474	14.7047	14.8824	14.9098	14.9448	22	23	22	21	19	20	18	21
POL1	P28340	2.61E-07	8.12E-08	0.031485		0.066103	0.185694		14.9451	14.9169	14.9792	15.0332	15.0517	14.5421	14.7086	15.2424	15	15	15	17	11	9	10	13
AKAP9L	Q9ULX6	5.71E-07	1.71E-07	0.0315224		0.052994	0.150731		15.3179	15.326	15.4852	15.6172	15.7622	15.3252	14.9888	15.0307	7	7	6	7	1	5	7	7
WDRF2	Q96P53	3.62E-06	9.94E-07	0.0318201		0.023969	0.070796		14.3012	14.2381	14.5978	15.1465	13.3821	NaN	14.2382	14.6221	4	3	4	6	4	NaN	2	4
PSMD6	K15008	6.82E-16	1.27E-15	0.0319327		0.537445	1.16003		18.0189	18.0415	18.0478	18.0627	17.9621	17.994	18.0379	17.9639	27	26	26	25	26	26	25	25
RPL10	P27635	3.40E-09	1.31E-09	0.0319623		0.182064	0.466136		20.355	20.3266	20.311	20.3223	20.1725	20.4756	20.2352	20.289	11	11	11	11	11	11	11	11
NCM2	P49736	4.71E-12	2.90E-12	0.0321578		0.039926	0.11504		16.7367	16.7173	16.706	17.1809	16.6748	15.9511	16.5447	17.0476	25	23	26	26	22	21	24	26
RLSD1	Q76021	1.68E-09	6.72E-10	0.0323736		0.258747	0.631288		17.2758	17.3368	17.3452	17.414	17.1986	17.2686	17.2432	17.3099	22	22	21	21	22	22	23	23
MRN19	Q9BYD2	9.32E-05	2.22E-05	0.0324261		0.265512	0.645293		16.4938	16.5965	16.5376	16.5079	16.5175	16.3903	16.5357	16.5996	10	9	11	8	9	8	8	9
LUX1	Q8IWB5	2.56E-07	7.97E-08	0.0326772		0.096671	0.264236		15.5587	15.5378	15.4196	15.5499	15.1432	15.6418	15.4299	15.5985	4	6	3	5	3	7	4	6
TBK1	Q9UHD2	3.48E-16	6.72E-16	0.0327552		0.223358	0.556621		15.8683	15.8096	15.8561	15.8206	15.9451	15.842	15.6839	15.7679	27	26	26	26	23	25	22	25
MESD	Q14696	1.92E-14	2.23E-14	0.0327648		0.17399	0.447964		17.6743	17.7159	17.7006	17.7659	17.5178	17.7902	17.6882	17.559	13	13	13	11	13	13	13	11
CEP41	Q9BYW8	4.01E-14	4.26E-14	0.0331843		0.164783	0.427033		14.9449	15.0976	15.0599	15.008	14.9554	14.8676	14.9854	15.1884	8	10	8	8	7	7	7	8
RPRD1A	Q96P16.Q9	2.54E-07	7.91E-08	0.033285		0.23923	0.590412		15.2231	15.3126	15.2748	15.2249	15.1447	15.1581	15.3358	15.321	6	6	4	5	4	6	5	5
PAFAH1B1	P43034	2.56E-24	7.58E-23	0.0334176		0.25762	0.628947		18.0971	18.0812	18.072	18.0273	17.9244	18.1103	18.1558	18.0324	26	25	26	23	24	24	26	24
TBC1D20	Q96BZ9.Q9	9.97E-07	2.90E-07	0.033638		0.285482	0.686177		15.5737	15.5773	15.6472	15.4732	15.4941	15.625	15.639	15.5977	8	9	8	9	6	7	8	9
C11orf98	E9PRG8	1.21E-23	4.39E-22	0.0336436		0.173095	0.445939		15.7857	15.7755	15.6861	15.8234	15.5335	15.8031	15.7611	15.6562	2	2	4	3	3	4	4	3
NHLRC2	Q8NBF2	3.87E-06	1.06E-06	0.0338242		0.145789	0.38311		16.5113	16.5935	16.4863	16.4807	16.4097	16.5917	16.6799	16.3207	15	16	16	15	9	13	13	10
FAR1	Q8WVX9	1.88E-12	1.27E-12	0.0339101		0.059136	0.167211		15.4546	15.4643	15.4519	15.2824	15.9853	15.1436	15.2132	15.4908	14	13	13	12	13	13	10	13
NAAL6	Q6N069	9.99E-12	5.81E-12	0.0341239		0.095694	0.261785		16.548	16.5667	16.5442	16.8285	16.3193	16.552	16.2992	16.5953	7	9	8	9	7	8	10	10
SCFD2	Q8WU76	1.04E-10	4.96E-11	0.0342328		0.354762	0.823323		16.2348	16.1697	16.1251	16.1458	16.2122	16.0621	16.1774	16.114	12	12	13	12	14	13	13	13
ANAPC4	Q9UIX5.Q9	0.000813	0.00017	0.0343682		0.138838	0.366771		15.2795	15.2772	15.1672	15.2028	15.2226	15.4273	15.1771	15.0049	7	7	6	6	6	6	5	7
KNTC1	P50748	2.81E-05	7.05E-06	0.0345695		0.070778	0.197957		14.8214	14.8844	14.8641	15.0553	14.9428	14.37	14.6938	15.0484	10	13	13	12	11	5	7	11
SPATAS1L	Q9BYQ7	7.53E-13	5.61E-13	0.0346033		0.154533	0.40346		15.7884	15.7242	15.7438	15.8485	15.611	15.7354	15.8559	15.5369	8	8	11	9	9	11	10	9
TIPL1	Q75663	9.08E-16	1.58E-15	0.0346985		0.199819	0.505523		17.1736	17.1167	17.1065	17.0105	16.9799	17.2106	17.2209	17.0661	13	13	12	12	13	13	13	13
NOL10	Q9BSCA.Q9	1.02E-11	5.89E-12	0.0347996		0.17468	0.449523		14.6645	14.8526	14.7165	14.8181	14.5238	14.7231	14.7438	14.7398	14	12	13	11	12	11	10	13
PSMA4	P25789	1.69E-08	5.99E-09	0.0348043		0.16152	0.419562		19.2495	19.2085	19.1208	18.9773	19.279	19.2931	19.106	19.1351	14	14	14	14	12	14	13	14
NOL9	Q55Y16	2.91E-10	1.29E-10	0.0348338		0.290972	0.697301		15.971	15.9317	15.9759	15.7997	16.0181	15.9238	15.909	15.9728	10	11	11	10	10	9	10	10
BSG	P35613.P3	7.44E-09	2.75E-09	0.0348494		0.165314	0.428246		19.3667	19.3368	19.3668	19.1706	19.4647	19.2711	19.491	19.2594	9	9	9	9	9	9	9	9
NVL	Q15381	0.000158	3.66E-05	0.0349675		0.158478	0.412567		14.3235	14.3938	14.3254	14.2776	14.4507	14.1366	14.2402	14.4579	3	4	4	3	4	3	3	3
COO9	Q75208	4.98E-11	2.53E-11	0.0349906		0.05323	0.151366		14.6265	14.3338	15.0874	14.3404	14.8105	14.9804	14.3758	14.7308	5	5	5	5	4	4	4	4

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
SLC25A15	Q9Y619	0.002893	0.000542	0.0381997		0.065367	0.185314		15.065	15.236	15.1723	15.2383	NaN	15.447	15.15	14.6431	3	2	2	2	NaN	3	2	1
SEC63	Q9UGP8	6.64E-19	3.04E-18	0.0383626		0.224871	0.559864		17.0369	17.0443	17.0188	16.9378	16.9177	17.1537	17.077	16.8887	29	29	29	29	25	28	27	28
RPUSD2	Q8I273	2.36E-05	5.96E-06	0.0384743		0.084759	0.23409		14.2327	14.0865	13.8397	13.8355	14.2014	14.2011	13.6889	14.1455	3	3	3	4	2	3	2	
PFKFB2	Q60825.O	0.001531	0.000308	0.0384841		0.040105	0.115535		14.775	14.7034	14.838	13.887	14.8109	15.154	15.2815	14.535	4	4	5	1	1	5	4	3
HDAC7	Q8WU14.Q	3.45E-18	1.28E-17	0.0385136		0.147293	0.386628		15.6312	15.6349	15.5385	15.5875	15.6189	15.766	15.3198	15.5229	12	16	17	15	14	15	12	13
OGFD03	Q6PK18	4.40E-05	1.09E-05	0.0385712		0.127402	0.339561		15.9522	16.1353	15.9743	16.1046	15.975	16.0236	16.1226	15.6843	5	7	6	6	5	6	5	4
CD82	P27701	1.41E-05	3.65E-06	0.0387989		0.020085	0.059081		16.5095	16.5341	16.6498	14.8089	16.9342	17.0636	17.6659	16.1558	3	3	3	1	2	2	5	2
PSMA3	P25788.P2	1.31E-19	7.68E-19	0.0388362		0.162912	0.422753		19.0642	19.2422	19.2043	18.9847	19.1303	19.2678	19.2734	19.0008	9	8	8	8	9	8	5	8
DDX27	Q96GQ7	3.21E-13	2.66E-13	0.0390865		0.339229	0.793148		15.9922	16.0559	16.0207	16.0689	16.0217	15.8804	15.9206	16.0276	23	21	22	24	17	21	20	21
RO60	P10155	1.94E-10	8.91E-11	0.0393678		0.205247	0.517416		17.3987	17.4051	17.3615	17.2364	17.3751	17.5128	17.4127	17.2084	20	19	20	20	17	20	20	19
TTI1	O43156	3.87E-06	1.06E-06	0.0395059		0.125543	0.335097		15.2079	15.4198	15.1685	15.3149	15.2919	14.9863	15.1158	15.4208	6	4	4	4	3	3	3	3
ARF1	P84077	1.78E-07	5.63E-08	0.0396189		0.176888	0.454505		21.0937	21.1918	21.1313	21.3127	20.9268	21.0571	21.1417	21.0583	12	11	9	12	12	10	12	12
DDX6	P26196	1.49E-14	1.80E-14	0.0396198		0.269462	0.653433		18.1159	18.1851	18.1169	18.1896	18.2047	18.0071	17.997	18.1	22	22	22	22	21	21	22	21
TEX10	Q9NXP1.Q5	1.12E-11	6.44E-12	0.039633		0.317902	0.751199		15.9433	15.9043	15.891	15.7449	15.8694	15.8763	15.9879	15.8875	20	17	19	19	15	18	19	18
AGK	Q53H12	7.56E-15	9.86E-15	0.0398788		0.158054	0.411591		16.137	16.2102	16.199	16.1772	15.8587	16.219	16.2396	16.2166	12	12	12	11	9	12	10	11
CXO20	Q5RI15.Q5	5.93E-10	2.52E-10	0.0399204		0.155545	0.405801		17.1394	17.3405	17.2814	17.1671	17.5499	17.181	17.1726	17.2986	4	4	4	4	4	4	4	4
CD109	Q6WHK3	8.47E-15	1.09E-14	0.039957		0.064822	0.182304		15.7253	15.7377	15.6984	15.8552	16.0507	15.1016	15.8324	15.5625	31	29	30	30	26	27	28	26
IK	Q13123	8.76E-08	2.84E-08	0.0399717		0.171475	0.44227		16.2726	16.2905	16.2714	15.6291	16.4414	16.0587	16.1212	16.2788	15	15	17	14	12	14	15	15
RPS17	P08708	6.60E-05	1.60E-05	0.0401766		0.486545	1.069		19.5314	19.4751	19.4603	19.5027	19.5118	19.4359	19.3794	19.4138	10	8	8	10	9	8	9	9
AKCTD18	Q6PA47	0.004964	0.000888	0.0402531		0.048366	0.139352		15.1007	14.8153	15.4898	14.6932	15.644	14.9322	15.1103	NaN	2	3	2	1	1	1	NaN	
TFAM	Q00059	1.24E-07	3.97E-08	0.0405059		0.225352	0.560893		16.0442	16.1355	16.0122	16.0338	16.0518	16.1678	15.8553	16.0043	11	10	11	11	8	11	9	11
EBF1	Q9UH73	0.00183	0.000362	0.0407527		0.075786	0.210997		14.9835	14.8952	14.855	14.526	15.0333	15.1841	14.5262	15.0863	1	4	3	2	3	2	1	3
HSP1A12A	O43301	3.66E-11	3.16E-11	0.0408394		0.052402	0.149133		16.3401	15.3913	15.4258	15.3763	15.9967	15.4346	15.1902	15.137	19	18	19	12	13	18	13	15
RUVBL1	Q9Y265	1.46E-20	1.24E-19	0.0408891		0.474193	1.04663		18.4732	18.4401	18.4288	18.3215	18.4942	18.3923	18.3515	18.3896	24	23	25	22	20	24	23	24
RABBA	P61006	3.74E-07	1.14E-07	0.0409013		0.155066	0.404692		18.3438	18.3054	18.2632	18.2764	18.5474	18.1359	18.1841	18.1725	8	8	8	8	8	8	8	7
MYBBP1A	Q9BGC0.Q	3.01E-14	3.31E-14	0.0410254		0.317286	0.749976		16.6383	16.6523	16.632	16.637	16.5884	16.5646	16.4809	16.7284	36	35	34	31	34	37	33	37
FRMD5	Q96NF5.2	7.80E-12	4.63E-12	0.0411352		0.113879	0.306827		16.174	16.1251	16.1356	16.4579	15.8752	15.9526	16.1127	16.1204	19	20	20	20	16	18	19	19
NM5F1	O15321.O1	3.48E-16	6.72E-16	0.041423		0.151498	0.396422		16.9304	16.9165	16.9725	16.8209	16.8264	16.8795	17.201	16.7641	7	9	9	9	7	9	9	9
TMCO3	Q6UW11.Q	0.000425	9.24E-05	0.0416368		0.13457	0.356666		14.9275	15.3024	15.3236	15.2444	15.0079	15.2786	15.0613	15.1223	4	5	3	4	3	3	4	4
AOX1	Q06278	3.60E-11	1.88E-11	0.0418084		0.030524	0.088801		14.8193	14.9247	14.9212	13.5849	14.707	15.6253	14.9643	15.3513	6	5	5	2	2	6	3	3
PNKP	Q96T60	3.22E-12	2.06E-12	0.0420003		0.125542	0.335094		15.5388	15.7078	15.5913	15.7164	15.5852	15.2315	15.592	15.7281	10	11	11	12	11	7	12	8
MRRP132	Q9BYC8	0.000106	2.51E-05	0.0421602		0.354887	0.823565		14.5083	14.5642	14.5331	14.5405	14.5851	14.3829	14.4303	14.5263	3	4	4	3	4	4	4	4
RBM4	Q9BWFF3	1.35E-06	3.88E-07	0.0422115		0.193883	0.492441		16.9441	16.9262	16.9731	16.9987	16.9844	16.6797	16.8483	17.0168	14	14	13	13	13	14	14	14
OGFR	Q9NZT2.Q5	7.26E-14	7.19E-14	0.0422192		0.253	0.619324		15.7921	15.8507	15.8073	15.7471	15.9618	15.6583	15.7606	15.7446	13	14	13	13	12	12	10	11
NIU7	Q9Y221	7.70E-08	2.51E-08	0.0424334		0.136832	0.362028		15.663	15.629	15.6418	15.8299	15.3113	15.6456	15.5243	15.6997	5	6	6	6	5	6	6	6
HNRNP3H	P31942.P3	0.000205	4.66E-05	0.0427797		0.242635	0.597594		19.403	19.226	19.2636	19.1395	19.2584	19.1687	19.3577	19.3495	7	8	7	6	7	7	7	7
POP4	Q95707	2.13E-08	7.43E-09	0.0431591		0.282646	0.680411		14.8272	14.7889	14.8508	14.6351	14.8847	14.875	14.7678	14.7332	5	5	5	5	5	5	5	5
GTFC5	Q9Y5Q8.Q5	7.52E-15	9.82E-15	0.0432453		0.305115	0.725742		15.2278	15.1804	15.2126	15.2165	15.2675	15.0079	15.1414	15.1849	12	12	12	10	9	10	10	9
ERI1	Q8IV48	0.000122	2.86E-05	0.0432809		0.111188	0.300236		15.1447	15.0086	15.0864	14.7313	15.0261	14.9093	15.1665	15.3498	6	6	4	4	4	4	3	3
GALT	P07902	4.69E-10	2.02E-10	0.043405		0.165477	0.428621		15.5134	15.4989	15.4726	15.2769	15.5473	15.6521	15.5075	15.274	6	4	4	4	5	4	3	3
MGST3	O14880	2.52E-06	7.03E-07	0.0436228		0.097758	0.266959		20.4017	20.397	20.3227	20.113	20.8004	20.1844	20.2519	20.301	5	5	5	5	5	5	5	5
RABP1	O15276	8.61E-17	2.06E-16	0.0437006		0.343347	0.801176		15.3349	15.4052	15.3264	15.2454	15.3031	15.4554	15.3113	15.2437	21	22	22	22	20	20	23	20
DNTTIP1	Q9H147	1.09E-08	3.96E-09	0.0439676		0.08639	0.238251		14.7285	14.4782	14.6178	14.3873	15.0579	14.56	14.2901	14.5257	4	5	5	3	2	3	5	3
RBF0X2	Q43251-6	1.09E-09	4.50E-10	0.0440945		0.117524	0.315712		17.2808	17.3118	17.1756	17.1999	17.5755	16.9404	17.1695	17.1747	7	9	8	8	5	6	7	8
GOT1	P17174	1.72E-05	4.41E-06	0.0442596		0.092611	0.254024		18.3279	18.3592	18.2889	19.7271	18.3034	18.5844	18.5411	18.0494	18	19	19	19	18	19	18	20
EIF2B5	Q13144	1.14E-15	1.91E-15	0.0444866		0.279902	0.674482		16.8086	16.8895	16.9136	16.7252	16.7929	16.9583	16.9108	16.743	16	14	14	14	12	13	13	14
SUPT6H	Q7K285	9.10E-19	3.98E-18	0.0445238		0.263663	0.641473		14.8016	14.7937	14.8392	14.8888	14.7336	14.5947	14.7646	14.854	32	33	31	30	22	30	30	31
TALDO1	P37837	9.83E-16	1.69E-15	0.0445362		0.097858	0.267209		19.4351	19.5391	19.4585	19.8942	19.1583	19.437	19.3498	19.3258	19	18	18	18	18	19	19	19
FN3K	Q9H479	6.94E-10	2.92E-10	0.0445552		0.063317	0.178325		15.2345	14.9518	14.9579	14.6589	14.9565	14.6854	15.6552	15.0616	5	3	3	2	5	4	3	3
DHCR7	Q9UBM7	0.000397	8.66E-05	0.0																				

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
HSD1L2	Q6YN16	1.59E-17	4.73E-17	0.0483582		0.107401	0.29092		16.6942	16.7303	16.6609	16.9125	16.3575	16.4547	16.5377	16.9714	23	23	24	23	17	23	21	22
HMG1N1	P05114	0.000773	0.000162	0.001544		0.064534	0.181544		15.4233	15.2545	15.5511	15.0004	15.8557	14.8399	15.4283	15.6821	7	7	6	5	5	5	5	3
LNPEP	Q9UIQ6.Q	2.46E-18	9.51E-18	0.0483912		0.180931	0.463595		16.6066	16.6341	16.6476	16.881	16.5042	16.5743	16.4384	16.5074	28	29	29	29	28	29	28	29
NIBAN1	Q9BZQ8	5.52E-16	1.00E-15	0.0485152		0.064904	0.182523		16.9088	16.9666	16.9416	16.4597	16.946	17.5082	17.1125	16.4759	28	28	28	27	26	28	28	28
METTL2B	Q6P1Q9.Q	0.000821	0.000171	0.0485238		0.106743	0.291894		14.1394	14.2286	13.9246	13.7845	NaN	14.0721	14.3799	13.9596	2	1	1	1	NaN	1	2	1
CDC6	Q16204	1.29E-12	9.09E-13	0.0485411		0.25487	0.623224		17.0369	17.0906	17.046	17.1111	17.0506	17.1358	16.8416	16.9074	19	18	18	19	16	19	18	19
TRIM47	Q96LD4	7.77E-07	2.29E-07	0.0485867		0.071136	0.198894		14.7909	14.7615	14.6748	14.3115	15.2108	15.0028	14.3034	14.6405	4	4	5	5	2	2	2	2
NCOR1	O75376.O	2.12E-10	9.70E-11	0.0488176		0.1137	0.306389		15.0818	15.3978	15.4577	14.9609	15.482	15.4224	15.091	15.3618	6	6	6	2	2	2	2	1
RPS15A	P62244	6.87E-05	1.66E-05	0.0489624		0.459993	1.02078		21.4945	21.5576	21.4382	21.4651	21.4048	21.5606	21.398	21.4106	8	8	8	8	8	8	8	8
WASHC2C	Q9Y4E1	6.25E-08	2.06E-08	0.0489751		0.316889	0.74919		15.0135	14.9203	14.9012	14.8283	14.835	14.9754	15.0326	14.8088	5	5	6	3	3	5	4	3
RB1CC1	Q8TDV2.Q	5.56E-08	1.85E-08	0.048988		0.179092	0.459466		14.0801	14.2253	14.3816	14.1472	14.4032	14.1889	14.0041	14.1566	8	9	10	7	4	6	4	4
EPHX1	P07099	2.08E-09	8.23E-10	0.0490383		0.096664	0.264216		17.7658	17.8184	17.8024	17.4489	17.5665	17.8885	18.2214	17.6073	24	24	24	23	24	23	25	24
METTL3	Q86U44	5.51E-17	1.40E-16	0.0491625		0.153421	0.400884		14.7334	14.7771	14.8716	14.7772	15.0634	14.5367	14.7136	14.6336	12	13	11	11	8	10	11	10
DPH5	Q9H2P9.Q	1.32E-12	9.25E-13	0.0492858		0.161574	0.419686		16.1112	16.1654	16.099	16.3289	15.938	16.0002	15.8786	16.2339	6	5	6	6	6	5	7	6
CTIF	Q43310	9.31E-16	1.61E-15	0.0495083		0.129371	0.344276		16.1771	16.3189	16.3327	16.0831	16.1214	16.6397	16.1122	16.1772	18	16	16	18	11	17	17	15
PURB	Q96Q88	4.42E-05	1.07E-05	0.0495431		0.138484	0.365936		16.9953	16.9266	16.942	16.6458	16.8229	17.15	17.1336	16.773	7	7	7	6	5	6	8	7
SFXN1	Q9H9B4	4.80E-06	1.30E-06	0.0495514		0.433418	0.971926		17.5182	17.5127	17.4299	17.4887	17.3848	17.3601	17.547	17.4064	10	10	10	10	11	10	11	10
BLVRB	P30043	2.42E-10	1.09E-10	0.0495539		0.122904	0.328742		18.0947	18.1981	18.2101	18.2056	17.7663	18.2624	18.3879	17.968	10	10	10	10	10	10	10	10
ERL1	Q8IU02	3.25E-13	2.69E-13	0.0495583		0.187373	0.477993		16.0529	15.9914	16.0546	16.2307	15.7936	15.9277	16.0786	15.886	36	38	36	35	26	36	30	35
FKBP9	Q95302	3.66E-12	2.31E-12	0.0496684		0.074345	0.207255		19.8808	19.9104	19.8402	19.4667	19.9868	20.3736	19.9105	19.3995	21	21	22	19	20	19	20	19
SRSF2	Q01130.Q	8.80E-12	5.17E-12	0.0497252		0.270832	0.656251		19.9832	20.1731	20.1235	20.0983	20.1987	19.9342	19.9702	20.0146	5	5	5	5	5	5	5	5
MOB2	Q70IA6.Q	0.000329	7.26E-05	0.0498097		0.362151	0.837573		15.9502	15.8863	15.8507	15.8389	15.7981	16.0007	15.8374	15.7545	7	8	7	6	5	8	8	8
SRRM2	Q9IU35	4.84E-15	6.75E-15	0.0500679		0.727273	1.48005		16.6321	16.6389	16.6413	16.5596	16.643	16.5066	16.591	16.6366	31	32	31	30	27	28	31	33
ROCK2	Q75116	1.28E-12	9.04E-13	0.0501297		0.481544	1.05996		16.8211	16.7819	16.801	16.8333	16.7106	16.6367	16.7983	16.7772	58	57	57	54	50	54	52	52
TRMT10C	Q710Y3	1.11E-13	1.04E-13	0.0501966		0.22047	0.550417		15.7247	15.798	15.7821	15.931	15.5198	15.6855	15.7755	15.6785	14	14	14	13	12	13	12	12
PTPA	Q15257	3.47E-09	1.34E-09	0.0502291		0.148316	0.389016		17.9569	17.8889	17.9542	17.5234	18.0715	17.8923	18.0209	17.9075	11	12	12	10	10	10	10	11
CREBBP	Q92793	9.03E-05	2.15E-05	0.0503279		0.146447	0.38465		15.4793	14.4848	14.3666	14.3441	14.7745	14.3634	14.2316	14.4192	10	11	13	6	4	6	6	9
MAO11L	Q9Y6D9	1.68E-08	5.94E-09	0.0504522		0.229852	0.570509		15.2144	15.1265	15.2419	15.2948	15.1597	14.936	15.0818	15.2469	11	10	11	10	5	8	8	6
KPNAS	Q15131	4.49E-06	1.22E-06	0.050584		0.324181	0.763613		18.197	18.0682	18.0226	18.1698	17.9383	18.0613	18.08	17.9773	3	4	3	3	3	3	4	3
IPO11	Q9UIU6.Q	8.84E-13	6.49E-13	0.0506295		0.344834	0.80407		15.43	15.4113	15.448	15.2673	15.3859	15.285	15.442	15.5153	12	12	14	14	13	13	13	15
ZNF326	Q5BKZ1	5.51E-07	1.65E-07	0.0506608		0.433153	0.971436		16.0816	15.9763	16.0157	15.9206	16.0865	15.9691	15.8837	16.0094	14	15	16	12	12	12	11	13
TXNDC17	Q9BBA2	7.94E-15	1.03E-14	0.0507657		0.184015	0.470502		19.8538	19.6419	19.7924	19.4568	19.6572	19.7755	19.8839	19.7863	6	6	6	6	5	6	6	6
FH	P07954.P0	9.00E-11	4.35E-11	0.0508223		0.234349	0.580073		18.1072	18.1528	18.1216	18.3102	18.0714	18.0071	18.0774	17.9159	20	21	21	20	20	20	20	20
GTF2H3	Q13889.Q	1.29E-11	7.36E-12	0.0509526		0.207	0.521242		15.2612	15.541	15.5703	15.3829	15.5624	15.2531	15.4348	15.3996	3	3	2	2	3	3	3	3
RARS1	P54136	1.03E-13	9.80E-14	0.0510049		0.25213	0.617509		18.4222	18.3845	18.3575	18.2913	18.7324	18.5509	18.3368	18.3329	45	45	46	44	48	46	46	46
SEC14L2	Q76054	5.65E-05	1.38E-05	0.0516461		0.084781	0.234144		15.6137	15.5534	15.5808	15.1306	15.797	15.9349	15.6359	15.1564	8	6	6	7	6	8	7	5
CFR12	Q9Y281.Q	3.14E-11	1.66E-11	0.0519814		0.264513	0.64323		19.7446	19.7773	19.7088	19.8369	19.8253	19.6316	19.6297	19.5344	7	7	7	6	6	6	7	7
NUDT21	Q43809	8.21E-11	3.99E-11	0.0521502		0.211526	0.531089		17.4158	17.3074	17.4174	17.2826	17.4879	17.0988	17.3026	17.4684	15	15	15	14	14	15	15	15
TOP1	Q9NLUW8	6.24E-07	1.85E-07	0.0521718		0.074469	0.207577		15.0588	15.2419	15.0878	15.1107	15.5899	14.4913	14.8933	15.3013	2	1	1	1	1	2	1	1
KTN1	Q86UP2	2.41E-23	4.93E-22	0.0524137		0.266412	0.64715		16.603	16.5982	16.604	16.4613	16.4908	16.5483	16.784	16.4625	82	85	84	78	69	79	84	75
SYNCRIP	Q60506	4.78E-17	1.24E-16	0.0524303		0.844918	1.68527		19.6686	19.7143	19.6823	19.6851	19.6077	19.6525	19.6702	19.5643	29	28	29	28	29	30	28	29
GGP51	Q95749	0.000354	7.79E-05	0.0524913		0.161602	0.419749		15.584	15.499	15.5414	15.1594	15.6629	15.614	15.5974	15.4112	7	7	7	7	5	5	6	6
TMTC3	Q6ZKX5.Q	1.64E-16	3.66E-16	0.0529043		0.302455	0.720416		17.0122	17.0885	16.9921	17.1545	16.9805	16.9957	16.8312	16.9284	21	20	20	20	18	20	18	21
PNN	Q9H307	1.43E-10	6.70E-11	0.0529429		0.259512	0.632876		15.4129	15.5466	15.5322	15.5494	15.2541	15.4582	15.5749	15.385	11	12	13	11	10	10	13	11
GFER	P55789.P5	4.58E-07	1.39E-07	0.0530493		0.05601	0.158847		14.0396	13.8049	14.1721	14.4137	14.1335	13.0559	13.8516	14.3076	2	1	1	1	1	2	2	1
LANCL2	Q9NS86	1.02E-05	2.68E-06	0.0531795		0.424439	0.95528		15.8599	15.8376	15.8792	15.8107	15.8499	15.8954	15.6516	15.8207	10	11	10	11	8	11	9	8
COG4	Q9H9E3	1.96E-15	3.09E-15	0.0535678		0.506321	1.10458		16.0979	16.0914	16.1662	15.9918	16.0595	16.1922	16.0523	16.0288	23	20	20	21	18	19	18	18
RFC4	P35249	6.54E-14	6.57E-14	0.0535741		0.142998	0.376568		15.8159	15.7635	15.7034	15.8439	15.7166	15.3484	15.6542	15.9737	11	11	11	10	9	9	10	11
TRAPPCC8	Q9Y2L5	2.08E-10	9.51E-11	0.0536101		0.350191	0.814474		14.7679	14.8608	14.8303	14.6595	14.8775	14.8043	14.8397	14.6494	24	27	26	18	15	20	21	1

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control 1	Log2 MS2_quantity_ Control 2	Log2 MS2_quantity_ Control 3	Log2 MS2_quantity_ Control 4	Log2 MS2_quantity_ Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
ASPSRC1	Q9B2E9;Q9	1.05E-06	3.03E-07	0.0566574		0.372654	0.857716		16.6776	16.6389	16.665	16.452	16.6845	16.6916	16.6695	16.5218	14	15	14	13	12	11	14	13
SMARCC2	Q8TAQ2	3.47E-12	2.21E-12	0.0571512		0.211478	0.530986		16.3161	16.3342	16.2467	16.3603	16.3822	16.0821	16.0163	16.3683	29	28	29	27	20	23	25	28
HK1	P19367;P1	1.87E-12	1.26E-12	0.057261		0.106909	0.289708		18.9752	19.0111	18.9482	19.3736	18.9036	18.7881	18.479	19.0602	44	44	44	43	44	43	42	43
UQC11	Q9NVA1;Q9	8.45E-08	2.75E-08	0.0573612		0.345022	0.804436		15.5465	15.4684	15.6101	15.5088	15.2918	15.5409	15.5453	15.5346	4	4	4	3	3	2	3	3
SNX15	Q9NR56	5.86E-05	1.43E-05	0.057435		0.342981	0.800463		15.8317	15.8586	15.8954	15.8145	15.9059	15.6529	15.9287	15.7203	8	9	9	6	9	7	8	7
STX10	O60499	0.000677	0.000143	0.0575404		0.107256	0.290564		14.4315	14.115	14.3659	14.1068	14.7944	14.1768	14.0349	14.1201	4	4	4	4	4	4	5	4
PRPF3	O43395	1.32E-09	5.37E-10	0.0575734		0.544795	1.17304		15.7799	15.8028	15.7366	15.7635	15.764	15.5767	15.7342	15.7392	15	14	13	15	11	13	11	13
Q9Y490	2.08E-16	4.41E-16		0.447372		0.997651			19.988	19.9729	19.9361	19.9288	19.9709	19.9877	19.7483	19.9038	142	140	141	135	136	139	138	137
CDC42BPB	Q9Y552	4.00E-13	3.22E-13	0.0578418		0.258063	0.629867		15.7464	15.8661	15.8219	15.6815	15.6537	15.9872	15.812	15.6336	59	60	61	58	51	62	61	56
PTGES2	Q9H7Z7	3.14E-11	1.66E-11	0.0578735		0.309911	0.735317		16.5939	16.6451	16.6461	16.4426	16.671	16.742	16.5275	16.4695	11	10	10	9	10	11	9	10
COG1	Q8W1W7;Q	4.92E-14	5.10E-14	0.0579121		0.289173	0.69366		15.4356	15.4331	15.4158	15.1737	15.4232	15.4497	15.5215	15.2833	18	20	21	18	17	19	18	20
AP1G1	O43747;O4	3.66E-10	1.60E-10	0.0579329		0.4896	1.07451		17.402	17.4404	17.3869	17.4823	17.2686	17.3499	17.2735	17.385	26	26	26	26	25	27	27	27
ARL6IP4	O66P13;Q8	1.68E-05	4.32E-06	0.0579916		0.4554	1.01237		15.2234	15.2466	15.3214	15.2844	15.0536	15.2136	15.2455	15.2321	5	5	4	5	4	5	4	5
PTGES2	Q13332;Q1	3.64E-14	3.91E-14	0.0580023		0.087256	0.240456		15.1938	15.3862	15.3508	15.9141	15.2342	14.9315	14.9489	15.2326	11	11	12	12	9	7	9	9
KPNB1	Q14974	1.08E-13	1.02E-13	0.0580563		0.325526	0.766266		19.7067	19.6968	19.7008	19.7954	19.6179	19.7024	19.4504	19.6508	33	33	34	32	32	33	32	31
KATYNA1	O75449	0.00395	0.000718	0.0581192		0.194435	0.49366		15.4374	15.6298	15.5769	15.5528	15.1826	15.6801	15.5242	15.51	5	4	3	4	2	4	1	1
CSNK1A1	P48729	2.07E-09	8.19E-10	0.0585576		0.237354	0.586444		16.5904	16.6366	16.6218	16.8382	16.5839	16.4441	16.4522	16.4702	15	14	14	14	13	14	14	15
PTPNB	P48739;P4	2.32E-14	2.64E-14	0.0585932		0.149832	0.392548		17.2049	17.2379	17.2303	17.3364	16.8129	17.4636	17.1309	17.0852	19	18	19	18	19	18	19	18
ANAPC1	Q9H1A4	1.91E-18	7.66E-18	0.0585985		0.434642	0.974191		15.2049	15.1189	15.189	15.04	15.0951	15.2671	15.1293	15.0303	17	19	19	16	10	14	12	13
INMP4A	Q96PE3;Q5	5.57E-05	1.36E-05	0.0586468		0.207152	0.521573		15.2335	15.177	15.1404	14.901	15.4051	15.1791	15.0799	15.0599	7	7	6	6	4	6	5	6
UMPS	P11172	1.56E-11	8.76E-12	0.0587234		0.5616	1.20266		16.4783	16.5124	16.4657	16.3424	16.3621	16.5318	16.4144	16.483	16	18	17	17	17	18	18	18
RNPE	Q9H4A4	6.10E-12	3.71E-12	0.0588661		0.18885	0.48128		18.6871	18.6875	18.5221	18.8946	18.6405	18.7057	18.3454	26	26	25	25	26	26	25	25	
UBT2	Q8WUN7	0.002347	0.000452	0.0590333		0.144968	0.381188		15.0459	15.036	14.9818	15.1607	14.7918	15.1537	15.0924	14.5857	5	2	3	2	3	4	2	3
TMEM87A	O8BNB3	3.62E-08	1.23E-08	0.0595177		0.139412	0.368127		16.1611	16.2278	16.1574	16.2168	15.6888	16.3063	16.3554	16.0459	11	10	11	12	10	11	12	11
DYM	Q7RTS9	3.29E-13	7.27E-13	0.0596087		0.271115	0.656831		16.2494	16.2917	16.2423	16.1989	16.306	16.2323	16.323	15.9474	7	7	8	5	7	6	7	7
PRKAB1	Q9Y478	4.81E-07	1.45E-07	0.0596404		0.163524	0.421454		15.7747	15.6998	15.7603	15.4644	15.4279	15.8704	15.7156	15.9481	5	4	5	4	5	5	5	4
PRXL2B	Q8TBF2;Q8	3.06E-15	4.54E-15	0.0599616		0.070481	0.197181		15.0747	15.0545	14.9769	15.4403	15.3336	14.307	14.5158	15.1685	3	4	5	4	5	4	5	4
RANBP3	Q9H6Z4;2	7.50E-08	2.45E-08	0.0601906		0.312007	0.739492		15.7018	15.8064	15.797	15.8805	15.7752	15.9659	15.9923	15.7541	7	8	9	9	4	10	7	9
AP521	O43299	9.46E-13	6.90E-13	0.0601972		0.270985	0.656564		15.173	15.1179	15.0265	15.0993	15.2737	14.9258	14.9896	14.9397	7	8	8	9	9	9	7	8
FBXO6	Q9NRD1	0.000106	2.50E-05	0.0602488		0.05106	0.145502		13.9156	14.5371	14.7706	14.7585	13.3589	14.8789	14.6038	14.1374	5	6	4	2	2	5	4	2
DDX19A	Q8NUU7	2.48E-07	7.72E-08	0.0602818		0.444714	0.992765		15.6659	15.6896	15.6458	15.4876	15.7532	15.6494	15.5542	15.5898	4	4	4	4	2	3	4	4
SLC22A18	Q9EBH1	0.001476	0.000297	0.0603338		0.116892	0.314173		15.4437	15.4884	15.5131	15.1188	15.8239	15.6484	15.4221	15.0938	3	3	3	3	3	2	3	2
CSK	P41240	1.65E-09	6.62E-10	0.060392		0.447303	0.997525		17.0333	17.0621	17.0459	17.065	17.0154	17.0674	16.8231	16.9626	21	21	22	22	20	21	21	23
TSSC4	Q9Y5U2;Q5	1.60E-09	6.43E-10	0.0605339		0.10557	0.286397		15.5132	15.4342	15.5528	15.2683	15.7018	15.6874	14.897	15.6431	4	4	5	5	5	4	5	5
NDUFS5	O43920	1.02E-10	4.86E-11	0.0606903		0.141611	0.373307		17.0132	16.9396	17.1361	17.1771	16.5232	17.0209	17.1502	16.9735	6	5	6	6	5	5	4	6
DDX31	Q9H8H2	0.000147	3.42E-05	0.0608094		0.186762	0.476632		14.9608	15.0555	15.0882	15.2845	14.7318	14.9611	15.0401	14.8526	8	7	7	8	5	7	8	6
KIAA2013	Q8IYS2;Q8	2.16E-05	5.50E-06	0.0610898		0.264475	0.643152		16.4008	16.4716	16.4429	16.2013	16.4681	16.2807	16.5984	16.3384	8	8	8	8	6	8	8	7
ANKH1	Q8IYW2;Q1	1.43E-08	5.09E-09	0.0613464		0.281118	0.677298		14.9239	14.9754	14.7962	15.0199	14.8	14.651	14.9076	14.8075	9	9	9	12	5	8	7	11
MTMR14	Q8NCE2;Q1	1.67E-05	4.30E-06	0.0614958		0.260232	0.634369		15.786	15.5263	15.6209	15.6066	15.7111	15.5761	15.3627	14.658	4	5	5	6	4	4	4	4
MAN2B2	Q9Y2E5;Q8	6.88E-11	3.41E-11	0.0615238		0.17217	0.443845		16.0612	16.0104	16.0873	15.6745	16.224	16.1354	16.0959	15.8274	10	10	10	11	10	13	11	10
URO5	P10746	1.47E-15	2.40E-15	0.0615315		0.256962	0.627578		15.3432	15.2317	15.3022	15.047	15.4285	15.1115	15.216	15.3513	9	10	9	8	9	8	9	9
TBCF	Q15813	5.26E-16	9.60E-16	0.0617972		0.184002	0.470472		16.2529	16.316	16.2513	16.3564	16.5237	16.0161	16.0639	16.0979	22	23	24	22	21	21	26	22
EIF4G2	P78344	4.53E-13	3.59E-13	0.0618032		0.433633	0.972324		18.1641	18.1672	18.1697	18.2453	18.1374	17.9587	18.0538	18.1308	40	39	40	40	40	41	39	40
POFUT1	Q9H488	1.03E-17	3.29E-17	0.0619919		0.247747	0.608337		17.1164	17.1168	17.1483	17.0953	16.8091	17.2862	17.0479	17.0875	13	13	12	13	12	13	12	12
MLLT1	Q03111	1.62E-19	9.26E-19	0.0620301		0.48177	1.06037		15.2728	15.2353	15.2978	15.1683	15.3663	15.1166	15.1692	15.2128	2	4	4	3	3	1	2	1
BRD8	Q9H0E9;Q9	0.000155	3.59E-05	0.0620924		0.09993	0.272386		14.9063	14.3522	14.6266	14.8461	14.8141	14.3137	14.1207	14.7367	4	5	4	4	2	1	1	3
PDSSA	Q29RF7	2.94E-08	1.01E-08	0.0622021		0.303196	0.721901		15.5649	15.636	15.5851	15.6527	15.5738	15.297	15.5151	15.6271	19	22	22	20	17	14	18	18
NUPB1	P53384;P5	1.98E-20	1.61E-19	0.0624177		0.279814	0.67464		16.5849	16.4601	16.4544	16.3746	16.6318	16.4881	16.4568	16.2355	6	9	9	8	6	8	6	6
PMPCB	Q75439	3.87E-11	2.00E-11	0.0624367		0.568082	1.21404		16.9691	16.9622	16.9724	16.9585	16.9734	16.8451	16.7835	16.9668	17	16	16	17	16	16	15	16

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
ANAPC5	Q9UIJ4	1.34E-17	4.10E-17	0.0754665		0.397895	0.905618		14.865	14.6038	14.7884	14.6891	14.8263	14.6484	14.6807	14.5399	9	11	10	9	6	9	11	8
MRS23	Q9Y3D9	1.35E-08	4.84E-09	0.0757754		0.488513	1.07255		16.746	16.874	16.7883	16.8721	16.8187	16.6425	16.6564	16.648	7	7	7	7	5	7	7	5
CDKN2AIP	Q9NXXV	3.39E-14	3.68E-14	0.075837		0.636885	1.33357		14.3514	14.3499	14.2949	14.2597	14.3832	14.1409	14.2	14.2973	11	12	12	10	7	8	9	10
HDFGL3	Q9Y3E1	0.001711	0.000341	0.0759007		1.04185	0.282968		14.0185	14.0298	14.3418	14.8709	13.7698	14.154	14.0015	13.8499	3	3	3	3	1	0.015	3	2
AKAP17A	Q02040	7.05E-08	2.31E-08	0.0760592		0.341593	0.797759		18.238	18.2566	18.268	17.9636	18.4137	18.1687	18.1645	18.1802	6	7	8	7	5	5	8	5
ARPC1A	Q92747	2.42E-07	7.54E-08	0.0761531		0.310612	0.736715		18.6055	18.6518	18.6378	18.7855	18.4153	18.6774	18.5179	18.3815	18	18	18	18	18	18	18	18
TMEM167B	Q9NRX6	3.64E-07	1.12E-07	0.0763204		0.119583	0.320711		15.3944	15.5155	15.3849	15.9123	14.9126	15.2441	15.1214	15.586	2	2	2	2	1	2	2	2
DDR2	Q16832	5.54E-10	2.36E-10	0.076527		0.469335	1.03781		16.5828	16.6464	16.5415	16.3708	16.5729	16.5462	16.6603	16.4183	17	17	15	17	17	16	18	18
HAUS8	Q9BT25;Q8	0.021472	0.003564	0.0765405		0.07011	0.21321		14.4163	NaN	14.4038	14.6924	NaN	NaN	NaN	13.9746	1	NaN	3	2	NaN	NaN	NaN	1
DIAPH1	O60610	1.59E-10	7.40E-11	0.076656		0.248231	0.609352		16.6532	16.6447	16.635	16.8667	16.4801	16.497	16.3158	16.6787	43	46	45	44	44	43	44	44
DOP1B	Q9Y3R5;Q8	1.38E-13	1.26E-13	0.0768398		0.192707	0.489839		16.5445	16.566	16.5684	16.6116	16.8181	16.182	16.2534	16.549	16	15	14	15	13	11	8	14
SYNE3	Q6ZM23	2.14E-16	4.53E-16	0.0769683		0.514756	1.11967		15.4986	15.5205	15.5245	15.539	15.5526	15.4237	15.4016	15.2709	28	26	27	28	19	26	24	21
ATG5	Q9H1Y0	1.37E-05	3.54E-06	0.0770257		0.864963	1.7187		15.9393	15.9633	15.9422	15.7902	15.8155	15.9492	15.9495	15.8518	8	8	9	8	6	8	7	8
EIF253	P41091	4.74E-09	1.80E-09	0.0770316		0.523083	1.13452		18.7368	18.7676	18.7594	18.5401	18.7264	18.8369	18.6755	18.6091	26	26	26	27	26	27	27	26
MFAP1	P55081	3.44E-18	1.28E-17	0.0772703		0.780748	1.57786		15.1704	15.0888	15.2233	15.0622	15.0071	15.0434	15.1658	15.1393	6	6	6	6	5	5	6	5
PGOLUT3	Q724H8	4.54E-13	3.59E-13	0.0773029		0.258666	0.63112		17.4831	17.4835	17.4296	17.2314	17.1432	17.5307	17.6368	17.3983	19	18	18	19	18	19	19	19
TXNL1	O43396	1.16E-14	1.45E-14	0.0773356		0.576367	1.22856		18.339	18.3711	18.313	18.0865	18.327	18.301	18.3416	18.2625	20	19	17	17	19	18	18	18
QSVWJ9	Q39E05	9.72E-06	0.0774741			0.312899	0.741266		15.1547	15.239	15.0405	15.1064	14.8413	15.18	15.2366	14.9721	6	6	7	6	4	5	8	5
RPS24	P62847;P6	1.75E-12	1.19E-12	0.0775956		0.271889	0.658421		20.1166	20.14	20.3441	20.2159	20.0534	20.2944	19.8476	20.2019	6	6	6	6	6	6	6	6
EMD	P50402	1.14E-15	1.91E-15	0.0776623		0.708269	1.45555		18.5551	18.5687	18.5439	18.3982	18.4339	18.5767	18.5728	18.4096	11	11	11	11	10	11	10	10
POG2	Q723K3;Q2	0.07E-10	3.77E-10	0.0777449		0.293172	0.701745		15.2283	15.2425	15.1871	15.1767	15.4312	14.9453	15.0288	15.1248	13	11	12	9	6	6	8	6
ALDH3B1	P43353	9.90E-06	2.62E-06	0.0778008		0.097923	0.267371		16.2119	16.158	16.1793	15.3012	16.3741	16.5442	16.2857	16.0212	5	5	5	1	6	6	6	5
ISL	Q14498	4.48E-11	4.56E-11	0.0780628		0.087696	0.241574		16.2691	16.4011	16.6017	16.4068	16.6403	16.0623	16.9976	15.6226	7	5	7	7	1	7	7	7
HNRNPC	P07910	9.70E-05	2.27E-05	0.0780735		0.914255	1.80074		20.737	20.7764	20.7521	20.6990	20.7609	20.5641	20.6768	20.6838	19	20	19	18	20	17	17	19
SLTM	Q9NWH9	7.70E-06	2.05E-06	0.0781644		1.28332	2.41692		17.188	17.2029	17.1555	17.1364	17.117	17.0704	17.1619	17.034	9	9	11	10	8	10	10	9
USP25	Q9UHP3	5.88E-06	1.58E-06	0.078166		0.268856	0.652187		15.753	15.8328	15.7605	15.9171	15.4157	15.8288	15.6004	15.7575	11	8	12	11	7	9	12	7
CPSE1	Q10570	5.17E-10	2.22E-10	0.0782688		0.369742	0.852145		15.805	15.8389	15.8174	15.7024	15.9227	15.5115	15.749	15.8252	26	24	23	24	18	18	20	20
NFX1	Q12986	0.003228	0.000597	0.0789589		0.18164	0.465186		13.1531	13.3313	13.2498	12.8048	13.4362	13.1763	13.431	12.9805	6	6	8	4	4	5	5	7
RRP1	P56182	2.56E-12	1.68E-12	0.0791507		0.556955	1.19449		15.3696	15.2742	15.3806	15.2165	15.3155	15.3231	15.1727	15.1858	8	8	10	7	7	10	9	7
SRP8B	Q9YSM8	5.45E-15	7.44E-15	0.0791737		0.278548	0.672057		18.1786	18.2258	18.2112	18.1064	17.8895	18.0626	18.4334	18.1383	15	15	15	15	15	15	16	15
SDSL	Q96GA7	0.001879	0.00037	0.0795303		0.098395	0.268551		14.9994	14.8032	14.7922	14.5443	14.4967	15.4773	15.1081	14.3006	7	4	6	4	1	7	6	3
MRS2	Q9Y399	2.46E-05	6.20E-06	0.079652		0.585181	1.24396		16.3568	16.4249	16.3587	16.4256	16.1484	16.2753	16.3608	16.2922	7	7	6	6	5	6	6	6
MT-CYB	P00156	0.00027	6.02E-05	0.0797189		0.18868	0.480903		17.6371	17.3572	17.5149	17.7717	17.1063	17.4208	17.563	17.2549	1	1	1	2	1	1	1	1
RBM22	Q9NMW6;Q4	1.18E-08	4.23E-09	0.0798686		0.862344	1.71433		16.0779	16.068	16.0962	16.042	16.0697	15.8879	15.9532	16.0514	6	5	5	6	4	5	6	5
NDFU1	P49821;P4	3.08E-17	8.44E-17	0.080368		0.473878	1.04606		17.377	17.4212	17.4015	17.273	17.2969	17.4723	17.4117	17.1437	16	16	18	18	16	17	17	16
SLC25A1	P53007	0.000199	4.54E-05	0.0803805		0.845102	1.68557		18.4858	18.426	18.3682	18.2764	18.4426	18.2933	18.3855	18.3337	9	9	11	10	9	9	8	9
DIP2C	Q9Y2E4	5.62E-07	1.68E-07	0.0804413		0.713846	1.46501		14.4331	14.3138	14.2445	14.2287	14.1608	14.2408	14.3063	14.3136	9	9	9	8	7	7	9	6
HUWE1	Q726Z7;Q7	4.72E-14	4.93E-14	0.0805135		0.730461	1.49314		17.0062	17.0068	16.9943	16.8047	16.9676	17.0449	16.8831	16.9095	97	97	95	88	82	86	88	89
CTDNBP1	Q95476	2.91E-14	3.22E-14	0.0805164		0.569789	1.21703		16.6501	16.5191	16.568	16.3594	16.6099	16.4678	16.5829	16.4729	2	2	2	3	3	3	3	2
NCBP3	Q53F19	4.41E-06	1.20E-06	0.080529		0.41533	0.938317		15.7963	15.7126	15.6596	15.4279	15.6846	15.744	15.5975	15.7575	7	9	6	6	8	7	6	6
TRA2B	P62995;P6	8.44E-05	2.01E-05	0.0805464		0.933945	1.83347		18.6136	18.7467	18.6728	18.5709	18.6695	18.5949	18.6296	18.5208	8	8	8	7	7	7	6	8
MAN1A1	P33908	1.23E-14	1.52E-14	0.0809111		0.101882	0.272748		15.8895	15.8379	15.8728	16.2918	15.9361	15.7215	14.9904	15.9892	13	12	12	12	9	12	6	9
YIPF3	Q9GZM5	1.25E-05	3.24E-06	0.0809315		0.154597	0.403607		16.7045	16.7057	16.7842	16.8438	16.7006	16.7867	16.665	16.8867	4	5	4	5	5	5	5	5
NDFUFA12	Q9UI09	1.93E-08	6.76E-09	0.0809525		0.375808	0.86374		17.5005	17.4576	17.2917	17.3573	17.2204	17.4286	17.4975	17.1746	5	6	5	5	5	6	5	5
COL1A1	P02452	1.83E-13	1.62E-13	0.0809536		0.053136	0.151114		19.951	19.97	19.9794	19.0841	19.3323	21.1315	20.5412	19.34	61	61	60	56	56	62	60	58
APOL2	Q9BOE5	2.16E-06	6.05E-07	0.0810868		0.138472	0.365907		16.5043	16.4366	16.4726	16.5861	15.9519	16.7899	16.0397	16.5828	8	9	8	8	6	9	8	7
RRP8	O43159	0.000748	0.000157	0.0811647		0.169838	0.438554		14.9807	14.8684	14.9055	14.8766	15.0884	14.9597	14.3036	14.9569	9	9	9	9	8	8	8	8
SYAP1	Q96A49	2.16E-11	1.18E-11	0.0812379		0.155895	0.406609		16.3009	16.2878	16.3987	16.5027	16.5207	16.0241	15.7749	16.4171	14	15	16	17	14	14	16	15
HSPD1	P10809	5.03E-10	2.16E-10	0.0813147		0.606116	1.28039		19.5277	19.5177	19.4717	19.5018	19.4704	19.3336	19.2925	19.5236	46	45	44	44	43	44	42	45
FKBP10	Q96AY3	3.46E-15	5.04E-15	0.081325		0.129301	0.344109																	

Gene names	UniProt IDs	Protein Group P- value	Protein Group Q- value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p- value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
CAP2	P40123	2.96E-16	5.87E-16	0.0852332		0.179627	0.460669		18.3592	18.3583	18.3675	18.0095	18.5432	18.6128	17.9173	18.2996	17	17	17	16	17	17	16	17
NUDFB7	P17568	3.73E-07	1.14E-07	0.0853464		0.241972	0.596197		16.3949	16.2491	16.3924	16.4113	16.2426	16.3047	16.4658	15.8746	4	4	4	4	4	4	4	4
ATPSD9	Q75947	1.15E-09	4.72E-10	0.0854136		0.080088	0.222109		17.6604	17.2783	18.1774	18.2017	17.1333	16.9486	17.7287	18.0876	13	13	13	13	12	13	13	13
NUDCD3	Q8IVD9	1.16E-08	4.91E-09	0.0854384		0.230902	0.572744		16.3183	16.3222	16.2961	16.6174	15.9908	16.1256	16.0776	16.3224	17	17	17	18	16	18	18	18
ABI1	Q8IZP0;Q8	3.06E-12	1.96E-12	0.0854448		0.571019	1.21919		16.8992	16.8265	16.8913	16.9053	16.6617	16.9091	16.7487	16.7096	14	14	14	14	12	14	14	14
SMG5	Q9UPR3	6.05E-05	1.47E-05	0.0854507		0.252686	0.618671		13.8556	14.0559	13.7007	14.1063	13.8307	13.6362	13.6661	13.6872	4	4	3	5	3	4	3	4
POLR1C	Q15160	4.00E-14	4.25E-14	0.0856769		0.224986	0.560111		15.9548	15.9625	15.9259	15.8558	16.0913	16.0013	15.9309	15.431	7	7	7	7	7	7	7	7
CUL2	Q13617;Q1	2.69E-12	1.76E-12	0.0857759		0.204133	0.514982		16.147	16.2378	16.1912	16.4766	15.7754	16.2097	15.8925	16.1769	30	30	31	30	26	27	28	28
ERG28	Q9UKR5	0.000158	3.66E-05	0.08578		0.13889	0.366895		15.5866	15.3726	15.6752	15.7144	15.2622	14.9396	15.4813	15.8976	3	3	3	2	2	1	2	2
CPSF3	Q9UKF6	1.38E-16	3.14E-16	0.0858599		0.372553	0.857522		15.8385	15.9768	15.9477	15.8492	16.0188	15.6123	15.7521	15.9433	14	17	16	14	9	12	12	13
ADPRH	P54922	0.00061	0.00013	0.0858688		0.096587	0.264024		14.0469	14.2331	14.3137	14.3477	13.3112	14.7826	14.0737	14.045	1	1	1	1	2	1	2	1
DIS3	Q9Y2L1	3.64E-16	6.97E-16	0.0858906	+	2.21413	4.13576		15.7566	15.8353	15.8016	15.7148	15.7206	15.7366	15.6798	15.7079	24	27	30	27	24	26	24	22
ETFA	P13804	8.36E-15	1.08E-14	0.0864704		1.27173	2.39731		18.6412	18.6409	18.6543	18.471	18.5703	18.5835	18.5369	18.6335	15	15	14	14	15	15	14	15
VKK2	Q86Y07	2.92E-15	4.35E-15	0.0865215		0.291493	0.698354		15.2836	15.3126	15.15	15.1141	15.2596	14.9288	15.4471	15.0613	9	10	11	9	5	7	8	5
MAT2B	Q9NZL9	7.85E-13	5.81E-13	0.0867032		0.409989	0.928331		17.3955	17.463	17.439	17.5413	17.2359	17.4775	17.1895	17.2848	15	14	13	15	13	14	14	14
PHF6	Q8IWS0;Q8	2.56E-24	7.58E-23	0.0867917		0.208261	0.52399		16.0123	15.8422	16.0849	16.1197	16.1194	15.5883	15.6302	16.0075	8	8	8	8	7	8	8	8
PGP	A6NDG6	7.00E-08	2.30E-08	0.0871099		0.332456	0.779892		17.0065	16.9674	16.9271	17.0451	16.886	16.5842	16.8563	17.0278	11	10	11	8	9	10	9	9
THL1	Q01085	1.86E-13	1.64E-13	0.087206		0.910967	1.79527		17.438	17.4536	17.3836	17.4668	17.2941	17.3504	17.275	17.3031	10	10	10	10	11	10	10	9
ERC2	P18074	2.75E-10	1.23E-10	0.0873542		0.703236	1.44701		15.4779	15.5642	15.5146	15.422	15.4244	15.3755	15.3428	15.5931	8	8	8	8	6	8	8	7
IARS2	Q9NS54	4.06E-17	1.08E-16	0.087436		0.666163	1.38382		17.1317	17.16	17.1404	17.1465	16.9343	17.1852	17.0206	16.9965	37	37	37	36	34	36	36	35
PPAC	P60510	1.49E-15	2.43E-15	0.0875768		0.428034	0.961955		16.7616	16.7995	16.8467	16.9171	16.7358	16.6359	16.5171	16.7692	6	6	6	6	6	6	6	6
NDUFA10	Q95299	7.54E-09	2.78E-09	0.0879951		0.469333	1.0378		16.7907	16.7887	16.8048	16.6991	16.8022	16.8032	16.7651	16.4641	15	15	15	12	13	13	13	13
PPA1	Q15181	5.05E-10	2.17E-10	0.0881087		0.219589	0.548521		18.3474	18.4204	18.3936	18.7257	17.9885	18.2934	18.2055	18.2821	21	21	21	19	21	21	21	21
STAT6	P42226	3.47E-13	4.87E-13	0.0889192		0.271948	0.658543		16.5061	16.48	16.5116	16.6106	16.5242	16.4105	16.0315	16.4784	19	19	20	18	15	18	18	17
CDC5L	Q99459	6.25E-09	2.33E-09	0.0882531	+	1.62175	3.00376		16.2657	16.2684	16.1997	16.2827	16.2458	16.128	16.2059	16.1408	28	29	25	23	25	26	27	27
GOT2	P00505	1.80E-08	6.35E-09	0.0884801		0.808605	1.62457		18.8649	18.8852	18.8189	18.8698	18.738	18.6435	18.7556	18.8325	23	23	23	23	22	21	22	22
CHD1	Q14546;Q1	6.91E-25	2.28E-25	0.0888889		0.126829	0.338186		15.209	15.0975	14.7543	14.6503	14.9414	14.6159	14.1333	15.1692	2	2	2	2	1	1	2	2
RAB33B	Q9H082	0.000383	8.37E-05	0.0889249		0.396802	0.903559		15.6	15.618	15.7007	15.409	15.7925	15.4499	15.4658	15.636	3	3	3	2	3	3	3	3
CCN17	Q8N7R7;Q8	0.000254	5.69E-05	0.0889417		0.052803	0.151483		14.0624	14.149	14.1686	14.7856	12.7566	14.3911	NaN	14.3976	2	2	3	3	2	3	2	2
NUDF52	Q75306;Q1	2.62E-10	1.18E-10	0.0890244		0.474162	1.04658		17.341	17.4211	17.4379	17.3752	17.109	17.4778	17.3342	17.2588	14	15	14	14	12	14	14	14
RTF2	Q9BY42	5.93E-14	6.02E-14	0.0890327		0.506924	1.0566		15.0064	15.0463	14.973	14.9269	14.8895	14.7914	14.851	15.139	7	7	8	7	6	6	8	7
PARP9	Q8IX06-2	1.93E-06	5.44E-07	0.0890921		0.196271	0.497713		14.5982	14.6531	14.5483	14.1064	14.8582	14.4188	14.7452	14.4251	7	7	6	4	5	6	2	4
ARL15	Q9NKU5	0.000149	3.46E-05	0.0891579		0.101568	0.276469		19.3009	19.1106	19.1152	18.1446	19.2967	19.4358	19.1772	19.1772	2	2	1	1	2	2	2	2
TCF25	Q9BQ70	3.76E-07	1.15E-07	0.0892548		0.303415	0.72934		15.3018	15.194	15.263	15.0017	15.3749	14.939	15.131	15.3719	10	12	13	11	9	12	12	12
CSNK1D	P48730;P4	3.00E-17	8.23E-17	0.089322		0.098595	0.269052		15.8217	15.8391	15.8713	16.1973	16.2661	15.9548	14.9835	15.3719	3	3	3	3	3	3	3	3
MDH2	P40926	1.71E-13	1.53E-13	0.0894183		0.507831	1.10728		21.018	20.989	20.9661	21.0817	20.9244	20.9095	20.7046	20.8879	18	18	17	19	18	18	19	19
SMAP	Q00193	2.08E-10	9.52E-11	0.0896831		0.391381	0.893322		16.1646	15.9161	16.0885	15.9618	16.0311	16.1361	15.7476	15.957	5	6	5	6	5	6	6	6
UBXN6	Q9BZV1	4.54E-17	1.18E-16	0.0898197		0.354752	0.823302		16.1217	16.1775	16.1295	16.0061	16.1503	16.2978	15.8133	15.998	14	14	13	13	12	15	13	13
HIBCH	Q6NVY1	4.87E-05	1.20E-05	0.0899591		0.389714	0.890168		16.6394	16.5615	16.688	16.4963	16.2911	16.7355	16.5819	16.5937	14	14	14	13	12	14	14	14
HMG2N	P05204	0.002415	0.000463	0.0900085		0.886306	1.75425		18.0207	18.0171	17.8462	17.9092	17.8147	17.824	17.9233	17.8851	4	5	4	4	4	4	4	4
NMT1	P30419	4.59E-16	8.55E-16	0.0901157		0.259393	0.632629		18.1153	18.0816	18.0484	18.0478	17.5822	18.2036	18.0744	18.0502	13	13	13	13	13	13	13	13
PLCB3	Q01970	4.85E-14	5.04E-14	0.0901568		0.578134	1.23165		16.3922	16.3962	16.4082	16.3893	16.289	16.1281	16.2866	16.4507	28	28	28	27	24	26	24	27
BCL10	Q95999	3.15E-14	3.44E-14	0.0901883		0.395481	0.901067		15.6806	15.6705	15.7471	15.8092	15.5364	15.5203	15.4238	15.7564	10	7	9	9	7	7	9	10
ATP13A1	Q9HD20	8.24E-12	4.87E-12	0.0902157		0.272423	0.659519		16.558	16.609	16.5589	16.3019	16.303	16.7163	16.7517	16.3525	36	38	38	36	34	39	39	36
FASN	P49327	1.28E-18	5.50E-18	0.0902448		0.183097	0.468448		19.3623	19.4028	19.3694	19.727	19.3912	18.9387	19.001	19.3819	104	105	105	103	103	102	102	103
CANX	P27824;P2	4.40E-10	1.90E-10	0.0902944		0.204635	0.516079		19.5553	19.6061	19.6493	19.6802	19.0348	19.7078	19.7106	19.4331	36	36	38	36	36	36	35	38
VPS25	Q9BRG1	2.86E-05	7.17E-06	0.0906007		0.238553	0.588981		17.2253	17.1968	17.2631	17.0236	17.0889	17.0411	17.5882	16.9472	10	10	9	7	8	10	9	9
FAM114A2	Q9NRY5	1.36E-11	7.72E-12	0.0907248	+	1.55201	2.88012		15.6524	15.705	15.7134	15.6223	15.5752	15.6721	15.5706	15.5575	18	20	19	17	17	17	20	18
TPM4	P67936	2.17E-05	5.51E-06	0.0907576		0.263272	0.640663		20.8617	20.8444	20.8005	20.4565	21.0449	20.9245	20.6449	20.6532	32	30	31	30	33	31	33	33

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
TDRC3	Q9H7E2-Q	0.00099	0.000204	0.0957396		0.254321	0.622079		16.5847	16.6499	16.2441	16.1601	16.4769	16.5049	16.6412	16.2027	3	5	5	1	3	4	2	3
CDC134	Q9H6E4	1.55E-17	4.63E-17	0.0958726		0.146583	0.384969		15.5122	15.5498	15.5671	16.1318	16.0646	14.9883	15.2235	15.6412	6	5	6	5	5	5	6	5
RPL32	P62910	5.55E-07	1.66E-07	0.0958797	+	1.31149	2.46465		19.3895	19.532	19.509	19.4141	19.3841	19.415	19.3288	19.3628	8	8	8	8	8	8	8	8
PTBP3	Q9Y578-Q	1.80E-07	5.69E-08	0.0960979		0.308112	0.731729		16.6189	16.7028	16.6369	16.3313	16.3044	16.7706	16.8039	16.4875	10	10	11	10	9	11	10	10
FLNA	P21333-P2	6.18E-10	2.62E-10	0.0961709		0.493255	1.0811		21.6593	21.7132	21.672	21.4239	21.5246	21.8118	21.6398	21.5267	152	153	150	146	145	150	149	150
PLEKHF1	Q96599	9.96E-08	3.22E-08	0.0966287		0.160809	0.417929		16.1163	15.9631	16.0143	15.6445	16.1485	16.448	15.9399	15.4922	6	6	7	6	6	6	5	5
TGM2	P21980	2.70E-16	5.43E-16	0.0966424		0.053366	0.151734		18.1312	18.1351	18.1088	16.5801	17.3416	18.8978	19.1288	18.1935	27	28	30	23	22	29	29	26
ABHD10	Q9NUJ1	2.67E-07	8.29E-08	0.0966588		0.609945	0.187203		16.4265	16.5782	16.5789	16.3123	16.5498	16.5228	16.3251	16.4461	9	9	9	9	9	10	9	9
NBAS	A2RRP1	8.93E-12	5.24E-12	0.0966616		0.961032	1.87846		16.1089	16.0881	16.06	15.8675	16.0888	16.0233	16.0188	15.9468	39	43	40	40	40	37	41	42
RBBP4	Q09028-Q	1.11E-13	1.04E-13	0.0966722		0.568983	1.21562		17.9813	18.0095	17.9948	18.0465	17.7977	17.7253	17.9423	17.9809	14	14	14	14	14	14	14	14
PAWR	Q96120	3.86E-08	1.31E-08	0.0966914		0.173676	0.447253		16.4947	16.4221	16.5226	15.8809	16.2944	16.7982	16.6616	16.2806	13	13	14	13	12	14	14	13
PLEKHA8	Q14562	6.23E-07	1.85E-07	0.0967039		0.289733	0.694795		14.2494	14.4418	14.308	14.129	14.3742	13.9063	14.4701	14.3023	8	6	8	3	6	4	5	7
AVEN	Q9NC51	1.08E-12	7.75E-13	0.0968872		0.326513	0.76821		14.963	14.7482	15.0454	14.8462	14.662	15.0397	14.9468	14.6153	7	6	6	6	6	5	6	6
NNT	Q13423	2.55E-12	1.67E-12	0.0971217		0.487613	1.07093		17.2642	17.3585	17.2994	17.2086	17.3029	17.3012	17.2844	16.9541	36	37	36	36	35	36	37	36
PFKL	P17858	4.26E-18	1.55E-17	0.0971472		0.497444	1.08864		16.6896	16.6979	16.65	16.6139	16.5565	16.7613	16.6257	16.3527	29	29	30	28	29	29	28	29
MRPL4	Q9BYD3	4.72E-12	2.04E-10	0.0972441		0.500632	1.09437		16.3491	16.3008	16.4152	16.3738	16.3121	16.2629	16.0113	16.3288	8	9	9	9	9	6	8	9
DIS3L2	Q8IY87	6.39E-19	2.96E-18	0.0975266		0.651143	1.35808		15.8638	15.9252	15.8343	15.8657	15.8822	15.6586	15.6445	15.8337	23	20	21	22	16	16	22	19
TRAF6	Q9Y4K3	0.00157	0.000315	0.0976561		0.304618	0.724747		14.8088	15.0138	15.0501	15.1721	14.7582	14.8582	14.8982	14.6128	6	5	5	5	3	3	3	5
PSMD5	P16401	7.75E-13	5.74E-13	0.0977542	+	1.49579	2.78158		18.3744	18.3829	18.3721	18.2621	18.3676	18.2278	18.2303	18.3056	18	19	17	18	18	19	17	17
CHD1L	Q86WJ1-Q	1.91E-05	4.88E-06	0.097757		0.213558	0.535497		14.7099	14.9081	14.8894	14.9101	14.2259	14.7957	14.7904	14.9682	14	16	11	11	11	5	9	6
NFYC	Q13952-Q	5.02E-07	1.51E-07	0.0977757		0.63399	1.33876		15.8176	15.7838	15.697	15.716	15.6422	15.555	15.5875	15.8413	5	5	5	3	4	3	4	4
WDAR5	Q9Y484-Q	0.002349	0.000452	0.0978024		0.711835	1.4616		15.5763	15.694	15.6187	15.3995	15.5984	15.6478	15.4493	15.5644	5	4	5	5	5	5	5	5
RBM8A	Q9Y539-Q	1.28E-06	3.66E-07	0.0979165		0.255628	0.624804		17.3319	17.3513	17.3688	17.3144	16.8115	17.2851	17.1115	17.3479	6	6	7	7	6	6	6	5
TRIP11	Q9UBB9	3.85E-05	9.52E-06	0.0979166		0.518388	1.12615		16.0677	15.9267	15.9942	15.8668	16.0846	15.703	15.9037	15.9333	12	11	12	9	7	6	6	8
SF3B3	Q15393	2.56E-24	7.58E-23	0.097959		0.871905	1.73026		18.0474	18.0936	18.0416	17.9775	18.0628	17.8451	17.8925	18.0365	40	41	40	38	37	38	39	38
VP58	Q8N3P4-Q	1.44E-11	8.11E-12	0.098095		0.327791	0.770727		14.9745	14.9814	14.9512	14.5353	15.0916	14.8337	15.0081	14.886	41	43	41	40	38	39	38	38
OGDH	Q02218	2.38E-16	4.94E-16	0.098222		0.398308	0.906398		17.097	17.112	17.108	17.1978	16.7317	17.0996	16.9293	17.0789	42	43	42	43	42	39	42	42
LDHA	Q8H6V9-Q	5.08E-07	1.53E-07	0.0984278		1.190621	0.485213		16.9969	16.9646	16.9353	16.2989	17.2095	16.9115	16.9932	16.9229	4	4	4	4	3	4	4	4
RUSF1	Q96G05	2.38E-08	8.28E-09	0.0986933		0.352383	0.818721		15.4884	15.5125	15.4536	15.4708	15.1827	15.5436	15.576	15.1575	11	12	11	10	7	11	9	9
MAPK7	Q13164	5.41E-05	1.32E-05	0.0986866		0.3415	0.797578		15.2582	15.17	15.0641	15.0782	14.8653	15.297	14.8709	15.2147	7	9	9	11	8	10	8	8
IGHMBP2	P38935	0.000744	0.000156	0.0988998		0.085218	0.235261		13.5453	13.8557	14.4617	14.5277	12.9519	14.1978	13.5147	14.0824	1	2	1	3	2	2	3	3
E1F5	P55010	1.25E-16	2.89E-16	0.0989071		0.610062	1.28723		18.0216	18.0621	18.0165	17.917	17.8838	18.1582	17.8657	17.8477	20	20	20	20	18	20	20	19
PIPSK1A	Q99755-Q	7.06E-12	4.24E-12	0.0991009		0.278397	0.671749		16.3036	16.3241	16.1998	16.2149	15.8422	16.5213	16.1894	16.1159	10	11	10	11	8	11	10	8
TUBGCP3	Q96CW5	6.54E-13	4.95E-13	0.0991072	+	1.36676	2.55881		15.3136	15.3612	15.342	15.1531	15.1976	15.3044	15.2818	15.2623	26	27	27	24	22	23	24	23
THY1	P04216	0.000725	0.000153	0.0992757		0.197142	0.499634		16.0075	21.9911	21.9359	21.391	22.1917	22.0454	21.5895	21.8436	4	4	4	4	4	4	4	4
TP1	Q07157	2.97E-18	1.12E-17	0.0992798		0.364966	0.842984		17.0486	17.0531	17.0969	17.2971	16.823	16.9926	16.8316	16.8901	50	52	52	50	37	49	46	45
ZNF346	Q9UL40-Q	0.00089	0.000185	0.0992997		0.337887	0.790525		14.6587	14.8114	14.6058	14.4738	14.8715	14.7075	14.5321	14.3783	3	3	4	2	2	3	4	3
DCADK	Q8WVVC	3.92E-16	7.44E-16	0.0993184		0.78789	1.58985		18.4066	18.4161	18.428	18.198	18.4047	18.4023	18.3728	18.2101	7	8	8	7	7	8	9	7
ATRAD	Q6UW56-Q	0.007011	0.001228	0.0993614		0.060535	0.170937		16.1681	16.0906	15.9659	16.3658	14.2642	16.2343	16.6911	16.3223	2	2	2	2	2	1	2	2
GALK1	P51570-P5	2.36E-11	1.28E-11	0.0995435		0.49457	1.08347		17.5442	17.4916	17.4859	17.2556	17.4656	17.6435	17.3172	17.3565	16	16	16	16	16	16	16	16
GNAL2	Q03113	0.001181	0.000241	0.0996812		0.792273	1.5972		15.629	15.6868	15.6834	15.7289	15.577	15.4646	15.497	15.566	5	6	5	5	5	6	6	6
ATG2A	Q2TA20-Q2	0.0019	0.000374	0.0997669		0.270978	0.656549		15.1288	15.0696	14.9541	14.615	15.1701	14.9072	14.8469	15.2162	8	11	10	9	4	6	5	7
ABCC1	P33527	8.50E-19	3.77E-18	0.0997773		0.419633	0.94634		16.1268	16.1544	16.1582	16.2743	15.9658	16.2288	15.9328	15.9003	37	36	35	32	27	38	31	33
UCHL5	Q9Y5K5-Q	1.48E-09	5.99E-10	0.0997896		0.969883	1.89316		16.7018	16.6722	16.6603	16.6327	16.512	16.5471	16.4971	16.7025	14	15	14	14	13	14	14	14
NAGPA	Q9UK23-Q	0.002673	0.000506	0.0998278		0.091843	0.252084		15.8247	15.2746	14.8705	14.9099	14.8261	15.4484	14.803	16.13	1	3	2	1	1	1	1	1
SUJ7	Q9NP77	5.80E-05	1.41E-05	0.0998401		0.429534	0.964735		16.1068	16.0668	16.0503	16.2384	15.9369	15.881	15.7856	16.032	7	7	6	7	7	6	7	7
MRPL44	Q9H9J2	6.59E-10	2.78E-10	0.0999217		0.448745	1.00017		16.2323	16.2128	16.1048	16.1674	16.1214	15.9135	15.9278	16.2866	10	12	9	12	11	10	9	11
TRIM2	Q9C040-Q	1.27E-09	5.19E-10	0.100002		0.542654	1.16925		15.5855	15.6254	15.5454	15.5748	15.5067	15.2389	15.5709	15.5359	11	11	10	11	9	10	9	9
RHBDD2	Q6NTF9-Q	0.004647	0.000835	0.100083		0.15373	0.401601		16.4514	16.0153	16.376	15.7456	16.3102	15.8158	16.6294	16.403	2	2	2	2	2	1	2	2
MRPL54	Q6P161	0.0006	0.000128	0.																				

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
NUDCD1	Q96R56;Q9	6.27E-22	7.95E-21	0.103454		0.552619	1.186885		16.2565	16.3172	16.2761	16.3804	15.9826	16.2016	16.1246	16.2099	15	17	16	16	14	16	15	16
ZWICLH	Q9H900	8.47E-12	4.99E-12	0.103476		0.391837	1.894183		14.7455	14.9714	14.8942	14.9604	14.8681	14.6273	14.5431	14.843	6	4	6	5	5	4	4	5
COPG2	Q9UBF2	3.15E-13	2.62E-13	0.103596		0.793069	1.59854		17.7364	17.7477	17.7816	17.4775	17.6264	17.7473	17.722	17.6849	27	26	28	25	27	26	27	25
CBX8	Q9HC52	8.05E-15	1.04E-14	0.103691		0.165207	0.432222		15.6952	15.6273	15.6692	15.6099	NaN	16.1043	15.3531	15.1735	2	2	1	1	NaN	1	1	2
CASP7	P55210;P5	1.69E-09	6.77E-10	0.103851		0.30028	0.716054		15.7433	16.0353	15.9232	15.5999	16.0055	15.98	15.8698	15.5285	8	8	8	8	7	7	7	6
HDDC3	Q8N4P3;Q8	8.86E-06	2.36E-06	0.103882		0.064542	0.185446		13.1407	12.8332	13.0739	13.7254	NaN	NaN	11.858	13.1528	2	2	2	2	NaN	NaN	2	2
YARS2	Q9Y2Z4	1.44E-11	8.11E-12	0.104064		0.660949	1.37489		15.8167	16.1071	15.9969	15.8898	15.7988	15.9834	15.8145	15.8611	8	10	9	10	9	9	10	9
SEPTIN11	Q9NVA2	9.58E-12	5.56E-12	0.104081		0.754797	1.53421		18.9899	19.0296	18.9212	18.7006	18.942	18.9791	18.8798	18.8794	25	25	25	25	21	25	25	25
CS	O75390	1.70E-09	6.82E-10	0.104089		0.391752	0.894023		19.5948	19.6101	19.5862	19.726	19.6252	19.2669	19.3242	19.5224	16	16	16	16	16	16	16	16
RNF40	O75150	1.04E-13	9.85E-14	0.104102		0.685815	1.41737		14.6283	14.6351	14.5298	14.5743	14.4281	14.32	14.5838	14.5618	17	17	17	17	17	16	14	16
PRPF40A	O75400;O1	1.22E-15	2.04E-15	0.104111		0.980515	1.91082		16.1937	16.2189	16.2786	16.1562	16.2258	16.0629	16.0139	16.1726	13	13	13	13	10	13	12	12
PAK1P1	Q9NWT1	9.77E-06	2.57E-06	0.104574	+	1.59403	2.95441		16.6401	16.7137	16.6432	16.5226	16.5005	16.5812	16.5695	16.6318	11	9	10	11	6	9	8	7
MIR1	Q9BV20	2.42E-09	9.49E-10	0.105225		0.147942	0.388141		15.552	15.5696	15.5365	15.5115	15.756	14.6917	15.8419	15.4362	8	9	8	9	8	7	10	7
MRPL28	Q13084	4.77E-05	1.17E-05	0.105577		0.577515	1.23057		16.2129	16.3047	16.3534	16.2585	16.2406	15.9598	16.1658	16.2991	7	7	7	7	6	6	6	7
FMC1	Q96H9-2	1.33E-11	7.56E-12	0.105585		0.634267	1.32906		16.5873	16.7641	16.7494	16.6621	16.5187	16.4986	16.7626	16.5314	15	17	17	15	13	13	16	15
CTU1	Q727A3	5.81E-05	1.42E-05	0.105768		0.125184	0.334233		14.9644	15.0126	14.977	15.0657	15.9487	15.1928	15.2246	14.9626	5	5	5	3	2	3	3	5
WASHC5	Q12768	1.29E-15	2.14E-15	0.105996		0.479352	1.05599		16.6214	16.681	16.6267	16.5597	16.3133	16.6844	16.7006	16.427	48	49	48	50	42	47	47	45
IRF2BP2	Q7519-2	6.67E-08	2.19E-08	0.106037		0.821925	1.64686		15.6216	15.691	15.7082	15.5816	15.6783	15.4146	15.5261	15.6372	12	12	11	12	9	8	10	12
DCAF5	Q961K2;Q9	0.000379	8.29E-05	0.106166		0.241607	0.595428		14.1922	14.3849	14.3416	14.3721	13.8342	14.531	14.2972	13.9658	5	5	4	3	4	3	3	3
MTA1	Q13330	7.18E-08	2.35E-08	0.106176		0.65528	1.36518		15.4045	15.3752	15.4058	15.3795	15.3555	15.063	15.2974	15.3496	11	13	15	13	7	9	10	11
ALDH16A1	Q81283	1.07E-17	3.40E-17	0.106216		0.170907	0.44008		16.1101	16.0641	16.0335	15.9333	16.0221	16.3215	16.239	15.2992	13	15	13	15	13	16	15	13
APFH	P13798	7.47E-09	2.76E-09	0.106219		0.873718	1.73329		17.9714	18.0402	17.9311	17.9562	17.9515	17.9035	17.7295	17.8331	21	21	21	21	18	20	19	19
PARN	Q95453;Q9	1.00E-05	6.31E-06	0.106304		1.1854	2.25209		14.9086	14.8854	15.0129	14.8891	14.7661	14.8317	14.7657	14.8942	9	10	9	8	6	7	6	6
ARHGEF11	O15085;O1	7.04E-05	1.70E-05	0.106487		0.45669	0.101474		15.0192	15.171	15.0587	14.737	15.0368	15.1527	15.0766	14.8794	17	15	16	12	11	15	11	12
ZW10	O43264	4.86E-16	8.98E-16	0.106513	+	1.48367	2.76045		16.0993	16.0605	16.0813	15.9748	16.0142	15.8759	15.9626	16.042	23	24	24	23	23	22	23	23
SNRPC	P09324	1.58E-08	5.60E-09	0.106534		0.101648	0.276666		18.1367	18.0281	18.5768	18.6451	17.6232	17.3786	18.3091	18.7472	2	2	2	2	2	2	2	2
MRPL12	P52815	9.56E-11	4.60E-11	0.106874		0.074925	0.208762		16.9861	16.1258	17.7321	17.6422	16.4365	16.2636	16.4313	17.432	3	3	3	3	3	3	3	3
CNP	P09543	1.72E-08	6.09E-09	0.107078	+	1.70147	3.1472		17.2212	17.1945	17.2253	17.157	17.0514	17.1748	17.085	17.0647	27	26	27	26	27	26	26	27
SAE1	Q9UB60	3.20E-22	4.22E-21	0.107259		1.03294	1.9979		16.6458	16.6077	16.6271	16.5674	16.5655	16.5518	16.5878	16.5258	19	20	20	19	16	16	19	20
TTIC39B	Q5VTQ0;Q5	0.000265	5.93E-05	0.107342		0.252283	0.617827		14.9361	14.9901	15.0013	14.5842	14.8444	15.3206	14.9401	14.6534	7	4	5	4	3	6	7	3
TMEM222	Q9H0R2	4.77E-05	1.17E-05	0.107668		0.28066	0.676366		14.5047	14.4651	14.6155	14.4889	14.3275	14.8446	14.2072	14.2355	4	4	4	4	4	4	4	3
STIM2	Q9R24E;Q9	0.002558	0.000487	0.107738		0.268622	0.651705		14.9325	14.919	14.8204	14.9368	14.5659	15.1904	14.6545	14.5669	5	3	5	4	2	3	4	3
MRPS15	P82914	2.97E-14	3.28E-14	0.107872		0.508943	1.10927		15.9201	15.9064	15.9149	16.0281	15.6406	15.8588	15.8529	15.6491	8	8	8	8	6	6	8	8
RBBP5	Q15291	1.78E-10	8.24E-11	0.107893		0.74986	1.52589		15.0013	14.9708	15.03	15.0814	14.8151	14.7937	14.8483	14.9256	7	6	6	7	5	5	7	8
RETREG2	Q8NC44	1.76E-18	7.14E-18	0.107931		0.192081	0.488451		16.1835	16.1377	16.2973	16.2969	15.4544	16.3213	16.2702	16.1482	6	6	6	6	5	5	6	6
RINI1	Q13671	4.83E-13	3.79E-13	0.10814		0.206434	0.520008		16.4701	16.5307	16.5439	16.6548	16.851	16.1161	16.0336	16.3783	14	16	14	14	12	11	13	14
RPL30	P62888	1.84E-10	8.49E-11	0.108153	+	1.45797	2.7158		21.1984	21.2645	21.2363	21.1351	21.2136	21.1203	21.0378	21.118	8	7	8	7	7	7	7	8
MTIF3	Q9HK20	0.002351	0.000453	0.108229		0.285093	0.685387		15.0868	15.2675	15.21	15.4458	15.0024	15.2242	14.9307	14.7962	2	2	2	2	2	2	1	1
NDUFA13	Q9PD10	1.20E-08	4.31E-09	0.108327		0.233264	0.57777		17.4784	17.4714	17.5788	17.5787	17.573	16.9113	17.7444	17.4204	7	7	7	7	4	6	6	6
WASL	O00401	9.93E-09	3.61E-09	0.108585		1.19307	2.26496		16.4852	16.5905	16.531	16.5138	16.4267	16.3795	16.4772	16.3377	11	12	12	11	10	11	10	12
WDR77	Q9BQA1	3.65E-12	2.31E-12	0.108717		0.465599	1.031		17.8175	17.8175	17.8138	17.7699	17.4329	17.9087	17.6565	17.659	11	11	11	11	10	11	11	11
BCCIP	Q9P287	9.09E-20	5.59E-19	0.108856		0.353403	0.820695		16.8358	16.8754	16.859	17.047	16.6889	16.5067	16.5968	16.9001	7	7	8	8	6	8	8	8
STK17B	Q94768	9.58E-05	2.27E-05	0.108949		0.144546	0.380199		13.7011	13.4542	13.5113	13.3843	14.2008	12.9053	13.2898	13.4526	4	4	4	3	4	3	3	3
B4GAT1	O43505	1.71E-05	4.40E-06	0.108951		0.250966	0.615077		15.4819	15.7774	15.5092	15.1329	15.6564	15.3088	15.8246	15.4798	6	6	6	6	4	5	6	4
MRPL55	Q727F7;O7	1.69E-08	5.99E-09	0.109002		0.470548	1.04001		16.5844	16.6099	16.5449	16.4537	16.7692	16.3162	16.4145	16.4001	4	4	4	4	4	4	4	4
FRMD8	Q9B267	2.68E-11	1.43E-11	0.109419		0.297181	0.709825		16.5328	16.5469	16.4739	16.6693	16.3957	16.574	16.3632	16.0164	5	5	5	4	4	6	5	5
TNP02	O14787	5.44E-14	5.59E-14	0.109427	+	2.28374	4.28044		16.0693	16.1645	16.1168	16.0375	16.0354	15.9873	15.9855	15.9915	11	10	10	12	10	11	10	11
RACK1	P63244	2.04E-11	1.12E-11	0.109859		0.472386	1.04335		21.4636	21.5463	21.4681	21.4978	21.1801	21.5983	21.3949	21.2431	20	20	20	20	20	20	20	20
RANBP1	P43487;P4	5.42E-09	2.04E-09	0.109882		0.924785	1.81825		18.8158	18.7681	18.6763	18.7826	18.5857	18.6665	18.6259	18.5568	10	10	10	10	10	9	11	11
PHB2	Q99623	0.000122	2.85E-05	0.11017		1.14345	2.18192		19.80															

Gene names	UniProt IDs	Protein Group P- value	Protein Group Q- value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p- value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control 1	Log2 MS2_quantity_ Control 2	Log2 MS2_quantity_ Control 3	Log2 MS2_quantity_ Control 4	Log2 MS2_quantity_ Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
EDC4	Q6P2E9	5.88E-13	4.51E-13	0.113678		0.762991	1.54801		16.4308	16.4435	16.4242	16.5261	16.2521	16.2271	16.2532	16.3374	38	38	38	36	30	36	36	35
P42858	2.96E-07	9.16E-08	0.114002		0.656848	1.36787		14.9543	14.9917	15.0667	14.9949	14.9957	14.6794	14.9411	14.8402	14.8402	34	38	36	35	28	29	35	33
DDX42	Q86XP3	9.75E-13	7.06E-13	0.114215	+	1.68133	3.11075		16.9291	16.9795	16.9537	16.9093	16.8046	16.762	16.8418	16.8819	32	30	31	31	28	30	28	29
RINT1	Q6NUQ1	9.50E-08	3.07E-08	0.114294		0.782125	1.58017		15.964	15.4383	15.4686	15.2478	15.4928	15.3899	15.2656	15.2047	10	11	12	11	8	11	10	9
COL4A2	P08572	0.012346	0.002096	0.114337		0.069128	0.201985		14.4	NaN	14.2835	15.0744	NaN	13.9923	13.6153	NaN	3	NaN	2	2	NaN	3	4	NaN
ATPSF1E,ATPSF1EP2	P56381;Q5	0.006385	0.001123	0.114419		0.28606	0.687351		18.3595	18.3626	18.1589	18.291	18.1436	17.7571	18.2245	18.48	2	2	2	2	2	2	2	2
GSTR1	Q9Y2Q3	2.52E-14	2.84E-14	0.114807		0.518179	1.12578		17.7398	17.5273	17.7434	17.5826	17.5351	17.4237	17.4444	17.7911	13	13	12	12	12	12	13	13
RETSAT	Q6NUM9	3.91E-12	2.45E-12	0.115042		0.312661	0.740792		15.9544	15.9545	15.9333	16.2682	15.8456	15.6364	15.778	15.6336	16	17	19	19	15	16	13	13
CNOT1	ASYKK6	1.01E-15	1.73E-15	0.115153	+	2.88251	5.65691		16.1475	16.1281	16.1459	15.9905	16.0599	16.0607	16.0166	15.999	61	62	62	60	54	62	59	57
ILKAP	Q9HDC8	4.09E-20	3.00E-19	0.115493		0.374102	0.860482		15.9159	16.0513	15.9542	16.0072	16.0037	15.6254	15.6114	16.0439	8	8	8	9	9	7	8	10
GLG1	Q92896;Q5	1.86E-16	4.05E-16	0.1155		1.28613	2.42167		17.1232	17.1262	17.1031	16.8974	16.9593	17.0935	17.0658	16.9938	47	47	47	47	40	46	44	45
BMP1	P13497;P1	2.12E-05	5.38E-06	0.115635		0.119812	0.321265		14.3298	14.4405	14.4338	13.3609	14.3134	14.5904	14.9853	14.1787	4	5	4	1	5	3	4	1
ST13	P50502	5.19E-18	1.83E-17	0.115906		0.279124	0.673233		19.3976	19.4623	19.3931	19.6542	19.0179	19.5642	19.1675	19.1051	10	10	10	10	10	10	10	10
CPQ	Q9Y646	1.29E-13	1.19E-13	0.116005		0.101369	0.275973		16.8361	16.964	16.879	15.7802	17.0191	17.4573	17.2946	16.3339	12	12	11	8	10	12	11	10
SSRP1	Q08945	2.01E-13	1.77E-13	0.116123		0.724391	1.48287		17.6909	17.7008	17.7439	17.6773	17.6132	17.3845	17.5828	17.721	19	19	19	19	19	19	19	19
HADH	Q16836;Q1	2.69E-13	2.27E-13	0.116159		0.491324	1.07762		17.8417	17.9289	17.8725	17.778	17.8447	17.956	17.4756	17.4756	12	12	13	12	11	13	12	12
PFLP1	Q81Z18	1.51E-14	1.83E-14	0.116209	+	2.14135	3.98741		16.4956	16.483	16.5149	16.3702	16.3924	16.4558	16.3619	16.3278	15	14	15	14	14	14	14	16
TECR	Q9NZ01	1.49E-10	6.99E-11	0.116281		0.414837	0.937395		17.7746	17.8242	17.9246	17.496	17.6513	17.7303	18.0458	17.7008	14	12	12	11	12	13	13	13
E1F1D	O15371;O1	1.55E-12	1.06E-12	0.11637		0.49494	1.08414		17.8334	17.8165	17.7486	17.8882	17.755	17.5682	17.4402	17.7616	19	20	20	20	19	19	19	19
P1436	P42356	2.14E-11	1.17E-11	0.116572		0.736086	1.50265		15.5995	15.6467	15.6394	15.3723	15.4466	15.7047	15.5701	15.4661	37	38	37	31	27	37	37	31
WDR12	Q0GZ7	7.54E-11	3.69E-11	0.116729		0.458397	1.01786		15.7554	15.7078	15.7501	15.88	15.3476	15.5731	15.6683	15.6362	11	12	11	13	11	11	13	11
CND1U1D	Q96G69	9.12E-07	2.66E-07	0.116859		0.621741	1.30745		16.5174	16.4842	16.53	16.4858	16.2519	16.6277	16.3474	16.4226	6	7	7	7	7	6	6	6
ADK	P55263	1.79E-16	3.94E-16	0.116864		0.405775	9.920434		16.929	16.988	16.9697	16.5957	17.1238	16.6898	16.8478	16.9696	22	22	21	21	21	21	22	21
FLU1	Q13045	5.27E-16	9.60E-16	0.116866		0.454484	1.0107		18.013	18.052	18.0064	18.1349	17.9564	17.6644	17.7565	18.0224	43	44	43	46	43	40	44	43
SPN51	Q9H2V7;Q1	9.11E-07	2.66E-07	0.116931		0.185533	0.473891		17.7431	17.7402	17.6584	17.3968	17.2131	18.0273	18.0584	17.2891	5	5	5	5	5	5	5	5
DDX3X	Q00571	4.35E-12	2.71E-12	0.116988		0.304065	0.72364		18.7628	18.7816	18.7192	18.3653	18.8713	18.8173	18.3209	18.8127	11	11	11	11	10	11	11	11
NDUFAF2	Q8N183	2.40E-08	8.33E-09	0.117097		1.0846	2.08381		16.9154	16.9409	16.984	16.8951	16.6889	16.9064	16.7893	16.8687	10	10	9	9	7	10	8	9
DDX17B10	Q99714	2.56E-24	7.58E-23	0.117365		0.663998	1.38011		18.4297	18.4366	18.3516	18.2847	18.1282	18.2408	18.2796	18.5095	15	16	14	15	14	15	15	15
P1P4K2C	Q8TBX8	1.25E-12	8.83E-13	0.117614		0.125332	0.334591		15.835	15.8801	15.88	14.775	15.8614	16.0953	16.3016	15.7037	12	12	12	9	10	12	11	11
COP5A	Q9BT78	7.24E-11	3.56E-11	0.117687		0.408901	0.926294		17.6414	17.6558	17.6589	17.6023	17.5948	17.1573	17.6623	17.6552	21	21	21	21	21	20	21	21
SAMM50	Q9Y512	2.36E-10	1.07E-10	0.117956		0.779605	1.57594		17.7965	17.5712	17.52	17.3581	17.321	17.6362	17.4049	17.3893	21	22	21	19	19	22	22	22
COR07	P57737;C1	7.93E-06	2.10E-06	0.117982		0.261202	0.636381		16.0911	16.1098	16.0755	16.0527	16.3724	15.5293	15.8513	16.065	14	15	16	17	10	9	11	11
DL19B	Q9UMR2;Q1	2.66E-24	7.71E-23	0.117995		1.03052	1.99388		17.0479	17.0367	16.9654	16.9378	16.7435	16.9781	16.9455	16.8795	18	19	19	16	17	18	17	17
MRP525	P82663	7.61E-13	5.66E-13	0.118045		0.280243	0.675515		15.496	15.5446	15.4152	15.4497	14.878	15.6496	15.4551	15.4039	5	5	6	6	4	5	6	5
VRMA	Q69YNA;Q1	1.52E-19	8.82E-19	0.118115		0.596946	1.26446		15.0641	15.0296	14.8866	14.8076	14.992	14.7427	14.7737	15.0606	14	16	15	16	9	10	11	11
THOC2	Q8N127	3.09E-10	1.37E-10	0.118225		0.80044	1.61089		15.4047	15.3834	15.3478	15.3307	15.3557	15.0769	15.1949	15.3439	26	28	21	16	18	16	15	21
SLC66A3	Q8N755;Q1	0.000165	3.80E-05	0.118235		0.333053	0.781062		17.2896	17.333	17.3641	17.4675	17.2367	16.9452	16.9593	17.4445	2	2	2	2	2	2	2	2
SNAP47	Q5SQN1;Q1	0.001842	0.000364	0.11835		0.194396	0.493574		15.1141	14.4446	15.1612	14.3011	15.0322	14.9433	14.8515	14.8133	1	2	1	2	1	2	1	1
LDG5	Q8TDM6;Q1	0.001387	0.00028	0.118436		1.21218	2.29702		15.2855	15.3573	15.3731	15.1937	15.3632	15.1446	15.197	15.2096	15	14	14	14	11	9	12	12
BRM10	P98175;P9	1.11E-12	7.94E-13	0.118591	+	1.37501	2.57292		15.6214	15.7303	15.7129	15.6448	15.5576	15.4817	15.5416	15.6221	18	18	20	18	13	17	15	17
CTSD	P07339	8.34E-07	2.45E-07	0.118635		0.189832	0.483462		20.3017	20.3204	20.3002	19.6005	20.1448	20.224	20.7608	20.2139	18	18	18	17	18	18	18	18
SSRP1	Q04837	4.73E-13	3.72E-13	0.1187		0.628751	3.1955		18.7282	18.6223	18.5813	18.5568	18.5503	18.6723	18.2901	18.5566	7	7	7	7	7	7	7	7
SH3RF3	Q8TEJ3	0.018397	0.003072	0.11895		0.172889	0.445472		16.2228	16.5197	16.6577	16.9132	15.7378	16.2045	16.3182	16.3182	2	2	2	2	1	2	2	2
MRP130	Q8TCC3;Q8	0.000573	0.000122	0.118972		0.459142	1.01922		14.1424	14.3825	14.3324	14.3621	13.8982	14.2682	14.163	14.1423	3	3	3	3	3	3	3	3
MAEA	Q7L5Y9	1.29E-06	3.71E-07	0.119096		0.632963	1.32681		14.4136	14.5425	14.4471	14.3632	14.5821	14.3318	14.2347	14.2314	6	5	4	6	2	5	4	5
BABAM2	Q9NKR7	0.000278	6.20E-05	0.119433		0.494682	1.08367		16.3468	16.3695	16.3953	15.9982	16.2284	16.4796	16.3688	16.1806	10	10	11	7	7	9	10	7
STXB3	Q00186	3.10E-16	6.10E-16	0.119456		0.759605	1.54231		16.3002	16.3002	16.299	16.0788	16.2217	16.3271	16.1945	15.9973	22	20	22	22	21	23	20	20
FTFB	P38117	1.25E-09	5.12E-10	0.119548		0.736983	1.50416		18.8504	18.8106	18.7998	18.6603	18.7025	18.7753	18.507	18.8585	18	17	17	18	18	17	17	18
ABI2	Q9NYB9;Q1	4.93E-19	2.42E-18	0.119634		1.26988	2.39419		15.9254	15.8217	15.9262	15.8678	15.7007	15.7422	15.8267	15.7199	5	5	5	5	4	5	5	5
ASF																								

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
MRP137	Q9BZE1	1.76E-11	9.81E-12	0.123571		0.76099	1.54464		16.6003	16.5904	16.568	16.413	16.5941	16.2579	16.4908	16.5574	16	17	18	18	15	15	16	15
RFN213	Q63HN8;Q	1.47E-13	1.33E-13	0.123595		1.00602	1.95318		15.5794	15.5995	15.575	15.5818	15.4486	15.5109	15.2954	15.4686	118	114	114	116	91	109	106	101
MRPL45	Q9BRJ2	1.04E-08	3.77E-09	0.123638		1.05564	2.03563		16.153	16.2483	16.1566	16.1694	16.0228	16.0654	15.9267	16.1273	12	11	11	12	12	10	13	12
GORAB	Q5T7V8	1.57E-05	4.04E-06	0.123687		0.317949	0.751291		15.5318	15.6659	15.5339	15.3391	15.3466	15.118	15.7537	15.7102	4	3	5	2	4	3	5	5
SIRT2	Q8IXJ6	5.26E-05	1.29E-05	0.123713		0.940151	1.84378		15.9407	15.8777	15.8997	15.6416	15.7666	15.9359	15.7404	15.8437	10	11	9	9	9	11	10	9
RAP2A	P10114	0.000385	8.41E-05	0.123724		0.922766	1.81489		17.1203	17.0967	17.1251	16.8373	17.015	17.0825	17.1049	16.9118	5	5	6	5	5	5	7	6
PLEKHA2	Q9HB19	2.21E-10	1.01E-10	0.123726		0.282263	0.67963		14.9782	14.8127	14.885	15.2462	14.6149	14.4688	14.8482	14.663	6	6	6	6	4	5	6	5
MAPK14	Q16539	5.27E-08	1.76E-08	0.123741		1.06091	2.04439		16.7082	16.6804	16.6623	16.4765	16.6667	16.519	16.4688	16.6685	14	14	14	13	13	14	14	14
BLVRA	P53004	6.55E-10	2.77E-10	0.123839		0.387639	0.886238		18.494	18.5497	18.5449	18.6967	18.6064	18.1742	18.2243	18.3267	18	17	16	16	18	15	15	17
PCNA	P12004	6.14E-07	1.83E-07	0.123844		0.34429	0.803013		18.8683	18.8157	18.827	18.9676	18.753	18.3651	18.5436	18.9365	12	12	12	12	11	11	11	12
FBX03	Q9UK99;Q	0.000614	0.00013	0.123896		0.342235	0.79901		14.8797	15.0662	14.9927	15.1225	15.0369	14.6326	14.5511	14.9351	4	5	5	6	4	5	5	3
TWF2	Q6IBS0	1.68E-13	1.50E-13	0.12425		0.520387	1.12972		18.422	18.3907	18.4153	18.0478	18.4466	18.3986	18.4069	18.1256	16	16	16	16	16	17	16	16
LTBP2	Q14767	6.72E-18	2.29E-17	0.124252		0.402466	0.914221		15.4766	15.4412	15.5586	15.086	15.364	15.6172	15.5568	15.2154	14	14	14	11	12	15	14	12
ALG2	Q9H553	8.27E-11	4.02E-11	0.124252		0.650308	1.35665		16.4433	16.4381	16.4488	16.2271	16.1597	16.5278	16.4299	16.2512	14	14	14	12	12	14	14	13
SELENOT	P62341	0.000754	0.000158	0.124299		0.257539	0.628777		16.5075	16.1205	16.1858	15.9112	16.2727	15.7716	16.4984	16.281	1	2	1	2	3	2	3	3
AMDHD2	Q9Y303	4.88E-10	2.10E-10	0.124233		0.360425	0.83425		16.366	16.2598	16.2239	16.4401	16.2345	16.1152	15.7747	16.2297	9	10	10	8	9	9	10	10
LONP1	P36776;P3	7.88E-18	2.39E-17	0.124428		0.162531	0.421881		17.2555	17.2182	17.2167	16.5418	16.8664	17.8038	17.3922	16.9241	36	37	36	34	33	35	36	33
STK38	Q15208	5.15E-11	2.94E-11	0.124567		0.817937	1.64019		16.2633	16.2879	16.2681	16.0839	16.0042	16.3424	16.1864	16.1257	12	14	13	12	12	12	13	14
RAPH1	Q70E73	2.62E-12	1.71E-12	0.124594		0.32466	0.764558		15.9184	15.8894	15.9768	15.5695	15.7137	16.2223	15.5949	15.9177	17	19	18	19	16	19	16	18
GAMT	Q14353	2.16E-11	1.18E-11	0.1246		0.296176	0.707802		16.6424	16.6424	16.558	16.721	16.642	16.1132	16.8958	16.5581	6	6	5	6	6	6	6	6
NCAPG	Q989P3	6.14E-10	2.61E-10	0.124809		0.373412	0.859165		16.0951	16.1565	16.0813	16.2012	16.0586	15.9171	16.1544	16.1544	21	21	21	15	15	16	17	17
SMCHD1	AGNH9P	1.92E-12	1.29E-12	0.124811		1.05904	2.04128		15.8372	15.8588	15.8374	15.6813	15.871	15.593	15.7017	15.7513	40	40	41	33	25	28	28	36
ECM51	P30084	1.43E-05	3.69E-06	0.124812		0.577852	1.23115		17.1768	17.1593	17.1625	16.942	17.0279	16.833	17.1302	15	15	15	15	15	15	15	15	15
FZD2	Q14332	3.75E-15	5.42E-15	0.125153		0.259497	0.632844		15.5572	15.4379	14.8094	15.4189	15.6059	15.6066	15.31	3	3	3	3	3	3	3	3	3
ETHE1	Q95571	5.22E-15	7.17E-15	0.12548		0.328475	0.772072		18.506	18.5208	18.529	18.5158	18.5079	18.025	18.708	18.2088	10	11	11	11	9	11	10	11
WIZ	Q95785-3	7.25E-06	1.93E-06	0.125577		0.385537	0.882252		14.2773	14.154	14.3913	14.3683	14.1298	13.7789	14.2226	14.2435	9	9	6	11	6	5	8	6
RBM15	Q96T37;Q5	1.26E-07	4.03E-08	0.125619		0.814422	1.63431		15.0717	15.0974	14.9775	14.7679	14.9218	14.9276	15.1061	14.8928	14	13	12	14	12	13	12	11
RCCL1	Q96I51	1.18E-05	3.08E-06	0.125713		0.728757	1.49026		15.0928	15.048	15.1449	15.1804	14.8966	14.8807	14.8541	15.0355	9	9	10	10	5	10	6	8
NUDT5	Q9UKX9	1.25E-09	1.96E-09	0.125772		0.474075	1.04642		17.9239	17.9201	17.8972	17.648	17.5984	18.0862	17.8962	17.7111	13	13	13	11	13	13	13	13
DNAF5	Q8Y6V6	3.87E-14	4.13E-14	0.125867		0.528183	1.14359		15.8105	15.8945	15.8187	15.4249	15.8958	15.7941	15.6663	15.7958	20	21	20	18	18	19	17	19
TTCS	Q8N076	7.00E-14	6.96E-14	0.125987		1.34878	2.5281		15.2627	15.3255	15.2496	15.1433	15.2247	15.215	15.0282	15.1552	10	9	8	12	10	11	11	6
NT1	Q8XK76;Q	4.05E-14	4.30E-14	0.126284		1.20734	2.28889		17.0792	17.1097	17.1509	16.9097	16.9049	17.1231	17.0068	16.9903	14	13	13	12	12	12	12	12
RP512	P25398	1.37E-10	1.07E-10	0.12623		0.778134	1.57347		20.2869	20.2362	20.3301	20.0458	20.3736	20.0965	20.184	20.0904	11	12	10	12	11	13	13	11
CBX3	Q13185	1.68E-10	7.81E-11	0.126447		0.799401	1.60915		17.5498	17.5337	17.6019	17.5464	17.4763	17.2194	17.5133	17.4212	8	8	8	8	7	8	8	8
SETX	Q72333;Q	0.005194	0.000926	0.126697		0.469333	1.0378		14.7021	14.7986	14.5024	14.7652	14.5059	14.6503	14.3079	14.4756	3	2	2	2	3	2	2	2
CAD	P27708	3.89E-13	3.14E-13	0.126777		1.19431	2.26704		17.7673	17.7956	17.7261	17.7371	17.5035	17.6697	17.5916	17.6791	61	59	62	60	60	61	61	61
DHX36	Q9H2U1	2.83E-17	7.79E-17	0.126822		0.820923	1.64518		16.1285	16.2055	16.1433	16.1132	15.9094	16.1158	16.1419	15.881	24	26	24	20	25	22	23	23
DHRSX	Q8NSI4	2.48E-09	9.73E-10	0.126907		0.168208	0.434847		15.2127	15.2209	15.1879	14.314	15.2945	14.8953	15.5457	15.3517	4	3	4	4	3	4	4	5
TTC28	Q96AY4	2.75E-20	2.14E-19	0.127122		0.485664	1.06741		15.0676	15.1084	15.0874	15.1439	15.1999	14.8128	14.7395	14.9172	13	24	23	19	15	13	13	19
CNRK11	Q9B2U0;Q	1.36E-12	9.50E-13	0.127212	+	2.25294	4.21607		15.6232	15.666	15.6113	15.4402	15.4779	15.5253	15.5343	15.5538	11	16	19	18	9	15	15	14
MSH2	P43246	6.89E-13	5.17E-13	0.127318		0.393644	0.897599		16.0068	16.0546	16.0059	15.9371	15.9475	15.5532	15.8282	16.2096	23	27	23	22	19	24	23	23
PRPF38A	Q8NAV1	8.96E-07	2.62E-07	0.127446		0.659057	1.37165		15.6704	15.659	15.694	15.4016	15.7982	15.4427	15.5206	15.5721	4	4	5	4	4	5	5	4
FAHD24	Q96GK7	4.52E-11	2.31E-11	0.12751		0.282663	0.680446		17.0637	17.0339	17.0826	16.9729	16.3897	17.0566	17.049	17.1946	12	12	12	12	12	12	12	12
NONO	Q15233	3.75E-13	3.05E-13	0.127517		1.10517	2.11806		18.4882	18.5049	18.483	18.5092	18.3973	18.2678	18.2698	18.3784	27	26	27	26	29	27	26	27
MRP536	P82909	3.23E-08	1.10E-08	0.127954		0.421283	0.949412		16.4069	16.4706	16.3979	16.621	16.2952	16.1312	16.051	16.3875	5	5	5	5	5	5	5	5
SMARCA4	P51532;P5	2.96E-22	3.99E-21	0.128		0.49276	1.08021		15.3017	15.3534	15.3228	15.4463	15.2484	14.9803	15.0129	15.3018	16	19	20	22	14	17	19	23
NMNA1	Q9HAN9	0.000285	6.34E-05	0.128196		0.43525	0.975315		16.238	16.2509	16.2453	16.451	15.8648	16.0162	16.1919	16.0588	7	5	7	6	7	7	7	5
CBR3	Q75828	2.54E-11	1.36E-11	0.128313		0.352163	0.818294		17.6387	17.6495	17.6525	17.1697	17.8736	17.4722	17.4251	17.6523	14	14	14	14	14	14	14	14
EHBP1	Q8NDI1;Q5	5.18E-07	1.56E-07	0.12832		0.509237	1.1098		15.5306	15.4945	15.5015	15.2459	15.6	15.5177	15.1283	15.4108	28	25	26	26	26	29	24	26
AIMP2	Q13155	3.18E-05	7.93E-06	0.12853																				

Gene names	UniProt IDs	Protein Group P- value	Protein Group Q- value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p- value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
GAR1	Q9NY12;Q9	6.45E-09	2.40E-09	0.132528		0.70713	1.45362		16.6088	16.5832	16.4781	16.2825	16.4537	16.2668	16.5894	16.5286	6	6	6	5	4	6	5	6
SIRT3	Q9NTG7	7.84E-06	2.08E-06	0.132677		0.568791	1.21529		16.005	16.1208	15.945	15.707	16.0457	16.0911	15.7524	15.8586	2	2	1	1	1	1	1	1
EIF3M	Q7L2H7	1.85E-18	7.46E-18	0.132927		0.594277	1.25982		17.5533	17.5015	17.4583	17.476	17.1019	17.3884	17.3316	17.5593	13	13	15	13	13	13	13	14
SLK	Q9H2G2-2	1.23E-23	2.86E-22	0.133267	+	2.08446	3.87348		16.2263	16.2425	16.229	16.0764	16.1515	16.07	16.1667	16.0321	33	33	32	31	29	33	31	30
ARFGAP2	Q8NH67	1.18E-10	5.60E-11	0.133499		0.588716	1.25013		16.6571	16.7111	16.6091	16.6541	16.405	16.6266	16.2763	16.6659	13	14	14	13	11	14	11	11
GOLPH3L	Q9H4A5	3.72E-09	1.43E-09	0.133566	+	1.40453	2.62356		18.1582	18.2288	18.2762	18.0682	17.9946	18.0737	18.1004	18.2005	8	7	9	6	7	7	7	6
PLDR2E	P19388	2.89E-09	1.13E-09	0.133604		0.467056	1.03366		16.369	16.4154	16.3651	16.3177	15.8994	16.215	16.4706	16.345	7	7	7	7	6	7	6	7
DLAT	P10515	3.99E-12	2.50E-12	0.133684	+	2.04713	3.79964		17.426	17.3872	17.3792	17.2637	17.3182	17.2693	17.1711	17.2967	15	16	16	16	16	16	15	16
DHX38	Q92620	1.04E-12	7.50E-13	0.133742		0.835529	1.66959		15.1368	15.2194	15.2284	15.2742	14.9504	14.9949	14.9962	15.0898	19	20	20	21	13	16	20	19
DNAJC8	Q75937	4.55E-06	1.24E-06	0.133749		0.698733	1.43935		16.9299	16.9407	16.9735	16.9608	16.8496	16.629	16.6763	16.9558	9	9	9	9	9	8	9	9
ATF2	P15336;P1	0.004139	0.00075	0.133826		0.228635	0.5742		13.5972	13.5874	13.6437	13.7173	12.9293	13.8018	NaN	13.4541	4	3	3	4	3	2	NaN	3
CIC	Q96RKO	0.009709	0.001669	0.134104		0.394422	0.912718		16.527	16.6313	16.5462	16.6552	NaN	16.0863	16.475	6	3	4	3	NaN	3	2	3	3
FZD1	Q9UP38	7.69E-05	1.85E-05	0.134161		0.129958	0.348893		13.919	13.9456	14.044	14.3864	12.9281	14.1985	NaN	13.8284	2	2	2	2	1	1	NaN	1
CTBS	Q01459	1.25E-09	5.13E-10	0.134257		0.260295	0.634499		15.466	15.5399	15.6002	15.0987	15.21	15.8232	15.7418	15.1319	4	3	5	3	4	3	4	4
ZC3H11A	Q75152	0.000415	9.05E-05	0.13431		0.5905	1.25324		14.6855	14.7839	14.7728	14.7739	14.5283	14.353	14.6513	14.7589	9	6	10	8	6	6	8	7
ATG2B	Q968V7	1.44E-12	9.98E-13	0.13441		1.09908	2.10791		14.9585	14.9445	14.9781	14.8708	14.9372	14.6532	14.8143	14.8544	15	17	17	15	12	14	13	14
RBMK	P38159	1.85E-19	1.05E-18	0.134489		0.940149	1.84378		18.4361	18.4454	18.4558	18.2726	18.4117	18.3396	18.1193	18.4133	20	21	19	19	21	20	20	20
CUL4A	Q13619	6.04E-11	3.02E-11	0.134489		1.17496	2.23461		14.9585	15.9555	15.9344	15.8073	15.9298	15.6821	15.7371	15.8788	25	26	26	24	22	24	25	24
QDPR	P09417	4.10E-12	2.56E-12	0.134915		0.575838	1.22763		17.2785	17.2456	17.2553	17.3175	17.2564	17.1483	16.8512	17.0508	8	8	8	8	7	8	7	8
UBASH3B	Q8TF42	1.59E-17	4.73E-17	0.134963		0.217806	0.544683		17.2535	17.3642	17.2545	17.5249	17.3522	16.4885	17.0373	17.3759	16	15	16	16	16	11	15	17
ATAD3A	Q9NW7-2	1.74E-16	3.82E-16	0.13543		1.00951	1.95898		18.0384	18.0542	18.062	18.004	17.8605	17.9031	17.7611	18.0519	27	26	27	25	26	24	24	25
UPF2	Q9HAU5	5.82E-19	2.76E-18	0.135562		0.716159	1.46893		15.6592	15.7031	15.695	15.7633	15.628	15.4714	15.3588	15.5296	24	24	24	25	17	22	21	22
NDUFS7	Q75251;Q7	0.000173	3.96E-05	0.135615		0.286494	0.688231		18.2346	18.0932	18.2934	17.7305	17.8246	17.6654	17.8278	17.6654	3	3	3	3	3	3	4	3
MRPS22	P82650	1.19E-09	4.88E-10	0.135626		1.23904	2.34218		16.2387	16.3539	16.3265	16.2619	16.0467	16.2351	16.1878	16.1223	16	18	17	16	13	17	17	16
SFPQ	P23246	9.54E-12	5.56E-12	0.135652	+	1.51478	2.81474		16.4993	18.5472	18.4796	18.395	18.4686	18.2807	18.3091	18.4116	28	28	27	28	25	28	26	27
ARPC5	Q15511	7.24E-08	2.37E-08	0.135815		0.86384	1.71683		19.8721	19.8189	19.7575	19.8412	19.6953	19.514	19.605	19.7464	10	10	10	10	10	10	10	10
PROPR	Q15091	4.44E-07	1.35E-07	0.136123		0.275286	0.665387		14.9222	14.9003	14.827	14.7784	15.0563	14.1741	14.7798	14.9467	9	11	9	7	5	8	8	8
TMA7	Q9Y256	0.002314	0.000446	0.136165		0.220172	0.549777		16.1998	17.0797	16.7122	16.969	17.11	16.918	16.5677	17.0411	4	3	4	3	4	3	3	4
WDR70	Q9NWR2	4.00E-13	3.22E-13	0.136198		0.223602	0.557145		15.0338	14.9798	14.8896	15.3619	14.8891	14.2162	14.8717	11	9	14	12	6	8	5	7	
IFT22	Q9H7X7	0.001837	0.000363	0.136242		0.42518	0.956657		14.7974	14.8279	14.3847	14.5297	14.5701	14.5778	14.7155	14.2675	4	3	4	1	1	3	2	1
CAMK2G	Q13555-1	2.76E-14	1.08E-14	0.136299		0.389002	0.888821		16.7775	16.3594	16.2035	16.3948	16.1	16.1456	15.716	16.1962	9	9	9	9	9	9	9	9
CLIC4	Q9Y696	9.94E-08	3.21E-08	0.136304		0.602111	1.27344		20.1364	20.0739	20.0957	20.0515	19.8079	20.1983	20.003	19.7679	21	22	21	21	21	21	21	20
PTDSS1	P48651	1.18E-15	1.99E-15	0.136413		1.06842	2.05689		18.0449	16.8676	16.8644	16.8655	16.6842	16.6844	16.5675	16.7443	8	7	7	7	6	8	8	8
ATP2A2	P16615	1.67E-23	3.59E-22	0.136774		0.520944	1.13071		18.6214	18.6052	18.6364	18.7995	18.4228	18.5421	18.2614	18.3953	49	49	49	49	49	50	48	48
USP4	Q13107;Q1	6.09E-13	4.64E-13	0.136991		1.27973	2.41085		15.633	15.583	15.6094	15.5675	15.3179	15.4649	15.4942	15.5129	24	23	27	23	19	24	24	21
MRPS18A	Q9NVS2;Q9	3.91E-08	1.32E-08	0.13716		0.667083	1.38539		16.937	15.9755	15.8821	15.9713	15.8991	15.8043	15.5684	15.8955	7	8	8	7	5	5	5	6
PRKACA	P17612	1.57E-14	1.88E-14	0.13721	+	2.20073	4.10822		17.8008	17.8978	17.8812	17.8106	17.785	17.7714	17.6688	17.7276	17	16	17	17	17	16	17	17
CUTC	Q9NTM9	0.011257	0.00192	0.137408		0.151565	0.400396		14.806	14.7704	14.396	NaN	13.7891	14.6511	14.5243	15.1158	1	1	2	NaN	2	2	2	2
RRP18	Q14684	1.90E-07	5.97E-08	0.137429		0.979765	1.90958		15.0378	15.0479	14.985	15.0333	14.8892	14.7187	14.8394	14.9501	17	16	15	15	16	15	15	15
RBM25	P49756	9.44E-19	4.10E-18	0.137466		1.17189	2.22948		16.0293	16.1211	16.0729	16.0586	15.9591	15.7951	15.8963	15.9755	22	22	22	22	20	21	20	22
PRTFDC1	Q9NRG1	0.002212	0.000429	0.137525		0.47711	1.07046		16.3542	16.3174	16.4611	NaN	16.5007	16.0138	16.1501	16.2956	5	5	5	NaN	3	1	3	3
PFM1B	Q75688	2.83E-07	8.76E-08	0.137789		0.721628	1.47819		16.0762	16.1071	16.063	15.9903	15.9235	15.987	16.1225	15.6981	12	12	12	11	9	11	11	9
NR3C1	P04150	1.09E-18	4.73E-18	0.137901		0.421972	0.950694		16.1229	16.103	16.1528	16.1495	16.0195	16.1553	15.5678	16.0494	21	21	21	21	18	22	19	21
TP53RK	Q96544	1.47E-14	1.78E-14	0.138013		0.613654	1.29346		16.5872	16.5615	16.5672	16.2145	16.528	16.4472	16.6694	16.3109	6	6	5	5	5	5	5	5
RPL22L1	Q6P5R6	1.15E-09	4.72E-10	0.138118		0.50477	1.1018		17.9888	17.4395	17.4534	17.4675	17.4799	17.135	17.1508	17.5622	3	3	3	3	3	3	3	3
CRTC3	Q6ULUV;Q1	4.93E-05	1.21E-05	0.138184		0.223054	0.555969		15.6886	15.2095	15.6273	15.7107	15.5764	15.4735	14.7463	15.3445	1	2	1	1	1	1	1	1
ALS2	Q96Q42	0.007864	0.001369	0.138444		0.250768	0.62176		16.056	15.7785	15.5964	15.2095	15.9691	NaN	15.7216	15.7871	4	6	5	5	5	NaN	5	2
ARFRP1	Q13795	0.000119	2.80E-05	0.138471		0.407402	0.923486		14.7083	14.706	14.9317	14.5486	14.7943	14.786	14.8161	14.2727	4	4	4	4	3	4	3	3
KHNMY	Q15037	0.005294	0.000942	0.138522		0.509368	1.11003		15.5021	15.6802	15.6956	15.7164	15.1755	15.5149	15.5101	15.5203	3	2	3	3	3	3	3	1
HEATR3	Q724Q2	1.00E-06	2.91E-07	0.138672		0.426507	0.95912		15.5566	15.4866	15.535	15.5199	15.6001	15.0207	1									

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
TCCEAL4	Q96EIS;O9	5.68E-08	1.89E-08	0.14357		0.409806	0.927989		14.6623	14.5859	14.5829	14.5371	14.0571	14.4111	14.7393	14.5894	8	7	6	8	5	7	4	8
XRCC5	P13100	2.99E-35	4.44E-15	0.143584	+	1.69919	3.14306		18.8703	18.9179	18.8967	18.8256	18.7398	18.6388	18.7392	18.8136	42	39	41	41	39	38	39	41
SUCLG2	Q96199	1.34E-16	3.05E-16	0.143589	+	1.45939	2.71827		17.1815	17.1144	17.1444	16.9326	17.1381	16.9936	16.9291	17.0225	23	22	22	20	19	20	19	20
ATXN3	P54252;P5	1.19E-06	3.41E-07	0.143599		0.223087	0.55604		15.4114	14.9224	15.4986	14.9159	14.6937	15.6896	15.1536	15.2167	6	5	5	5	4	5	5	4
PNP1T	Q8TCS8	5.29E-16	9.62E-16	0.143825		0.814994	1.63526		15.8813	15.8554	15.8439	15.7491	15.4864	15.7715	15.8854	15.6895	21	21	24	21	15	21	16	17
ZNF207	O43670;O4	2.46E-06	6.87E-07	0.143887	+	1.91538	3.54459		17.3932	17.4338	17.4436	17.2974	17.3534	17.1737	17.2909	17.2828	8	8	8	8	8	8	7	8
BRD4	O60885	2.39E-07	7.47E-08	0.144033		0.97038	1.89399		15.1685	15.2709	15.176	15.1502	15.2059	15.0503	14.9013	14.998	17	18	18	18	11	15	14	17
DUSP22	Q9NRW4;O	0.001169	0.000239	0.144047		0.651935	1.35944		14.9914	14.8598	14.8667	14.7663	14.9566	14.4943	14.8377	14.7546	2	2	2	2	1	1	2	2
IDH2	P48735	1.54E-13	1.39E-13	0.144059		0.891266	1.7625		18.2992	18.2886	18.2485	17.9828	18.315	18.0891	18.054	18.2324	22	23	24	21	22	23	21	22
HLTF	Q14527	8.05E-14	7.87E-14	0.144193		0.372133	0.85672		14.6188	14.6972	14.4198	14.7066	14.7194	14.221	14.1682	14.3569	8	7	11	9	5	7	7	7
NOP10	Q9NP33	0.000272	6.06E-05	0.144459		0.931939	1.83013		15.0413	14.9316	15.1878	14.8719	15.0613	14.9047	14.7973	14.9103	4	4	4	4	3	4	3	4
AQR	O60306	2.37E-16	4.92E-16	0.144714	+	1.52418	2.83121		15.7836	15.7981	15.7768	15.7149	15.687	15.5405	15.5571	15.7076	16	17	18	14	14	14	15	16
SIRT1	Q9E686	0.025962	0.004286	0.144802		0.67288	1.3953		13.9025	14.0798	14.0164	13.6678	14.0734	13.7473	13.8302	13.9552	4	2	4	6	2	3	2	4
FKBP3	Q00688	3.33E-10	1.46E-10	0.144877		1.1576	2.20557		18.2787	18.2653	18.2115	18.1393	18.0554	18.2734	18.0764	17.9901	14	14	14	13	14	14	14	14
ZC3H13	Q57200	3.31E-05	8.26E-06	0.145108		0.449554	1.00166		13.684	13.6284	13.7158	13.4212	13.7986	13.1729	13.6196	13.6426	6	6	6	5	6	3	4	4
OTULIN	Q968N8	0.001712	0.000341	0.145204		0.918239	1.80736		15.6236	15.632	15.6261	15.4373	15.6022	15.6418	15.4029	15.6029	10	10	8	7	5	9	9	8
SAFB2	Q14151	1.24E-19	7.39E-19	0.145214		1.18339	2.24873		16.1259	16.0719	16.1675	16.0976	15.8529	15.8991	16.0564	15.9767	23	23	23	23	20	23	22	22
BRCC3	P46736;P4	4.76E-14	4.96E-14	0.145314	+	1.4931	2.77688		16.1776	16.107	16.1999	15.9597	15.9597	16.1412	16.046	15.9392	6	8	5	5	5	7	6	5
OSGEP	Q9NP94	5.82E-14	5.93E-14	0.145514		0.501703	1.0963		16.1823	16.2173	16.2124	15.7775	16.1429	16.1537	16.3296	15.8888	11	10	11	10	11	11	10	10
ACTL6A	Q96019	8.27E-17	1.99E-16	0.145523	+	1.41091	2.63454		16.5744	16.5582	16.5321	16.5191	16.3553	16.4401	16.2832	16.4492	13	14	14	14	14	13	13	13
GNL1	P36915	5.41E-15	7.41E-15	0.146064		1.04603	2.01965		16.6632	16.6882	16.6918	16.5574	16.3924	16.7102	16.5589	16.4566	15	16	14	14	14	15	15	13
GEMIN8	Q9NMW8	0.000485	0.000105	0.146075		0.262622	0.639319		13.9127	14.0943	13.7128	14.0919	13.1734	13.9676	13.8739	13.696	2	2	3	3	3	3	3	3
ANKRD28	Q15084;Q	7.53E-09	2.78E-09	0.146554		0.571178	1.21947		14.6319	14.75	14.6407	14.5438	14.826	14.3658	14.5669	14.5669	15	15	15	13	14	15	14	14
KIF14	Q15058	4.24E-07	1.29E-07	0.146667		0.077972	0.218529		13.6124	13.4392	13.6207	13.7559	NaN	11.7421	14.2467	13.8995	3	2	2	1	NaN	2	3	3
FADS2	Q95864	3.93E-07	1.20E-07	0.147201		0.142216	0.37473		16.3522	16.382	16.3522	17.1791	16.3469	16.1922	15.3385	16.0728	10	9	10	11	9	9	8	10
AHCY	P23526	4.66E-16	8.66E-16	0.147237	+	1.45936	2.71821		19.2483	19.2556	19.2593	19.0633	18.9769	19.1927	19.1889	19.1141	22	22	22	21	22	22	22	22
RCBP	P42785	2.08E-12	1.39E-12	0.147528		0.470829	1.04052		17.4402	17.4072	17.412	16.847	17.363	17.4103	17.4092	17.2681	16	16	15	16	14	14	14	15
ACOT9	Q9Y305;Q5	3.71E-10	1.62E-10	0.147873		1.17644	2.23709		17.4762	17.4615	17.5103	17.4296	17.2272	17.4334	17.3753	17.2085	18	18	18	17	17	17	19	17
DENND4C	Q5VZ89;Q5	6.61E-06	1.77E-06	0.14802	+	1.39798	2.61231		15.7202	15.8122	15.7466	15.5663	15.736	15.4974	15.6146	15.6439	20	20	19	14	14	14	14	10
VAC14	Q08AM6	9.74E-14	9.32E-14	0.148508		0.633652	1.328		15.7327	15.625	15.6742	15.3255	15.6113	15.6314	15.7329	15.3429	24	25	26	23	22	23	23	23
LIMD2	Q9BT23	2.86E-05	7.16E-06	0.148531		0.121827	0.326142		14.9896	14.0651	14.7195	15.0103	14.7859	14.5174	13.2608	14.6401	1	2	2	2	2	2	1	2
TMEM201	Q5SNT2	0.002173	0.000423	0.148551		0.495414	1.08499		13.843	13.9782	14.1818	13.8784	14.1208	13.9273	13.6118	13.7238	7	6	6	2	2	6	6	2
CDK19	Q9BWU1	0.002633	0.0005	0.148696		0.186079	0.475109		13.2869	13.548	13.531	13.3769	12.7358	13.9659	12.8522	13.6022	3	3	3	3	3	3	3	3
BUB3	Q43684;O	3.66E-17	9.83E-17	0.148768		1.17224	2.23006		18.1398	18.1301	18.0776	18.1556	17.8917	17.9126	17.9069	17.9686	12	12	12	12	12	12	12	12
MRRF9	P82933	0.000263	5.89E-05	0.148848		0.867532	1.72298		16.3913	16.3302	16.3841	16.4194	16.2272	16.2634	16.0295	16.1591	11	10	10	10	8	8	9	9
CDK5RAP3	Q96185	6.06E-13	4.62E-13	0.148874		0.597914	1.26614		16.8054	16.8195	16.7848	16.4449	15.5888	16.9004	16.8247	16.5431	20	21	22	20	18	20	21	21
ARHGAP22	Q75H3;Q	1.57E-13	1.42E-13	0.149001		0.27563	0.66609		15.356	15.3558	15.3247	15.5386	15.5843	15.1269	14.6766	15.056	8	8	6	9	8	6	5	5
SAP18	O00422;O	3.20E-12	2.05E-12	0.149481	+	2.5598	4.88385		17.4202	17.3849	17.312	17.212	17.1944	17.202	17.2279	17.2781	7	7	7	7	7	8	7	8
FARS5	Q9Y285	3.34E-12	2.13E-12	0.149667		0.651816	1.35924		17.9086	17.9283	17.8573	17.7994	17.479	17.9893	17.7259	17.7482	20	20	20	20	20	20	20	20
ZCCHC24	Q8NZG6	0.002237	0.000434	0.149842		0.506306	1.10455		14.6693	14.5423	14.8432	14.3431	14.827	14.6567	14.4304	14.4184	2	2	2	2	1	2	2	2
MYL9	P24844	7.05E-05	1.70E-05	0.15012		0.303123	0.721754		20.7365	20.7419	20.9045	20.6986	20.135	21.0982	20.6511	20.6379	12	12	11	10	9	11	10	11
PHF14	Q94880	3.12E-05	7.79E-06	0.150244		0.409024	0.926525		14.8194	14.8391	14.8213	14.8816	15.0057	14.4014	14.4733	14.5897	6	5	6	4	3	2	4	4
YIF1B	Q5BIH7;Q5	2.13E-09	8.41E-10	0.15027		0.364585	0.842251		16.5846	16.5734	17.537	17.7639	17.0007	17.3531	17.317	17.6388	5	5	5	5	5	5	5	5
CTSF3	Q12996	2.87E-19	1.53E-18	0.150435		0.99706	1.9383		15.8489	15.8716	15.7787	15.7081	15.6615	15.7063	15.494	15.8433	17	16	16	16	12	17	18	15
PPP1R7	Q15435	3.27E-14	3.55E-14	0.150509	+	1.38151	2.58405		17.5702	17.6351	17.637	17.5	17.523	17.3063	17.5379	17.4508	23	23	23	21	18	21	21	22
STX18	Q9P2W9	2.60E-16	5.31E-16	0.15053		0.954529	1.86766		16.2777	16.3124	16.3	16.1371	16.1488	16.3293	15.9501	16.1656	10	10	12	12	7	11	10	11
TRIM21	P19474	3.19E-08	1.09E-08	0.15061		0.682728	1.41211		16.0481	16.1236	16.1668	16.1163	16.1714	15.8884	15.7627	15.8726	12	11	12	12	9	11	9	9
DNAJC9	Q9BWX5	1.05E-09	4.36E-10	0.150689		0.405223	0.919399		17.067	17.0754	17.0616	17.2534	16.8063	16.5367	16.8954	17.0948	9	10	10	11	8	9	11	9
C3	P01024	0.004899	0.000877	0.150794		0.328858	0.826817		15.079	14.9266	14.6774	NaN	14.6065	NaN	14.8806	NaN	2	2	2	NaN	1	NaN	1	NaN
ZRANB2	Q95218;O9	7.49E-06	1.99E-06	0.150918		0.580275	1.23539		16.0112	1														

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
CERS6	Q6ZMG9;Q	0.000381	8.34e-05	0.155496		0.114913	0.312164		14.8762	14.4598	14.5745	NaN	14.8131	13.2973	14.6255	15.1895	3	4	5	NaN	2	2	2	2
MTREX	P42285	2.55E-13	2.18E-13	0.155609		1.2221	2.31368		16.1139	16.1896	16.1147	16.1195	15.8884	15.8721	15.9718	16.0673	34	35	33	34	27	31	30	32
PPP1R37	Q75864	5.08E-07	1.53E-07	0.155725		0.271044	0.656687		15.2239	15.0381	14.9998	14.8024	15.4088	14.5211	14.6553	15.2702	5	6	4	4	4	2	2	4
NAPA	P54920	2.43E-17	6.91E-17	0.156068		0.341603	0.797778		18.3252	18.3795	18.3707	18.5534	17.9401	17.7871	18.2914	18.44	19	18	20	19	19	18	19	19
CORO2B	Q9UQ03;Q	8.28E-09	3.04E-09	0.156083		0.39412	0.898498		16.6243	16.6098	16.5645	16.8248	16.391	16.3225	16.0628	16.6162	8	10	12	9	3	7	4	7
GLOO4	Q9HLC38-2	3.44E-09	1.33E-09	0.156146		0.763285	1.54851		17.8309	17.794	17.8457	17.6754	17.4692	17.9014	17.5509	17.7402	19	18	18	18	17	18	18	18
PARP12	Q9H019	0.014333	0.002419	0.156308		0.25986	0.641044		14.7274	15.0268	14.707	14.2078	NaN	15.0634	14.4972	14.8878	3	2	3	1	NaN	2	1	1
CREB1	P16220;P1	1.87E-14	2.19E-14	0.157084		0.896284	1.77085		17.5021	17.462	17.4624	17.3276	17.1726	17.2216	17.3138	17.5566	4	4	4	3	4	4	4	4
CNPY3	Q9B709	2.08E-15	3.26E-15	0.157246		0.373729	0.859977		17.1676	17.1713	17.2291	16.8108	16.8826	17.1677	17.5078	16.7915	11	11	11	11	11	11	10	10
CDC16	Q13042	5.60E-20	3.77E-19	0.157341		0.783808	1.583		15.7084	15.5622	15.6686	15.4894	15.2953	15.6112	15.6743	15.3752	13	12	15	10	11	13	10	10
LMNB2	Q03252	5.34E-09	2.01E-09	0.157522	+	2.0772	3.85907		18.0188	17.9817	17.9388	17.8586	17.7471	17.8226	17.7789	17.904	45	44	46	46	43	45	44	45
NDRG1	Q92597	1.73E-12	1.18E-12	0.157574		0.179576	0.460553		18.4067	18.3951	18.4436	18.6514	18.1289	18.9636	17.4771	18.0667	7	7	7	7	8	7	8	7
EIF4A3	P38919	1.25E-08	4.49E-09	0.157577	+	2.49475	4.73718		17.8276	17.9028	17.8719	17.7219	17.7262	17.6598	17.6639	17.7774	19	19	19	17	20	18	19	18
SAR1B	Q9Y686	4.59E-06	1.24E-06	0.157625		0.79649	1.60427		17.9363	19.5394	19.7457	19.766	19.4086	19.465	19.4515	19.4897	7	8	7	7	8	7	8	7
LYRM4	Q9H034	1.49E-05	3.84E-06	0.157707		0.385137	0.894648		14.5059	14.232	14.3552	14.4891	14.1638	NaN	13.8436	14.3303	1	3	3	2	1	NaN	2	3
CORO1A	P31146	0.00384	0.0007	0.15776		0.20155	0.509323		14.3972	14.375	14.6308	14.7648	14.8592	14.0863	13.623	14.2163	3	3	4	3	2	2	1	3
NUCKS1	Q9H1E3	1.87E-10	8.59E-11	0.15777		0.418438	0.944113		17.2745	17.125	17.2713	16.7601	17.4376	17.2512	16.9709	16.9093	7	6	9	7	6	8	7	7
DAP3	P51398;P5	3.94E-15	5.65E-15	0.158253	+	2.10198	3.90838		13.7655	16.3655	16.3456	16.2642	16.2462	16.2289	16.0963	16.1858	12	13	14	13	10	11	12	12
NUNMBL	Q9Y6R0	9.12E-09	3.33E-09	0.158288		0.913873	1.80011		16.1956	16.1143	16.1922	16.1829	15.9556	16.0547	15.796	16.056	9	9	9	8	6	8	7	9
FBXL20	Q961G2	7.82E-08	2.55E-08	0.158335		0.479715	0.95665		16.0039	15.9196	15.8884	15.4175	15.9407	15.8157	16.0528	15.6682	5	5	5	4	4	4	4	4
XYL1T1	Q8N8U6	1.45E-13	1.32E-13	0.15846		0.34506	0.80451		15.5523	15.4312	15.4474	15.2582	15.1637	15.5529	15.7243	14.8935	11	11	11	9	8	10	9	8
DGAT1	Q75907	4.26E-09	1.63E-09	0.15852		0.258943	0.631695		14.5976	14.6607	14.5407	13.7461	14.4331	14.7773	14.7617	14.4896	3	3	4	4	4	5	4	4
TIME214	Q6NUO4	1.45E-15	2.38E-15	0.15868		1.27059	2.39539		17.2515	17.2293	17.2348	16.9884	16.9677	17.0551	17.2211	17.1569	24	23	22	22	19	24	23	23
NAT14	Q8WUW8	3.24E-08	2.06E-08	0.158823		0.766973	1.55471		16.917	16.8202	16.7542	16.4988	16.7488	16.8969	16.674	16.5397	4	5	5	4	3	5	4	3
MRC2	Q9UBG0	6.26E-17	9.75E-17	0.158979		0.502129	1.09706		17.8929	17.9951	18.0253	17.8342	17.5746	18.1611	17.885	17.6056	28	23	31	30	31	29	30	31
CNO2T	Q9NZN8	2.73E-13	2.31E-13	0.158997	+	1.88412	3.48528		16.2432	16.1615	16.0768	15.9971	15.9958	16.0575	15.927	16.0301	7	9	7	9	5	6	6	6
ZNF512	Q96ME7;Q	0.001326	0.000269	0.159153	+	1.68761	3.12209		15.1527	15.1658	15.1527	14.8596	14.9689	15.0887	15.021	15.0062	7	8	8	7	5	7	7	6
CEBPB	P17676;P1	0.000129	3.01E-05	0.159162		0.454289	1.01034		15.6303	15.5646	15.5963	15.541	15.7552	15.4495	15.0318	15.4119	4	4	5	5	4	3	4	4
ACIN1	Q9UKV3	9.40E-16	1.63E-15	0.159397	+	2.14028	3.98525		16.0461	16.0963	16.111	15.9441	16.0054	15.8587	15.9527	15.8644	25	26	27	25	20	24	24	24
FBX07	Q9Y311	3.71E-08	1.26E-08	0.159609		1.09075	2.09405		16.72	16.6609	16.7501	16.6828	16.5843	16.6188	16.5071	16.3606	7	7	6	5	6	5	6	6
GIT3C2	Q8WUAA	0.000606	0.000129	0.159779		0.656238	1.36682		14.637	14.4064	14.5443	14.2711	14.6728	14.2313	14.3797	14.2924	7	6	8	7	2	5	6	6
SDHA	P31040	4.20E-13	3.36E-13	0.160014	+	1.59182	2.9505		18.0237	18.0622	18.0542	17.9289	17.964	17.9473	17.7487	17.8445	23	23	23	23	20	23	23	21
ORCH1	Q27A18	2.56E-11	1.38E-11	0.160029		1.12493	2.15101		15.4654	15.4643	15.3818	15.3015	15.1631	15.1539	15.4393	15.328	10	7	10	8	7	7	9	10
PKRRA	Q75569	1.52E-11	8.55E-12	0.160201		0.762671	1.54747		16.9113	16.8854	16.9408	16.6174	16.6536	16.9513	16.9291	16.61	9	10	9	8	9	9	9	8
DOB1	Q16531	1.16E-14	1.44E-14	0.160501	+	3.03133	6.04131		18.0508	18.0914	18.0745	17.8477	17.9431	17.9433	17.9349	17.8897	47	51	49	46	44	47	47	46
FUBP1	Q96AE4-2	6.31E-07	1.87E-07	0.160663	+	2.28089	4.27447		18.5139	18.5267	18.5417	18.4653	18.3619	18.3067	18.3217	18.3782	25	24	25	23	24	23	24	25
KIF1B	Q60333-2	3.02E-10	1.34E-10	0.160785		0.352246	0.818455		15.547	15.5751	15.5374	15.9298	15.2546	15.1975	15.1075	15.4726	19	18	18	19	12	13	13	18
FBXW5	Q969U6;Q	0.000446	9.67E-05	0.160906		0.22153	0.567936		14.5988	14.4045	14.5396	14.4848	NaN	NaN	13.8209	14.7545	3	3	4	3	NaN	NaN	2	2
VAMP4	Q75379;Q	1.98E-13	1.74E-13	0.161063		0.594502	1.26021		15.2584	15.0591	15.1972	15.2609	14.8291	15.0398	14.7859	15.1369	3	3	3	3	3	3	3	3
GSK3B	P49841-2	8.01E-16	1.41E-15	0.161264		1.1265	2.15363		16.4944	16.3399	16.3915	16.1349	16.3856	16.2	16.1674	16.3488	13	14	14	13	13	13	14	14
CTSC	P53634	2.34E-14	2.66E-14	0.161302		0.084399	0.233168		15.7602	15.7778	15.6625	13.669	16.2562	15.7369	16.6923	15.5065	10	10	10	8	11	10	11	10
GOSR1	Q95249	3.98E-12	2.50E-12	0.161303		0.539226	1.16319		16.4913	16.5408	16.4909	16.5202	16.0123	16.5713	16.2136	16.4144	6	6	7	6	6	8	8	7
NDUFB10	Q96000	9.00E-13	6.59E-13	0.161383		0.58729	1.24764		16.9933	16.9029	17.0127	16.9868	16.7395	16.4667	16.9495	16.8988	8	8	8	8	7	6	7	7
CTCF	P49711	1.72E-11	9.59E-12	0.16144		1.24366	2.34997		14.1492	14.2218	14.1825	14.065	14.131	13.8328	14.0474	14.0392	5	5	6	5	4	5	5	4
MDH1	P40925;P4	2.90E-09	1.13E-09	0.161535		0.792647	1.59783		19.9792	19.9928	20.0025	19.6593	19.7916	20.0304	19.9825	19.6861	18	19	19	18	17	18	17	19
DHX9	Q08211	2.75E-16	5.48E-16	0.16169	+	1.68121	3.11054		18.7266	18.7281	18.7048	18.6655	18.5629	18.4333	18.5268	18.6022	56	53	55	55	54	53	53	55
POU2F2	P09086;P0	1.12E-07	3.61E-08	0.161986		0.495703	1.08551		14.5039	14.3422	14.1976	14.2769	14.4921	14.1626	13.8743	14.1237	2	2	3	2	2	2	2	2
RASA1	P20936;P2	1.30E-13	1.20E-13	0.162386		0.694325	1.43186		16.654	16.7311	16.6873	16.3684	16.8103	16.3428	16.5498	16.5707	37	38	38	37	35	36	36	37
DERA	Q9Y315	3.57E-20	2.68E-19	0.162513		0.309081	0.733663		16.0115	15.9072	15.8882	15.8304	15.8042	16.1248	15.9519	15.154	13	13	14	13	12	13	13	11
SNRPGP15;SNRPG	ABMW09;J	0.000114	2.68E-05	0.162911		0.266006	0.646312		19.2167	19.3041	19.5061	19.5127</												

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
JMJD8	Q96S16;Q9	0.011057	0.001888	0.167954		0.257092	0.62785		15.4589	15.6666	15.5269	15.5638	14.8609	15.8586	15.6634	14.9676	3	3	2	1	1	3	4	1
TOP2B	Q02880;Q0	2.22E-15	3.45E-15	0.168175		1.2556	2.37009		16.2765	16.3078	16.2863	16.1005	16.3259	16.0232	16.0597	16.1008	51	50	50	49	44	47	47	48
ABL1	P00519;P0	0.000691	0.000146	0.168214		0.546091	1.17533		14.8328	14.7511	14.8465	14.7544	14.8857	14.5337	14.2828	14.753	5	6	5	6	4	5	3	3
ZFY;ZFYZ;ZFY;ZFX;ZFX	P08048;P0	0.002385	0.000458	0.16849		0.251888	0.617003		14.1381	14.0182	13.9683	13.6322	14.5967	13.882	13.3812	13.8733	2	2	2	2	1	2	1	2
TM1HE	Q9NVH6;Q0	0.001149	0.000235	0.168565		0.239331	0.590625		14.4016	14.3067	14.1991	14.0198	13.5529	14.867	14.0552	14.1746	3	2	4	2	2	4	3	2
ELP6	Q0PNE2	0.000824	0.000172	0.168588		0.434109	0.973205		14.7811	14.7482	14.7714	14.5611	14.74	14.8332	14.1102	14.7472	7	8	7	4	4	4	5	7
VBP1	P61758	1.31E-09	5.33E-10	0.168797		0.6531	1.36144		17.487	17.5163	17.4921	17.5845	17.0782	17.1573	17.4026	17.4258	10	10	10	10	8	10	10	10
ATRX	P46100	7.68E-08	2.51E-08	0.168863		1.0178	1.92725		15.0705	15.0718	14.9971	14.9443	15.0639	14.684	14.8615	14.8344	12	12	10	7	7	7	8	9
TCERG1	O14776;O1	7.36E-13	5.50E-13	0.16912	+	2.43916	4.61409		16.353	16.4134	16.3978	16.2156	16.2862	16.1371	16.1984	16.2575	29	34	30	30	27	26	29	24
EXOSC1	Q9Y382	9.62E-06	2.53E-06	0.169258		0.59353	1.25851		15.9696	15.9495	15.9577	15.8152	16.0158	15.5271	15.592	15.9982	6	7	6	7	4	6	5	6
BABAM1	Q9NWW8	1.38E-10	6.50E-11	0.169658		0.484575	1.06544		16.007	15.9732	16.0605	15.9226	15.4732	16.1991	15.8818	15.7429	9	8	8	8	7	8	9	8
UBA5	Q9GZ29	6.76E-08	2.22E-08	0.170293	+	1.12733	2.15501		17.2406	17.2571	17.2991	17.0308	16.9651	17.3101	17.107	17.0635	8	8	8	7	7	7	7	8
SNRPD1	P62314	3.77E-11	1.96E-11	0.170439		1.37258	2.56877		18.5892	18.6511	18.565	18.3729	18.6129	18.3647	18.3632	18.4428	4	4	4	5	5	4	5	5
XAB2	Q9HCS7	4.58E-09	1.74E-09	0.170468	+	1.8005	3.32878		14.9647	14.9379	14.9893	14.8247	14.8577	14.6794	14.7326	14.8733	15	15	16	13	11	10	14	13
RPA2	P15927;P1	1.02E-10	4.86E-11	0.170556		0.919705	1.8098		16.6823	16.803	16.8404	16.5648	16.5334	16.4555	16.8431	16.6266	5	5	5	5	5	5	5	5
IARS1	P41252	7.16E-11	3.52E-11	0.170658		0.303393	0.722295		17.7584	18.7818	18.7302	18.2591	18.3556	19.1061	18.9176	18.2922	56	57	56	54	56	56	56	56
DARS1	P14868	1.48E-08	5.27E-09	0.170721		1.05846	2.04031		18.8522	18.8994	18.8027	18.5218	18.696	18.8951	18.653	18.6377	36	35	36	35	37	35	36	35
GGCX	P38435	9.14E-15	1.17E-14	0.170867		0.638593	1.33651		16.8504	16.8005	16.7838	16.6249	16.6671	16.3541	16.9525	16.6215	10	9	9	10	9	9	10	10
GNL3	P08754	2.18E-14	2.51E-14	0.171209	+	2.4936	4.73462		16.8256	16.892	16.7631	16.701	16.69	16.6136	16.6182	16.6557	7	7	7	7	7	7	7	7
DRAP1	Q14619;Q1	4.00E-06	1.09E-06	0.171214		0.930008	1.93157		17.2566	17.3968	17.3262	17.2382	17.2217	16.9571	17.2956	16.9571	6	6	6	6	6	6	6	6
UBA2	Q9UB72	4.23E-13	3.38E-13	0.171243	+	1.89316	3.50238		17.0183	17.0682	17.1075	17.0001	16.8036	16.9333	16.8535	16.8766	25	24	26	25	26	25	26	23
RMBS2	Q5T8P6;Q5	8.80E-10	3.67E-10	0.17142	+	3.65084	7.86596		14.7815	14.8211	14.8175	14.6489	14.6097	14.6064	14.6863	14.6251	18	18	19	16	14	19	16	16
NIN519	Q96T76;Q5	2.51E-14	8.21E-14	0.171424	+	3.19507	6.48674		16.3345	16.3197	16.3114	16.1842	16.1631	16.1194	16.1938	16.1938	28	29	29	27	27	28	28	28
PITRM1	Q5JRX3	5.07E-19	2.48E-18	0.171608		0.684361	1.41489		16.9126	16.9094	16.8963	16.984	16.4867	16.695	16.613	16.8938	37	36	37	35	39	37	38	38
FAM126A	Q98YJ3;Q9	2.34E-11	1.27E-11	0.171794		0.511268	1.11343		15.7088	15.7143	15.5875	15.0753	15.6076	15.7527	15.5368	15.5197	6	7	6	6	4	6	5	6
RDH11	Q8TC12	1.03E-08	3.75E-09	0.172059	+	1.40101	2.61751		17.5513	17.5362	17.5464	17.4188	17.5014	17.3114	17.4144	17.2168	11	11	11	11	11	11	11	11
MNRP134	Q98048	0.002287	0.000442	0.172361		0.23029	0.57144		16.0169	15.9571	16.0455	16.1581	15.8565	14.9557	16.08	16.1203	2	2	2	2	2	2	2	2
GTPBP1	Q00178	3.58E-11	1.87E-11	0.172447	+	1.74005	3.21747		16.5578	16.5754	16.5593	16.3436	16.5229	16.3321	16.4461	16.3137	12	12	12	12	11	12	12	12
YY1	P25490	0.000309	6.84E-05	0.17255		0.674649	1.39832		16.5381	16.7524	16.3943	16.6006	16.4561	16.1783	16.2832	16.4272	4	3	2	2	3	3	3	3
RMND1	Q9NWS8	1.37E-12	9.56E-13	0.17266		0.563513	1.20602		16.1125	16.0868	16.0922	15.5281	16.1168	16.0434	15.8713	16.0628	5	6	6	4	5	6	5	4
NXBR4	Q9BRK3;Q0	3.00E-06	8.28E-07	0.172681		0.455518	1.01259		17.4113	17.4594	17.41	17.6953	17.093	17.0287	17.0647	17.3894	16	16	16	16	14	15	15	16
FBL	P22087	4.18E-12	2.61E-12	0.172774	+	1.34945	2.52925		17.5644	17.5536	17.4431	17.1639	17.3739	17.4226	17.3929	17.3847	17	18	17	17	15	17	16	16
PIE	Q9UNP9;Q0	0.000139	3.24E-05	0.17288		0.828949	1.6586		16.0159	16.1599	16.1902	15.989	15.6969	15.8989	16.0438	16.117	3	5	5	6	3	5	4	2
SMAD3	P84022;P8	2.23E-14	3.52E-14	0.172905		0.650042	1.35619		16.8189	16.8081	16.8717	16.8692	16.7607	16.7272	16.3117	16.6311	7	9	8	8	8	5	7	7
EEF1AKNMT	Q8N6R0	2.22E-09	8.75E-10	0.173004		0.679031	1.4058		15.3766	15.5042	15.4092	15.3559	15.5133	15.2867	14.9899	15.1391	17	14	11	14	15	15	14	15
NCKIP5D	Q9NZ03;Q0	3.05E-12	1.96E-12	0.173047		1.22551	2.31942		15.4835	15.5028	15.5185	15.947	15.2177	15.336	15.4697	15.4307	7	9	8	7	8	7	7	6
TFCP2	Q12800;Q1	2.39E-09	9.39E-10	0.173093	+	1.42514	2.65904		15.8176	15.8716	15.7536	15.5599	15.807	15.5694	15.661	15.6086	10	10	10	10	7	10	10	8
CLIC1	O00299	1.20E-12	8.49E-13	0.173162		0.804378	1.61749		21.146	21.1309	21.2224	21.0901	21.2004	20.7457	20.9031	21.0236	15	15	15	14	15	15	14	15
PSMD14	O00487	4.40E-08	1.36E-08	0.173206		0.809202	1.62557		18.0143	18.0452	17.9697	18.0394	17.9697	18.0116	17.6813	17.7707	8	9	8	9	8	8	10	9
GRHRP	Q9UBQ7	2.56E-24	7.58E-23	0.173251		0.231709	0.574462		17.9854	18.0533	18.023	16.9869	18.2248	18.2087	17.9113	17.905	15	14	13	11	13	12	13	13
KHDRBS1	Q07666	5.50E-09	2.00E-09	0.173257		0.739906	1.5091		17.9697	17.9544	17.9758	18.046	17.5471	17.8746	17.6685	17.8306	12	11	10	11	12	10	10	11
NME3	Q13232	1.37E-10	6.43E-11	0.173293		0.470647	1.04019		16.3276	16.3205	16.3078	15.8816	16.1107	16.0432	16.6201	16.0711	6	7	6	5	4	4	6	4
BCAS2	Q75934	4.88E-08	1.63E-08	0.173648		1.14839	2.19017		15.7721	15.7333	15.8672	15.729	15.7271	15.4283	15.5866	15.6151	10	10	10	9	7	9	10	10
LRSAM1	Q6UW60;Q0	4.88E-16	9.01E-16	0.173736		0.966148	1.88696		15.5029	15.5319	15.4469	15.4349	15.0838	15.3913	15.4357	15.2552	20	20	19	19	12	16	16	17
PRPF4	O43172;O4	7.47E-09	2.76E-09	0.173838	+	1.51395	2.8133		16.0081	16.0191	16	15.961	15.894	15.6838	15.8146	15.8227	19	18	19	18	17	18	18	18
ESF1	Q9H501	8.23E-09	3.03E-09	0.173866		0.238482	0.588829		13.9565	14.0982	14.193	14.4074	13.9991	13.8906	14.394	13.4523	3	5	3	6	3	2	5	1
BTAF1	O14981	3.94E-11	2.03E-11	0.173968	+	1.362	2.55068		14.7702	14.7651	14.7919	14.5396	14.5473	14.7853	14.636	14.5005	20	22	19	8	18	14	11	11
AHDC1	Q5TGY3	0.007469	0.001304	0.174059		0.087673	0.243629		15.4708	15.4249	15.2276	14.2096	16.7333	14.2723	NaN	15.5863	1	2	1	1	1	2	NaN	1
CMTR1	Q8N1G2	2.45E-11	1.32E-11	0.174451		1.12061	2.14381		15.1572	15.2289	15.1521	15.1447	14.9221	14.8899	14.9128	15.1555	14	17	19	16	11	16	11	11
FIG4	Q92562	0.000799	0.000167	0.174571		0.453952	1.00972		15.4951															

Gene names	UniProt IDs	Protein Group P- value	Protein Group Q- value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p- value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
TRIM28	Q13263	1.51E-09	6.12E-10	0.179203	+	1.44466	2.69276		18.2853	18.2874	18.2603	18.0779	18.2662	17.9557	18.0819	18.1106	27	25	27	24	24	24	23	25
MAP7D3	Q8IWC1.Q	1.26E-06	3.61E-07	0.179303		0.703203	1.44695		14.8475	14.9434	14.7617	14.768	14.6342	14.5753	14.4298	14.9505	8	10	9	8	5	9	6	10
GPX4	P36969.P3	1.93E-08	6.77E-09	0.179715		0.295608	0.706657		16.7925	16.7798	16.7291	16.4209	16.7797	17.1919	16.4921	16.0525	12	12	12	12	12	11	12	12
C2orf49	Q9BVC5.Q3	1.24E-05	3.22E-06	0.179981		0.466933	1.03343		14.1384	14.1778	14.2069	14.1684	13.7473	13.5983	14.1634	14.2677	2	2	2	2	1	2	2	2
GGH	Q92820	1.24E-10	5.87E-11	0.180017		0.355314	0.824389		16.5951	16.5003	16.5245	16.5223	16.8989	16.1417	16.2772	15.9596	11	11	11	9	9	10	9	9
STK11	Q15831.Q1	0.000518	0.000111	0.180208		0.770859	1.56125		14.9798	14.8534	14.9014	14.7543	14.4613	14.8557	14.4613	14.642	5	6	6	5	4	5	2	3
SARNP	R82979	1.59E-07	5.05E-08	0.181		0.774066	1.56664		18.0497	18.0567	18.0594	17.9748	18.1254	17.7079	17.6549	17.9084	10	9	10	9	10	9	9	9
ACA2	P42765	6.00E-10	2.55E-10	0.181056		0.722488	1.47965		17.7339	17.7225	17.6915	17.659	17.3523	17.7288	17.2775	17.6568	14	14	14	13	13	15	14	14
PAXBP1	Q9V5B6	0.002781	0.000524	0.181115		0.952813	1.86481		14.6119	14.7546	14.7278	14.7112	14.653	14.4435	14.3852	14.392	5	4	3	5	3	3	3	3
HNRNPA3	P51991	1.39E-09	5.65E-10	0.181212		1.11896	2.14106		19.2867	19.3937	19.4378	19.2465	18.9607	19.2856	19.2332	19.2318	20	20	20	20	19	20	19	19
FAM120A	Q9NZB2.Q8	1.55E-18	6.35E-18	0.181767	+	2.17597	4.0576		17.2523	17.3054	17.2631	17.0153	17.1061	17.157	17.1635	17.0173	40	41	40	39	38	40	38	39
TAI15	Q92804.Q8	1.11E-07	3.59E-08	0.181788		0.528362	1.14391		18.668	18.7343	18.7987	18.6955	18.1703	18.8033	18.6969	18.3935	8	8	7	8	7	8	8	7
GLUL	P15104	1.26E-10	5.94E-11	0.18191		0.327298	0.769755		16.1526	16.1723	16.2082	16.4499	15.9165	15.6644	15.5846	16.3635	10	10	9	10	8	8	9	8
BAZ1B	Q9UIG0.Q5	3.18E-10	1.40E-10	0.18216		1.10229	2.11327		15.4937	15.4925	15.5253	15.5162	15.3382	15.1211	15.269	15.3639	29	27	30	29	19	21	22	22
HTATIP2	Q9BUP3.Q1	2.05E-08	7.15E-09	0.18225		0.238324	0.588495		15.6937	15.8989	15.8785	15.3388	15.5541	16.0802	16.2337	15.0004	8	9	9	6	4	8	9	6
NME4	O00746	0.000282	6.29E-05	0.18241		0.399629	0.908884		14.1804	14.0572	13.966	13.4871	14.2684	13.6341	14.1327	13.905	4	5	4	4	3	3	4	4
NPM3	Q75607	9.00E-08	2.91E-08	0.182538		0.983292	1.91543		16.5348	16.5466	16.5381	16.4712	16.4904	16.4594	16.1803	16.1851	2	2	2	2	2	2	2	2
HMG64	O00479	0.009462	0.001628	0.182843		0.343537	0.801547		16.7996	16.5001	16.2817	16.1747	16.7697	16.4566	16.4432	15.8772	1	1	2	1	1	1	1	1
CAND1	Q86V66	1.06E-13	9.98E-14	0.182889		0.805394	1.61919		18.7257	18.7212	18.6873	18.277	18.4654	18.7382	18.6948	18.4671	53	53	54	51	50	52	53	54
NDUFC2	Q95299	9.59E-06	2.52E-06	0.182938		0.318682	0.752744		16.228	16.1013	16.3932	16.4908	15.846	15.4885	16.1856	16.2786	8	8	8	8	8	6	7	8
NADK2	Q46G04	7.06E-13	5.29E-13	0.183062		0.493441	1.07964		15.3341	15.308	15.2278	14.8119	15.0822	15.5177	15.23	14.8928	14	15	15	13	11	16	11	13
SNX2	Q60749	2.26E-13	1.95E-13	0.183236		1.27825	2.40835		17.4565	17.5008	17.4745	17.1652	17.3332	17.4376	17.3732	17.1559	25	25	25	24	20	25	25	22
AIP	O00170	3.38E-16	6.56E-16	0.183551	+	1.5685	2.90921		17.4514	17.4765	17.4975	17.1558	17.3908	17.3703	17.3353	17.2058	14	15	15	14	14	15	14	14
DIAPH2	Q60879.O6	1.41E-12	9.81E-13	0.183906		0.560925	1.20147		16.1864	16.2096	16.1404	15.7515	16.3447	16.0822	15.7351	16.061	24	25	27	20	15	20	16	21
SLY	Q96115	0.009409	0.001619	0.184094		0.163463	0.428182		16.0048	15.5721	15.8393	16.0888	14.6059	16.1067	15.6838	NaN	3	3	3	3	2	2	2	NaN
GATD3B/GATD3A	A0A084I20	5.45E-07	1.64E-07	0.184129		1.20364	2.28269		16.6573	16.6774	16.6614	16.5815	16.3151	16.6486	16.3977	16.4633	13	13	14	13	11	14	11	11
STMN1	P16949	9.94E-09	1.87E-09	0.184152		0.270784	0.656151		20.8157	20.7567	20.7305	20.7298	21.1402	19.868	20.7294	19.868	10	9	9	7	8	8	8	10
PXMP4	Q9Y618	0.004118	0.000746	0.184294		0.450467	1.00333		16.1845	16.1141	15.8826	15.492	16.0217	15.648	16.1112	16.1076	4	4	4	3	3	3	4	4
BUD31	P41223	1.05E-13	9.92E-14	0.184619	+	4.92169	13.1424		16.7279	16.7482	16.7449	16.5289	16.5716	16.5616	16.5364	16.5802	9	9	9	8	9	10	8	8
NRE11	P49959.P4	9.97E-05	2.36E-05	0.184674		0.915173	1.80227		16.4715	16.4875	16.4949	16.0748	16.5068	16.2268	16.2596	16.4318	16	16	16	16	13	17	17	15
SET	Q01105	0.000343	7.55E-05	0.184704		2.58922	4.95114		19.2947	19.3103	19.3679	19.1956	19.1214	19.1085	19.2034	19.0782	10	10	11	8	6	9	8	10
PPP2R1A	P30153	2.25E-13	1.94E-13	0.184821		1.16345	2.21535		19.0019	18.9547	18.9932	19.0308	18.6885	18.754	18.705	18.8143	24	24	24	24	24	24	24	24
AGTPBP1	Q9UPW5.Q	0.00976	0.001677	0.184885		0.266896	0.648149		13.6442	13.2764	13.4075	13.8258	12.8893	13.3774	12.697	13.4999	1	2	1	1	1	1	1	1
SARAF	Q96B79	1.12E-07	3.60E-08	0.184962		0.523081	1.13452		14.3971	14.3051	14.2427	13.7748	14.3791	13.9347	14.1937	14.3678	4	3	4	2	4	2	3	4
HS2ST1	Q7LGA3	1.36E-07	4.34E-08	0.185231		0.942298	1.84735		16.145	15.9262	15.8855	15.8306	15.5962	15.8334	15.7695	15.9721	4	7	5	5	5	5	4	5
FOSL2	P15408.P1	0.001848	0.000365	0.185242		0.269694	0.661741		13.683	13.8298	13.8438	NaN	13.3873	13.0663	13.8214	14.126	2	1	2	1	NaN	1	1	2
CBX1	P83916	5.96E-10	2.53E-10	0.185343		0.868448	1.7245		16.0942	16.2737	16.2559	16.0175	16.059	15.7593	16.2186	16.0585	5	5	5	6	6	5	4	5
USP48	Q86LV5	6.29E-12	3.81E-12	0.185446		0.811442	1.62932		15.0364	15.0554	15.0637	14.7925	15.0288	14.5804	14.887	15.0433	14	14	13	12	11	7	13	10
POLR2K	P53803	0.006907	0.00121	0.185569		0.079663	0.222932		13.1507	12.5621	12.3274	12.5564	14.6222	NaN	11.287	12.699	1	1	1	1	1	NaN	1	1
PHLD1A	Q8WV24	8.93E-09	3.27E-09	0.185638		0.209248	0.526139		16.6499	16.5052	16.4355	17.0403	16.3668	15.4917	16.6909	16.1332	2	2	2	2	2	2	2	2
KDM1A	O60341.O1	1.45E-12	1.00E-12	0.185742		1.08842	2.09016		15.6086	15.6639	15.5733	15.4706	15.582	15.2173	15.3536	15.5241	19	20	20	17	16	18	17	17
GNAS	P63092.P6	8.99E-18	3.19E-17	0.185903		0.917556	1.80623		18.2985	18.2486	18.2577	17.8946	18.0497	18.3033	18.2097	17.9543	16	15	16	15	14	15	15	14
TIMM44	O43615	2.89E-15	4.32E-15	0.185908		1.11321	2.31347		17.1225	17.1317	17.119	16.8553	16.8073	17.1714	17.0052	16.8865	21	21	22	21	19	19	20	19
TARDBP	Q13148	5.43E-06	1.46E-06	0.186282	+	1.74376	3.22426		18.5573	18.6895	18.6501	18.561	18.3609	18.4316	18.3768	18.4997	8	9	7	8	7	7	8	7
HAUS5	Q724H7	0.010023	0.001719	0.18629		0.270554	0.655678		14.5925	14.1621	14.5707	13.8815	14.7866	13.713	14.4517	14.4445	3	4	3	2	3	2	2	2
SNW1	Q13573	2.16E-16	4.57E-16	0.1866	+	2.25002	4.21001		16.1986	16.1955	16.1523	16.0191	15.9974	15.9496	15.9112	16.1003	20	20	20	17	18	18	17	19
SAFB	Q15424.Q1	8.34E-05	1.99E-05	0.186777		0.705481	1.45082		16.1876	16.1428	16.0417	16.1179	16.0568	16.0008	15.5848	15.9259	10	9	10	8	5	7	9	6
SRSF4	Q08170	7.77E-15	1.01E-14	0.186795		0.85526	1.70252		15.4173	15.4151	15.3249	15.0576	15.3006	15.3877	15.287	14.962	5	4	5	5	4	5	5	4
HNRNPK	P61978.P6	3.27E-08	1.12E-08	0.186827	+	1.66311	3.0779		20.7257	20.654	20.6731	20.4718	20.6053	20.4401	20.3783	20.5919	26	25	27	26	25	25	25	25
TRIR	Q9B061	0.001461	0.000295	0.186842		0.157143	0.40949		14.8338	14.9519														

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control 1	Log2 MS2_quantity_ Control 2	Log2 MS2_quantity_ Control 3	Log2 MS2_quantity_ Control 4	Log2 MS2_quantity_ Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
PDE6D	O43924	6.28E-10	2.66E-10	0.192849		0.444096	0.991628		16.479	16.4084	16.5272	16.7982	15.9932	16.3107	16.0222	16.2692	3	3	3	3	3	3	3	3
COL2A1	P02458	0.000164	3.79E-05	0.193011		0.116312	0.312763		18.3773	18.4035	18.506	17.5775	17.3157	19.6141	19.0694	17.6029	5	5	5	8	6	5	7	7
METAP1	P53582	5.67E-14	5.79E-14	0.193167		0.721526	1.47802		17.0234	17.0141	16.9834	17.0426	16.597	16.8324	16.585	17.0119	13	13	13	13	13	13	13	13
PPM1A	P35813.P3	2.19E-22	3.09E-21	0.193189		0.701563	1.44416		15.9564	16.0335	15.974	15.856	15.4454	16.0549	15.8546	15.7631	11	9	11	9	9	10	10	10
STK3	Q13188.Q1	2.39E-08	8.30E-09	0.193194		0.703875	1.44809		15.9588	15.5017	15.5736	15.3329	15.0204	15.5322	15.5826	15.3562	11	12	11	11	9	11	10	11
FERM1T2	Q96AC1.Q8	5.54E-20	3.76E-19	0.193211		0.287394	0.690055		18.1254	18.1075	18.1224	17.802	17.299	18.5591	18.1647	17.8014	34	34	35	33	34	35	33	32
TACC1	O75410.O1	3.06E-06	8.46E-07	0.193254	+	1.3019	2.44839		15.2644	15.2628	15.3037	15.0165	15.0187	14.961	15.291	15.1313	21	23	22	17	18	19	18	20
ITPR2	Q14571	0.000182	4.16E-05	0.193581		0.433921	0.988732		14.8332	14.6795	14.9372	14.9708	NaN	14.2427	14.7594	14.5192	8	9	8	5	NaN	3	5	5
ACADS8	P45954	2.35E-09	9.25E-10	0.193626		0.700668	1.44264		15.7464	15.6967	15.6555	15.2255	15.8464	15.444	15.4993	15.5145	11	12	12	11	11	10	11	9
EIF2S1	P05198	2.36E-17	6.74E-17	0.193843		1.01387	1.96621		15.8551	18.5735	18.5703	18.3877	18.1634	18.6154	18.431	18.3146	25	25	25	26	25	24	25	25
EXOSC6	Q5RKV6	0.00081	0.000169	0.193924		0.400458	0.910445		15.7854	15.6571	15.7729	15.821	15.6234	14.9692	15.4778	15.8314	10	9	10	10	9	6	10	9
CPSPF	Q16630.Q1	7.99E-08	2.60E-08	0.194161	+	2.49873	4.74607		17.1694	17.205	17.1874	17.0448	17.0663	16.9949	16.8971	16.9624	12	11	11	12	10	11	11	10
NELFA	Q9H3P2	3.23E-08	1.11E-08	0.194246		0.812618	1.63129		15.4341	15.3857	15.4296	15.2651	15.4815	15.0091	15.0368	15.3183	6	6	8	6	5	5	6	5
STAROS	Q9NSY2	5.76E-06	1.55E-06	0.19442		0.272638	0.659959		15.7378	15.782	15.8227	14.7952	16.0928	15.5939	15.5641	15.886	3	3	2	3	2	3	2	3
PRAF2	O60831	3.09E-10	1.37E-10	0.194478		0.406862	0.922474		18.7822	18.7189	18.7018	18.3105	18.1122	18.709	19.0218	18.5456	5	5	5	5	5	4	5	5
PPP3CB	P16298.P1	0.00033	7.28E-05	0.194536	+	1.494	2.77845		16.3499	16.4744	16.3717	16.3443	16.2107	16.1544	16.057	16.254	4	4	4	4	5	4	6	6
POLR2B	P30876	2.94E-13	2.47E-13	0.194682		2.63779	5.06356		15.9249	15.9781	15.97	15.7878	15.827	15.7675	15.662	15.7704	36	37	39	34	31	36	33	34
UBE2L6	Q14933	1.07E-07	3.46E-08	0.194751		0.635305	1.330085		16.67	16.3353	16.6934	16.0498	16.4006	16.5846	16.4734	16.3489	8	8	6	6	5	6	7	6
GNB1L	Q9BY84	6.18E-07	1.84E-07	0.194828		2.0749	3.85449		15.2967	15.1802	15.1135	14.9674	15.0398	14.9333	15.0667	15.0027	10	10	9	9	9	10	10	9
RPRD2	Q5V52.Q5	2.56E-24	7.58E-23	0.195137	+	2.36909	4.4618		14.972	14.9154	14.9044	14.7202	14.6927	14.8131	14.7986	14.7986	12	11	11	10	9	9	11	9
SBF2	Q86W65	1.47E-05	3.78E-06	0.195469		0.954999	1.86844		15.1245	15.1268	15.155	14.7624	14.8547	15.0682	14.8367	15.178	11	11	13	7	4	8	8	4
VDAC3	Q9Y777	2.95E-10	1.31E-10	0.195623	+	2.07015	3.84509		15.0123	19.0907	19.0658	18.8516	18.808	18.9983	18.8474	18.798	10	10	10	9	10	10	10	10
SPG21	Q9NZD8	2.37E-06	6.61E-07	0.195645		1.2115	2.29588		16.3365	16.3855	16.3935	16.1332	16.1536	16.3222	16.2679	15.9553	7	6	9	6	5	6	8	6
LAMTOR2	Q9Y7Q5.Q8	2.46E-07	7.68E-08	0.195738		0.439819	0.983749		16.5147	16.3963	16.4133	16.2312	16.2914	15.7585	16.2574	16.69	5	5	5	4	4	3	5	5
GDH1	Q9NZC2	2.28E-14	2.61E-14	0.195743		0.650872	1.35762		15.1911	15.1911	15.2806	14.7507	15.1961	15.1053	15.3613	14.9235	7	5	5	3	2	4	3	4
LYRM7	Q5USX0	0.000167	3.83E-05	0.195798		0.152667	0.399133		14.9908	15.0708	15.1662	15.6677	14.7608	13.6475	14.7271	15.5975	6	5	5	4	3	2	4	3
NCOA5	Q9HCD5	9.87E-06	2.59E-06	0.195961		0.837548	1.67296		15.6577	15.7144	15.677	15.6091	15.6587	15.275	15.2778	15.6283	9	7	9	9	9	8	6	8
NTPCR	Q9BS07	6.82E-09	2.53E-09	0.196804		0.404715	0.918446		17.0753	17.1168	17.1158	16.7193	17.276	16.7916	17.2763	16.4661	10	9	9	9	9	9	9	8
PCF1	Q9HAZ3	3.08E-22	4.11E-21	0.196851		0.978828	1.98082		14.5485	14.6947	14.6761	14.436	14.6547	14.4969	14.427	14.2	8	7	5	4	6	6	5	8
DYNLT3	P51808	4.63E-21	4.69E-20	0.197193		0.577278	1.23015		17.0212	17.0271	16.9851	16.7332	17.1834	16.4423	16.8336	16.8972	4	3	3	3	3	3	4	3
SUCLG1	P53597	2.19E-10	1.00E-10	0.197276	+	2.66253	5.12149		17.6995	17.7913	17.6943	17.5563	17.5716	17.5719	17.4541	17.5015	9	8	9	9	9	9	9	9
PHF8	Q9UPP1.Q1	0.00276	0.00052	0.19743		0.715446	1.46772		14.3156	14.3356	14.4082	14.2349	14.496	13.917	14.024	14.1067	2	1	2	1	2	2	2	1
TMA16	Q96EY4	0.001731	0.000344	0.197653		0.300221	0.715935		14.8558	15.0785	14.8355	14.603	14.0024	15.1059	15.0809	14.8359	4	4	4	2	2	4	4	3
KLHL142	Q9ZPK6	6.05E-14	6.12E-14	0.197669		1.05086	2.02768		16.2906	16.1825	16.3716	15.8267	16.1006	16.1951	16.1778	16.1193	6	6	5	3	4	3	5	4
MBD4T2	Q6ZW77	2.40E-07	7.50E-08	0.197721		0.195867	0.496823		15.1341	15.4149	15.3855	15.8721	14.6757	15.3116	14.2248	15.4848	3	5	6	7	5	6	3	6
SARM1	Q6SZW1	8.16E-07	2.40E-07	0.197782		0.460525	1.02175		15.2826	15.3124	15.3586	14.98	14.8471	15.3777	15.5485	14.8471	10	12	12	12	4	12	11	9
SRPK2	P78362.P7	6.03E-10	2.56E-10	0.197821	+	1.60914	2.98129		15.8699	15.7974	15.8085	15.7158	15.7709	15.5419	15.5498	15.5606	12	12	12	12	11	12	11	11
PRRX2	Q99811	0.001017	0.000209	0.197923		0.133844	0.35494		13.4058	13.3535	13.8306	14.1994	11.7984	13.4492	13.3916	13.8215	2	2	2	2	1	1	1	2
STK38L	Q9Y2H1	0.000881	0.000183	0.197945		0.685867	1.41746		15.5402	15.6503	15.6012	15.0647	15.5539	15.6669	15.387	15.324	4	5	5	6	4	4	4	4
SRF1	Q07955	3.83E-15	5.54E-15	0.198142	+	0.403554	9.21488		20.106	20.1509	20.1384	19.966	19.884	19.9217	19.9533	19.9431	7	15	15	16	15	15	16	15
DNAJC21	Q5F186.Q5	3.67E-14	3.95E-14	0.198207		1.23585	2.33682		14.9731	14.9776	14.9675	14.9881	14.6142	14.6921	14.8234	14.7549	15	17	9	8	5	7	9	7
ANKFY1	Q9P2R3	1.67E-13	1.49E-13	0.198499	+	2.6451	5.08063		17.0217	17.0683	17.0577	16.7733	16.8389	16.8778	16.822	16.9417	32	32	33	33	29	30	31	34
LCLAT1	Q6UWP7.Q1	4.09E-07	1.24E-07	0.198695		0.942378	1.84748		15.563	16.6184	16.6633	16.1881	16.4599	16.2858	16.5076	16.6285	8	8	9	6	5	7	8	8
EFTUD2	Q15029	3.54E-17	9.63E-17	0.198828	+	3.74376	8.17505		18.4345	18.4716	18.4237	18.2771	18.2846	18.197	18.2236	18.2399	43	43	41	43	42	41	39	42
DHDKD1	Q96HY7	8.42E-16	1.47E-15	0.199231	+	1.71127	3.16499		15.4086	15.3615	15.2865	14.9911	15.2189	15.1416	15.2233	15.19	6	6	6	4	4	4	4	3
CDC71L	Q8N922	0.000989	0.001568	0.199318		0.645914	1.3491		14.4325	14.6593	14.7555	14.5451	14.8485	14.0423	14.4629	14.5936	1	1	1	1	1	1	1	2
SLC35D1	Q9NTN3	1.68E-08	5.95E-09	0.199356		0.249082	0.611134		14.9529	14.6496	15.0719	15.1717	13.3465	15.0836	14.7214	14.6374	1	1	1	1	1	1	1	1
PRMT3	O60678	0.002128	0.000415	0.19941		1.13444	2.16689		15.0062	14.9488	14.9201	14.7363	14.9367	14.7039	14.8691	14.5488	7	8	8	6	5	6	6	6
PHF3	Q92576.Q9	0.000152	3.53E-05	0.199469	+	1.78781	3.30529		14.0515	13.9931	14.1602	13.8721	13.8146	13.9843	13.9005	13.7724	4	4	5	4	2	2	2	4
CDC90B	Q9GZT6.Q9	0.002163	0.000421	0.199475		0.521699	1.13206		14.6616	14.6482	14.5891	14.6045	14.0817	14.157	14.5832	14								

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
IDH3G	P51553;P5	2.97E-11	1.58E-11	0.205527	+	2.54714	4.85508		16.5753	16.5821	16.527	16.3693	16.4415	16.309	16.2695	16.3903	12	11	12	12	11	12	12	12
ANXA7	P20073;P2	5.06E-11	2.57E-11	0.205892	+	1.50244	2.79317		19.1239	19.2157	19.1639	18.9112	19.0283	19.1046	18.7905	18.9752	19	19	18	19	17	19	19	19
AFG3L2	Q9Y4W6	5.00E-14	5.18E-14	0.206181	+	1.58145	2.93211		15.8199	15.8215	15.7967	15.4421	15.5599	15.7486	15.6826	15.5996	25	28	27	25	26	25	23	23
SNRNP200	Q75643	8.42E-19	3.75E-18	0.206234	+	2.72705	5.27467		16.9431	16.9999	16.999	16.8028	16.6758	16.755	16.8278	16.8099	79	80	80	82	73	73	80	76
RIDA	P52758	2.73E-10	1.22E-10	0.206414		0.546673	1.17636		17.0551	17.0025	16.9813	17.1067	16.3601	16.7381	16.799	17.0288	3	3	4	4	3	3	3	3
BCKDHA	P12694	0.000309	6.86E-05	0.206416		0.427582	0.961116		16.3301	16.3963	16.3492	15.8324	15.8513	16.6716	16.3591	16.0463	6	7	6	5	2	5	5	5
RNA5H2A	Q75792	4.77E-06	1.29E-06	0.206571	+	1.42493	2.65868		16.3623	16.2658	16.3938	16.1713	16.318	16.005	16.1261	16.05	6	6	8	7	7	5	6	6
SCAF1	Q9H7N4	1.18E-12	8.41E-13	0.206645		0.651728	1.35909		14.6635	14.6432	14.7605	14.8106	14.2248	14.27	14.3825	14.3907	3	3	5	3	3	4	3	3
NOC2L	Q9Y319	4.07E-13	3.27E-13	0.206824	+	2.27186	4.25555		16.1232	16.0699	16.0892	15.9243	15.824	15.966	15.783	15.939	15	15	15	12	12	13	14	12
USP7	Q93009;Q8	1.64E-11	9.17E-12	0.207114	+	2.15445	4.01389		16.4533	16.5185	16.5004	16.4324	16.2432	16.2445	16.2491	16.2489	42	43	43	40	37	41	42	40
MACROH2A1	Q75367;Q1	1.90E-09	7.56E-10	0.207291		1.15479	2.20087		19.2346	19.2272	19.1948	18.7509	19.1746	19.0156	19.06	19.0568	13	15	13	13	13	13	13	13
PRKRIP1	Q9H875	0.003196	0.000592	0.207776		0.383756	0.878871		14.3355	14.303	14.1323	14.3563	14.2337	14.1702	13.3725	14.113	2	2	2	2	2	2	1	2
PLBD2	Q8NHP8	1.46E-12	1.01E-12	0.207809		0.509805	1.11082		17.8688	17.7816	17.8576	17.1865	17.4863	17.6972	18.0211	17.75	15	15	14	15	13	14	14	14
TRIP13	Q15645	6.90E-14	6.88E-14	0.207873		0.565749	1.20995		16.6096	16.598	16.5531	16.7674	16.3737	16.0735	16.1364	16.5441	15	15	15	15	14	14	15	15
NT5C3A	Q9H0P0	3.86E-08	1.31E-08	0.208216		0.819289	1.64245		15.4955	15.6484	15.681	15.7185	15.2306	15.4449	15.3749	15.2315	11	9	11	12	10	9	9	8
ME1	P48163	1.80E-22	2.60E-21	0.208372		0.810207	1.62725		17.0475	16.9729	17.0425	16.9608	16.558	17.0413	16.8825	16.6203	14	15	17	14	14	15	13	14
SCD5	Q865K9;Q8	4.50E-07	1.36E-07	0.208465		0.310301	0.736094		16.0261	15.927	16.2253	15.6401	16.4267	15.2504	15.7549	16.1829	3	4	2	2	1	1	1	2
ARHGAP24	Q8N264	3.09E-15	4.58E-15	0.208826		0.526123	1.13993		15.7131	15.7868	15.8341	16.0806	15.5184	15.565	15.3112	15.3706	12	14	13	13	9	7	7	10
INTS7	Q9NMW2;Q1	2.19E-08	7.64E-09	0.209425		0.989896	1.9264		16.0226	15.9163	16.0284	15.567	15.9532	15.932	15.8232	15.623	6	7	6	7	4	4	4	3
CFI1	P23528	2.01E-08	7.01E-09	0.209475	+	2.668	5.33435		22.0979	22.1192	22.121	21.9726	21.8755	21.7991	21.9305	21.9383	22	22	22	22	22	22	22	22
ARHGEF2	Q92974;Q8	4.38E-16	8.24E-16	0.209543		0.674813	1.3986		17.271	17.3115	17.2894	16.8976	17.0124	17.4326	17.2374	16.8255	40	40	40	38	35	38	40	38
INTS11	Q5T4M5;Q5	2.41E-07	7.53E-08	0.209661		0.598823	1.26772		15.8791	15.849	15.8569	15.7205	16.033	15.6694	15.2635	16.5737	6	5	6	6	6	4	5	5
PPI1	Q9Y9C6	1.33E-13	1.22E-13	0.209773		0.482161	1.06108		16.6305	16.758	16.6683	16.8276	16.7091	16.4276	16.4367	16.5737	6	6	6	6	6	6	6	6
NMRP133	Q75394	0.002108	0.000411	0.210924		0.613455	1.29311		15.6767	15.7384	15.741	15.6047	15.6735	15.0412	15.5064	15.713	2	2	2	2	2	2	2	2
MTIF2	P46199	0.003293	0.00046	0.211024		0.751196	1.52814		15.1277	15.1676	15.3223	15.0895	14.6879	15.2592	15.0663	14.8713	6	7	7	4	5	6	7	5
AACS	Q86V21	1.64E-09	6.58E-10	0.211296		0.95011	1.86032		16.2507	16.2523	16.2113	16.2613	16.1979	15.9459	15.8474	15.8816	12	12	12	13	12	12	11	12
EP300	Q09472	0.002734	0.000517	0.211406		0.425373	0.972393		14.4275	14.5933	14.5855	14.1802	NaN	14.2625	14.8403	14.0132	2	1	3	1	NaN	2	2	1
TMEM231	Q9H6L2	1.21E-10	5.72E-11	0.211685		0.217355	0.543704		15.4481	15.4293	15.4485	14.2448		15.2577	15.5411	16.0161	2	2	2	3	3	3	2	3
RALBP1	Q15311	0.001112	0.000228	0.211774		0.219352	0.553971		16.644	16.6683	16.649	16.385	15.6247	NaN	17.1886	16.5967	3	4	3	3	1	NaN	2	3
BCL2	P10415;P1	0.002515	0.00048	0.212053		0.263856	0.661102		14.5207	14.4248	14.6104	NaN	14.874	NaN	13.7808	14.265	1	2	1	NaN	2	NaN	1	1
THRAP3	Q9Y2W1	5.17E-14	5.35E-14	0.212075	+	4.77736	12.1682		16.9355	17.0052	16.9671	16.766	16.7818	16.7831	16.7289	16.7559	26	26	26	25	24	25	26	26
SLC25A3	Q00325-2	1.19E-05	3.10E-06	0.212464		0.651665	1.35898		20.1171	20.0738	20.0932	19.4232	19.942	20.0809	19.9745	19.9905	15	15	15	14	15	15	15	15
TAOK2	Q9UL54	0.000496	0.000107	0.212944		0.851813	1.69677		15.1439	14.8792	15.1032	14.6655	14.7937	14.6824	15.1186	14.8857	3	6	5	5	5	3	6	4
MORC2	Q9Y6X9	0.001348	0.000273	0.212946		1.15273	2.19743		14.6806	14.7643	14.8474	14.7401	14.5676	14.3313	14.6188	14.498	7	7	7	6	4	5	6	6
PEAK1	Q9H792	2.39E-13	2.05E-13	0.212998		0.762755	1.54761		15.6501	15.3959	15.4073	15.3285	15.0887	15.4932	15.0045	14.9507	33	34	35	31	26	33	32	28
ELAC2	Q9BQ52	2.10E-09	8.31E-10	0.213026		0.848259	1.69084		16.0744	16.1853	16.1424	16.1505	16.0628	15.7024	15.703	15.9862	21	21	20	20	14	19	18	19
NK9	Q8TD19	4.37E-12	2.72E-12	0.213489		1.21426	2.30051		16.7063	16.71	16.7186	16.3735	16.4812	16.7631	16.5058	16.4301	30	30	30	30	23	30	29	28
SPTBN1	Q01082	1.85E-21	1.99E-20	0.213502		1.20329	2.28209		18.3751	18.3898	18.3736	18.2338	18.2317	18.2944	17.8961	18.174	142	140	142	137	132	141	133	135
ALDH4A1	P30038	9.53E-15	1.22E-14	0.213503	+	1.50082	2.79034		15.9066	16.6187	15.9909	16.4527	16.5476	16.2945	16.2256	16.4123	14	13	13	13	12	11	10	13
PRPF38B	Q5VTL8	9.71E-05	2.30E-05	0.213941		0.278843	0.672568		15.2832	15.6498	15.1939	15.1886	14.6913	15.9483	14.7434	15.2368	4	3	4	3	3	2	2	2
DDX17	Q9Z841	1.17E-08	4.22E-09	0.214151	+	1.9072	3.52903		19.3131	19.333	19.3238	19.2502	19.1302	18.9943	19.0281	19.143	33	32	32	31	33	33	31	33
HNRNPJ	Q00R39	3.08E-18	1.16E-17	0.214187	+	1.44877	2.69987		19.3312	19.4004	19.319	19.1856	19.2757	19.0218	18.9778	19.219	42	38	41	39	39	40	40	39
ZEB1	P37275;P3	0.000168	3.86E-05	0.214636		0.643934	1.3457		14.03	14.0924	14.3501	14.1448	14.1359	13.5997	14.0425	13.7914	5	4	4	3	3	2	2	2
NELFB	Q8WX92-2	1.88E-05	4.80E-06	0.214647	+	1.64402	3.0436		15.7999	15.7264	15.784	15.5042	15.6473	15.4957	15.427	15.7032	12	11	10	9	9	8	8	8
SRF5	Q13243	2.49E-10	6.05E-06	0.214781	+	2.28327	4.27946		16.5241	16.5686	16.503	16.3661	16.4016	16.3192	16.31	16.1887	8	8	8	8	7	7	8	8
TA9B	Q9HBM6	0.002456	0.00047	0.215148		0.733775	1.49874		14.9468	15.1945	15.095	15.2336	14.675	14.7005	14.8267	14.8823	3	2	4	2	2	2	1	1
PDP	Q8NCN5	2.49E-10	1.12E-10	0.215416	+	1.83451	3.39207		16.0622	16.0622	16.0735	15.6842	15.968	15.798	15.8618	15.8708	21	23	21	16	17	18	19	18
TUBGCP4	Q9UGJ1;Q9	4.71E-06	1.28E-06	0.215858	+	1.5386	2.85651		15.119	15.2314	15.2	15.0054	15.1119	14.8917	14.8053	15.0238	11	11	10	9	5	9	8	8
MSRB3	Q8IXL7-2	6.87E-15	9.09E-15	0.216055		1.05531	2.03509		16.5007	16.5624	16.5518	16.1947	16.3009	16.5014	16.5012	16.113	8	8	9	8	7	9	8	8
DMAC2L	Q97966	0.003861	0.000703	0.216213		0.91866	1.80806		15.0195	14.7746</														

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
JTB	Q76095;Q1	1.18E-05	3.08E-06	0.224255		1.26997	2.39435		15.5268	15.5829	15.5667	15.5954	15.1817	15.3322	15.2857	15.2778	2	2	2	2	2	2	2	2
PCNP	Q8WW12	5.29E-10	2.27E-10	0.224331		0.887676	1.75653		17.4131	17.4472	17.3477	17.3968	17.3477	17.0305	16.9064	17.2815	7	8	7	8	7	7	7	8
RBBP7	Q16576	1.77E-06	5.01E-07	0.22457		0.576456	1.22871		16.6892	16.7413	16.7162	16.9014	16.3259	16.3144	16.1872	16.7262	9	10	9	9	7	8	9	10
HMB5	P08397;P0	9.38E-13	6.85E-13	0.224691		0.647871	1.35246		15.7067	15.6648	15.6989	15.8352	15.5453	15.4165	15.0605	15.4696	13	14	14	14	11	14	11	13
ATPS5P	P48047	0.000188	4.28E-05	0.225072		0.433148	0.971427		19.3582	19.3922	19.3533	19.3403	19.1854	18.4632	19.3191	19.406	10	9	9	9	9	9	9	9
CHAMP1	Q96IM3	1.10E-08	3.96E-09	0.225219		1.03044	1.99374		14.9172	14.9783	14.9832	14.7931	14.9933	14.5266	14.5765	14.7822	10	13	11	8	7	9	7	6
COG3	Q96IB2	7.57E-10	3.17E-10	0.225773		0.690166	1.42478		14.6521	14.6512	14.7391	14.5087	14.2543	14.6911	14.706	14.1151	22	24	23	17	17	18	20	14
ANKS3	Q6ZWW7;Q	0.002316	0.000447	0.225871	+	0.546919	1.17679		14.4751	14.0975	14.3314	13.94	14.3683	14.4093	13.777	13.8828	1	1	2	1	2	1	1	1
APPL1	Q9UGK1	4.73E-12	2.91E-12	0.225891	+	2.69487	5.19788		16.3009	16.2769	16.2761	15.977	16.1195	16.1387	15.9949	16.0635	20	21	20	18	13	18	18	17
GNB1	P62873	9.47E-05	2.25E-05	0.225916	+	3.07863	6.16747		19.9575	19.9354	19.9571	19.6457	19.807	19.7073	19.7568	19.7038	8	8	8	8	7	8	8	8
PHF2	Q75151	1.92E-16	4.15E-16	0.226		0.81379	1.63325		14.2968	14.4691	14.1434	14.3356	14.1374	13.8474	13.9	14.1651	4	5	5	3	4	3	3	4
PPHBP1	Q86W92-2	5.68E-12	3.46E-12	0.226226	+	3.15985	6.38884		16.7708	16.7751	16.7754	16.6178	16.4905	16.5212	16.5036	16.6048	42	42	43	36	33	40	39	40
RAD50	Q92878;Q8	1.53E-14	1.84E-14	0.226292	+	2.89519	5.68895		15.8411	15.8926	15.8616	15.5769	15.6834	15.6534	15.5681	15.7124	42	44	44	35	30	33	36	36
MALT1	Q9UDY8	4.63E-07	1.40E-07	0.226474		0.632412	1.32587		15.8779	15.6092	15.5674	15.014	15.6879	15.2001	15.2841	15.6224	17	16	16	13	13	13	15	16
ELP2	Q6IA86;Q8	4.47E-15	6.29E-15	0.226399		0.859778	1.71005		15.2589	15.3246	15.237	14.7862	15.3535	14.9138	15.1625	15.0168	13	15	14	12	13	12	12	14
YWHAH	Q04917	1.95E-13	1.72E-13	0.227407		0.296114	0.707677		18.73	18.6326	18.6662	18.9432	18.3036	17.5798	18.6894	18.7283	16	16	16	16	16	16	16	16
THBS1	Q07996	2.78E-13	2.34E-13	0.227556		0.283351	0.681845		19.6778	19.7153	19.7007	19.517	18.5509	19.8443	19.9849	19.4548	47	47	48	46	45	47	47	48
ATAD3B	Q5T944	0.00086	0.000179	0.22795		0.242771	0.59788		15.7724	15.8305	15.9598	15.7574	16.1955	15.411	14.6382	16.1293	6	6	7	5	5	7	3	7
SAMD9	Q5K651	2.60E-14	2.92E-14	0.228068		0.360036	0.833501		15.3037	15.1989	15.2318	14.423	15.07	15.5813	15.2895	14.7199	17	15	17	13	10	16	14	12
CCDC25	Q86WRO	0.000202	4.59E-05	0.228087	+	1.45178	2.70509		15.4212	15.4998	15.4606	15.3915	15.011	15.2629	15.2248	15.2721	11	11	11	11	10	16	11	11
HILA-A	P04439	2.15E-12	1.43E-12	0.228599		0.855458	1.70285		19.4597	19.6135	19.5449	19.234	19.0861	19.6304	19.175	19.4285	10	9	15	10	15	15	15	15
SLC3A1	P19634	2.79E-12	1.80E-12	0.228873		0.465671	1.03113		14.987	15.1199	15.1093	14.8929	14.2585	15.1683	15.1369	14.7594	5	5	5	2	5	5	5	4
HNRNPR	Q43390	3.79E-09	1.45E-09	0.228905	+	2.88993	5.69842		18.2831	18.3299	18.2856	17.9898	18.0636	18.0713	18.1707	18.0577	21	23	21	20	17	19	21	19
ECM1	Q16610;Q1	3.55E-11	1.86E-11	0.22897	+	1.45026	2.70245		17.1974	17.3287	17.2838	17.1823	17.0943	17.0031	17.0955	16.8297	16	17	17	18	14	16	16	15
TRIM16	Q95361	1.68E-11	9.37E-12	0.229112		1.15344	2.19861		15.6818	15.7372	15.7226	15.3399	15.6678	15.4839	15.2854	15.1315	15	15	16	14	14	16	15	13
KRAS	P01116-2	5.52E-07	1.65E-07	0.229314	+	2.17166	4.04882		16.7442	16.8564	16.8087	16.5464	16.5205	16.6391	16.6858	16.4771	5	5	5	4	4	5	4	4
CARS1	P49589-3	2.12E-10	9.70E-11	0.229446		0.543255	1.17032		18.0482	18.0556	18.09	17.5141	17.8164	18.2108	18.1224	17.5121	34	34	33	32	32	34	35	31
TPMT	P51580	3.00E-13	2.50E-13	0.229733		0.734424	1.49984		16.8199	16.9787	16.8765	16.3134	16.9914	16.7135	16.5515	16.74	11	10	11	10	9	10	10	9
RNASEH2B	Q5TBB1;Q8	1.38E-09	5.61E-10	0.229958	+	1.33141	2.49851		14.343	14.3425	14.0664	14.1926	13.8765	14.2448	14.2286	4	4	5	3	3	4	4	3	
ABCB6	Q9NP58;Q1	6.66E-10	2.81E-10	0.230886		0.317962	0.751318		17.513	17.6134	17.5432	16.9352	16.7455	17.8392	17.8703	17.2382	11	12	10	8	7	12	10	8
HNRNPA0	Q13151	1.35E-06	3.86E-07	0.231221		0.927947	1.8235		18.9019	18.8887	18.8441	18.3423	18.7499	18.8454	18.8331	18.6742	9	9	8	8	9	8	8	9
TIP2	Q9UDY2	1.87E-12	1.26E-12	0.231474		0.283426	0.681998		15.6505	15.6652	15.7088	16.0865	15.6041	14.5366	15.3784	15.6111	26	25	27	31	22	19	25	26
TNS2	Q63HR2;Q1	8.84E-06	2.33E-06	0.23163		0.547592	1.01639		17.7642	17.7053	15.6838	15.164	15.2962	16.1423	15.413	15.4151	7	12	14	8	7	13	7	8
ARHGEF17	Q9PEP2	2.47E-16	5.07E-16	0.232386		0.623034	1.30968		15.8162	15.8139	15.8355	15.0689	15.7526	15.637	15.6896	15.7993	29	28	23	24	26	25	26	26
CRN2	Q96FV2;Q8	6.60E-11	2.82E-11	0.232634		0.245247	0.60309		15.5123	15.7162	15.5742	15.4329	15.98	15.9875	14.88	14.5609	7	7	7	7	6	6	5	5
CHMP4A	Q9BY43;Q1	4.77E-14	4.96E-14	0.232769		0.29556	0.70656		16.6416	16.6273	16.5953	16.717	16.5461	15.4081	16.5946	16.6773	6	5	6	6	4	6	6	6
TPC1	Q9ULQ1;Q1	0.024115	0.003991	0.232882		0.605408	1.27916		14.2883	14.1467	14.2828	13.8474	13.9125	14.4485	14.149	13.6744	2	2	2	1	1	1	1	1
ELP4	Q96E81;Q8	4.95E-11	2.52E-11	0.233065		1.18972	2.25933		14.4653	14.7014	14.7378	14.2267	14.3253	14.4806	14.3924	14.5838	6	6	6	6	4	6	5	6
SUPV311	Q8IY8	3.55E-14	3.83E-14	0.233182		1.12128	2.14492		15.9013	15.8002	15.7567	15.5263	15.3859	15.8652	15.5872	15.5667	14	13	11	12	14	12	13	13
SLC7A6	Q92536	0.001973	0.000388	0.233388		0.586756	1.24671		15.2177	15.2377	15.3776	15.2251	14.5719	15.2904	14.8915	15.2425	1	1	1	2	1	1	1	1
PLPBP	Q94903	1.77E-07	5.58E-08	0.233579		1.17783	2.23942		17.4951	17.4902	17.4535	17.1037	17.1478	17.4019	17.4666	17.1101	10	10	10	10	10	10	10	10
ADRM1	Q16186	1.62E-06	4.61E-07	0.233633		0.646167	1.34954		17.6922	17.7106	17.6069	17.6781	16.9736	17.6777	17.4248	17.427	6	6	6	6	5	5	6	6
SUP116H	Q9Y589	1.95E-17	5.63E-17	0.233655	+	1.49293	2.77657		17.0213	17.0141	16.9874	16.886	16.7005	16.6524	16.6752	16.9756	36	37	37	36	32	37	39	37
TNRC6B	Q9UPO9;Q1	2.43E-05	6.12E-06	0.233817		0.261586	0.637174		14.7677	14.5837	14.8642	14.9802	13.4856	14.7426	14.888	14.4272	6	4	4	7	2	4	3	5
PPCS	Q9HAB8	1.75E-06	4.94E-07	0.233869		0.624209	1.31171		16.5125	16.5544	16.5406	15.9203	16.0805	16.495	16.6496	16.3644	12	12	12	10	10	12	12	11
STXBPA	Q6ZWI1	0.00768	0.001339	0.234054		0.487779	1.09045		13.4705	13.9254	13.6943	13.8044	NaN	13.2241	13.6482	13.174	2	2	3	2	NaN	2	2	1
CALHM5	Q8N5C1	6.85E-07	2.03E-07	0.234518		0.350587	0.815241		15.2353	15.2412	15.2642	14.2509	15.2374	15.5072	15.1981	14.8683	5	5	6	3	5	5	5	3
KANK2	Q63ZY3;Q8	4.07E-13	3.27E-13	0.235241	+	1.52201	2.8274		17.5238	17.5194	17.4984	17.0368	17.3817	17.3363	17.349	17.2895	29	27	31	27	22	25	27	27
AUH	Q13825	0.00342	0.000629	0.235279		0.539826	1.16425		15.445	15.5019	15.5074	14.7613	15.4785	15.4514	15.0292	15.527	4	3	4	1	1	2	3	2
PHF5A	Q7RTV0	0.000259	5.80E-05	0.235466	+	2.4659	4.67304		18.8368															

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
HP1BP3	Q5SSJ5	6.27E-08	2.07E-08	0.241059		1.18843	2.25717		18.0765	18.0892	18.0661	17.5607	17.9002	17.9919	17.9696	17.7586	22	22	22	20	21	22	22	22
MAX	P61244;P6	1.29E-06	3.71E-07	0.241225		0.486161	1.06831		15.5077	15.4664	15.2797	15.4571	15.6327	15.0255	15.4619	15.3249	3	3	2	3	2	2	3	3
PTCD3	Q96VE7	1.97E-09	7.80E-10	0.24138	+	2.08973	3.88396		15.5626	15.6147	15.613	15.4452	15.3121	15.4065	15.1961	15.417	18	17	16	14	16	15	14	14
FMNL3	Q8IVF7	7.62E-08	2.49E-08	0.241681		0.829958	1.66028		15.9263	15.9046	15.7975	15.9148	15.4925	15.7237	15.3013	15.7401	13	17	15	13	10	9	12	13
NGLY1	Q96IV0	9.02E-06	2.38E-06	0.241783	+	2.09538	3.89521		14.9831	14.9433	15.0318	14.8476	14.6296	14.8356	14.6593	14.7494	8	9	6	7	5	6	5	5
NARS2	Q96IS9	0.003203	0.000593	0.242033		0.725734	1.48514		15.1694	15.212	15.3063	14.7426	15.1125	15.3116	14.6759	15.0934	6	6	5	4	4	4	4	3
UBE2O	Q9C0C9	5.45E-08	1.81E-08	0.24218		1.0742	2.0665		15.7149	15.717	15.6878	15.7592	15.4899	15.3678	15.2259	15.4791	27	26	26	26	22	26	26	26
NEK1	Q96PY6;3	3.41E-09	1.32E-09	0.242724		0.658323	1.37039		14.3195	14.2071	14.3857	13.747	13.8889	14.4817	14.1864	14.0427	6	5	6	5	4	6	6	4
SF3A3	Q12874	2.88E-11	1.53E-11	0.24292	+	3.19161	6.47705		17.5771	17.574	17.5303	17.4071	17.319	17.2599	17.3367	17.2651	17	17	17	17	17	17	17	17
PRKAR1A	P10644	1.41E-10	6.63E-11	0.242943		1.12932	2.15834		18.5291	18.5711	18.562	18.5237	18.383	18.2691	18.0166	18.3631	19	19	19	19	19	19	19	19
UBXN7	Q94888	1.30E-10	6.11E-11	0.243016	+	1.72603	3.19187		16.295	16.1641	16.2042	15.8654	16.0632	15.8821	15.9411	16.1384	11	11	13	12	12	12	11	12
EML4	Q9HC35	4.64E-17	1.20E-16	0.243154		0.683094	1.41273		16.2532	16.288	16.2763	16.4307	16.0502	16.0813	15.6249	15.9596	27	28	27	26	23	25	24	25
SGPP1	Q9BX95	2.12E-07	6.65E-08	0.24339		0.462799	1.0259		15.4165	15.3067	15.3336	15.4603	15.2162	15.4718	14.5922	14.8039	5	4	5	6	3	3	4	4
CPNE3	O75131	1.88E-09	7.47E-10	0.243471		0.758086	1.53975		18.3027	18.3079	18.2991	17.9043	18.4594	17.8418	17.8892	18.2039	20	18	18	18	18	18	18	16
NXF1	Q9UBU9	1.74E-09	6.95E-10	0.243535	+	2.44353	4.62369		16.2508	16.3371	16.3221	16.0902	16.0303	15.9314	16.1064	16.1406	15	16	15	16	13	16	13	14
GNPNAT1	Q96EK6	3.94E-10	1.72E-10	0.243967		1.01937	1.97535		17.8841	17.896	17.8918	17.508	17.3613	17.8462	17.8131	17.7046	8	8	9	8	8	8	9	8
CSTF1	Q05048	1.69E-15	2.72E-15	0.244226	+	1.93146	3.57527		16.3075	16.325	16.2964	16.075	16.1185	16.0079	15.9115	16.2143	13	13	13	13	13	13	13	13
TARS1	P26639	6.62E-08	2.17E-08	0.24474		0.58721	1.2475		18.8638	18.9188	18.8555	18.526	18.3175	19.0401	18.9199	18.3676	44	44	44	43	43	44	45	43
ALKB5	Q6P6C2;Q6	1.23E-07	3.93E-08	0.244749		2.23451	4.17782		14.754	14.8046	14.8376	14.4324	14.6923	14.5388	14.5748	14.5318	8	7	9	8	8	8	9	8
TOMM20	Q15388	0.003205	0.000593	0.245117		1.10988	2.12591		17.5787	17.4095	17.5585	17.3315	17.0506	17.2896	17.351	17.162	2	2	2	1	2	2	2	2
SF3B2	Q13435	5.01E-17	1.20E-16	0.245422	+	2.71033	5.23469		17.3316	17.3486	17.3751	17.2170	17.0982	17.022	17.0523	17.1413	30	32	32	33	31	33	33	31
UBE2V2	Q15819	1.26E-10	5.95E-11	0.245696		0.602072	1.27337		18.5826	18.0154	18.0545	17.7978	18.1243	18.2578	17.6847	17.9952	3	3	2	3	3	3	3	3
CERT1	Q9Y5P4;Q5	3.60E-11	1.63E-11	0.245903	+	1.34906	2.52862		15.3705	15.4569	15.3636	15.4133	15.0641	15.0639	15.1883	15.0258	16	15	16	12	15	13	13	14
GNB2	P62879	2.22E-06	6.22E-07	0.246582	+	2.52223	4.79879		20.2061	20.2219	20.1742	19.9447	20.0404	20.0214	19.8269	19.9371	12	14	12	14	12	12	13	13
UACA	Q9B2F9	4.47E-20	3.17E-19	0.246818		0.790842	1.5948		16.6664	16.7379	16.6887	16.102	16.4164	16.7024	16.5807	16.2552	69	69	69	63	66	66	65	62
SGTF9	Q96E57	6.72E-11	3.33E-11	0.247029		0.753757	1.53246		13.9591	13.3269	13.3914	13.2018	13.4971	13.3019	13.2505	13.3092	1	1	1	2	1	1	1	1
GIC2C1	Q12789;Q1	1.27E-07	4.06E-08	0.247257		1.21007	2.29347		14.9353	15.0166	14.9564	14.7829	14.8655	14.4472	14.6462	14.869	13	14	12	11	6	7	6	11
DVL3	Q92997;Q5	2.35E-06	6.56E-07	0.247492		0.82701	1.65536		15.3111	15.1927	15.3755	15.1768	15.0217	15.3495	14.9806	14.6994	3	3	3	4	4	4	4	3
MRF517	Q8Y2R5	5.36E-10	2.30E-10	0.248272		1.12853	2.15702		16.7561	16.7209	16.7007	16.4373	16.2246	16.6596	16.5307	4	4	4	4	4	4	4	4	4
OMAI	Q96E52	0.020596	0.003426	0.248356		0.216495	0.541849		13.6942	14.7028	14.6553	14.687	14.5616	14.308	13.8903	13.0652	1	2	2	1	1	1	1	1
ITGA7	P06756;P0	4.38E-13	3.49E-13	0.248836		0.443766	0.991021		17.7057	17.7683	17.7155	17.404	17.2346	18.222	17.2391	17.3077	37	38	39	39	34	41	37	37
UWR2	Q14146	0.000429	9.32E-05	0.248418		1.15832	2.06677		14.3768	14.2109	14.3745	14.0183	13.8865	13.9579	14.3242	14.1747	7	7	6	5	5	6	7	6
EBSR1	Q01844;Q0	0.000251	5.63E-05	0.248779	+	2.12567	3.95583		18.7322	18.6462	18.7351	18.4291	18.3819	18.6317	18.4124	18.4137	4	5	5	3	5	5	5	5
GPX1	P07203	6.66E-06	1.78E-06	0.248878		0.584269	1.24237		17.5766	17.6234	17.59	17.3124	17.1911	17.6121	17.7312	16.8925	7	8	8	8	7	7	8	8
CCAR2	Q8N163	9.70E-16	1.67E-15	0.248851	+	2.6648	5.12682		17.5807	17.5181	17.5626	17.2754	17.4266	17.2125	17.2948	17.3155	21	21	21	20	20	21	21	21
WDR5	P61964	4.94E-13	3.87E-13	0.248949	+	2.09842	3.90128		15.9967	16.0203	15.9871	15.8067	15.8473	15.6205	15.6551	15.8325	11	11	10	11	10	10	10	10
MTHFD1	P11586	1.48E-11	8.30E-12	0.248954	+	2.8424	5.56645		15.1118	18.5628	18.4988	18.3457	18.1743	18.3147	18.2292	18.3136	47	48	48	48	47	47	47	47
RAP1GDS1	P52306	8.01E-14	7.84E-14	0.248956		0.90203	1.78041		17.7037	17.7073	17.7583	17.8339	17.4304	17.2301	17.3272	17.5492	23	23	23	22	23	22	22	22
DCAF8	Q5TAQ9	5.27E-16	9.60E-16	0.249097	+	1.73894	3.21545		15.855	15.9927	15.8633	15.5229	15.5926	15.8383	15.642	15.677	10	9	10	10	9	10	7	7
YAE1	Q9NRH1	0.003303	0.000609	0.249358		0.203643	0.519338	NaN	13.1846	12.8742	13.8101	12.3768	12.2849	12.4682	12.9604	NaN	2	2	2	2	1	2	1	1
ORMDL3	Q8N138;Q1	1.80E-11	1.00E-11	0.249405		0.287	0.689257		15.6994	15.5399	15.6991	15.919	14.6068	15.2325	15.1441	16.0812	2	2	1	2	1	1	2	1
INTS10	Q9NVR2	0.002871	0.000538	0.249478		2.91493	5.73908		15.3263	15.3053	15.3937	15.1167	15.1763	15.0601	15.0022	15.1061	6	8	9	5	3	5	6	4
TIMM29	Q9BSF4	9.99E-15	1.27E-14	0.249767		1.11588	2.13592		14.6698	14.739	14.6874	14.3999	14.2523	14.7616	14.4405	14.4175	6	6	6	6	5	6	6	4
EHD3	Q9NZN3	3.17E-15	4.68E-15	0.249848	+	2.20997	4.12719		18.7605	18.8022	18.7742	18.485	18.5374	18.4024	18.6776	18.5433	31	30	30	27	28	27	31	28
HNRNP1	P14866	2.52E-11	1.36E-11	0.249879	+	3.39913	7.07749		18.9425	18.9263	18.8508	18.6836	18.6626	18.6924	18.5732	18.6715	20	22	23	21	21	20	20	20
FGD1	P98174	0.038176	0.006234	0.249961		0.274924	0.706181		14.253	14.0172	14.4092	NaN	NaN	14.4084	13.5446	NaN	2	1	1	NaN	NaN	1	2	NaN
PRPF19	Q9UM54	1.08E-09	4.45E-10	0.249984	+	5.02013	13.6634		18.0827	18.1362	18.0954	17.849	17.8812	17.8769	17.8274	17.8394	16	15	17	15	15	16	16	15
INTS14	Q965Y0;Q5	5.80E-15	7.83E-15	0.250168	+	1.39695	2.61054		14.6273	14.5943	14.3695	14.0997	14.4433	14.2422	14.3379	14.2778	4	5	5	5	3	5	3	3
IRF2BP1	Q9H187	6.35E-09	2.37E-09	0.250168		0.664708	1.38133		15.4156	15.3029	15.3323	15.0515	14.7911	15.2822	15.5162	14.8593	5	8	6	5	4	8	6	6
FDFT1	P37268	7.86E-10	3.29E-10	0.250618		0.180256	0.462081		17.0682	17.0336	17.0291	18.0514</												

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
SLC39A11	Q8N155;Q	0.000286	6.36E-05	0.258495	+	2.20218	4.1112		16.051	15.9993	16.0594	15.8572	15.7515	15.7489	15.8972	15.6354	3	3	3	3	2	3	3	3
LARS2	Q15031	3.14E-17	8.55E-17	0.258597	+	1.67408	3.09766		15.041	15.1998	15.1616	15.802	14.7906	14.9155	14.771	14.8204	15	18	18	17	8	13	10	12
PPP1R3D	O95685	1.03E-06	3.00E-07	0.258787	+	1.58174	2.99263		15.0536	15.0693	15.0518	14.8878	14.9745	14.5912	14.7266	14.8172	5	5	6	4	4	4	4	3
RPL38	P63173	7.99E-06	2.12E-06	0.259292	+	0.39426	0.98763		19.7456	19.9018	19.7615	19.8693	19.4741	18.7355	19.8138	19.8327	8	8	8	8	8	8	8	8
ZFYVE21	Q9B024;Q	9.82E-05	2.32E-05	0.259606		0.820743	1.64488		16.316	16.3341	16.3018	16.4471	15.9951	15.8627	15.795	16.1885	5	5	6	5	5	5	6	5
STAG2	Q8N3U4;Q	2.10E-06	5.90E-07	0.259673	+	1.84744	3.41627		15.9848	15.9499	16.0121	15.8247	15.5261	15.7361	15.6902	15.8358	18	19	20	16	10	15	12	12
NIPSNAP1	O9BPW8	2.70E-05	6.79E-06	0.259735		0.966029	1.88676		16.9157	16.9395	16.8812	16.7299	16.4435	16.9444	16.7505	16.3937	8	8	8	8	7	8	7	8
ENGASE	Q8NF13;Q8	0.01638	0.002747	0.259899		0.421594	0.988662		13.4389	13.4924	13.492	NaN	13.6445	12.7393	NaN	13.2599	2	2	1	NaN	2	1	NaN	1
THADA	Q6YHU6	1.99E-08	6.97E-09	0.260738		0.651255	1.35827		15.0368	15.0291	14.8889	14.6012	14.8578	15.1147	14.2641	14.7833	13	13	14	12	7	14	11	11
GTFC4	O9UKN8	8.91E-08	2.89E-08	0.261115	+	1.93185	3.57601		15.6852	15.8232	15.7748	15.3461	15.5627	15.4638	15.4825	15.6446	10	11	10	11	7	10	9	7
GRWD1	O9B067	4.54E-06	1.23E-06	0.261263		1.22772	2.32313		16.3802	16.4481	16.3771	16.3388	16.2634	16.21	15.988	15.9027	9	10	10	9	9	9	8	8
LRRFIP1	Q32MZ4-2	9.69E-17	2.31E-16	0.261733		0.939577	1.84282		15.9572	15.9632	16.0687	16.0494	15.6601	15.5401	15.5174	15.9061	31	31	31	32	24	27	27	30
SH3D19	Q5HYK7	2.56E-11	1.38E-11	0.261881	+	2.01177	3.73035		15.7606	15.7331	15.6886	15.3466	15.5812	15.5279	15.5351	15.3368	17	18	17	16	13	17	18	17
CIAO2A	O9H5X1	0.012865	0.002178	0.262215		0.528272	1.16575		15.9562	15.8328	15.9452	15.6819	NaN	15.2364	15.5386	16.1398	2	2	2	2	NaN	1	1	2
CNNM3	Q8NE01	9.82E-05	2.32E-05	0.262339		0.941747	1.84643		14.7245	14.784	14.8105	14.6854	14.5831	14.7486	14.187	14.3492	7	7	6	7	6	5	7	5
EHMHADH	Q08426	1.34E-14	1.64E-14	0.262658		1.16397	2.21622		15.8128	15.8593	15.8299	15.7156	15.6673	15.5369	15.2399	15.6972	22	23	22	21	18	18	19	17
TSFM	P34897	3.58E-06	9.83E-07	0.263674		0.708665	1.45622		16.3646	16.4484	16.4672	16.2381	15.6475	16.1764	16.3823	16.371	12	12	11	7	10	11	11	11
PRRX1	P54821-2	2.22E-16	4.67E-16	0.264517		0.324296	0.76384		17.7969	17.6859	17.7783	18.3202	17.3741	16.8402	17.128	17.7834	6	6	6	6	6	6	6	6
UBALCP1	Q8WVV7	3.94E-12	2.48E-12	0.264881		0.996273	1.93699		16.6138	16.6484	16.575	16.2039	16.2165	16.7378	16.3637	16.2159	14	14	14	14	12	13	14	14
IDH1	O75874	1.03E-14	1.29E-14	0.265067	+	1.62634	3.01197		19.1441	19.1071	19.0996	18.9592	18.7776	19.026	18.8411	18.6556	23	23	24	23	24	23	22	23
TBC1D1	Q8T07;Q8	6.11E-12	3.72E-12	0.265483	+	3.10444	6.33717		16.7365	16.7776	16.4003	16.4003	16.4686	16.5916	16.4923	16.4677	21	22	22	22	15	21	22	19
SELNEN	Q8N2V5;Q8	0.002648	0.000502	0.265572		1.04086	2.01106		15.63	15.5911	15.5807	15.3718	15.6388	15.2893	15.0188	15.2929	6	6	6	4	5	4	6	5
FLCN	Q8NFG4	0.000608	0.000129	0.265652		1.24752	2.35647		15.2376	15.4514	15.2359	14.8705	15.1088	15.3862	14.9109	15.0341	4	4	4	3	3	4	4	3
TBCD	Q9BTW9	1.31E-12	9.17E-13	0.265677	+	2.4188	4.56951		16.8413	16.8315	16.8075	16.5135	16.614	16.6653	16.5943	16.4183	4	36	34	30	31	32	33	31
SMU1	Q2TA7	4.14E-12	2.58E-12	0.265858		2.88485	5.66282		17.3342	17.408	17.0798	17.306	17.1288	17.0304	17.0048	17.1739	15	16	14	14	15	14	15	14
SMAD4	Q13485	4.82E-21	4.85E-20	0.265875		3.10507	6.23889		15.991	15.9876	15.9173	15.7034	15.7825	15.7166	15.6005	15.6858	7	16	5	5	4	6	4	4
NFYB	P25208	0.00038	8.32E-05	0.265969		0.392249	0.894963		14.9661	14.9243	15.4403	15.1148	14.043	15.0961	15.0602	14.9073	1	1	1	1	1	1	1	1
SPCC1	Q5M775;Q	0.025393	0.004194	0.266052		0.277502	0.678064		18.3998	18.3062	18.2178	NaN	18.9428	17.5777	17.5231	18.124	2	2	2	NaN	1	1	1	2
INTS8	Q75QN2;Q	0.27E-05	1.52E-05	0.26649	+	1.68927	3.1251		15.3107	15.2864	15.1502	14.9606	15.1443	15.0542	14.9569	14.7971	3	5	5	5	2	4	4	3
WBP11	Q8Y2W2	1.49E-10	6.97E-11	0.266603		2.31388	4.3498		15.5493	15.5723	15.6196	15.4365	15.3383	15.3372	15.1613	15.2956	13	13	13	13	10	13	12	13
CNTD9	Q92600	1.17E-13	1.09E-13	0.266932		0.485183	1.06654		18.8379	16.7828	16.8802	16.6029	16.3071	16.0084	16.8738	17.0413	9	9	10	8	4	6	9	9
PHRF1	Q8P1Y6;Q8	0.007966	0.001385	0.267858		0.45707	1.01543		13.4402	13.5786	13.4695	13.7941	12.8512	13.5229	13.2169	12.7561	2	2	3	2	1	2	2	2
GNPD2	Q8TDO7;Q	5.69E-13	4.38E-13	0.268063		1.11792	2.13934		17.7873	17.8806	17.8996	17.6725	17.4404	17.9056	17.5398	17.5281	11	12	11	12	11	12	12	12
SPTAN1	Q13813	1.69E-16	3.74E-16	0.268864	+	1.47281	2.74156		18.4012	18.4809	18.4387	18.3096	18.0861	18.33	17.9409	18.1905	159	161	158	159	151	159	151	158
SNRPD3	P62318;P6	8.72E-08	2.83E-08	0.269154		0.774248	1.56694		20.295	20.2894	20.2405	20.1365	19.9865	19.5331	20.0772	20.2958	4	4	4	4	4	4	4	4
PIR	O00625	0.000687	0.000145	0.269319		0.54228	1.16859		15.0958	15.025	15.0881	14.602	14.6592	15.3612	15.0027	14.3764	5	6	5	4	3	5	6	3
HPdD	O95479;O	1.50E-16	3.38E-16	0.269373	+	1.47835	2.7512		16.9631	16.983	16.9485	16.5986	16.8237	16.8217	16.4538	16.7796	20	21	22	22	18	20	21	20
SCP27A1	Q02318	0.000763	0.00016	0.269618		0.981599	1.91262		14.5365	14.5459	14.5679	14.6402	14.3187	14.2459	14.2108	13.987	8	9	7	5	4	4	5	4
CYD	O00767	1.67E-06	4.73E-07	0.270208		0.788087	1.59018		18.8208	18.797	18.6581	18.814	18.6849	18.3703	18.1002	18.4723	4	5	5	5	3	4	3	3
SVEP1	Q4LDE5	0.011403	0.001943	0.270435		0.344035	0.813602		14.3192	13.8432	14.0027	14.4135	13.2016	13.5458	NaN	13.9776	3	3	6	6	2	2	NaN	3
ARPC5L	O9BPX5	0.001433	0.000289	0.270583		0.289544	0.694412		19.0343	18.9733	19.0589	19.3413	18.6066	17.7174	18.8317	19.261	5	5	5	5	5	5	5	5
MIMOS13	Q5XKP0	2.62E-08	9.05E-09	0.270633		0.460522	1.02174		16.2935	16.4249	16.4291	16.6214	15.4871	16.3799	16.1838	15.8872	3	3	3	3	2	2	3	3
INTS2	O9H0H0	0.000286	6.36E-05	0.27138	+	1.94864	3.60818		15.5183	15.4841	15.2732	15.0715	15.2674	15.1961	15.071	15.163	4	5	5	4	2	3	3	3
DID01	O9BT0C	5.46E-07	1.64E-07	0.271412	+	2.28531	4.28373		15.4643	15.4679	15.4688	15.133	15.1111	15.2157	15.3723	15.146	16	16	13	17	9	11	17	12
NOP58	O9Y2X3	1.06E-12	7.61E-13	0.271493	+	2.07812	3.86088		17.6104	17.6731	17.667	17.421	17.2443	17.5391	17.3959	17.2929	23	22	22	22	18	22	21	20
MT-ND4	P03905	1.33E-18	5.64E-18	0.272147		0.537379	1.15991		15.6765	15.4858	15.6758	15.6277	14.755	15.726	15.3905	15.2035	5	5	5	4	5	5	5	5
TOMM40	O96008	1.14E-08	4.09E-09	0.272319		1.03822	2.00667		17.7947	17.6644	17.621	17.5657	17.0696	17.5896	17.3473	17.5331	9	9	9	8	8	9	9	10
SMAD5	O99717	1.54E-11	8.64E-12	0.272853	+	1.7375	3.21282		15.7039	15.6872	15.6049	15.4928	15.518	15.3093	15.1935	15.4488	5	7	7	2	4	4	4	4
TBC1D5	Q92609;Q	1.93E-13	1.69E-13	0.273271	+	1.78164	3.29388		16.0036	16.0835	16.0768	15.6289	15.9653	15.8672	15.6898	15.7557	22	20	19	20	18	21	19	19
CRY2	Q08257	3.68E-13	2.99E-13	0.273421		0.412543	0.93311		18.275	18.3105	18.2724	18.1016	18.3129	17.5878	17									

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
ORCS	O43913	6.15E-08	2.03E-08	0.28137		0.478316	1.05411		13.755	13.7268	13.5686	13.3671	13.4233	12.6909	13.839	13.6902	2	2	2	1	1	1	2	2
CTDSP12	Q05032;Q	0.00031	6.87E-05	0.281485		1.07489	2.06765		14.3737	14.2839	14.2354	13.8215	14.1988	13.7298	14.1447	14.1862	3	4	4	3	2	4	4	4
CCDC9	Q9Y30	6.77E-09	2.51E-09	0.281497	+	2.75487	5.3417		15.2923	15.3276	15.4366	15.1862	14.9976	15.0376	15.0585	15.0736	11	10	12	10	10	9	10	9
ARAP1	Q96P48;Q	3.17E-11	1.67E-11	0.281644		0.730872	1.49383		16.4366	16.4514	16.4604	16.5165	16.0173	16.4904	15.8188	15.9961	29	27	27	26	21	24	19	22
RNMT	O43148;Q	3.06E-10	1.36E-10	0.281827	+	1.44416	2.6919		16.035	16.0415	16.0897	15.5733	15.9377	15.957	15.7707	15.6292	12	13	12	11	12	11	11	13
MDM1	Q9NIU2	7.77E-08	2.53E-08	0.28251	+	1.41971	2.64968		14.3424	14.368	14.3348	14.2327	14.0012	14.2129	14.0872	13.7953	12	12	13	10	4	8	9	5
UNK	Q9C0B0	0.000482	0.000104	0.282515	+	2.18953	4.08528		14.1067	14.29	14.3265	13.8261	13.9731	13.9504	14.0099	14.0332	2	3	5	3	2	3	2	3
RAP2C	Q9Y3L5	2.50E-05	6.30E-06	0.282996		0.606941	1.28182		16.1298	16.0982	16.0176	15.7401	15.2178	16.1483	16.0787	15.8095	2	2	2	3	2	2	2	3
ARNT	P27540;P2	0.00096	0.000199	0.283208		0.418471	0.959158		15.4376	14.8126	15.1002	15.2696	14.267	14.7726	NaN	15.0251	3	3	3	2	2	2	NaN	1
DEK	P35659	3.06E-09	1.19E-09	0.283367	+	1.73275	3.20413		18.0472	18.1443	18.1126	17.9352	17.8991	17.5988	17.7434	17.9136	13	14	14	13	13	13	14	14
CTNNB1	Q8WYA6;Q	2.97E-12	1.92E-12	0.283902	+	2.12788	3.96028		16.4495	16.5016	16.5504	16.3217	16.3112	16.2122	16.0363	16.2018	14	14	14	15	10	12	12	13
BPHL	Q86WA6;Q	1.57E-06	4.47E-07	0.283944		1.20413	2.28351		15.636	15.8235	15.7721	15.3497	15.72	15.3661	15.2516	15.6122	9	8	7	7	5	8	7	8
SPYAN1	Q13813-3	2.02E-08	7.06E-09	0.285122	+	1.31946	2.47819		16.0207	16.1359	16.0407	15.7618	15.5811	16.0625	15.6496	15.8482	2	2	2	2	2	2	2	2
PUS1	Q9Y606;Q	1.56E-08	5.54E-09	0.285683	+	2.08061	3.86584		16.2421	16.2896	16.2643	16.1315	15.8111	16.0574	15.9275	15.971	10	10	9	8	6	11	11	10
CCAR1	Q8IX12;Q8	7.68E-13	5.70E-13	0.285931	+	3.63187	7.80409		16.5304	16.4951	16.4978	16.2185	16.137	16.2993	16.2043	16.2502	23	24	24	22	20	23	23	21
ARF5	P84085	4.38E-05	1.08E-05	0.286075	+	1.53574	2.85149		18.1387	18.1762	18.1567	17.7924	17.8283	18.1625	17.7353	17.8373	5	5	5	5	4	5	5	5
ACVR1	Q04771	3.90E-15	5.61E-15	0.286489		0.514698	1.11957		16.0051	16.02	16.0511	16.3723	15.1623	15.7423	15.7148	15.7029	5	6	6	5	5	6	5	5
RPL36AL	Q969Q0	3.65E-07	1.12E-07	0.286605		0.163529	0.424165		19.0816	18.3132	17.7902	16.2787	18.4851	18.3367	18.392	18.7022	2	2	2	1	2	2	2	2
RCCL	P18754;P1	2.46E-09	9.65E-10	0.286682	+	3.99608	9.06783		17.3703	17.4065	17.33	17.0801	17.139	17.0737	17.0147	17.1036	12	13	13	11	11	13	12	11
ZMYND8	Q9ULU4;Q	2.28E-14	2.61E-14	0.286759		1.05276	2.03083		14.841	14.863	14.7986	14.8474	14.7492	14.374	14.4447	14.3219	5	6	6	5	5	4	5	5
CCDC47	Q96A33	4.01E-11	2.07E-11	0.286902		1.19779	2.27286		16.666	16.6752	16.6991	16.5583	16.0719	16.6079	16.3509	16.377	18	16	16	17	14	16	17	16
BAG1	Q99933;Q	0.009059	0.001563	0.287412		0.143121	0.385852		15.1999	14.487	14.8722	NaN	15.5432	NaN	13.7111	14.9826	1	1	1	NaN	1	NaN	16	17
SEPHS1	P49903	9.05E-08	1.97E-08	0.287618		1.1608	2.21092		16.975	17.097	17.0861	16.9424	16.4106	16.9097	16.7447	16.818	8	8	8	8	8	8	8	8
LSM14B	Q9BX40	1.92E-09	7.64E-10	0.288035		0.798794	1.60814		15.8841	15.7682	15.7542	15.5384	15.7887	15.4246	15.0596	15.7594	5	5	5	6	3	5	4	4
PCID2	Q5JWF3;Q5	1.21E-10	1.00E-10	0.288556	+	2.05123	3.80771		15.995	16.1132	16.0788	15.8052	15.7548	15.808	15.7326	16.0424	16	15	16	15	13	16	13	15
NAB2	Q15742	0.000696	0.000147	0.288993		0.816487	1.63776		15.6648	15.7167	15.6409	14.9266	15.6238	15.2736	15.477	15.6265	9	9	8	7	7	6	6	8
ABCC4	Q15439;Q	2.74E-12	1.78E-12	0.289341		1.20055	2.27749		15.237	15.2419	15.2055	15.2076	14.927	14.9663	14.9799	14.6133	14	16	14	14	15	8	15	14
DOCK11	Q5J5L3	1.59E-06	4.52E-07	0.289858		0.784731	1.58455		15.3354	15.3276	15.2744	15.1062	14.8935	15.4669	15.0152	14.6312	23	26	22	15	11	18	13	10
PFAS	Q15067	3.15E-14	3.44E-14	0.290133	+	2.54006	4.83903		17.172	17.1505	17.2044	16.7955	16.9235	17.0371	16.8082	16.8632	25	26	24	25	21	23	23	25
TP1	P60174;P6	6.49E-09	2.42E-09	0.290918	+	2.98266	5.91353		21.5614	21.5638	21.606	21.2399	21.3726	21.3673	21.26	21.1909	18	18	18	18	18	18	18	18
IMPDH1	P20839;P2	6.82E-12	4.11E-12	0.291308	+	2.1714	4.0483		16.9548	16.9339	16.9155	16.7029	16.5317	16.7621	16.4981	16.7224	16	15	15	15	16	16	16	16
ITGA3	P26006;P2	7.71E-16	1.36E-15	0.291449		0.548797	1.18011		17.0455	17.1273	17.1541	16.7092	17.3538	16.4308	16.4576	17.1359	19	20	20	18	18	19	19	19
IPO9	Q96P70	4.88E-10	2.10E-10	0.291838	+	2.97008	5.88084		17.112	17.148	17.1428	16.9121	16.8456	16.8266	16.7134	16.9145	31	30	31	29	31	29	31	30
TRAP1	Q12931;Q	1.23E-11	7.00E-12	0.291935	+	1.883	3.48317		17.4149	17.4587	17.3943	17.2908	16.9751	17.2574	17.0994	17.0308	27	26	26	25	21	26	25	24
BIAI2	Q9UQB8;Q	9.56E-09	3.49E-09	0.291985		0.356099	0.825906		18.8971	16.9403	16.838	15.9602	16.2557	16.3444	17.3609	17.0781	19	19	19	12	10	14	17	16
ANOG	Q4KM02;Q	6.56E-11	3.26E-11	0.292092		0.88152	1.74628		15.8384	15.8724	15.85	15.2912	15.5746	15.8797	15.7935	15.2685	21	21	21	19	22	22	22	20
PLXND1	Q9Y4D7	9.93E-16	7.44E-16	0.292198		1.07347	2.06529		14.8888	14.9325	14.8698	14.5973	14.6537	14.8331	14.7271	14.2129	14	14	14	8	4	10	11	3
DIPK1A	Q577M9	5.99E-05	1.46E-05	0.292432		0.643797	1.34546		15.2224	15.1995	15.2842	14.7882	14.5273	15.4277	14.7709	15.2005	4	4	5	3	3	3	3	3
RFTN1	Q14699	3.62E-08	1.23E-08	0.293195		1.11221	2.12979		16.8553	16.8064	16.8221	16.2444	16.6153	16.3576	16.6202	14.14	14	14	15	13	14	14	15	
CCXK1	Q9PDUA;Q	6.65E-13	5.02E-13	0.293407		0.978963	1.90824		13.6222	13.6866	13.7555	13.5814	13.2258	13.6467	13.4764	13.0432	3	5	3	2	2	2	2	4
STAT5B	P51692	1.91E-10	8.80E-11	0.293727	+	1.77825	3.28763		15.0915	15.2037	15.1664	14.8201	14.8427	15.1101	14.7363	14.8093	14	13	14	14	12	13	13	13
MRP53S	P82673	5.59E-07	1.67E-07	0.293744	+	2.11856	3.94157		15.6638	15.6834	15.6829	15.5694	15.2893	15.4118	15.2498	15.3943	14	13	13	10	7	12	11	10
ECHDC1	Q9NTX5;Q	1.79E-09	7.16E-10	0.293787		0.544241	1.17206		17.1061	17.0577	17.0343	16.7297	16.8709	17.1096	17.0762	16.0748	12	13	13	12	12	13	13	10
UQCRO	Q14949	5.81E-10	2.48E-10	0.293887		0.298399	0.712274		17.7856	17.853	17.7231	17.8081	17.3784	16.3549	17.7926	18.1327	3	3	3	3	3	2	3	3
HACD4	Q5VWC8	0.003472	0.000637	0.294312		0.66962	1.38973		16.7071	15.7992	15.5951	15.6975	15.9526	15.5267	15.2724	15.1865	2	2	2	2	2	1	1	2
AKR1C2	P52895	0.000126	2.95E-05	0.294642		0.190872	0.485771		14.8204	14.6557	14.7332	13.6423	14.2383	15.6706	13.3519	15.306	2	2	2	1	1	2	1	2
SYF2	Q95926	0.005361	0.000953	0.295145	+	1.55979	3.07725		14.6235	14.6352	14.4278	14.4374	14.3021	14.1762	NaN	14.1522	2	2	2	1	1	1	NaN	1
COQB	Q96D53;Q	0.000463	0.0001	0.295317		1.03244	1.99707		14.0998	14.1663	14.0278	13.7114	14.1908	13.644	13.5875	13.8796	3	2	4	2	2	1	2	2
SART3	Q15020	1.79E-17	5.26E-17	0.295875	+	3.66007	7.8962		16.3951	16.4401	16.4198	16.0656	16.1736	16.1856	16.1343	16.0532	30	30	30	29	24	30	26	27
VKORC1L1	Q8NOU8	2.50E-06	6.98E-07	0.296119		1.16574	2.21918		18.4619	18.493														

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control 1	Log2 MS2_quantity_Control 2	Log2 MS2_quantity_Control 3	Log2 MS2_quantity_Control 4	Log2 MS2_quantity_Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
SCP2	P22307	6.40E-09	2.96E-18	0.30484	+	1.74515	3.22682		17.8705	17.8991	17.8722	17.7217	17.3591	17.7165	17.4723	17.6091	26	26	25	26	25	25	25	25
PRKCSH	P14314-2	2.70E-06	7.50E-07	0.304952		0.419396	0.945898		19.0193	19.0768	19.0897	18.8898	18.7217	19.2136	19.1036	18.7261	24	25	24	24	25	25	25	25
MIO5	Q9NXC5	1.54E-05	3.97E-06	0.304983		0.822557	1.64791		15.3483	15.4257	15.4479	14.816	14.7916	15.4159	15.4213	15.0669	17	13	15	15	12	16	19	15
VPS26B	Q4G0F5	1.12E-09	4.60E-10	0.30504	+	1.61133	2.98519		15.9902	16.0776	15.99	15.74	15.4939	15.8734	15.8682	15.5956	12	12	12	12	9	12	13	10
IPO7	O95373	1.87E-16	4.06E-16	0.305306		1.07717	2.07144		18.206	18.2062	18.2127	18.1907	17.5952	18.0234	17.699	18.0067	30	32	31	31	29	30	31	32
MBD3	O95983;O9	2.45E-12	1.61E-12	0.30593		0.445196	0.993652		14.5016	14.3479	14.4995	14.57	14.1469	13.404	13.929	14.6689	5	5	5	4	4	4	3	4
MAP4K4	O95819-6	1.50E-17	4.51E-17	0.306126		0.723707	1.48171		17.0301	17.0113	17.0497	17.2293	16.7706	16.7868	16.2951	16.5395	35	32	33	35	30	33	30	32
ASNS	P08243;P0	3.39E-13	2.79E-13	0.306842		0.321016	0.757363		18.0273	18.0646	18.0621	17.2391	17.2563	18.7609	18.1321	17.334	28	28	28	25	26	28	27	25
ADAR	P55265;P5	2.40E-11	1.30E-11	0.306881	+	4.50666	11.1435		16.3937	16.3945	16.4062	16.0374	16.1138	16.1514	16.0546	16.0991	36	37	35	36	33	34	34	35
ERI3	O43414;O4	3.57E-10	1.56E-10	0.30724		1.18511	2.25162		17.1946	17.2067	17.0692	16.6256	16.7128	17.1515	17.0134	16.7447	5	5	5	5	5	4	4	4
MRPL17	Q9NRX2	0.001241	0.000253	0.307259		1.20815	2.29026		16.4453	16.397	16.3692	16.3176	16.0626	15.8024	15.9811	16.3194	7	7	7	6	6	7	7	6
ATP5MD	Q96IX5	7.52E-13	5.61E-13	0.30827		0.403256	0.915706		18.3897	18.1492	18.2667	18.5769	17.9719	17.296	17.5719	18.4386	3	3	3	3	3	3	3	3
PMVK	Q15126	1.51E-11	8.50E-12	0.308391	+	2.73363	5.29048		17.0815	17.1635	17.1821	16.9135	16.938	16.7548	16.7392	16.8243	12	13	12	11	12	12	11	12
RING1	Q06587	6.45E-10	2.73E-10	0.308573	+	2.87725	5.64366		15.8459	15.7472	15.7523	15.5527	15.5555	15.4145	15.4748	15.3687	8	8	8	8	6	8	7	7
SMC3	Q9UC07	3.35E-20	2.54E-19	0.308639	+	3.03485	6.05064		15.9817	16.0171	15.9419	15.7568	15.626	15.5685	15.6563	15.7506	46	48	47	43	34	41	39	41
MRPS31	Q92665	1.40E-09	5.69E-10	0.308892	+	1.9521	3.61483		15.8562	15.7931	15.7808	15.6637	15.3833	15.6452	15.4061	15.4074	8	9	9	9	8	8	8	8
INPP1	P49441	1.14E-13	1.06E-13	0.308917		1.02304	1.98146		16.0124	16.0536	16.0674	15.5363	15.5557	15.8937	16.1202	15.5718	8	8	8	6	5	6	5	7
THOC7	Q6I9Y2	3.66E-09	1.41E-09	0.309165		1.0814	2.07849		14.8464	14.9451	14.894	15.0096	14.4047	14.4275	14.5047	14.5834	6	6	6	6	5	6	3	5
HDC1	Q13547	9.73E-13	7.05E-13	0.309503		1.08132	2.07835		16.7111	16.7866	16.7314	16.7942	16.2583	16.3585	16.1861	16.5706	10	11	12	10	11	11	11	11
HFAC1	P51610;P5	8.20E-12	4.89E-12	0.310056		2.18706	4.08024		16.3859	16.3545	16.3143	16.1393	16.1178	15.9406	15.8743	16.1357	31	31	32	30	28	29	29	32
COG5	Q5HMK3	0.000133	3.11E-05	0.310271	+	1.42733	2.66283		14.2694	14.4873	14.2375	14.1168	14.2417	13.9897	13.9666	13.788	4	3	4	3	2	3	2	3
FIN	P06241	0.001422	0.000253	0.310305		3.32263	7.60538		14.1457	14.1576	14.394	14.3313	13.2986	14.8423	13.2679	13.8703	5	4	3	5	2	3	2	3
SEMA3C	Q99985	0.000181	4.14E-05	0.310969		0.358503	0.842337		14.5727	14.5574	14.5634	13.4557	NaN	14.9565	14.1728	14.4293	11	14	2	NaN	2	13	6	9
AGPS	O00116	1.69E-12	1.15E-12	0.311418	+	2.46973	4.68153		17.2402	17.2239	17.2373	16.9375	16.8416	17.0364	17.0719	16.7783	22	22	22	20	19	22	19	19
TBC1D2	Q98YX2	0.103E-09	4.28E-10	0.311537		0.411785	0.931692		15.8784	15.8928	15.9132	14.6667	15.7277	15.7739	16.1831	15.5656	17	16	17	13	10	15	15	15
ANK2	Q01484;Q0	5.36E-06	1.44E-06	0.311646	+	1.39619	2.60923		15.3751	15.484	15.5276	15.0277	14.9329	15.4203	15.1138	15.2581	22	22	22	16	11	17	13	18
CO3P3	Q9UN52	2.72E-10	1.22E-10	0.312676	+	1.50801	2.80291		16.8231	16.8253	16.8036	16.5777	16.2669	16.7656	16.4053	16.5085	15	14	13	14	13	14	13	13
PDGRI	Q9NUG6	9.57E-05	2.27E-05	0.312813	+	1.45792	2.71572		15.4011	15.4344	15.3467	15.3026	15.031	14.7892	15.1172	15.1663	4	4	4	4	2	1	3	3
PCYT2	Q99447;Q9	3.18E-08	1.09E-08	0.313529		1.28092	2.41285		17.165	17.052	17.1104	17.1375	16.8668	16.603	16.6756	16.695	15	16	16	15	13	14	15	14
ITPR1P12	Q3MIP1	4.26E-16	8.03E-16	0.314312	+	1.42442	2.65781		14.9867	14.9069	14.8956	14.652	14.3399	14.7725	14.8098	14.5029	5	5	6	4	3	5	4	3
ELP3	Q9H9T3;Q3	1.34E-11	7.60E-12	0.314498	+	1.58567	2.93959		16.0649	16.117	16.1083	15.5144	15.9622	15.7328	15.9258	15.7761	17	17	14	15	15	14	14	14
EBP	Q15125	2.81E-07	8.71E-08	0.314613		0.454644	1.01099		17.784	17.8661	18.3428	18.333	17.0416	17.6094	17.5339	17.897	2	2	2	2	2	2	2	2
TGFB11	O43294;O4	7.16E-10	3.01E-10	0.314843	+	1.87271	3.46376		18.2491	18.3078	18.262	17.8972	17.9706	18.2073	17.8008	17.9076	10	9	8	7	9	10	10	9
ZDHHC20	Q5W029;Q0	1.61E-06	4.56E-07	0.315019		0.991553	1.92915		15.7612	15.9393	15.7992	15.7549	15.3808	15.1225	15.7254	15.6075	3	3	3	4	2	3	4	3
CLCN6	P51797;P5	7.53E-06	2.00E-06	0.316189		1.09447	2.10024		15.5679	15.5658	15.402	15.1127	15.3406	15.0796	14.9113	15.5342	5	6	5	4	3	2	3	3
ACAD8	Q9UKU7	7.06E-09	2.61E-09	0.317851		1.20045	2.27732		14.9142	14.9842	14.9585	14.6395	14.7817	14.8665	14.2589	14.6256	6	6	6	6	2	4	5	4
FOCAD	Q5VW36	2.02E-10	9.24E-11	0.318011	+	2.35102	4.42303		15.6429	15.6465	15.5981	15.3596	15.3743	15.3462	15.3764	15.0993	33	33	34	30	25	31	29	27
RNH1	P13489	1.34E-10	6.32E-11	0.31809		1.28338	2.41702		21.2081	21.1644	21.1807	21.0015	20.5471	21.1148	20.9044	20.7638	26	25	26	26	25	26	26	26
SGCB	Q16585	1.09E-05	2.85E-06	0.318214		0.831662	1.66313		16.5551	16.8341	16.7414	16.072	16.3228	16.8829	16.432	16.2402	10	10	10	9	10	9	10	10
SON	P18583;P1	3.58E-11	1.87E-11	0.318362		1.02599	1.98635		15.6021	15.6698	15.7104	15.5844	14.8989	15.4696	15.3131	15.446	35	34	33	30	18	28	31	30
SFT2D2	O95562	1.02E-12	7.37E-13	0.318523		0.647605	1.35201		16.7876	16.7272	16.8145	17.1341	16.1161	16.4168	16.2824	16.3403	2	2	1	1	1	2	1	1
NFKB1	P19838;P1	3.89E-13	3.15E-13	0.318535	+	1.71052	3.16364		15.8535	15.8787	15.8247	15.5149	15.3242	15.7698	15.4507	15.6092	27	27	27	24	23	26	23	27
NTSDC3	Q86UY8;Q0	3.92E-07	1.20E-07	0.318546		0.720542	1.47635		15.7491	15.7652	15.7925	15.1115	15.9961	15.1487	15.4121	15.5832	8	10	9	8	8	8	9	9
MYO1E	Q12965	3.93E-16	7.44E-16	0.318954		1.06526	2.05162		16.4667	16.5183	16.5265	16.4635	16.1588	16.4199	15.8477	16.0346	36	37	37	36	29	35	32	32
PPID	Q08752	3.30E-12	2.11E-12	0.319139	+	2.7899	5.42692		16.6327	16.6153	16.6054	16.3559	16.2192	16.3686	16.3818	16.1678	15	18	15	17	16	17	15	15
LANCL1	Q43813	7.41E-14	7.33E-14	0.319187		1.0594	2.04188		17.816	17.9671	17.8184	17.186	17.7072	17.8466	17.57	17.4301	11	11	11	11	11	11	11	11
NASP	P49321	8.31E-21	7.58E-20	0.319714	+	1.46164	2.72218		16.4524	16.4692	16.4738	16.2557	16.2544	15.8143	16.1148	16.2879	23	23	23	19	19	23	23	23
FARP2	Q94887	1.46E-08	5.19E-09	0.31989	+	1.55249	2.88095		14.1074	14.0876	13.9596	13.5277	13.7406	13.9584	13.8426	13.5889	10	9	10	7	6	6	6	6
INTS6	Q9UL03;Q9	3.84E-05	9.52E-06	0.319966	+	2.16015	4.02546		14.4385	14.407	14.3891	14.1387	14.2045	13.865	14.1504	14.0992	7	5	6	3	6	3	3	4
RPA1	P27694	1.07E-09	4.42E-10	0.320033	+	1.60567	2.97511	</																

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
BDH2	Q9BUT1	1.68E-09	6.73E-10	0.32862	+	2.5207	4.79533		17.3511	17.2772	17.2364	16.9004	17.0914	16.9303	17.0462	16.8298	10	10	9	8	7	8	9	9
TNKS1BP1	Q9C0C2	6.47E-18	2.22E-17	0.32898	+	1.58129	2.93182		17.5494	17.5494	17.5829	17.0359	17.2261	17.5373	17.2222	17.1365	63	66	66	64	59	62	64	59
AKAP2	Q9Y2D5-6	1.90E-14	2.22E-14	0.329667		0.767798	1.5561		17.7575	17.7735	17.7865	17.8987	17.4218	17.4295	16.9102	17.554	42	46	44	41	38	46	42	39
VTAI	Q9NP79	2.86E-07	8.85E-08	0.330003	+	1.77945	3.28985		18.027	18.0493	18.0349	17.9719	17.525	17.6311	17.6597	17.7478	10	10	10	11	10	10	10	10
SP1	P08047;P0	0.001999	0.000392	0.330083		0.299337	0.723216		12.2608	12.3632	12.3714	12.6064	10.8817	NaN	12.1475	12.3712	3	2	2	2	2	NaN	2	2
GGA2	Q9UIJ4	0.000299	6.65E-05	0.330331		0.260909	0.635772		12.8407	13.9343	13.7542	14.4113	12.0569	13.6474	13.7636	13.6244	4	5	4	4	2	3	3	3
UBA3	Q8TBC4	9.10E-13	6.66E-13	0.330423	+	3.03332	6.04657		16.9665	16.994	16.9879	16.5939	16.6743	16.7904	16.5512	16.6521	17	16	15	15	15	15	16	16
PPSPC	P53041	2.04E-12	1.84E-12	0.33055	+	4.04337	2.24432		17.239	17.3322	17.2856	16.9315	16.9471	16.9928	16.8887	17.015	20	21	19	18	17	18	19	17
TBCEL	Q5QJ74	1.43E-12	9.94E-13	0.330959	+	1.0669	2.05436		16.3033	16.4011	16.3381	15.7501	15.8704	16.3583	16.246	15.8578	9	9	9	8	7	10	9	7
HACL1	Q9UIJ83;Q8	4.77E-10	2.06E-10	0.331663		0.892994	1.76538		14.8796	15.0233	15.0163	14.2047	14.8005	15.0288	14.6632	14.5098	6	5	7	3	2	4	4	3
P3H3	Q8IVL6	4.77E-09	1.81E-09	0.332281		1.03236	1.99693		18.6953	18.7994	18.7435	18.1806	18.3817	18.687	18.7063	18.1131	19	18	19	17	14	18	18	17
TEAD1	P28347	1.11E-08	4.02E-09	0.332627	+	1.45668	2.71357		15.6702	15.7662	15.6899	15.4599	15.5939	15.1195	15.2077	15.4996	8	8	8	7	4	5	4	5
IKF9	Q00978	0.000113	2.65E-05	0.334068	+	1.7811	3.2929		15.5667	15.4148	15.5047	15.0551	15.3559	15.3188	15.0389	15.038	3	5	5	5	4	4	2	3
GTF3C3	Q9Y5O9	8.40E-11	4.08E-11	0.334442	+	2.05856	3.82217		14.7704	14.6698	14.7534	14.2084	14.3877	14.5124	14.3192	14.5561	8	10	8	6	3	6	6	5
MIF4G	A9UHW6	0.003467	0.000636	0.33538		0.476031	1.04997		14.5035	14.0791	14.8918	13.5686	13.9078	14.1011	14.528	14.675	5	4	6	2	3	3	4	3
PCBP4	P57723	0.008194	0.001421	0.336178		0.403038	0.989583		14.6217	14.9384	15.0902	14.9353	14.1592	NaN	NaN	NaN	1	2	2	2	2	NaN	NaN	NaN
AKR7A2	O43488	4.92E-07	1.49E-07	0.336303		1.08444	2.08355		19.1087	19.116	19.151	18.3181	18.9387	18.975	18.9021	18.8108	12	12	11	11	12	11	12	12
HNRNPCC	P07910-2	0.002327	0.000449	0.337494		0.749448	1.5252		17.0992	16.8387	16.861	16.7618	16.1839	16.8642	16.2376	16.9299	2	3	3	2	2	3	2	2
DHRS1	Q96U17	4.54E-11	2.32E-11	0.33789		0.442024	0.987812		15.5356	15.4391	15.4561	14.6885	15.9905	15.124	14.5535	15.3389	8	8	8	6	8	5	8	7
MNP1L8	Q9H0U6	0.000507	0.000109	0.338336		1.02736	1.98863		16.8801	16.8869	16.9584	16.632	16.8066	16.2156	16.3231	16.8433	3	3	3	3	1	2	3	3
RBMS3	Q6K6Z4;Q8	0.001136	0.000233	0.338795		0.441787	0.987377		17.014	16.8983	17.0719	16.4461	16.6087	17.4017	16.9534	15.8699	3	3	3	2	2	3	1	2
DENND2B	P78524	2.76E-08	9.52E-09	0.340161		0.63271	1.35633		15.2164	15.0421	15.0056	14.31	NaN	15.1246	14.48	15.0767	6	6	6	2	NaN	5	2	1
EXOSC5	Q9NGT4	3.12E-12	2.00E-12	0.340234		1.16982	2.22602		15.7039	15.7737	15.6777	15.4735	15.0963	15.128	15.6717	5	5	4	5	5	5	5	5	
SUMF1	Q8N8K3;Q8	7.61E-07	2.24E-07	0.340368		0.752502	1.53034		16.8429	16.8341	16.7578	16.4798	16.126	16.9611	16.6956	16.0937	5	5	5	5	5	5	5	5
AS3MT	Q9H8K9	0.0001	2.37E-05	0.340427	+	1.30259	2.44956		15.4276	15.491	15.4338	15.0358	15.321	14.8865	15.3898	14.9187	8	8	8	7	7	7	7	4
ECI2	Q75521;O1	1.99E-09	7.91E-10	0.340574	+	1.56082	2.89565		16.9025	16.9233	16.9495	16.8791	16.4007	16.623	16.4067	16.6133	17	17	17	17	15	14	16	16
NUPRL	Q8TB37	0.000144	3.35E-05	0.341089		0.911814	1.79668		15.1377	15.36	15.1881	14.3902	15.174	15.1008	14.9279	14.8449	5	5	6	2	5	6	4	5
TMEM263	Q8UWH6	2.21E-09	8.69E-10	0.341399		0.885426	1.75278		17.2638	17.2794	17.4918	16.942	16.7061	17.3615	17.2991	16.7093	5	5	5	5	5	5	5	5
ITF81	Q8WYAD	5.96E-06	1.60E-06	0.341659		0.698193	1.43844		14.5945	14.4942	14.5003	13.6624	14.6541	14.424	13.9214	14.2781	4	5	5	2	2	3	2	3
HIKESHI	Q53FT3	1.42E-09	5.75E-10	0.34181		0.953788	1.86643		15.5632	16.6462	16.509	16.3208	15.6938	16.4255	16.3829	16.332	5	5	5	4	3	5	4	4
DOCK1	Q14185	1.30E-18	5.55E-18	0.341872	+	1.74524	3.22698		15.3525	15.3926	15.391	15.119	15.1687	15.1901	14.9241	14.7821	38	41	40	32	26	34	26	21
MNPS12	Q15235	5.62E-07	1.68E-07	0.342266	+	2.9449	5.81579		16.0937	16.2577	16.1502	15.871	15.7919	15.9382	15.7849	15.7387	3	3	3	3	3	3	3	3
NELFCD	Q8IKH7;Q8	1.77E-10	8.18E-11	0.342932	+	2.54317	4.84607		15.6466	15.7424	15.7497	15.5279	15.4302	15.3171	15.239	15.3356	12	12	11	11	4	9	9	9
GCAT	Q75600;O1	0.59E-07	1.53E-07	0.343093		1.14675	2.28238		15.085	15.1129	15.109	14.5803	NaN	14.5188	14.8809	15.0568	7	7	7	2	NaN	3	2	2
SMAD2	Q15796;Q1	2.05E-06	5.75E-07	0.343389	+	1.52557	2.83364		16.2873	16.3182	16.1961	16.1373	15.9714	15.8733	15.6128	16.0242	4	4	4	3	3	3	3	3
SRP19	P09132	3.78E-08	1.28E-08	0.343659	+	2.07901	3.86265		17.0229	17.036	16.937	16.5154	16.5013	16.831	16.6795	16.7476	3	4	4	4	4	4	4	3
LZTF1L	Q9NQ48	2.30E-08	8.00E-09	0.344094		0.896246	1.77079		15.4747	15.5084	15.5715	14.6965	15.1067	15.3269	15.7888	15.1618	11	11	10	9	11	10	11	11
MYG1	Q9H807	1.59E-14	1.90E-14	0.344286	+	2.29969	4.314		17.84	17.8812	17.844	17.524	17.3525	17.7708	17.5354	17.434	11	12	12	11	11	11	11	11
FYCO1	Q9BQ58;Q8	2.21E-14	2.53E-14	0.344709	+	2.03094	3.76784		16.3497	16.3419	16.3381	16.2227	16.0581	15.8635	15.9981	15.8501	11	37	36	36	31	31	34	29
CLRL	Q9NZP8	0.028343	0.004666	0.344755	+	1.54996	3.36451		13.908	13.5845	13.62	13.3564	13.3586	13.3632	NaN	NaN	1	2	2	2	2	2	NaN	NaN
ASMTL	Q95671	9.11E-22	1.08E-20	0.345343		0.561319	1.20217		15.7936	15.8466	15.7619	15.5637	15.5847	15.5944	15.9019	14.6322	16	18	16	17	16	16	18	13
THOC3	Q96101	3.57E-06	9.81E-07	0.345389	+	3.42674	7.16064		16.2832	16.2737	16.19	15.8907	15.8773	15.9832	15.9637	15.803	8	9	9	9	8	8	9	8
FAM118B	Q9BPY3	0.002926	0.000547	0.34659		0.773738	1.56608		14.9681	14.6678	15.0608	14.8449	14.9077	14.9308	14.4106	14.4846	4	4	4	4	4	4	4	3
PPWD1	Q96BP3	4.01E-12	2.51E-12	0.347098	+	1.84917	3.4195		14.9801	15.0803	15.0387	14.9119	14.5329	14.7974	14.5349	14.6526	15	14	15	14	6	12	10	13
ZCCHC3	Q9NUD5	0.002742	0.000518	0.34767		0.552335	1.24731		14.0124	13.6321	13.8662	NaN	NaN	12.9966	13.855	13.6161	3	2	3	NaN	NaN	1	2	1
ELOW5	Q9NYP7;Q8	0.000443	9.61E-05	0.348698	+	1.39773	2.61188		17.7787	17.9308	17.9141	17.739	17.274	17.7288	17.3363	17.551	2	2	2	2	2	2	2	2
GPR89A;GPR89A;GPR89A	B7ZAQ6;B7	2.80E-09	1.09E-09	0.348859		1.21266	2.29782		15.7335	15.5272	15.6384	15.0271	15.0326	15.5048	15.5242	15.3322	4	5	4	4	4	4	4	4
UOCC2	Q9BRT2	5.80E-09	2.17E-09	0.348877		0.465172	1.03023		16.0258	15.8293	15.8929	15.9938	14.7094	15.3097	15.755	16.0678	3	4	4	3	3	2	4	4
UBE2I	P63279	3.02E-13	2.53E-13	0.350008		0.57073	1.21868		18.1287	17.9733	18.2562	18.2353	17.537	17.1164	17.7519	18.2058	8	7	8	8	8	7	8	8
FIS1	Q9Y3D6	5.71E-08	1.90E-08	0.350303		0.382871	0.87719		18.3435	18.2174	18.4146	18.5071	17.576	17.0062	18.2431	18.5419	5	4	4	4	5	4	5	5
MTX3	Q5HYI7;Q5	2.20E-08	7.65E-09	0.350457																				

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control 1	Log2 MS2_quantity_ Control 2	Log2 MS2_quantity_ Control 3	Log2 MS2_quantity_ Control 4	Log2 MS2_quantity_ Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5
YBX3	P16989-2	0.003237	0.000598	0.364114		0.860908	1.71194		15.4815	15.1955	15.3731	14.8037	14.6612	15.5565	14.9773	14.9308	2	2	2	1	1	2	1	1
TXLNG	Q9NUQ3-Q	3.61E-06	9.90E-07	0.364182		1.03496	2.00125		15.9346	16.1317	16.1188	15.8807	15.5382	15.4814	15.4591	16.1285	5	5	5	5	3	5	1	5
NFIC	P08651-Q	1.60E-16	3.58E-16	0.36452	+	1.82388	3.37222		15.5342	15.5769	15.4994	15.1522	15.4011	15.0255	14.9798	15.3029	5	7	6	5	3	6	5	5
RGPD8;RGPD5	O14715-Q	0.000171	3.93E-05	0.365036		0.490027	1.09466		15.2028	14.7901	15.3441	15.0334	NaN	14.0328	14.7343	15.1887	1	1	1	1	NaN	2	2	1
HSD3B7	Q9H2F3	5.11E-08	1.70E-08	0.365596		0.347809	0.809852		14.8107	14.8264	14.9164	15.7196	14.1726	14.4362	14.426	13.6736	5	6	7	6	3	4	2	1
DOK6	Q96HP0	0.001595	0.00032	0.366197		0.420491	0.947937		13.85	13.9335	13.5728	12.5711	14.0302	13.2284	14.0731	13.1934	4	4	2	1	3	2	3	1
TARBP1	Q13395	3.30E-05	8.24E-06	0.366318		0.869647	1.7265		14.1523	14.147	14.1723	13.7824	14.1565	14.0028	13.794	13.2187	3	4	5	4	3	4	3	3
WDR33	Q9C0I8	4.43E-06	1.21E-06	0.366375	+	1.587	2.94195		14.8084	14.7465	14.885	14.663	14.2442	14.5963	14.5095	14.2215	7	6	7	7	3	4	5	6
SH3GLB2	Q9NR46	1.17E-14	1.45E-14	0.36658	+	1.87826	3.47422		16.4667	16.4936	16.4717	16.12	16.268	15.8506	16.2758	16.0393	13	13	14	12	13	13	13	13
INT55	Q6P9B9	3.57E-06	9.80E-07	0.366992	+	3.06814	6.13932		14.8091	14.8334	14.8753	14.3837	14.6153	14.4494	14.3908	14.5221	5	8	8	4	4	5	5	4
VKORC1	Q9B0B6-Q	0.001252	0.000255	0.367459	+	1.3232	2.48455		20.4716	20.2206	20.401	19.817	20.0683	19.9465	20.3592	19.7937	2	2	2	2	2	2	2	2
OSBP6	Q9B2F3-Q	0.001338	0.000271	0.36748	+	1.73527	3.20873		14.9199	14.9721	14.9237	14.3602	14.4097	14.7658	14.7639	14.5559	6	7	9	4	4	4	7	4
PLEKHO2	Q8TD55	1.50E-08	5.32E-09	0.367856	+	1.26201	2.38091		16.9076	16.8103	16.862	16.0693	16.6779	16.7155	16.5159	16.4819	12	13	13	12	12	13	14	12
BRD3	Q15059	0.000749	0.000157	0.368004		0.695161	1.43328		14.8086	14.6571	14.5303	14.1896	14.9598	14.1833	13.8103	14.3437	3	3	3	3	2	2	1	2
SLC5A3	P53794	0.000859	0.000179	0.368196		0.567335	1.2376		15.6644	15.5383	15.6791	15.4252	14.5187	NaN	15.4909	15.6014	4	4	4	4	2	NaN	3	3
PALLD	Q8WXX3-Q	1.51E-20	3.50E-19	0.368704		0.764505	1.55056		15.6236	15.5377	15.5225	15.0338	18.3142	18.6929	17.6012	18.1541	28	26	27	24	24	28	25	25
SHMT1	P34896-Q	7.86E-14	7.72E-14	0.368977		0.372678	0.857763		16.9352	16.9325	16.8671	16.7635	17.4168	16.4582	15.4258	16.6488	9	9	9	9	9	8	5	8
ALDH9A1	P49189	1.11E-15	1.88E-15	0.369046		0.983696	1.9161		16.6827	16.6674	16.6303	18.0447	18.289	18.733	18.46	17.9288	20	21	21	19	19	20	20	20
EEFSEC	P57772	7.36E-11	3.61E-11	0.369169	+	1.86972	3.45812		15.4437	15.5534	15.4889	15.0257	14.9766	15.2244	15.3871	15.017	17	18	18	15	12	16	15	15
VPS13C	Q709C8-Q	1.86E-22	2.66E-21	0.369264	+	1.36946	2.56346		15.7585	15.7603	15.7406	15.2734	15.3747	15.6347	15.5915	15.0449	75	71	73	59	42	67	69	40
MITF17A	Q9HHB3	2.65E-06	7.37E-07	0.369267		0.641982	1.34234		16.1774	16.1478	16.1037	15.0275	16.1	16.1031	16.0097	15.6283	5	5	5	2	5	4	4	2
EZR	P15311	2.56E-24	7.58E-23	0.369635		1.04478	2.01758		18.8275	18.8624	18.8204	17.9761	18.7564	18.5364	18.6715	18.3953	25	25	25	25	24	24	24	24
DAZAP1	Q96EPP-Q	1.52E-05	3.92E-06	0.36981	+	2.01555	3.73773		18.0681	18.1596	18.0805	17.9358	17.5595	17.862	17.6048	17.7026	8	8	8	8	8	8	8	8
CCDC51	Q96ER9-Q	0.002752	0.000519	0.372402		0.960041	1.87682		14.1834	14.4497	14.4184	14.4307	13.5758	13.8203	14.0713	13.9925	3	3	3	2	1	3	3	1
TAC01	Q9BSH4	4.12E-17	1.08E-16	0.373322	+	3.2027	6.5587		15.9837	16.0639	15.9756	15.5238	15.7111	15.6525	15.5611	15.7134	11	11	11	12	9	11	9	11
AGPAT4	Q9NRZ5	2.21E-15	3.43E-15	0.37392		0.726872	1.48707		16.1308	16.1501	16.0072	15.6952	15.7247	16.1554	15.9798	15.0555	8	8	8	7	5	8	5	4
APX1	P27695	1.35E-11	7.66E-12	0.374626	+	3.6095	7.7164		18.2224	18.1954	18.222	17.791	17.8875	17.8459	17.9733	17.7315	21	21	21	20	19	20	21	20
ACAD11	Q709F0	0.86E-10	2.89E-10	0.374896		0.782823	1.58135		15.9591	16.1291	16.0038	15.1492	15.4629	15.5633	16.0723	16.0311	11	13	12	10	9	9	12	14
PTPRA	P18433-P1	0.000551	0.000118	0.375188		1.06208	2.04634		15.3062	15.5046	15.3022	15.2135	15.2309	15.1585	14.56	14.816	7	7	5	7	4	4	3	3
BNIP1	Q12981	1.23E-05	5.87E-06	0.375994		0.846439	1.6878		15.9867	16.0042	15.9841	15.762	15.5818	14.9843	15.9076	15.8429	6	7	8	5	5	4	6	7
SNRPD2	P62316	6.03E-13	4.60E-13	0.37617	+	1.72321	3.18673		19.3682	19.4655	19.4028	19.2537	19.0415	18.7324	19.0087	19.1435	10	10	10	10	10	10	10	10
AHNAK2	Q8WVF2-3	2.56E-24	7.58E-22	0.376858		0.656358	1.36703		17.3793	17.3427	17.3976	17.7423	16.7425	16.7983	16.5753	17.1231	183	184	185	166	156	163	158	157
P12268	P12268	3.01E-14	3.31E-14	0.377326	+	1.74499	3.22652		18.6339	18.6557	18.6477	18.1971	18.1059	18.5793	18.1238	18.336	25	25	25	24	24	25	24	25
DBR1	Q9UK59	6.45E-07	1.92E-07	0.377717	+	3.66188	7.90215		15.867	15.8749	15.9638	15.6063	15.5685	15.424	15.5316	15.4907	8	9	9	8	6	6	8	6
TUT1	Q9H6E5	0.002862	0.000537	0.377738	+	1.39514	2.60744		14.8923	14.9959	14.8995	14.7241	14.1637	14.7598	14.5011	14.6088	1	1	1	1	1	2	1	1
SUOX	P51687	2.84E-08	9.78E-09	0.378008		0.907799	1.79001		15.1123	15.3975	15.0371	14.6278	14.6643	15.1659	15.1332	14.4304	2	4	4	2	1	2	3	2
PDHB	P11177-P1	5.02E-13	3.93E-13	0.378065	+	1.6443	3.04411		18.247	18.2333	18.2416	18.0941	18.0456	17.7001	17.8551	16.7618	16	16	16	15	16	16	16	16
RPP38	P78345	5.05E-05	1.24E-05	0.378192	+	2.19459	4.09564		16.2223	16.1815	16.183	15.9371	15.6482	16.0185	15.7423	15.7409	7	7	5	4	3	5	5	5
GNPMB	Q14956-Q	1.81E-07	2.39E-07	0.378964		0.835101	1.66888		19.8241	19.9186	19.9368	19.102	19.5172	19.3428	20.124	19.4862	4	4	3	3	3	3	4	3
YEATS2	Q9ULM3	0.009175	0.001582	0.379149	+	1.33893	2.64279		14.3748	14.5582	14.4301	14.2008	14.2538	13.7431	NaN	20.124	14.1032	1	2	1	2	1	NaN	1
GPTRB6	O43824	3.06E-05	7.65E-06	0.379742	+	3.51904	7.44447		14.9724	14.8992	14.8533	14.5084	14.5757	14.4135	14.6066	14.5386	10	10	9	8	5	8	8	6
FHO01	Q9Y613	5.31E-17	1.36E-16	0.380191	+	2.27501	4.26215		16.2136	16.2108	16.2035	15.924	15.9989	15.7619	15.6128	15.848	24	25	24	23	23	23	22	25
SLC27A1	Q6PCB7	2.80E-10	1.25E-10	0.380693		0.690198	1.42483		15.8668	15.8298	15.7775	14.8055	15.9449	15.7224	15.2106	15.5367	11	13	13	9	13	14	12	10
ADD1	P35611-P3	9.53E-13	6.93E-13	0.381759	+	1.42841	2.66469		17.7955	17.8356	17.7701	17.5065	17.3673	17.7159	17.059	17.4447	24	24	25	23	20	23	23	23
MTMFD2	P13995	2.15E-13	1.87E-13	0.382082		0.43736	0.979211		17.0583	17.0872	17.0381	16.0057	16.1529	17.2779	17.4497	16.5095	9	9	8	7	7	8	8	8
BAT2	Q15382	3.87E-11	2.00E-11	0.382222	+	2.15128	4.00748		16.3032	16.2907	16.2946	16.1359	15.9167	15.9936	15.7496	15.7739	10	10	10	11	9	11	9	10
SLC27A3	Q5K4L6	4.22E-07	1.28E-07	0.382363		0.992336	1.93045		16.1022	14.8332	15.0098	14.1908	14.2518	14.8467	14.8408	14.7268	5	4	5	2	1	4	4	2
PPT1	P50897	2.54E-05	6.39E-06	0.382387		1.04141	2.01198		16.8694	16.8529	16.9424	16.2439	16.5057	16.3581	17.048	16.3736	6	6	5	5	4	4	5	5
TCEA1	P23193	9.20E-13	6.72E-13	0.382544	+	1.72948	3.19817		16.7704	16.8187	16.7207	16.2315	16.2251	16.6668	16.5224	16.2914	16	16	16	15	14	15	17	15
ARID5B	Q14865-Q	0.000108	2.55E-05	0.384133		0.449327	1.01804		13.8222	13.4312	13.134	12.8524	12.377											

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
PLD3	Q8IV08	1.76E-10	8.14E-11	0.399617	+	1.97089	3.65103		18.693	18.7695	18.7484	18.413	18.1853	18.1128	18.5472	18.4286	11	10	12	10	10	9	10	10
ALAD	P13716;P1	4.87E-18	1.75E-17	0.399825	+	1.56015	2.89445		17.6527	17.6587	17.2344	17.6741	17.5909	17.3768	17.1075	17.0005	9	9	9	9	9	9	9	9
UBTF	P17480-2	3.22E-13	2.66E-13	0.400061	+	3.35904	6.95816		15.7409	15.6974	15.7291	15.4038	15.1921	15.3581	15.2542	15.4039	21	21	22	20	15	18	16	19
ITH2	P19823	4.19E-09	1.60E-09	0.400139		0.847501	1.68958		15.2578	15.1963	15.241	15.4008	14.7914	14.6251	14.3473	14.9932	4	4	4	4	2	4	3	4
DYNC2H1	Q8NCM8;Q	4.00E-12	2.50E-12	0.401206		0.457952	1.01704		14.4962	14.3495	14.3832	12.8746	14.1015	14.4716	14.4753	14.1191	5	6	8	3	4	5	4	3
ZNF503	Q96F45;Q	4.62E-15	6.48E-15	0.401477		1.03674	2.08149		14.0364	14.3203	14.5883	13.6253	14.2131	14.1853	NaN	14.275	1	1	1	1	1	NaN	1	1
WIPI1	O43516;Q	1.64E-08	5.81E-09	0.401934		1.19532	2.26872		17.4469	17.4283	17.4079	17.4968	17.0809	16.7059	16.8786	16.9666	9	9	9	9	9	9	9	9
ERBB2	P04626;P	5.13E-07	1.55E-07	0.401962		0.566564	1.21138		14.5031	14.7658	14.4379	14.8594	13.3656	14.3395	14.0236	12.468	4	3	2	4	3	2	3	3
PCYOX1L	Q8NBM8	0.000774	0.000162	0.40291	+	1.33328	2.5017		15.9794	15.9349	15.8837	15.7855	15.6444	15.7194	15.1607	15.3388	5	5	5	5	5	5	4	5
AASS	Q9UDR5	1.92E-11	1.06E-11	0.403795		1.28769	2.42431		15.5978	15.7476	15.6055	15.357	15.5595	15.3974	14.9599	14.9589	16	17	16	12	8	8	4	7
FHL3	Q13643	7.36E-11	3.61E-11	0.403945		0.848756	1.69167		17.0515	17.1017	17.0721	16.6389	16.2404	17.2874	16.7707	16.4183	8	7	9	7	7	8	7	7
PFDN1	O60925	2.03E-06	5.69E-07	0.40404		0.425914	0.95802		17.8356	17.5284	18.2281	18.1509	16.8571	16.9143	17.1831	18.1947	3	3	3	3	3	3	3	3
ITGB5	P18084	1.80E-17	5.27E-17	0.404307		0.67436	1.39783		16.8972	17.0493	17.0332	16.759	16.158	17.3472	16.4236	16.2568	23	24	23	23	18	24	25	23
UZAF2	P26368;P2	7.95E-18	2.63E-17	0.404809	+	1.5948	2.95578		17.9274	17.9766	18.0366	17.7964	17.2836	17.7441	17.3889	17.6639	13	12	12	13	12	12	11	11
NTSC	Q8TCD5	1.49E-08	5.31E-09	0.406424		0.889122	1.75893		16.6871	16.9214	16.9405	16.2403	16.9584	15.9671	16.6091	16.4414	7	7	7	7	5	7	8	7
SFXN3	Q9BWM7	1.82E-14	2.14E-14	0.406677	+	2.14728	3.99939		18.4375	18.4477	18.4464	18.0554	17.984	17.7929	18.2618	18.0917	12	12	12	12	12	11	12	12
ARL3	P36405	0.000198	4.51E-05	0.407538	+	1.59152	2.94997		18.7568	18.7626	18.84	18.1661	18.1517	18.4199	18.7052	18.4518	4	4	8	7	7	7	8	7
PHLDA3	Q9Y5J5	1.71E-16	3.79E-16	0.409282		0.762004	1.54635		16.2024	16.3151	16.3666	16.3472	15.1631	15.8899	16.0691	15.9576	4	4	4	4	3	4	4	4
MIETL26	Q96519	8.57E-23	1.47E-21	0.409333		1.20137	2.7888		16.4378	16.2339	16.5135	15.7169	16.449	16.0395	15.8781	15.8451	5	5	5	3	6	5	3	4
GABPA	Q06546	3.71E-20	2.74E-19	0.409556		2.24262	4.39463		15.5036	15.6103	15.6814	15.4423	15.1381	15.0779	15.0801	15.206	7	9	8	8	6	6	7	8
RPP25L	Q8NSL8	0.007644	0.001333	0.410033		1.08603	2.08619		16.592	16.4639	16.4696	16.4988	16.1531	16.0705	15.5944	16.1755	2	2	2	1	2	1	2	1
PPA2	Q9H2U2;Q	5.57E-15	7.56E-15	0.410808	+	2.102	3.90842		16.4247	16.4538	16.4727	16.0053	15.7939	16.022	16.2806	16.006	16	16	16	14	11	12	14	13
LRIFP1	Q3ZM24-4	7.53E-06	2.00E-06	0.411139		0.937976	1.84017		16.3028	16.2868	16.1782	16.2057	15.8532	15.4362	15.5078	16.2211	8	7	6	5	4	4	5	4
TRAPP6B	Q865Z2	3.37E-07	1.04E-07	0.411159		1.00238	1.94713		15.2211	15.0664	15.092	15.1541	14.2449	14.518	14.9011	14.7563	7	8	7	4	5	5	6	6
MNR143	Q8N983;Q	0.001539	0.000309	0.411642		0.490569	1.07626		16.0466	15.9863	16.0105	16.0925	15.5023	16.508	15.7114	16.1471	3	3	3	3	3	3	4	3
OSBPL1A	Q9BXW6	7.72E-05	1.85E-05	0.411769	+	2.03341	3.77268		15.6766	15.8014	15.7331	15.5449	15.3469	15.4364	15.1354	15.1561	14	15	16	10	8	13	9	9
SARS1	P49591	5.78E-07	1.73E-07	0.411896		1.02268	1.98086		18.804	18.8153	18.8146	18.0465	18.143	18.6983	18.8362	18.2732	31	31	32	26	27	31	31	28
SERAC1	Q961K3	0.001009	0.000208	0.412792		0.353797	0.821457		13.81	13.523	13.7242	13.178	13.426	14.5869	12.3665	12.8073	1	1	1	1	1	1	1	1
CNOT6L	Q96L15	0.001019	0.00021	0.413038		1.23015	2.32722		14.6609	14.1578	14.4698	13.8057	14.0216	14.2445	14.2589	13.7516	2	1	2	2	2	2	2	1
ROBO1	Q9Y6N7;Q	1.09E-05	2.86E-06	0.413719		0.462032	1.0245		14.7429	14.8374	14.7937	13.4498	15.0569	14.4518	14.9584	13.9712	4	4	3	4	3	3	4	3
MRF521	P82921	1.56E-10	7.29E-11	0.413868	+	2.08043	3.86546		16.082	15.8585	15.5688	15.4953	15.6632	15.8685	15.8685	15.8685	3	3	3	3	2	2	2	2
MON1A	Q86VX9;Q	0.046519	0.007567	0.414834		0.167032	0.436442		15.234	NaN	15.0411	15.3864	12.4788	15.172	15.5306	15.0458	1	NaN	2	2	2	1	2	2
SLC16A1	P53985	4.33E-07	1.31E-07	0.415015		0.899775	1.77666		15.4599	15.4909	15.5118	14.7752	14.7529	15.5894	15.4006	14.8546	9	9	9	7	7	9	8	8
PILOD1	Q02809;Q	1.36E-06	3.90E-07	0.416611	+	1.52399	2.83087		19.6652	19.6923	19.6814	18.9398	19.375	19.4579	19.4812	19.0612	34	34	34	34	34	35	34	34
CLF1	Q92879-4	3.79E-13	3.07E-13	0.419337		1.1594	2.20859		19.6187	16.9805	16.892	16.8413	16.1079	16.7559	16.2591	16.591	14	14	14	14	14	14	14	14
SLC9A6	Q92581-2	1.01E-08	3.66E-09	0.420004		1.21604	2.30351		15.6229	15.5628	15.5672	15.5064	14.6939	15.3255	15.0888	15.2069	3	3	3	3	3	3	3	3
RAB8B	Q92930	1.16E-07	3.73E-08	0.420102	+	1.70408	3.15195		16.7427	16.7404	16.7398	16.5155	16.3646	16.3903	15.9347	16.3992	5	6	5	5	5	5	5	6
SNTR8	Q13425	1.52E-15	2.48E-15	0.420188	+	2.61541	5.01156		17.2563	17.2672	17.2042	16.8431	16.9615	16.9344	16.6251	16.7479	21	21	20	19	20	19	18	18
TRIM5	Q9CD35	4.23E-07	1.29E-07	0.420209	+	1.78251	3.29549		15.5667	15.6569	15.6568	15.496	15.2194	14.9342	15.0944	15.2889	10	10	9	8	7	8	8	8
GLYR1	Q49A26;Q	1.16E-11	6.62E-12	0.421829	+	1.44891	2.70011		18.0754	18.0421	18.0147	18.0023	17.4048	17.7689	17.3913	17.5439	9	10	10	7	6	8	6	7
SGP11	Q95470	8.01E-11	3.90E-11	0.422698	+	1.8301	3.38383		15.4603	15.5329	15.5036	15.0665	14.9149	15.4074	15.1061	14.8861	7	15	15	13	9	14	16	11
TCOF1	Q13428;Q	2.82E-07	8.75E-08	0.423426	+	3.88542	8.66638		15.4722	15.521	15.4784	14.9762	15.0237	15.0972	15.0524	15.1861	23	22	21	19	12	18	20	18
DBT	P11182	3.22E-10	1.42E-10	0.425885	+	1.42961	2.66676		15.6115	15.5312	15.5592	15.1356	15.1019	15.5894	14.9502	14.9299	12	12	11	13	9	13	12	13
NUDT16	Q96DE0	1.07E-09	4.43E-10	0.426412		0.750424	1.52684		16.8523	16.8353	16.957	16.9012	16.3804	15.7069	16.5148	16.7724	10	11	11	11	7	9	10	10
SUB1	P53999	4.79E-09	1.81E-09	0.426597	+	1.787	3.3038		19.2497	19.2736	19.2561	19.1367	18.5744	18.9531	18.7615	18.7403	10	10	10	10	10	10	10	10
MAN2C1	Q9NT14;Q	8.47E-15	1.09E-14	0.429065		1.18524	2.25183		16.7227	16.8214	16.7938	16.3428	16.3851	16.8483	16.1764	15.9985	8	8	8	8	4	8	7	6
AP5B1	Q2VP87	3.51E-08	1.19E-08	0.429369		1.2399	2.34364		14.6616	14.3921	14.4595	13.6452	14.3388	14.1601	14.176	13.7216	5	2	5	3	2	1	3	3
MCC2	Q9HCC0;Q	2.73E-12	1.78E-12	0.430652	+	2.32977	4.37771		16.5774	16.5543	16.5437	16.0101	16.0235	16.4076	16.0566	16.1412	14	15	15	13	10	14	12	11
CDH11	P55287	4.93E-06	1.33E-06	0.432213	+	5.30777	15.3004		15.6567	15.7623	15.6856	15.2559	15.2453	15.2976	15.3005	15.2473	7	9	10	8	5	8	7	9
MTAR2	Q96923	0.003422	0.000629	0.432344		0.552333	1.18634		14.8015	14.8527	14.8081	13.4528	14.411	15.1191	14									

Gene names	UniProt IDs	Protein Group P- value	Protein Group Q- value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p- value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control 1	Log2 MS2_quantity_ Control 2	Log2 MS2_quantity_ Control 3	Log2 MS2_quantity_ Control 4	Log2 MS2_quantity_ Control 5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control 1	Number Peptides for Quantitation Control 2	Number Peptides for Quantitation Control 3	Number Peptides for Quantitation Control 4	Number Peptides for Quantitation Control 5	
TMPO	P42167	2.01E-13	1.77E-13	0.446916	+	4.82885	12.6682		18.4893	18.5395	18.5103	18.0804	18.1258	18.0305	17.988	18.106	21	21	20	20	21	20	19	21	
HMG81	P09429	1.62E-05	4.17E-06	0.447502	+	3.69714	8.0187		19.0078	19.0053	19.0208	18.4683	18.6078	18.6564	18.4583	18.6282	15	14	15	15	12	12	10	14	
FADS1	O60427	6.97E-10	2.93E-10	0.447547	+	2.14314	3.99103		15.7351	15.6662	15.7398	15.4261	15.2766	15.386	14.9539	15.2882	9	11	11	9	6	10	8	7	
NUMA1	Q14980	1.65E-23	3.59E-22	0.447617	+	3.7157	8.08064		16.4363	16.4379	16.4442	15.9252	16.0833	15.8652	16.028	16.0577	84	85	84	81	66	74	74	73	
SNRBP;SNRBP;SNRBP	P14678;P1	5.53E-07	1.65E-07	0.447882	+	1.31768	2.47517		19.0464	19.0797	19.0647	18.8417	18.6305	18.1103	18.6339	18.8621	8	8	8	8	8	8	8	8	
IFTM3	Q01628	1.48E-11	8.34E-12	0.448089	+	0.774091	1.56668		15.7118	15.8874	16.0968	15.7076	14.8802	15.5544	16.0145	15.096	2	3	3	2	2	2	2	2	
MFAF4	P55083;P5	0.00248	0.000474	0.448171	+	0.20364	0.541662		15.6224	15.5507	15.5365	NaN	NaN	16.2308	14.0126	NaN	2	2	2	NaN	NaN	2	2	NaN	
BICC1	Q9H694	7.25E-17	1.78E-16	0.451652	+	1.04991	2.02611		15.2993	15.2923	15.2781	14.4454	14.8125	15.4567	14.7639	14.7127	21	18	20	15	11	20	17	17	
SEH1L	Q96EE3;Q9	1.46E-07	4.66E-08	0.455213	+	1.57649	2.92334		16.3842	16.4153	16.3635	16.1493	15.6183	16.234	15.7467	15.914	11	12	12	12	9	12	10	12	
ALG8	Q9BYK2;Q9	0.002919	0.000546	0.455472	+	0.246848	0.606451		14.6349	14.8818	15.1671	15.1295	12.2734	15.0475	15.2541	14.4912	2	2	2	2	1	2	3	2	
PTGFRN	Q9P282	4.94E-17	1.27E-16	0.457015	+	0.304426	0.733639		14.8773	NaN	15.0268	15.3648	13.2685	14.784	14.0739	14.9838	1	NaN		4	1	2	7	3	8
LBR	Q14739	3.36E-05	8.38E-06	0.457354	+	1.46455	2.72722		16.608	16.6167	16.5834	16.3976	16.1187	15.9758	15.7848	16.4498	11	9	10	10	10	9	9	11	
RAD21	Q60216	1.65E-15	2.66E-15	0.458028	+	3.21964	6.55569		15.9028	15.8819	15.8111	15.5582	15.4444	15.3309	15.2675	15.4352	12	14	16	13	10	11	10	10	
ZNF133	P52736;P5	0.015001	0.002526	0.458123	+	0.1097	0.299257		16.0008	16.0463	16.206	16.8303	17.0898	11.7513	16.8335	NaN	1	1	1	1	1	2	1	NaN	
HDHD5	Q9BXW7;Q9	4.06E-08	1.37E-08	0.458561	+	1.16363	2.12566		16.1612	16.1617	16.2036	15.8667	15.7868	15.9743	15.1087	15.8481	9	9	10	10	8	9	8	9	
GLDUCY	Q723D6;Q9	0.000459	9.93E-05	0.459053	+	0.61375	1.23962		15.7868	15.8205	15.7111	15.0688	15.7485	15.8107	14.3879	15.5528	11	12	11	3	6	11	8	6	
CRBN	Q96SW2;Q9	1.49E-10	6.96E-11	0.459077	+	1.21587	2.30322		16.2112	16.1647	15.9388	15.1976	15.8093	16.0436	15.6673	15.5112	3	3	3	3	3	1	3	3	
FTO	Q9CDB1	1.26E-16	2.91E-16	0.459135	+	2.1652	4.03569		16.2443	16.3237	16.2356	16.075	15.6165	15.7512	15.7888	15.9222	17	18	17	17	13	17	17	16	
IFIT46	Q9NCC8;Q9	1.45E-12	1.00E-12	0.461184	+	0.923269	1.81573		14.9203	14.6653	14.6484	13.8047	14.2208	14.7778	14.6239	13.9901	1	2	2	2	1	1	2	1	
ISG15	P05161	2.39E-07	7.46E-08	0.464237	+	1.57629	2.92297		16.6811	16.7177	16.7231	16.2775	16.2112	15.9803	16.0751	16.6712	4	4	4	5	2	4	5	4	
NMI	Q13287	7.31E-12	4.38E-12	0.464449	+	1.66724	3.08532		15.4788	15.4918	15.5078	14.9863	15.1586	15.3784	14.7165	14.9019	14	12	14	12	10	12	8	9	
RIOK1	Q9BR82	9.57E-15	1.22E-14	0.464879	+	1.595	2.95615		15.5865	15.6523	15.7216	15.3778	14.8718	15.5221	15.101	15.0702	5	4	7	5	4	4	6	5	
CELF2	Q95319;Q9	1.08E-08	3.93E-09	0.467244	+	0.434812	0.974505		15.0053	15.0344	14.9968	15.3477	15.0683	13.5901	14.7334	14.945	5	4	4	5	4	5	3	4	
FLNB	Q75369;Q9	0.000422	9.18E-05	0.467489	+	0.585321	1.24421		14.0831	14.4768	14.5184	14.4121	14.5356	13.7137	13.0314	13.7669	2	2	1	1	1	1	1	1	
PODN	Q775L7;Q9	7.78E-11	3.36E-11	0.467783	+	0.400674	0.91085		15.3232	15.3316	15.3691	15.3857	13.8048	15.6391	14.0786	15.4596	4	4	3	4	1	3	1	4	
SUN1	Q94901;Q9	3.40E-13	2.80E-13	0.467915	+	3.37869	7.01645		15.8662	15.8046	15.8654	15.3031	15.4048	15.2911	15.3327	15.5558	24	26	24	26	20	24	22	23	
QPA3	Q9H6K4	0.003012	0.000561	0.468423	+	0.547535	1.17788		16.2195	16.3398	16.3358	16.1024	15.5996	14.7864	16.1694	16.492	3	3	3	2	1	2	3	2	
MYADM	Q96597	1.31E-10	6.16E-11	0.468885	+	0.702642	1.44599		20.1284	20.0938	20.0795	18.8231	19.8293	19.5379	19.6436	4	5	5	5	4	5	5	5	5	
XPMPF3	Q9NQH7;Q9	0.001697	0.000338	0.469314	+	2.10084	3.9061		16.0745	16.0627	16.1289	15.3268	15.8641	15.6998	15.5422	15.6641	6	5	7	5	4	5	6	5	
MRRP24	Q96A35	5.57E-08	1.85E-08	0.469403	+	1.16035	2.21016		16.5042	16.4753	16.4132	16.2529	15.6664	16.2752	15.5522	16.2274	9	10	9	9	6	10	9	9	
RECK	Q95980	4.26E-17	1.12E-16	0.470097	+	0.648321	1.35224		17.0342	17.0031	16.9308	16.8649	16.325	17.0707	15.5572	16.5713	29	31	29	30	27	29	27	29	
TLN2	Q9Y4G6	6.83E-14	6.83E-14	0.47016	+	3.15337	6.37095		16.7483	16.7712	16.7334	16.2563	16.3703	16.4339	16.1233	16.2202	66	65	65	60	56	62	59	57	
HNRNPUL1	Q9BUJ2;Q9	1.51E-11	8.49E-12	0.47083	+	2.23791	4.18485		17.6281	17.6767	17.6225	17.284	17.1456	17.4026	16.9043	17.1216	22	24	22	23	22	22	22	22	
GNB4	Q9HAVO	7.68E-07	2.26E-07	0.471523	+	0.872041	1.73049		17.4868	17.4714	17.3559	17.3663	16.4251	17.5072	16.7635	16.7704	7	6	7	6	7	6	6	5	
FBX04	Q9UKT5	9.35E-05	2.22E-05	0.471891	+	1.48133	2.75637		15.8814	15.8332	15.8653	15.0967	15.3422	15.8148	15.1769	15.5098	6	7	7	4	2	6	6	2	
PX11B18	Q96011;Q9	2.05E-14	2.37E-14	0.473298	+	0.863684	1.71656		16.5723	16.6879	16.5681	16.3428	16.0637	15.3656	16.4224	16.4861	8	8	8	7	7	4	8	7	
DENND6A	Q8IW6F	0.011126	0.001899	0.473566	+	0.762149	1.58903		12.3341	11.8277	12.1303	12.1852	NaN	11.6277	11.6209	12.0615	1	2	2	NaN	NaN	2	1	1	
COL5A2	P05997	1.41E-06	4.02E-07	0.473977	+	0.382508	0.8765		16.301	16.3311	16.345	15.3453	15.1198	17.2148	16.3508	15.2278	26	25	25	24	18	29	24	22	
ICAM1	P05362	4.86E-15	6.76E-15	0.474144	+	1.1913	2.26199		15.0423	14.9804	14.9933	14.5269	14.0716	15.0079	14.3611	14.6884	3	5	3	5	3	4	4	4	
ADO	Q96525	2.91E-13	2.44E-13	0.474524	+	1.30662	2.45639		15.9413	15.8332	15.9288	15.0477	15.1946	15.8717	15.5519	15.467	8	6	8	6	7	6	6	7	
ZER1	Q727L7	0.000617	0.000131	0.475348	+	2.98484	5.9192		14.4672	14.4671	14.391	13.9123	14.1406	14.0118	13.7845	13.9829	6	5	6	6	3	5	7	5	
CDA	P32320	3.15E-18	1.18E-17	0.475411	+	0.266379	0.647083		16.3528	16.2414	16.2445	14.989	14.7236	16.1788	17.7761	15.3531	1	1	1	1	1	2	2	1	
PALM2	Q8IXS6-2	3.10E-10	1.37E-10	0.476616	+	0.994594	1.9342		14.6782	14.7985	14.6306	14.1056	13.6398	14.5874	14.6432	14.153	5	5	4	4	1	1	5	4	
GCDDH	Q92947	3.58E-05	8.90E-06	0.478514	+	1.61037	2.98347		16.7286	16.7533	16.7429	16.5341	16.0643	16.4585	15.9033	16.3552	8	8	8	8	8	8	8	8	
ACAT2	Q9BWD1	4.29E-07	1.30E-07	0.478666	+	1.27104	2.39615		18.1196	18.2765	18.1397	18.052	17.8332	17.196	17.5704	17.848	12	14	12	12	11	13	13	12	
DCPS	Q96C86	2.36E-13	2.03E-13	0.480783	+	2.73299	5.28893		16.8574	16.8846	16.8054	16.6045	16.2322	16.4024	16.3526	16.25	10	11	11	9	9	10	10	9	
H3C15	Q71D13	6.87E-15	9.09E-15	0.480892	+	1.1308	2.16081		23.0488	22.9704	22.9843	22.486	23.1326	22.3155	22.152	22.515	8	8	8	8	8	8	8	8	
SMYD3	Q9H784;Q9	7.02E-05	1.69E-05	0.481219	+	5.51964	16.6243		15.732	15.689	15.775	15.2558	15.3073	15.2367	15.2514	15.2027	5	4	4	4	3	4	3	3	
TES	Q9UGI8;Q9	9.46E-14	9.10E-14	0.481869	+	0.3375	0.789769		16.7198	16.7267	16.7168	14.4559	16.7522	16.8285	16.8771	16.2792	23	23	23	19	21	23	23	23	
PRKDC	P78527	5.46E-19	2.63E-18	0.485291	+	3.41004	7.11024		17.9731	18.0043	17.9715														

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_ NUP214_1	Log2 MS2_quantity_ NUP214_2	Log2 MS2_quantity_ NUP214_3	Log2 MS2_quantity_ Control_1	Log2 MS2_quantity_ Control_2	Log2 MS2_quantity_ Control_3	Log2 MS2_quantity_ Control_4	Log2 MS2_quantity_ Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
CPNE2	Q96FN4	9.65E-10	4.00E-10	0.506675	+	2.73127	5.28479		16.1289	16.186	16.1645	15.8849	15.7358	15.4965	15.5283	15.6201	11	13	9	11	9	6	10	8
RXRA	P19793;P1	0.000218	4.92E-05	0.507059	+	1.42769	2.66344		13.9101	14.2778	13.8753	13.55	13.2607	13.5202	13.3487	13.9443	5	4	5	5	4	3	3	4
BLHM	Q13867	1.06E-13	1.00E-13	0.50809	+	2.58523	4.94197		17.2765	17.3319	17.3351	16.7187	16.7587	17.0665	16.8692	16.6188	15	15	14	13	12	14	14	14
EXTL2	Q9UBQ6	4.44E-08	1.49E-08	0.508113	+	0.851598	1.69641		14.7823	14.8779	14.7101	14.819	13.656	13.8576	14.5	14.5773	3	3	3	1	1	2	2	2
TSPLY5	Q86VY4	9.00E-10	3.75E-10	0.508379	+	1.47155	2.73937		15.7074	15.6482	15.6642	14.7747	15.0986	15.5207	14.9947	15.4357	6	6	7	7	5	6	5	5
STAT2	P52630;P5	3.68E-14	3.95E-14	0.509469	+	2.24189	4.19311		17.5524	17.5597	17.534	16.9105	17.133	17.3418	16.8249	16.9858	25	25	27	26	25	26	23	24
CNTNAP1	P78357	2.56E-13	2.18E-13	0.510297	+	0.787486	1.58917		16.8959	16.9335	16.8981	17.013	16.7179	15.7699	15.9016	16.592	32	34	32	33	26	26	26	26
CDX39B	Q13838;Q1	3.14E-11	1.66E-11	0.512206	+	2.80248	5.45777		19.0628	19.1297	19.0428	18.5951	18.5371	18.7748	18.3436	18.5804	8	8	8	8	8	8	8	8
ALDH7A1	P49419-2	1.12E-21	1.30E-20	0.512812	+	1.14605	2.18626		18.4895	18.5202	18.4989	17.8254	17.7004	18.6283	18.102	17.6942	29	29	29	28	26	29	29	28
CYC1	P08574	6.55E-08	2.15E-08	0.513672	+	2.27808	4.26857		18.0144	17.9755	18.0004	17.388	17.5609	17.6497	17.641	17.641	10	11	10	10	9	10	10	10
INTS9	Q9NV88;Q1	0.000799	0.000167	0.513829	+	0.36991	0.852466		14.3248	14.1773	14.3026	14.5826	12.1076	14.4726	13.5255	14.0839	3	4	3	2	1	2	3	2
ACAD9	Q9H845	1.77E-13	1.57E-13	0.51477	+	1.00641	1.95382		16.7681	16.7727	16.8038	16.6323	15.5132	16.5326	16.3103	16.3455	23	23	23	23	19	23	24	23
MANEA	Q5SR19	0.003827	0.000697	0.516089	+	0.340806	0.807156		14.2552	14.1949	14.2169	14.5815	NaN	12.1417	13.8911	14.2107	2	2	2	2	NaN	2	1	1
NNMT	P40261	1.11E-06	3.21E-07	0.519253	+	0.69951	1.44067		20.5845	20.5835	20.6101	19.5218	19.9125	21.0977	20.146	19.7959	10	11	10	10	10	10	10	10
PARP1	P09874	6.93E-20	4.52E-19	0.519803	+	2.43114	4.59649		16.7146	16.697	16.705	16.3065	16.2353	15.9768	16.0022	16.4079	47	46	48	48	42	43	42	47
UGP2	Q16851	1.06E-10	5.04E-11	0.520099	+	2.31611	4.3487		19.163	19.2373	19.1924	18.592	18.5821	19.0239	18.6577	18.5314	35	35	35	33	33	35	34	34
ELF1	P32519;P3	0.003051	0.000568	0.523086	+	1.43378	3.59735		14.6557	14.6769	14.3817	NaN	NaN	13.9437	14.1529	NaN	2	2	2	NaN	NaN	1	1	NaN
TAP2	Q03519	1.68E-12	1.14E-12	0.52309	+	2.88584	5.66531		16.1868	16.2105	16.0899	15.4487	15.7299	15.8161	15.668	15.5338	12	12	11	11	12	11	11	12
HAUS5	Q94927	0.003559	0.000652	0.523376	+	0.662052	1.37678		14.2469	13.8253	14.4669	14.125	14.2076	12.7968	13.3136	13.8387	3	3	4	4	2	1	2	4
CL16orf70	Q98J01	3.74E-06	1.03E-06	0.525226	+	2.18324	4.07243		15.4573	15.1689	15.2774	14.7874	14.6407	15.0917	14.7428	14.6158	5	5	5	4	4	5	5	5
PRPF18	Q98E33	1.69E-06	4.79E-07	0.527465	+	1.1848	2.35108		13.2991	13.5774	13.3528	12.277	12.9527	12.9652	12.8917	12.8917	2	2	2	1	1	2	1	1
NMMP14	P50281	7.90E-16	1.39E-15	0.528083	+	1.79657	3.3215		18.8987	18.9093	18.8345	18.7934	18.1737	18.3819	18.1301	18.2854	19	18	19	18	17	18	17	17
PXX	Q777A4	1.68E-05	3.30E-06	0.528852	+	2.21428	4.13605		16.4329	16.4936	16.4534	16.2167	16.0952	15.8372	15.7798	15.7267	14	15	14	14	12	15	12	12
PCDH18	Q9HCL0;Q5	2.97E-17	8.17E-17	0.529036	+	1.63026	3.01897		15.093	14.9101	14.9587	14.5581	14.1607	14.7566	14.6676	14.1482	7	7	6	2	5	4	5	5
AARS1	P49588	8.75E-09	3.21E-09	0.529593	+	1.49156	2.77419		19.1066	19.0835	19.0752	18.2622	18.4198	19.0798	18.6326	18.3999	44	44	44	43	43	44	44	44
TIF2	Q12933;Q1	0.000621	0.000132	0.530819	+	1.04865	2.024		14.2415	14.0988	14.1441	13.6227	12.8964	13.8039	13.7888	14.0416	3	4	3	1	2	3	3	4
TRIM17B	Q60830;Q1	5.65E-11	2.84E-11	0.531315	+	1.26925	2.39314		15.7078	15.5669	15.6051	14.6582	14.601	15.2031	15.3897	15.2911	1	2	1	1	1	2	1	2
SERPINB9	P50453	0.000939	0.000195	0.531746	+	0.496336	1.08665		13.8663	13.7874	13.9256	13.7232	13.1844	13.6234	11.989	14.12	4	4	4	4	2	4	2	4
AOD3	Q9UEV8-2	4.61E-19	2.28E-18	0.532519	+	1.76013	3.25427		18.9338	18.9366	18.9107	18.3345	18.3031	18.8518	18.1131	18.3701	21	21	23	20	17	21	20	21
MP2C	Q95563	1.46E-11	8.20E-12	0.533081	+	1.6078	2.9789		16.7383	16.7295	16.7516	16.5173	15.7129	16.2995	16.1929	16.311	4	4	4	3	4	4	4	4
QARD1	Q9Y530	3.48E-05	2.02E-05	0.533205	+	1.94854	3.608		14.0876	14.304	14.1915	13.7705	13.7705	13.4963	13.3771	13.9806	4	5	3	4	3	3	5	5
RUNX1	Q01196;Q1	0.001292	0.000262	0.533986	+	0.988165	1.9937		15.0669	15.178	15.0572	NaN	14.2707	15.1241	14.1416	14.7305	3	3	2	NaN	3	4	3	3
INPP5K	Q9BT40;Q5	2.73E-14	3.05E-14	0.535615	+	2.33223	4.38293		15.9047	15.8741	15.9876	15.2385	15.7121	15.7209	15.427	15.275	6	5	5	5	4	5	5	5
SEC23B	Q15437	3.45E-12	2.19E-12	0.535625	+	1.12547	2.15192		15.9217	15.9016	15.8949	14.7824	15.0881	15.1178	15.8086	15.6553	14	14	13	10	10	11	14	11
PFND9	Q9UHV9	1.26E-14	1.55E-14	0.535917	+	0.720747	1.4767		17.9654	17.9172	18.108	18.1365	17.0993	16.653	17.4843	17.9317	8	8	8	8	8	8	8	8
MTCL1	Q9Y485	8.61E-20	5.40E-19	0.536081	+	1.99192	3.69173		15.5219	15.5583	15.5372	14.6685	15.2933	15.1315	14.8601	15.0619	31	37	36	27	22	30	25	26
COL6A1	P12109	3.00E-10	1.33E-10	0.536713	+	1.70974	3.16221		20.4538	20.5385	20.4972	19.8498	20.3644	20.1304	19.7876	19.6667	43	42	43	40	37	43	37	39
QXC1T	P55809	5.47E-11	2.76E-11	0.539391	+	2.86708	5.61812		17.83	17.8324	17.8193	17.5221	17.0968	17.3578	17.2094	17.2531	16	16	16	16	15	15	16	16
ADARB1	P78563;P7	0.001454	0.000293	0.540043	+	0.95186	1.86323		14.7949	14.8148	14.6491	13.8948	13.7424	14.9913	14.2452	14.1888	1	2	1	1	2	1	1	1
SLC31A1	Q15431	7.57E-05	1.82E-05	0.542391	+	0.567583	1.21317		15.2387	15.2117	15.2011	14.1818	13.9557	15.6151	15.343	14.2784	3	3	3	2	3	3	3	2
HNRNPf	P52597	5.44E-10	2.33E-10	0.54305	+	2.26742	4.24627		18.7288	18.6925	18.6449	18.3734	17.8636	18.2711	17.9861	18.2342	9	9	9	9	9	9	9	10
PAXX	Q9BUH6	2.16E-12	1.44E-12	0.543903	+	3.11726	6.27201		16.7809	16.7117	16.8508	16.0392	16.3242	16.3997	16.1967	16.2263	8	8	8	8	7	8	7	7
HLA-E	P13747	1.59E-13	1.43E-13	0.544276	+	1.88553	3.48796		14.4452	14.219	14.5128	13.7949	13.4991	13.8722	13.9145	14.1595	3	3	3	4	1	4	3	4
CHTOP	Q9Y3Y2;Q5	3.70E-05	9.18E-06	0.548119	+	1.52188	2.82717		15.9681	16.1879	15.9335	15.875	15.2512	15.284	15.2372	15.7612	3	3	3	3	3	3	3	3
CLIC6;CLIC6;CLIC5;CLIC5	Q96N7Y;Q5	5.29E-09	1.99E-09	0.54953	+	0.593167	1.25788		18.9619	18.8586	19.4201	19.2365	18.3927	17.804	17.879	19.2245	2	2	2	2	1	1	1	2
SUN2	Q9UHH9;Q1	5.75E-14	5.86E-14	0.550512	+	1.52723	2.83656		17.2213	17.2908	17.2759	17.1669	16.2836	16.8419	16.6626	16.6057	19	20	20	20	19	20	20	19
LMNB1	P20700	2.33E-15	3.59E-15	0.551229	+	5.38849	15.7924		18.0027	18.0113	17.9857	17.3727	17.4933	17.5007	17.4017	17.4749	35	34	35	33	35	34	34	35
GUSB	P08236;P0	6.54E-08	2.15E-08	0.551817	+	1.50257	2.7934		16.382	16.38	16.43	15.7466	15.4481	16.3643	15.8224	15.8461	6	6	6	5	2	6	3	4
FLYWCH2	Q96CP2	0.00051	0.000109	0.55209	+	1.13044	2.1602		14.9115	14.7601	15.1142	14.6931	14.5916	14.199	13.7352	14.6635	5	6	6	6	6	3	5	6
MP1C	Q9Y5U8	0.005466	0.00097	0.552946	+	0.531611	1.26876		15.1864	14.4659	14.4045	1												

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
EDEM2	Q9BV94;Q9	0.000487	0.000105	0.580056		0.655589	1.36571		15.3283	15.356	14.7523	15.2035	13.4765	14.4611	14.703	14.9831	1	2	2	2	2	2	2	1
FBXO17	Q9GE6F	0.000395	8.63E-05	0.583043		0.599253	1.26847		14.8928	14.8187	14.8391	14.1752	14.4849	15.0402	14.6291	12.0064	3	2	2	1	3	2	2	1
DTX3L	Q8T0B6	2.39E-16	4.96E-16	0.585952		1.29908	2.44361		14.849	14.8634	14.8104	14.1246	14.5376	14.7485	13.7125	14.1519	12	14	13	9	9	12	8	8
ZNF706	Q9Y5V0	1.71E-07	5.41E-08	0.586163		1.05665	2.03731		18.2803	18.5953	18.3155	18.1478	17.573	17.1408	17.8846	18.308	2	1	1	1	1	1	1	2
RCE1	Q9V256	9.94E-06	2.59E-06	0.586449	+	3.19399	6.48371		15.7039	15.6911	15.5903	15.0769	15.307	14.9757	14.9318	15.0853	2	2	2	2	1	1	1	2
PCCA	P05165;P0	3.91E-08	1.32E-08	0.586518	+	3.1192	6.27731		15.2785	15.2796	15.2265	14.5847	14.7905	14.8889	14.5725	14.5386	14	14	13	12	8	12	11	6
TMEM14C	Q9P059	4.05E-09	1.55E-09	0.586543	+	1.35005	2.53027		18.0543	17.9768	17.9975	17.6708	16.8789	17.8342	17.1808	17.5501	3	3	3	3	3	3	3	3
ALDH3A2	P51648;P5	1.93E-17	5.60E-17	0.587737	+	1.45404	2.70899		16.3154	16.2168	16.2915	15.0773	15.6698	15.8928	15.7931	10	10	10	8	10	9	9	9	9
HAUS4	Q9H6D7	0.004554	0.008843	0.58881		0.369691	0.883474		13.9351	13.2167	13.6469	13.5817	NaN	11.7469	NaN	13.7038	2	1	4	1	NaN	2	NaN	2
ALDH1L2	Q3SY69	8.85E-19	3.89E-18	0.590265		0.513527	1.11747		17.9835	17.9966	17.9748	16.2438	17.1518	18.4592	18.0921	17.0265	44	44	45	39	38	45	44	42
GGATC	Q9BYVM4	1.52E-05	3.92E-06	0.590309		0.873168	1.78738		14.247	14.9813	14.952	14.4091	NaN	14.5348	14.0571	13.5449	2	1	1	2	NaN	1	1	1
GAB1	Q13480;Q1	5.96E-10	2.54E-10	0.591267	+	1.79833	3.32476		14.2813	14.1837	14.2163	13.4437	13.4752	13.9371	13.3484	13.9746	3	3	3	1	1	3	3	2
ITC26	AAVAV1;A0	0.016369	0.002745	0.592596		1.03745	2.44929		14.4877	14.6389	14.5446	NaN	NaN	14.28	NaN	13.649	1	2	2	NaN	NaN	1	NaN	1
WDR91	A4D1P6	1.06E-11	6.11E-12	0.593339	+	2.2077	4.12253		15.6048	15.7441	15.6093	14.7122	15.255	15.1793	15.2281	14.9222	9	10	5	8	6	5	7	4
PLGRKT	Q9H8L7	4.60E-06	1.25E-06	0.594197		1.18862	2.52846		16.4507	16.4177	16.5095	16.153	NaN	15.4028	NaN	16.0394	4	4	4	4	NaN	3	NaN	4
CDK6	Q00534	3.20E-10	1.41E-10	0.594855	+	4.01649	9.14364		17.9599	17.9559	17.897	17.2728	17.2494	17.4157	17.4932	17.2828	10	10	9	6	8	8	7	7
PLCB1	Q9NC66;Q1	2.30E-10	1.04E-10	0.596115		0.659272	1.37202		14.674	14.652	14.6443	13.5658	14.4246	13.1169	14.9707	14.2252	4	4	3	4	3	3	5	2
RAB31	Q13636	4.98E-08	1.66E-08	0.598969	+	2.20395	4.11482		18.093	18.2556	18.1201	17.6558	17.1519	17.6548	17.5587	17.7452	11	11	11	11	10	11	11	11
ROR1	Q01973	3.51E-05	8.74E-06	0.602681		0.883334	1.72513		14.5442	14.9985	14.1264	13.4077	13.727	14.2456	NaN	14.4344	4	2	2	1	1	1	NaN	2
GANAB	Q14697-2	3.40E-08	1.16E-08	0.604391		0.401387	0.921192		17.2199	17.4548	17.3453	17.1491	14.8007	17.4264	17.4458	16.856	2	2	2	2	2	2	2	2
ACOT1	Q081X2	4.08E-17	1.08E-16	0.605093	+	2.04748	3.80033		17.289	17.3672	17.3167	16.3595	16.5503	16.8429	16.8058	17.0375	17	17	16	18	14	16	17	17
MEF2A	Q02078;Q1	0.001497	0.000301	0.60572		0.734909	1.50066		13.9971	14.0199	13.7215	13.6417	14.1585	12.3512	13.1739	13.2103	2	2	2	2	2	2	2	2
NRM	Q81WME	0.000041	8.94E-05	0.605733	+	2.17645	4.05857		16.7527	16.5142	16.6837	16.2404	15.8394	15.7433	16.2238	16.1755	4	4	3	3	3	3	4	4
H2AC11;H2AC7;H2AC12	P0C0S8;P2	0.001195	0.000244	0.609915		2.43663	4.60855		24.9007	24.7748	24.7815	24.191	24.4023	24.039	23.9612	24.4519	5	5	5	5	5	5	5	5
COL6A2	P12110	6.37E-13	4.83E-13	0.613457	+	2.87775	5.64492		19.8016	19.9377	19.8631	19.2075	19.5202	19.3325	19.1068	38	38	38	35	36	36	32	35	35
MPV17	P39210	0.001027	0.000211	0.613799	+	1.49571	2.94861		15.2215	15.5351	15.2665	15.0411	NaN	15.9202	14.3377	14.9395	2	1	3	1	NaN	1	2	1
RAB30	Q15771	0.013007	0.002212	0.613875		0.134946	0.391952		15.128	15.3279	NaN	NaN	16.2219	NaN	13.0913	NaN	1	1	3	1	NaN	1	NaN	1
TXNL4A	P83876	7.02E-10	2.95E-10	0.614296	+	1.46171	2.7223		15.6292	15.4516	15.6974	15.2245	14.467	14.7095	15.2038	15.2873	2	3	2	2	3	2	3	3
KNO1P	Q1ED39	1.18E-05	3.08E-06	0.615667		0.295311	0.72857		13.482	13.8357	13.2442	14.3657	NaN	11.5013	NaN	12.8478	3	2	3	2	NaN	2	NaN	3
LTF	P02788;P0	0.000425	9.24E-05	0.615724		0.890913	1.76191		18.7768	18.847	18.8231	18.7994	18.1261	18.6783	17.4484	17.8674	4	5	4	8	5	6	6	7
ARMC9	Q7Z3E5	1.86E-09	7.42E-10	0.618355		0.773918	1.56639		17.453	17.4442	17.4526	16.8794	16.6173	17.2493	17.9705	16.5815	25	26	25	24	21	23	27	24
SPOCK1	Q08629	0.001326	0.000269	0.618721		0.63231	1.32569		16.208	16.4238	16.3838	15.546	14.7058	16.6425	16.3419	15.3628	3	3	3	1	1	3	2	1
PSPH	P78330	1.29E-12	9.05E-13	0.620734		0.766269	1.55353		18.166	18.2532	18.2552	16.9827	17.4047	18.3057	18.3215	17.0057	8	8	8	8	7	7	9	7
COL18A1	P39060;P3	5.36E-11	2.71E-11	0.622341		0.49057	1.07627		17.1063	17.1077	17.1163	15.6431	17.4444	15.5559	17.5797	16.2154	17	17	16	16	16	14	18	15
PXMP2	Q9NR77	8.28E-08	2.69E-08	0.623411	+	5.84552	18.8784		16.6619	16.7475	16.6122	16.0207	16.0287	16.0751	16.0468	16.0809	5	5	5	4	5	5	5	5
PYCR1	P32322;P3	2.11E-19	1.18E-18	0.624273		1.01808	1.97321		18.2634	18.3379	18.2705	17.0231	17.7495	18.2397	18.0918	17.2279	13	13	14	13	14	13	13	13
DHODH	Q02127	0.000375	8.22E-05	0.625371		1.26742	2.39005		14.9326	14.8228	14.887	13.6772	14.439	13.9148	14.5532	14.6929	6	9	7	3	14	14	4	6
SDHC	Q99643;Q5	2.16E-05	5.49E-06	0.626813		2.65714	5.10883		16.8692	16.846	17.0818	16.5454	16.039	16.3333	16.2491	16.3609	2	2	2	2	2	2	2	2
LRRCC3	Q14392	2.61E-16	5.33E-16	0.626964		1.07203	2.14559		15.4562	15.3375	15.4204	14.8789	14.8002	15.31	NaN	14.1217	10	9	9	6	2	9	NaN	3
MTHFS	P495914;P4	0.002703	0.000511	0.628807		1.60508	2.97406		14.9892	14.8964	15.059	13.9873	14.1441	14.1841	14.7892	14.6587	2	3	3	3	1	2	2	3
PARP14	Q460N5	1.76E-07	5.55E-08	0.630368		1.22337	2.31583		15.012	14.9592	14.8713	14.2418	14.7757	14.6591	13.6172	14.2919	18	19	20	14	13	11	11	11
PPP1R11	Q60927	1.42E-09	5.76E-10	0.630477		0.557286	1.19507		14.4353	14.5962	14.5366	14.7339	12.6437	14.7302	13.51	13.8434	3	3	3	3	3	3	3	3
H1-2	P16403	3.61E-10	1.58E-10	0.631669		1.01578	1.96938		21.6368	21.5634	21.5037	20.6679	21.8379	20.8012	20.4568	21.0177	11	10	11	10	11	10	10	10
SNU13	P55769	1.24E-20	1.09E-19	0.633113	+	1.49576	2.78151		18.0708	18.0833	18.0583	17.6945	17.0995	16.9872	17.5335	17.8737	7	7	7	7	7	7	7	7
H1-10	Q92522	0.000529	0.000113	0.633795	+	3.7978	8.35957		17.7554	17.7699	17.6	17.0248	17.0677	17.1868	17.17	16.9238	4	5	5	3	4	4	4	4
PTMS	P20962	1.84E-08	6.48E-09	0.634846		1.19393	2.2664		19.3546	20.1039	19.6037	19.3546	19.3332	18.406	19.0574	19.1115	3	3	3	2	3	2	2	2
GSDMD	P57764	2.24E-08	7.79E-09	0.635143		1.13858	2.1738		16.2222	16.3344	16.36	15.1831	16.1203	16.252	15.2901	15.5064	10	10	10	8	8	10	7	8
LSME	P62312	2.80E-06	7.76E-07	0.639148	+	1.7467	3.22964		17.7382	17.7437	17.6398	17.4357	16.7878	16.7565	16.9589	17.4014	5	5	5	5	5	5	5	5
CTS2	Q9UBR2	3.96E-06	1.08E-06	0.640915		0.788348	1.59062		19.1478	19.2447	19.1993	17.7409	19.1944	18.4305	19.2944	18.1215	10	10	10	10	10	9	10	8
GBP1	P32455	4.46E-19	2.21E-18	0.645102	+	2.79451	5.43822		18.2327	18.2361	18.2265	17.4888	17.5679	17.9262	17.4112	17.5392	21	21	21	22	18	20	21	21
PTK7	Q13308;Q1	9.41E-0																						

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5		
NQO1	P15559:P1	0.000156	3.62E-05	0.699699		0.708794	1.45644		20.3916	20.465	20.3798	18.9711	20.4175	20.0071	20.4275	18.7392		12	12	12	11	12	12	12	11	
SERPINF1	P36955	3.81E-07	1.16E-07	0.699718	+	2.05429	6.10635		15.3309	15.518	15.6357	14.7989	NaN	NaN	14.7914	NaN	15.6357	9	12	12	5	3	NaN	NaN	5	NaN
SELENOH	Q8I205	0.001764	0.00035	0.700048		1.2466	2.35492		15.4627	15.4342	15.3832	14.3547	14.6115	14.8688	15.5154	14.2829	4	6	4	5	3	3	4	3		
NDUF2A	Q43678	4.64E-05	1.14E-05	0.701171		0.580407	1.23562		16.9188	16.7697	16.989	16.9276	15.6592	14.9414	16.1384	13.729	4	5	5	4	3	3	4	4		
KYAT1	Q16773:Q1	0.000255	5.73E-05	0.704074		0.895511	1.76957		17.3552	17.3081	17.5321	17.8035	16.1567	16.5294	16.2421	16.7402	1	2	2	2	2	3	2	2		
CVY5	P99999	3.60E-12	2.28E-12	0.706079	+	2.94598	5.81855		16.818	16.7713	16.8628	16.0116	16.0331	15.8961	16.2034	16.4123	8	8	8	7	7	7	5	8		
TBL1XR1	Q9BZK7	1.70E-13	1.51E-13	0.708216	+	3.69958	8.02683		16.0589	16.1696	16.1646	15.4272	15.4215	15.6499	15.3363	15.279	11	11	11	10	10	10	10	8		
FBXW9	Q5XUX1:Q1	0.000845	0.000176	0.710686		0.688254	1.45664		13.7449	14.148	13.5969	12.4119	12.471	13.9353	13.6588	NaN	2	2	2	1	1	1	3	NaN		
ANP32A	P39687	1.17E-08	4.22E-09	0.717778	+	4.10095	9.46333		19.2216	19.2624	19.2484	18.7322	18.3863	18.5046	18.5189	18.4898	8	8	9	8	8	8	8	8		
IL6ST	P40189	1.38E-07	4.41E-08	0.719378		1.11003	2.12617		16.4245	16.3417	16.3447	16.4627	15.7679	15.3264	14.947	15.7506	17	17	17	18	10	14	11	16		
BBS9	Q3SYG4:Q3	0.00022	4.97E-05	0.72481		0.258249	0.648927		14.164	13.2436	14.3664	11.1537	NaN	NaN	14.7174	13.7284	NaN	1	2	2	1	NaN	1	1	NaN	
MRTF8	Q9ULH7:Q1	0.047499	0.007722	0.72548		0.707224	1.54931		16.1659	15.6951	16.2403	15.0257	16.1641	14.7351	NaN	NaN	NaN	2	3	3	2	3	3	NaN	NaN	
H2AZ1,H2AZ2	POC055:Q1	0.000807	0.000169	0.725719	+	4.28137	10.1799		20.7423	20.8171	20.7098	20.1442	20.093	19.9655	19.8659	20.0849	3	3	3	3	3	3	3	3		
VARS2	Q5T3A0:Q5	0.000648	0.000137	0.726182	+	1.60513	3.16969		13.8771	13.7238	13.5924	12.6026	13.1158	13.461	NaN	12.8404	3	3	5	1	1	3	NaN	3		
PTPRG	P23470:P2	1.10E-12	7.84E-13	0.727708	+	2.15056	4.00602		14.8326	14.8937	14.8711	13.9975	14.0864	14.4445	14.4321	13.73	11	11	10	11	6	10	10	9		
NFKBIE	O00221	0.000813	0.00017	0.728261		0.099064	0.276249	NaN	12.8084	14.1997	13.8275	7.62202	14.9193	NaN	NaN	14.7344	NaN	14	1	1	1	2	1	NaN	1	
TBCA	O75347	2.17E-19	1.21E-18	0.728827		0.507468	1.10663		17.944	18.0421	17.9705	18.247	16.5289	15.7302	17.5459	18.2315	14	14	15	15	13	13	15	15		
ADGRA2	Q96PE1:Q5	4.69E-14	4.90E-14	0.729079	+	1.73903	3.21562		15.9111	15.7519	15.6607	14.8848	3.215283	15.6476	14.8658	14.7009	3	5	5	4	3	5	3	3		
RCAN2	Q14206:Q1	0.000218	4.93E-05	0.729082		0.372372	0.857176		17.6613	17.8518	17.7669	17.2218	14.7719	18.7329	17.1213	17.3067	2	2	2	1	2	1	2	2		
PSMB10	P40306	4.73E-12	2.91E-12	0.729112		1.20264	2.281		15.9765	15.9511	15.9662	14.6791	15.7679	15.8449	14.8611	15.0245	6	6	6	5	5	6	4	5		
PSMB9	P28065	0.000171	3.93E-05	0.729791		1.33462	2.50397		17.1013	17.0577	17.0486	15.8692	16.5175	17.062	15.9162	16.3323	7	6	6	6	6	6	6	6		
LIQC810	Q9LIDW1	1.70E-06	4.82E-07	0.731934		0.459795	1.02041		17.7089	17.5995	17.9966	18.113	15.6966	15.8802	17.2955	18.1966	2	2	2	2	2	2	2	2		
TGFB1	Q15582	3.12E-15	4.61E-15	0.733885	+	1.34149	2.51568		17.4583	17.4118	17.4638	16.4888	16.2138	16.6668	17.5261	16.6336	24	24	24	23	20	24	25	24		
EPBA112	Q43491	7.36E-22	9.18E-21	0.740141	+	1.47647	2.74793		17.5661	17.5784	17.5641	16.857	16.688	17.5902	16.4459	16.566	35	37	38	34	31	36	28	34		
MMR2	P08253	2.00E-15	3.14E-15	0.741728	+	1.35972	2.54678		16.1851	16.2702	16.212	15.4289	14.9118	16.1383	15.7712	15.1531	18	17	17	15	15	15	15	14		
NSMCE3	Q96MG7	0.001465	0.000295	0.741949		0.983516	1.98533		14.6735	14.5526	15.0066	14.6293	NaN	NaN	13.2784	14.3378	13.7639	3	5	3	3	NaN	5	4	1	
LRRN4CL	Q8ND94	0.001859	0.000367	0.74244		0.85834	1.70766		16.7963	16.509	16.6185	14.8934	16.6752	15.5315	15.9158	14.782	4	4	3	1	4	3	3	4		
CTSL	P07711	1.29E-11	7.33E-12	0.743133	+	3.11004	6.25237		18.7825	18.7645	18.7422	18.0231	18.1488	17.8091	18.276	17.8426	8	9	8	8	6	8	8	8		
TPM4	P67936-2	8.97E-11	4.34E-11	0.743349		0.66143	1.37572		16.2169	16.2508	16.2557	14.458	15.1576	15.6048	15.3389	16.9296	6	6	7	6	6	7	7	8		
TMEM168	Q9H0VL:Q1	0.001391	0.000281	0.744499		0.827884	1.65682		15.3401	15.3198	15.2804	14.9349	14.2674	15.4128	14.7933	13.4365	1	1	1	1	1	1	1	1		
BCKDHB	P21953	0.001344	0.000272	0.752434	+	2.38649	4.49932		16.4172	16.3533	16.4466	15.1923	15.9249	15.7964	15.771	15.6427	5	5	5	3	3	3	3	3		
PIGQ	Q9BR82-2	0.000978	0.000202	0.75279		0.966767	1.95517		13.5437	13.718	14.1172	13.6485	13.2343	NaN	NaN	13.0679	12.21	1	1	2	1	1	NaN	1	1	
RCC2	Q8P258	8.32E-15	1.08E-14	0.756774	+	2.47932	4.70281		16.7497	16.8016	16.8027	15.7572	15.8112	16.3123	16.3134	15.9453	19	19	18	18	16	17	18	16		
H1-4	P10412	0.000781	0.000163	0.757717		0.436116	0.976915		18.9573	17.974	18.3253	16.4511	19.493	17.6305	16.5668	18.1641	2	2	2	2	2	2	2	2		
PILOD2	O00469-2	1.02E-09	4.24E-10	0.760041		0.753485	1.532		18.519	18.5576	18.4815	16.3696	18.5974	17.9786	18.0456	17.8052	25	26	26	22	25	24	28	25		
RAC2	P15153	5.92E-07	1.76E-07	0.761936	+	2.13906	3.9828		17.4848	17.4187	17.3485	16.455	16.8657	16.1917	16.8731	16.8914	4	4	4	4	4	4	4	4		
MYLK	Q15746	2.56E-24	7.58E-23	0.763674		0.780268	1.57706		17.7156	17.7382	17.7607	15.7396	16.8837	16.9539	17.9616	17.3336	61	65	62	57	60	63	67	62		
NSUN6	Q8TEA1	0.001554	0.000312	0.764076	+	1.43685	2.83239		14.7335	14.6828	14.5277	14.1554	13.2451	13.9073	NaN	14.228	3	3	3	1	1	1	2	NaN	2	
COL16A1	Q07092:Q1	1.41E-11	7.99E-12	0.765358		1.06009	2.04304		16.2045	16.1445	16.1034	14.7768	15.2807	16.4443	15.2884	15.1371	11	11	11	9	8	9	8	8		
TMEM62	Q0P6H9	0.006363	0.00012	0.768154		0.964792	2.06006		13.8743	13.7229	13.582	13.0268	NaN	NaN	12.2977	13.5503	1	2	2	1	NaN	3	NaN	2	2	
PPL	Q60437	0.000514	0.00011	0.768631	+	1.37908	2.71998		14.4616	14.4947	14.8484	NaN	NaN	13.9268	14.3031	13.2318	13.87	14	13	11	NaN	3	10	3	4	
NEK6	Q9HC98:Q1	9.61E-09	3.50E-09	0.76961	+	2.84134	5.55383		15.6538	15.4267	15.5647	14.9579	14.6665	14.5892	14.6147	15.0656	2	2	4	3	4	2	3	2	3	
STING1	Q86VV6	3.40E-16	6.06E-16	0.770596	+	3.31343	6.82435		18.9064	18.884	18.8309	18.3713	17.8838	18.1206	18.1646	17.9755	7	7	7	7	7	7	7	7		
AK4	P27144	1.17E-14	1.45E-14	0.771568		1.01446	1.96719		16.2855	16.2502	16.3914	16.0214	15.572	15.6557	14.4229	16.0152	8	8	8	7	8	8	7	8		
ZNF22	P17026	6.46E-11	3.21E-11	0.77351	+	1.66644	3.0839		12.3809	12.2967	12.7695	12.1755	11.424	11.9803	11.2529	11.7116	2	4	4	4	3	3	2	2		
ALDH1B1	P30837	3.59E-16	6.92E-16	0.779363		0.67419	1.39754		17.1995	17.2001	17.1935	16.2981	16.7575	17.3748	14.8916	16.7696	18	19	19	17	18	18	13	18		
OLFML3	Q9NRN5	7.93E-05	1.90E-05	0.782068	+	2.75411	5.33986		15.9002	15.8107	15.8886	14.8862	15.3898	15.3014	14.8753	14.9694	5	4	5	5	5	4	6	4		
BSC12	Q96G97:Q1	0.008301	0.001438	0.783183		0.441383	0.986632		15.8322	15.8044	15.7802	12.7421	15.0253	16.0711	15.7651	15.5086	2	2	2	2	1	2	2	1		
CBSL1,CBS5,CBS	P0DN79:P1	1.24E-07	3.95E-08	0.788088		0.835182	1.66901		17.3118	17.3014	17.3433	15.4023	16.2486	17.4145	17.1366	16.4519	17	17	17	19	10	11	17	16	14	
CDC97	Q9F6F3	0.002867	0.000538	0.798136		1.15773	2.30261		13.9926	13.7785	13.7763	13.8107	NaN	NaN												

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5
MCC1	Q96RQ3	3.76E-10	1.64E-10	0.880792		1.24601	2.35393		16.0643	16.0646	15.9644	15.4886	14.1152	15.6691	14.9966	15.452	14	12	14	10	5	11	6	10
SDMT1	Q9H4I9	4.17E-05	1.03E-05	0.884218		0.553618	1.18861		16.3335	16.183	16.5728	16.8812	14.3321	14.2795	15.2498	16.6519	2	2	2	2	2	2	2	2
PKC2	Q16822	2.59E-11	1.39E-11	0.888278		0.767495	1.55559		18.7731	18.7474	18.7253	17.0406	17.3756	19.1299	18.6353	17.1201	27	27	27	26	25	26	26	26
ATPSMPL	P56378	9.48E-13	6.91E-13	0.892833		0.977713	1.90617		16.9799	16.8018	17.1706	17.1717	15.3125	15.8806	15.5083	16.5832	2	3	2	2	2	2	2	2
DPYD	Q12882	4.60E-08	1.54E-08	0.897843		1.189	2.25813		16.6898	16.7487	16.7045	16.3938	15.9687	16.1926	14.6859	15.8414	10	12	9	8	7	8	3	6
TMEM119	Q4V9L6	5.55E-05	1.36E-05	0.910461	+	1.76375	3.26093		19.873	19.9278	20.0793	18.7119	19.0929	19.8344	18.835	18.7735	5	5	5	5	5	5	5	5
NHSL2	Q5HYW2	5.43E-07	1.63E-07	0.91075		0.619952	1.37926		15.3351	15.3499	15.4739	14.2669	13.4531	15.7066	NaN	NaN	5	5	5	4	2	1	NaN	NaN
ETV6	P41212	0.01341	0.002267	0.911934		0.812016	1.75472		13.7783	13.6953	13.7504	NaN	13.8666	12.2694	12.3522	NaN	3	2	2	NaN	1	2	2	NaN
NFIX	Q14938-4	2.49E-16	5.12E-16	0.919287	+	2.33593	4.39081		16.8165	16.8513	16.8901	16.0945	15.8895	16.3794	15.4226	15.8808	9	8	9	8	8	8	8	8
HLA-B	P01889	0.002093	0.000409	0.927127		0.690223	1.42488		18.2472	18.2106	18.2923	15.7589	18.5735	17.5252	17.9711	16.7859	4	5	4	4	2	2	3	3
SAMHD1	Q9V3Z3	3.16E-13	2.63E-13	0.928929	+	3.20796	6.52283		16.1381	16.1669	16.1353	14.9505	15.2339	15.4973	15.0071	15.4004	25	25	23	17	14	22	15	18
BTN3A3	O00478.O	1.27E-08	4.56E-09	0.929362	+	1.60296	2.97029		15.9092	15.8397	15.9243	14.4543	15.5883	15.4501	14.5483	14.7675	5	5	4	1	1	4	1	2
TRIM44	Q96DX7	0.004026	0.00073	0.93595		0.639917	1.41815		14.063	14.0759	13.8587	14.0518	NaN	11.8214	NaN	13.3166	1	1	1	1	NaN	2	NaN	2
DAAM2	Q86T65.Q	0.000143	3.32E-05	0.9377	+	2.9605	6.73379		15.8489	15.9989	15.9083	NaN	15.085	15.0998	14.6404	15.0988	7	5	8	NaN	3	6	4	5
ALKB8H	Q968T7.Q	0.024888	0.004114	0.94137		1.07113	2.78886		13.1803	13.4995	13.4749	13.2224	12.2137	NaN	11.8946	NaN	1	2	2	1	2	NaN	1	NaN
WDR81	Q562E7	2.55E-10	1.15E-10	0.947594	+	2.69819	5.20577		14.9808	15.0076	15.0456	13.9961	14.1543	14.2955	14.305	13.5678	10	11	11	8	5	6	8	7
PHGDH	O43175	2.00E-10	9.19E-11	0.957293		1.18928	2.2586		20.5562	20.5688	20.5479	18.7777	19.444	20.4753	20.1761	19.1286	27	27	26	25	23	26	25	25
R2H24	Q15392	1.44E-14	1.75E-14	0.960433		1.24352	2.34973		18.4269	18.4204	18.43	18.2515	17.8576	16.6107	16.9005	17.7065	16	17	16	15	16	14	15	14
CNEP1R1	Q8N9A8.Q	2.77E-06	7.70E-07	0.972411	+	2.27721	4.26674		14.9725	14.8877	14.914	14.2426	14.0424	13.2895	14.0266	14.1603	2	3	2	2	1	2	1	2
PHYWD1	Q558E7.Q	0.000362	7.94E-05	0.98158	+	2.93213	6.63816		16.0045	16.0845	16.1243	NaN	15.1205	15.1115	15.3656	14.7684	4	4	6	NaN	4	2	3	3
CEP78	Q51TW2.Q	0.000604	0.000128	0.982733		0.869046	1.727		14.004	13.7555	13.3046	13.1362	13.3115	13.5301	12.235	1	1	1	1	1	1	1	1	1
TYMP	P19971.P1	4.44E-17	1.16E-16	0.989315		1.11082	2.12749		15.7299	15.6203	15.9723	13.8969	14.586	15.8114	15.307	14.3229	9	9	10	3	7	10	10	4
TNS3	Q68CZ2	3.55E-19	1.83E-18	0.992158	+	1.94969	3.61021		16.9621	17.0299	17.0091	15.7489	16.003	16.6276	16.2391	15.4226	28	28	27	25	23	26	27	25
OPLAH	Q14841	7.75E-16	1.21E-15	1.00412		0.784372	1.58395		15.9592	15.9701	15.9905	13.173	15.1689	15.8231	15.6937	14.987	24	23	22	7	11	22	21	23
FAM162A	Q96A26	2.68E-09	1.05E-09	1.01429	+	1.55152	2.87925		17.0278	16.9628	17.2186	16.7663	15.4672	15.5402	15.963	16.5405	7	7	7	5	4	5	5	6
TPST2	Q60704	3.63E-10	1.59E-10	1.01577	+	2.25579	4.222		16.3976	16.4063	16.3805	14.8152	15.326	15.3893	15.9526	15.4121	6	6	6	4	4	6	5	5
ALDH6A1	Q02252.Q	1.79E-14	2.11E-14	1.01876	+	3.41576	7.12747		17.6642	17.6526	17.6245	16.3152	16.5697	16.985	16.6268	16.645	18	18	12	14	15	14	13	2
VAMP5	Q95183	0.000381	8.33E-05	1.02085		0.838933	1.67528		17.3039	17.2975	17.2427	17.1459	14.7747	16.3463	15.7954	17.2403	2	2	2	2	2	2	2	2
SNX18	Q96RF0-2	3.59E-24	9.67E-23	1.02226	+	3.0046	5.97087		17.596	17.6026	17.6215	16.7396	16.4562	16.9884	16.2407	16.4974	19	19	19	18	16	19	17	17
TMEM6	Q8WUY1	3.49E-13	2.86E-13	1.03889		1.08633	2.08669		15.8052	15.8024	15.8384	14.0098	15.3088	13.7537	15.6055	15.2044	8	8	8	4	8	3	8	8
SLC35F5	Q8WV83.Q	0.015535	0.002611	1.03974		1.01961	2.1721		15.1651	15.4258	15.0494	14.6819	NaN	13.2439	NaN	14.5953	2	2	2	1	NaN	2	NaN	1
SNRP	P62306	1.22E-05	3.17E-06	1.0398		0.689081	1.42293		16.2707	16.1831	16.4558	16.0197	14.7482	13.5806	15.1905	16.7781	6	5	5	5	3	2	4	5
COX7A1	Q02388.Q	1.62E-06	3.27E-06	1.04216		0.777809	1.61702		16.4829	16.3783	16.397	NaN	15.9163	13.8528	16.3464	15.3935	13	15	12	NaN	7	5	14	5
LUM	P51884	5.31E-11	2.69E-11	1.04258		0.737174	1.50448		18.1271	18.1561	18.1556	15.4264	16.9782	16.8719	18.5949	17.6472	10	10	10	7	9	9	10	10
COL6A3	P12111	2.57E-12	1.68E-12	1.04663	+	3.2106	6.53024		20.4494	20.4589	20.442	19.1542	19.7821	19.2914	19.5827	19.2069	159	158	159	146	146	152	150	145
SNX25	Q9H3E2	0.002603	0.000495	1.05797		0.427122	0.999758		13.6393	13.8943	13.8318	13.1526	NaN	10.7283	NaN	14.3106	1	2	1	3	NaN	1	NaN	1
CT5	P09871	3.69E-09	1.42E-09	1.05944	+	1.53397	1.61555		15.5875	15.5875	15.5875	14.613	15.0884	NaN	14.079	4	5	5	3	1	4	NaN	3	3
PDOD4	Q53EL6.Q	3.02E-19	1.59E-18	1.06032	+	2.58983	4.95254		17.1497	17.1733	17.1549	15.9893	16.3526	16.3122	15.5143	16.3263	18	18	18	15	14	15	12	18
MOY19	Q96H55	0.003169	0.000587	1.06789		1.04177	2.21785		12.5728	12.4406	12.6922	11.8819	NaN	10.5546	12.0654	NaN	2	2	2	1	NaN	2	2	NaN
SERPING1	P05155.P0	6.07E-08	2.01E-08	1.07243		1.11256	2.21959		14.8677	14.2354	14.4896	NaN	14.2391	13.4686	13.3429	12.2752	4	4	4	NaN	2	2	3	1
ITGA11	Q9UKX5.Q	1.87E-14	2.19E-14	1.07274		1.11795	2.13937		14.4862	14.4572	14.8505	16.728	16.8314	18.5681	17.9919	16.8174	34	33	35	28	26	32	32	29
SLIT3	Q75094	2.28E-15	3.53E-15	1.07513	+	1.38915	2.59716		16.2246	16.2563	16.29	14.6029	15.3793	16.2707	14.5875	15.0687	37	38	37	27	28	37	26	32
DCN	P07585	5.85E-10	2.49E-10	1.07561	+	1.73507	3.20838		16.9913	17.0909	17.0213	14.9694	16.2321	16.2514	16.2847	16.0471	8	8	8	5	7	7	8	6
COX6C	P09669	4.75E-06	1.29E-06	1.0757		0.857966	1.70703		17.7519	17.595	17.8178	17.5784	15.9083	15.2703	16.7677	17.7045	10	10	10	7	9	10	10	10
H1-3	P16402	0.000223	5.03E-05	1.08944		0.707971	1.45504		16.6054	17.6055	17.9065	15.7946	18.8165	16.4698	16.312	17.4555	2	2	2	1	2	1	1	2
PFND6	Q15212	7.27E-05	1.75E-05	1.09208		0.840621	1.67809		18.0623	18.0993	18.2018	18.357	16.1005	16.1555	16.4745	18.0576	5	5	5	5	3	4	5	5
PPP1R14B	Q96C90	2.56E-24	7.58E-23	1.09405		0.982889	1.91476		17.8329	17.072	18.1372	17.463	15.8245	15.7157	16.3832	17.5469	4	5	5	4	3	3	3	3
MRPL51	Q4U2R6	0.003049	0.000567	1.09854	+	1.46652	2.73064		16.9647	16.5366	16.8493	16.7097	15.2614	15.7461	14.9863	15.7215	1	1	1	1	2	1	1	2
DCXR	Q724W1	3.33E-12	2.12E-12	1.10047		1.26637	2.38827		16.9078	16.9326	16.8336	16.0934	16.2864	16.1676	14.4243	15.9826	8	8	8	8	6	8	5	7
HLA-C	P10321	1.33E-09	5.42E-10	1.11567	+	2.45787	4.65529		18.8965	18.9182	18.8463	17.1074	18.1068	17.9144	18.0259	17.702	13	13	13	11	13	12	12	12
LMCD1	Q9NZU5	6.12E-11	3.06E-11	1.																				

Gene names	UniProt IDs	Protein Group P-value	Protein Group Q-value	Log2 Difference NUP214 vs Controls (n=5)	p<0.05	-log10 p-value	T-test Test statistic	NPC Localization	Log2 MS2_quantity_NUP214_1	Log2 MS2_quantity_NUP214_2	Log2 MS2_quantity_NUP214_3	Log2 MS2_quantity_Control_1	Log2 MS2_quantity_Control_2	Log2 MS2_quantity_Control_3	Log2 MS2_quantity_Control_4	Log2 MS2_quantity_Control_5	Number Peptides for Quantitation NUP214_1	Number Peptides for Quantitation NUP214_2	Number Peptides for Quantitation NUP214_3	Number Peptides for Quantitation Control_1	Number Peptides for Quantitation Control_2	Number Peptides for Quantitation Control_3	Number Peptides for Quantitation Control_4	Number Peptides for Quantitation Control_5	
CMTR2	Q8IYT2	0.000453	9.81E-05	1.38971	+	2.70343	5.21824		14.2208	14.1772	14.3557	13.6502	12.6535	12.6923	12.6877	12.6239	2	2	2	2	1	1	1	1	
ATM	Q13315	5.60E-05	1.37E-05	1.39781	+	2.44688	5.16367		14.8677	14.9496	14.8809	12.993	13.6178	14.0687	NaN	13.3269	9	9	8	2	1	1	NaN	1	
AKR1C3	P42330	3.05E-06	8.43E-07	1.41241		0.954444	1.86752		17.5066	17.5274	17.4081	15.4469	16.3946	17.559	14.2463	16.6947	7	9	7	5	5	7	5	6	
AIG1	Q9NVV5;Q	0.000588	0.000125	1.41609	+	2.91785	5.74651		16.107	16.1667	16.3476	14.1702	14.6909	15.2537	14.9868	14.8534	2	2	2	2	1	2	2	2	
DPM3	Q9P2X0;Q	0.000659	0.00014	1.42489	+	2.56164	4.88803		15.2434	14.8416	15.2402	13.4734	13.3132	13.3648	13.8485	14.4177	2	2	2	2	2	2	2	2	
DAG1	Q14118	1.61E-07	5.12E-08	1.42594	+	2.13966	3.98401		14.825	15.1152	15.0576	13.2598	13.9171	14.4491	13.1127	13.128	5	5	5	1	2	2	4	3	
CTSK	P43235	4.54E-08	1.52E-08	1.43325	+	2.74905	5.32761		18.5267	18.5038	18.3325	16.3403	17.2134	17.1482	17.5256	16.8779	11	11	11	9	8	9	8	9	
TTIC8	Q5R314	5.97E-05	1.45E-05	1.43475	+	3.81	8.40171		16.9426	16.9612	17.0577	15.458	15.3966	15.6973	15.9662	15.2441	6	6	6	1	3	2	6	3	
CSRP2	Q16527	7.90E-17	1.91E-16	1.44497	+	1.38676	2.59306		17.6869	17.6462	17.6273	14.8814	16.2369	16.5484	17.4476	15.9282	10	10	10	9	10	10	10	10	
INO80	Q9ULG1	0.003123	0.000579	1.44725		0.295552	0.802763		NaN		12.9291	12.9939	13.3168	NaN	NaN	9.7117	NaN		2	1	1	NaN	NaN	NaN	
CTH	P32929	1.37E-06	3.93E-07	1.48202		1.2963	2.4389		15.4542	15.3158	15.4211	13.9642	13.5269	15.3751	12.5701	14.1385	9	10	10	3	4	8	1	2	
LRRIC15	Q8TF66;Q	3.72E-05	9.24E-06	1.50927	+	3.27479	6.71262		19.5235	19.5218	19.4713	17.9426	17.5038	17.854	18.5198	18.1613	15	15	15	15	15	15	15	15	
SLC25A40	Q8TBP6	1.29E-07	4.13E-08	1.52565	+	2.20331	4.52367		15.1345	14.9932	15.131	NaN	13.0609	14.3724	13.3576	13.4514	3	4	3	NaN	2	3	2	2	
GXYLT2	A0P1Z3	0.002312	0.000446	1.56197		1.28552	2.5412		12.73	12.5159	12.9864	10.7156	10.7072	12.7114	10.5943	NaN	2	2	1	1	1	1	2	NaN	
CIR	P00736	2.34E-12	1.54E-12	1.57956	+	1.6373	3.58563		15.7803	15.6533	15.6939	13.32	14.2404	14.8283	NaN	NaN	8	6	9	1	3	6	NaN	NaN	
PTGIS	Q16647	4.84E-09	1.83E-09	1.61259		1.26953	2.3936		17.3836	17.4789	17.4457	14.4579	16.2164	17.1563	14.8556	16.4312	14	16	16	4	13	15	11	14	
COL8A1	P27658	4.53E-06	1.23E-06	1.6138		1.22934	2.32587		18.7191	18.6835	18.7068	16.1012	17.2854	16.2543	18.9937	16.8122	12	11	11	7	7	5	11	8	
CRIP1	P50238	0.003536	0.000648	1.64932		1.2321	2.44074		21.0683	21.065	21.0364	NaN		18.5186	21.0787	18.9073	2	1	2	NaN	1	2	1	1	
EDIL3	O43854;O	3.62E-10	1.58E-10	1.69762	+	2.41323	4.55736		17.3276	17.3233	17.2733	16.1224	16.2026	14.6891	15.318	15.7201	17	17	17	17	15	12	14	16	
MYO1D	Q94832	1.06E-16	2.51E-16	1.74564	+	1.74982	3.23537		18.8596	18.8917	18.8279	16.0535	16.6978	18.3985	17.6018	16.8188	56	56	56	47	47	56	55	52	
TENM3	Q9P273	8.95E-09	3.27E-09	1.88467	+	2.99959	6.86741		15.8323	15.7289	15.7057	13.1925	NaN		14.189	13.9798	9	9	9	1	NaN	4	3	1	
H1-1	Q02530	0.002498	0.000477	2.05342		3.58230	12.1706		15.5699	15.7096	15.5335	13.263	13.8156	NaN	13.5741	NaN	2	2	2	1	2	NaN	4	3	
COL14A1	Q05707;Q	1.15E-07	3.69E-08	2.19506	+	1.87547	3.46896		19.3959	19.4173	19.3713	17.4144	16.6776	18.951	16.6722	16.2835	39	39	39	28	8	36	11	4	
UNC58	Q8IZ11;Q	7.16E-05	1.72E-05	2.34053	+	1.32258	2.4835		16.2475	16.097	16.063	11.6095	13.8586	13.8805	16.0606	13.5673	3	3	3	1	1	1	3	1	
COL15A1	P39059	0.000163	3.75E-05	2.36979	+	2.50439	6.36128		17.9591	17.9561	17.9784	NaN	15.8426	14.8625	16.0792	NaN	11	11	11	NaN	6	6	10	NaN	
ADCY7	P51828	0.005411	0.000961	2.7332		0.503352	1.11952		14.7184	14.5964	14.2838	14.1043	13.5146	13.9527	5.62707	NaN	3	3	5	4	2	4	1	NaN	
TP53I11	Q14683	0.000388	8.47E-05	2.82776	+	1.98205	3.6726		16.9087	16.7557	16.8324	12.0188	14.3597	13.9626	14.0699		15.6115	4	4	4	1	3	3	4	4
ENPP1	P22413	2.47E-15	3.79E-15	3.27885	+	3.61819	7.75972		18.428	18.5041	18.4958	14.1924	14.8177	15.7308	15.3021	15.9427	25	26	25	16	15	22	22	21	

Supplementary Table 5: Clinical utility data collection instrument

Participant first name	<i>Pre-filled</i>
Participant surname	<i>Pre-filled</i>
Hospital UR number	<i>Pre-filled</i>
Result:	<i>Pre-filled</i> ☐ A diagnosis was made ☐ A partial diagnosis was made ☐ More than 1 diagnosis was made ☐ A diagnosis was not made
Date patient discharged from hospital:	
Date of death (if relevant):	
Date of discharge from ICU (if relevant):	
Changes in patient management arising from result	
Medication started	☐ Yes ☐ No Details: _____ _____
Medication stopped	☐ Yes ☐ No Details: _____ _____
Medication adjusted	☐ Yes ☐ No Details: _____ _____
Investigation cancelled	☐ Yes ☐ No Details: _____ _____
Additional investigation ordered	☐ Yes ☐ No Details: _____ _____
Subspecialist referral initiated	☐ Yes ☐ No Details: _____ _____

Prior subspecialist service no longer required	☐ Yes ☐ No Details: _____ _____
Surgical procedure initiated (incl biopsy)	☐ Yes ☐ No Details: _____ _____
Surgical procedure cancelled	☐ Yes ☐ No Details: _____ _____
Surgical procedure changed	☐ Yes ☐ No Details: _____ _____
Management redirected towards palliation	☐ Yes ☐ No Details: _____ _____
Decision to palliate reversed	☐ Yes ☐ No Details: _____ _____
Patient eligibility for a new research study affected	☐ Yes ☐ No Details: _____ _____
Was there a change in management as a result of the genomic testing in this patient?	☐ Yes ☐ No Details: _____ _____
Additional family members tested (e.g. sibs)	☐ Yes ☐ No If yes, outcome: _____ _____
Reproductive risk established for parents?	☐ Yes ☐ No If yes: ☐ <1% ☐ 25% ☐ 50% ☐ Other

How do you rate the clinical utility of genomic testing for this patient?	☐ Neutral ☐ Useful ☐ Very useful ☐ Not useful at all ☐ Not very useful
Do you think the length of ICU stay was shortened by genomic testing?	☐ Yes ☐ No If so, by how many days? _____ Explain: _____
Do you think the length of ICU stay was extended by genomic testing?	☐ Yes ☐ No If so, by how many days? _____ Explain: _____
Genomic results (tick all that apply)	☐ Enabled cessation of additional testing ☐ Required additional testing to confirm diagnosis ☐ Allowed avoidance of complications ☐ Required additional testing to screen for complications ☐ Enabled targeted treatment that may improve long-term outcomes ☐ Enabled improved communication of outcomes/expectations/prognosis with the family ☐ Decreased stress and confusion for the family ☐ Increased stress and confusion for the family ☐ Decreased confusion among medical staff ☐ Increased confusion among medical staff ☐ Resulted in a diagnosis not fully understood at this time Comment: _____ _____ _____ _____ _____