

Correction

Correction: Nagy, A., *et al.* Reassessing Domain Architecture Evolution of Metazoan Proteins: Major Impact of Gene Prediction Errors. *Genes* 2011, *2*, 449-501.

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Received: 9 August 2011 / Published: 16 August 2011

We found some errors in the published versions of Figure S2, Figure S3 and Figure S8 of our paper [1]. The correct Figures are presented below.

Figure S2. Correction of the sequence of rat DCLK1_RAT by the FixPred protocol. The DA of DCLK1_RAT was found to differ from those of DCLK1_MOUSE and DCLK1_HUMAN: whereas the latter contain two DCX and a Pkinase domain, the rat sequence lacks DCX domains. The sequence DCLK1_RAT_CORRECTED was predicted by the use of alternative gene models and is supported by ESTs FN798821, CF978300 and CB798849. (a) Comparison of the domain architecture of DCLK1_RAT_With those of the correct DCLK1_HUMAN, DCLK1_MOUSE and DCLK1_RAT_CORRECTED sequences. (b) Alignment of the sequence of DCLK1_RAT with the correct DCLK_HUMAN, DCLK1_MOUSE and DCLK1_RAT_with the correct DCLK_HUMAN, DCLK1_MOUSE and DCLK1_RAT with the correct DCLK_HUMAN, DCLK1_MOUSE and DCLK1_RAT_CORRECTED sequences.



Figure S2. Cont.

50 1 dclk1 rat corrected MSFGRDMELE HFDERDKAQR YSRGSRVNGL PSPTHSAHCS FYRTRTLQTL dclk1_mouse MSFGRDMELE HFDERDKAQR YSRGSRVNGL PSPTHSAHCS FYRTRTLQTL dclk1_human MSFGRDMELE HFDERDKAQR YSRGSRVNGL PSPTHSAHCS FYRTRTLQTL 51 100 dclk1_rat_corrected SSEKKAKKVR FYRNGDRYFK GIVYAISPDR FRSFEALLAD LTRTLSDNVN dclk1_mouse SSEKKAKKVR FYRNGDRYFK GIVYAISPDR FRSFEALLAD LTRTLSDNVN dclk1_human SSEKKAKKVR FYRNGDRYFK GIVYAISPDR FRSFEALLAD LTRTLSDNVN 101 150 dclk1_rat_corrected LPQGVRTIYT IDGLKKISSL DQLVEGESYV CGSIEPFKKL EYTKNVNPNW 151 dclk1_rat_corrected SVNVKTTSAS RAVSSLATAK GGPSEVRENK DFIRPKLVTI IRSGVKPRKA dclk1_rat dclk1_rat dclk1_mouse SVNVKTTSAS RAVSSLATAK GGPSEVRENK DFIRPKLVTI IRSGVKPRKA dclk1_human SVNVKTTSAS RAVSSLATAK GSPSEVRENK DFIRPKLVTI IRSGVKPRKA 201 250 dclk1_rat_corrected VRILLNKKTA HSFEQVLTDI TDAIKLDSGV VKRLYTLDGK QVMCLQDFFG dclk1_rat dclk1_mouse VRILLNKKTA HSFEQVLTDI TDAIKLDSGV VKRLYTLDGK QVMCLQDFFG dclk1_human VRILLNKKTA HSFEQVLTDI TDAIKLDSGV VKRLYTLDGK QVMCLQDFFG 251 300 dclk1_mouse DDDIFIACGP EKFRYQDDFL LDESECRVVK STSYTKIASA SRRGTTKSPG dclk1 human DDDIFIACGP EKFRYQDDFL LDESECRVVK STSYTKIASS SRRSTTKSPG 301 350 dclk1_rat_corrected PSRRSKSPAS TSSVNGTPGS QLSTPRSGKS PSPSPTSPGS LRKQRISQHG dclk1 mouse PSRRSKSPAS TSSVNGTPGS QLSTPRSGKS PSPSPTSPGS LRKQRISQHG dclk1 human PSRRSKSPAS TSSVNGTPGS QLSTPRSGKS PSPSPTSPGS LRKQRSSQHG 351 400 dclk1_rat_corrected GSSTSLSSTK VCSSMDENDG PGE......E ESDEGFQIPA dclk1_rat GSSTSLSSTK VCSSMDENDG PGE......E ESDEGFQIPA dclk1_mouse GSSTSLSSTK VCSSMDENDG PGEGDELGRR HSLQRGWRRE ESEEGFQIPA dclk1_human GSSTSLASTK VCSSMDENDG PGE..... VSEEGFQIPA 401 dclk1_rat_corrected TITERYKVGR TIGDGNFAVV KECIERSTAR EYALKIIKKS KCRGKEHMIQ dclk1 rat TITERYKVGR TIGDGNFAVV KECIERSTAR EYALKIIKKS KCRGKEHMIQ dclk1_mouse TITERYKVGR TIGDGNFAVV KECIERSTAR EYALKIIKKS KCRGKEHMIQ dclk1 human TITERYKVGR TIGDGNFAVV KECVERSTAR EYALKIIKKS KCRGKEHMIQ 451 500 dclk1_rat_corrected NEVSILRRVK HPNIVLLIEE MDVPTELYLV MELVKGGDLF DAITSTSKYT dclk1 rat NEVSILRRVK HPNIVLLIEE MDVPTELYLV MELVKGGDLF DAITSTSKYT dclk1_mouse NEVSILRRVK HPNIVLLIEE MDVPTELYLV MELVKGGDLF DAITSTSKYT dclk1_human NEVSILRRVK HPNIVLLIEE MDVPTELYLV MELVKGGDLF DAITSTNKYT 550 501 dclk1_rat_corrected ERDASGMLYN LASAIKYLHS LNIVHRDIKP ENLLVYEHQD GSKSLKLGDF dclk1 rat ERDASGMLYN LASAIKYLHS LNIVHRDIKP ENLLVYEHQD GSKSLKLGDF dclk1_mouse ERDASGMLYN LASAIKYLHS LNIVHRDIKP ENLLVYEHQD GSKSLKLGDF dclk1 human ERDASGMLYN LASAIKYLHS LNIVHRDIKP ENLLVYEHQD GSKSLKLGDF Figure S2. Cont.

dclk1_rat_corrected dclk1_rat dclk1_mouse dclk1_human	551 GLATIVDGPL GLATIVDGPL GLATIVDGPL GLATIVDGPL	YTVCGTPTYV YTVCGTPTYV YTVCGTPTYV YTVCGTPTYV	APEIIAETGY APEIIAETGY APEIIAETGY APEIIAETGY	GLKVDIWAAG GLKVDIWAAG GLKVDIWAAG GLKVDIWAAG	600 VITYILLCGF VITYILLCGF VITYILLCGF VITYILLCGF
dclk1_rat_corrected dclk1_rat dclk1_mouse dclk1_human	601 PPFRGSGDDQ PPFRGSGDDQ PPFRGSGDDQ PPFRGSGDDQ	EVLFDQILMG EVLFDQILMG EVLFDQILMG EVLFDQILMG	QVDFPSPYWD QVDFPSPYWD QVDFPSPYWD QVDFPSPYWD	NVSDSAKELI NVSDSAKELI NVSDSAKELI NVSDSAKELI	650 NMMLLVNVDQ NMMLLVNVDQ NMMLLVNVDQ TMMLLVDVDQ
dclk1_rat_corrected dclk1_rat dclk1_mouse dclk1_human	651 RFSAVQVLEH RFSAVQVLEH RFSAVQVLEH RFSAVQVLEH	PWVNDDGLPE PWVNDDGLPE PWVNDDGLPE PWVNDDGLPE	NEHQLSVAGK NEHQLSVAGK NEHQLSVAGK NEHQLSVAGK	IKKHFNTGPK IKKHFNTGPK IKKHFNTGPK IKKHFNTGPK	700 PSSTAAGVSV PSSTAAGVSV PSSTAAGVSV PNSTAAGVSV
dclk1_rat_corrected dclk1_rat dclk1_mouse dclk1_human	701 IATTALDKER IATTALDKER IATTALDKER IATTALDKER	QVFRRRRNQD QVFRRRRNQD QVFRRRRNQD QVFRRRRNQD	VRGRYKAQPA VRGRYKAQPA VRSRYKAQPA VRSRYKAQPA	PPELNSESED PPELNSESED PPELNSESED PPELNSESED	750 YSPSSSETVR YSPSSSETVR YSPSSSETVR YSPSSSETVR
dclk1_rat_corrected dclk1_rat dclk1_mouse dclk1_human	751 SPNSPF SPNSPF SPNSPF SPNSPF	(b)			

Figure S3. Evidence that SYWM CAEEL is mispredicted. The Swiss-Prot SYWM CAEEL sequence arose by in silico fusion of the gene encoding the worm ortholog of PEX10 proteins and the worm ortholog of SYWM proteins. Note that no EST supports the existence of the fusion protein and that separate translation of these genes is supported by EST sequences BJ806113 of Caenorhabditis elegans and EST DR782673 of Caenorhabditis remanei. (a) Alignment of the mispredicted fusion sequence SYWM CAEEL with its corrected constituents, PEX10 CAEEL and SYWM CAEEL CORRECTED; (b). Alignment of the FixPred predicted sequence of worm PEX10 CAEEL with orthologous PEX10 sequences; (c) Alignment of the FixPred corrected sequence SYWM CAEEL CORRECTED with orthologous SYWM sequences.

Figure S3. Cont.

151 200 pex10_caeel LFPQLQRAHI ALFYITGAYY SIARRFTGIR FLSASAHSDI PALKVYRFLG sywm caeel LFPQLQRAHI ALFYITGAYY SIARRFTGIR FLSASAHSDI PALKVYRFLG 201 250 pex10 caeel YITLIQLAVS IGISLYSFLE QEKFNNKLKK EKKENNGGSD RNLDENSLFH sywm caeel YITLIQLAVS IGISLYSFLE QEKFNNKLKK EKKENNGGSD RNLDENSLFH 251 300 pex10 caeel PTFOCSICLE NKNPSALFCG HLFCWTCIQE HAVAATSSAS TSSARCPOCR sywm caeel PTFQCSICLE NKNPSALFCG HLFCWTCIQE HAVAATSSAS TSSARCPQCR 301 350 sywm caeel LEFQPRDPNN LRLLSTSTHP TIYFTGIQPT GIPHLGNFFG SIEPWTELQN sywm caeel corrected LNYGFK.PNN LRLLSTSTHP TIYFTGIQPT GIPHLGNFFG SIEPWTELQN 351 400 sywm caeel SVDKNILMML SVVDQHAISL GPLPANELRQ NTHQMTASLI ACGVDPNRTL sywm caeel corrected SVDKNILMML SVVDQHAISL GPLPANELRQ NTHQMTASLI ACGVDPNRTL 401 450 451 500 sywm caeel corrected YPLLQAADVL TFKATTVPVG EDQSQHLNLL GGLAYAFNKT YETEIFPIPK 501 550 sywm caeel QLTRESHARI RSLREPEKKM SKSSGGPRSR IEITDSRSTI IEKCQKAQSD sywm caeel corrected QLTRESHARI RSLREPEKKM SKSSGGPRSR IEITDSRSTI IEKCQKAQSD 551 600 sywm caeel NAGKVTYDKE NRLAVSNLLD LYSAVTKTQT SEIDFSNWTT LDLKMNLAEA sywm caeel corrected NAGKVTYDKE NRLAVSNLLD LYSAVTKTQT SEIDFSNWTT LDLKMNLAEA 601 650 sywm caeel VDKRLAPIRQ KFEELQNTGE VDKVLTENGE KAREIAEKNL EEIRRTIGFL sywm_caeel_corrected VDKRLAPIRQ KFEELQNTGE VDKVLTENGE KAREIAEKNL EEIRRTIGFL

(a)



	1				50
pex10 human	~~MAPAAASP	PEVIRAAOKD	EYYRGGLRSA	AGGALHSLAG	ARKWLEWR
pex10 macfa	~~MAPAAASP	PEVIRAAOKD	EYYRGGLESA	AGGALHSLAG	ARKWLEWR
pex10_maera	~~MNTYVAET	GETVRSORRD	EEVIEDITER	LSBVSKELLG	ORTWIRWE
perio_cacer	MERITGENNY	DATUDANORD	SALESDIANU	TIDWARVING	GREARAND
pexi0_pican	- MULGAUTOD	TOTTICMETD	SILPSKRIMÖ	TECTADA CC	DDMOANEECU
pexio_schpo	~MHLSAHIDP	TÕIITCIFID	PACIÓLIV2Ő	ILGIARA.CG	PRMQANTEGV
	E 1				100
nov10 human	JT AEAEIIGD	עאעד מחד א	CVOTT CEEVU	STTOWDBODT	U VDCCTD
pexio_numan	KEVELLSD	VAIFGLIILA	GIÕITGEFIA	SIIQVDFSKI	nvrssik
pexi0_macia	KEVELLSD	VAIEGLITLA	GIQTLGEEIV	SIVRVDPSQT	RVPSWLR
pexi0_caeei	PILKSIAS	TLIITSTVVL	GNQTLGEEYV	HLFESNGLER	TVPSIPS
pex10_pican	EELRTLAT	ALYLCLTTLV	GSKTLGEEYV	DLVYVSRDGR	KIPKFAS
pex10_schpo	LIPYVDVLGK	FLYRACCL	RYATMGEEAA	RIVLAKQDRS	KGLVLATTGE
	1.0.1				150
	101				150
pex10_human	RGVLVTLHAV	LPYLLD	KALLPLEQEL	QADPDSGRPL	QGSLGPGGRG
pex10_macfa	RGVLVTLHAV	LPYLLD	KVLLPLEQEL	QADPDSGRPS	QGSLVPGGRG
pex10_caeel	RISFVLLHSA	FPLISNYLIQ	KAESTL	THPS	TESFL
pex10_pican	RFGFVVAYVL	FPYAVRQLLQ	K.LKAQQSRL		AQL
pex10_schpo	RMTSLIFSLV	IDLVGVH.VN	KLLKQASYSS	SFKLPFG	LRNLLPEAVI
	151				200
pex10_human	CSGARRWMRH	HTATLTEQQR	RALLRAVFVL	RQGL.ACL.Q	RLHVAWFYIH
pex10 macfa	CSGVRRWVRR	HTATLTEQQR	RALLRAAFVL	RQGL.ACL.Q	QLHVAWFYIH
pex10 ⁻ caeel	GIPIRK	NQKAR	QSFLDVFFWL	RTKLFPQL.Q	RAHIALFYIT
pex10 pican	VSGV		.SYMNVMDLL		NLHLALFYFT
pex10 schpo	SKEK	HLVYILNSFK	PILLKLVSII	RFLCLTM	KGHCA
	201				250
pex10 human	GVFYHLAKRL	TGITYLRVRS	LPGEDLRARV	SYRLLGVISL	LHLVLSMG
pex10 macfa	GVFYHLAKRL	TGITYLRVRS	LPGEDLRARV	SYRLLGVVSL	LHLVLSVG
pex10 caeel	GAYYSIARRF	TGIRFLSASA	HSDIPALK	VYRFLGYITL	IOLAVSIG
pex10 pican	GKYYOFAKRL	FGLRYAFGYR	VDKNOORARG	NYELLGLLII	FOTVFKNVAN
pex10 schpo	TVSOLL	LGLKYISLDE	INPEEKK	KVLTLLLL	LG
	~				
	251				300
pex10 human	LQ.LYGFRQR	QRARKE	WRLHRGLSHR	RASLEERAVS	RNPLCT
pex10 macfa	LR.LYGFROR	0RARKE	WRLHRGLSHR	RGSLEERAVS	RNPLCT
pex10 caeel	IS.LYSFLEO	~ EKFNNKLKKE	KKENNGGSDR	NLDENSLF	.HPTFOCS
pex10 pican	LRKLWGATKT	VODSGDLI	YRFRDOTSDV	IDLADPKVLP	YLPEASRTCM
pex10_schpo	SRLTASTLOH	SNSYFDOHTT	SSITDE	RDLEDKNKLP	FIPEGNRKCS
pointo_pointo	~	5115112 <u>6</u> 111			
pex10 human	301				350
 nev10_macfa	301 LCLEERRHPT	ATPCGHLFCW	ECI	TAWCS.SKAE	350 CPLCREKFPP
DEAID Macia	301 LCLEERRHPT LCLEERRHPT	ATPCGHLFCW ATPCGHLFCW	ECI	TAWCS.SKAE TAWCS.SKAE	350 CPLCREKFPP CPLCREKFPP
pex10_macra	301 LCLEERRHPT LCLEERRHPT ICL.ENKNPS	ATPCGHLFCW ATPCGHLFCW ALFCGHLFCW	ECI ECI TCIOEHAVAA	TAWCS.SKAE TAWCS.SKAE TSSASTSSAR	350 CPLCREKFPP CPLCREKFPP CPOCRLEFOP
pex10_macia pex10_caeel pex10 pican	301 LCLEERRHPT LCLEERRHPT ICL.ENKNPS LCLSPMKDPS	ATPCGHLFCW ATPCGHLFCW ALFCGHLFCW CGECGHVFCW	ECI ECI TCIQEHAVAA KCVLD	TAWCS.SKAE TAWCS.SKAE TSSASTSSAR WVK.EROF	350 CPLCREKFPP CPLCREKFPP CPQCRLEFQP CPLCRAKMRE
pex10_macia pex10_caeel pex10_pican pex10_schpo	301 LCLEERRHPT LCLEERRHPT ICL.ENKNPS LCLSPMKDPS LCMEFTHCPA	ATPCGHLFCW ATPCGHLFCW ALFCGHLFCW CGECGHVFCW ATECGHIFCW	ECI ECI TCIQEHAVAA KCVLD SCI	TAWCS.SKAE TAWCS.SKAE TSSASTSSAR WVK.ERQE NGWTS.KKSE	350 CPLCREKFPP CPLCREKFPP CPQCRLEFQP CPLCRAKMRE CPLCRAFSSP
pex10_nacia pex10_caeel pex10_pican pex10_schpo	301 LCLEERRHPT LCLEERRHPT ICL.ENKNPS LCLSPMKDPS LCMEFIHCPA	ATPCGHLFCW ATPCGHLFCW ALFCGHLFCW CGECGHVFCW ATECGHIFCW	ECI ECI TCIQEHAVAA KCVLD SCI	TAWCS.SKAE TAWCS.SKAE TSSASTSSAR WVK.ERQE NGWTS.KKSE	350 CPLCREKFPP CPLCREKFPP CPQCRLEFQP CPLCRAKMRE CPLCRAFSSP
pex10_macla pex10_caeel pex10_pican pex10_schpo	301 LCLEERRHPT LCLEERRHPT ICL.ENKNPS LCLSPMKDPS LCMEFIHCPA 351	ATPCGHLFCW ATPCGHLFCW ALFCGHLFCW CGECGHVFCW ATECGHIFCW	ECI ECI TCIQEHAVAA KCVLD SCI	TAWCS.SKAE TAWCS.SKAE TSSASTSSAR WVK.ERQE NGWTS.KKSE	350 CPLCREKFPP CPLCREKFPP CPQCRLEFQP CPLCRAKMRE CPLCRAFSSP
pex10_mac1a pex10_caeel pex10_pican pex10_schpo pex10_human	301 LCLEERRHPT LCLEERRHPT ICL.ENKNPS LCLSPMKDPS LCMEFIHCPA 351 QKLIYLRHYR	ATPCGHLFCW ATPCGHLFCW ALFCGHLFCW CGECGHVFCW ATECGHIFCW	ECI ECI TCIQEHAVAA KCVLD SCI	TAWCS.SKAE TAWCS.SKAE TSSASTSSAR WVK.ERQE NGWTS.KKSE	350 CPLCREKFPP CPLCREKFPP CPQCRLEFQP CPLCRAKMRE CPLCRAFSSP
pex10_mac1a pex10_caeel pex10_pican pex10_schpo pex10_human pex10_macfa	301 LCLEERRHPT LCLEERRHPT ICL.ENKNPS LCLSPMKDPS LCMEFIHCPA 351 QKLIYLRHYR QKLIYLRHYR	ATPCGHLFCW ATPCGHLFCW ALFCGHLFCW CGECGHVFCW ATECGHIFCW	ECI ECI TCIQEHAVAA KCVLD SCI	TAWCS.SKAE TAWCS.SKAE TSSASTSSAR WVK.ERQE NGWTS.KKSE	350 CPLCREKFPP CPLCREKFPP CPQCRLEFQP CPLCRAKMRE CPLCRAFSSP
pex10_mac1a pex10_caeel pex10_pican pex10_schpo pex10_human pex10_macfa pex10_caeel	301 LCLEERRHPT LCLEERRHPT ICL.ENKNPS LCLSPMKDPS LCMEFIHCPA 351 QKLIYLRHYR QKLIYLRHYR RDVTPLLNL*	ATPCGHLFCW ATPCGHLFCW ALFCGHLFCW CGECGHVFCW ATECGHIFCW 362 ~~ **	ECI ECI TCIQEHAVAA KCVLD SCI	TAWCS.SKAE TAWCS.SKAE TSSASTSSAR WVK.ERQE NGWTS.KKSE	350 CPLCREKFPP CPLCREKFPP CPQCRLEFQP CPLCRAKMRE CPLCRAFSSP
pex10_mac1a pex10_caeel pex10_pican pex10_schpo pex10_human pex10_macfa pex10_caeel pex10_pican	301 LCLEERRHPT LCLEERRHPT ICL.ENKNPS LCLSPMKDPS LCMEFIHCPA 351 QKLIYLRHYR QKLIYLRHYR RDVTPLLNL* SQLLPLR~~~	ATPCGHLFCW ATPCGHLFCW ALFCGHLFCW CGECGHVFCW ATECGHIFCW 362 ~~ **	ECI ECI TCIQEHAVAA KCVLD SCI	TAWCS.SKAE TAWCS.SKAE TSSASTSSAR WVK.ERQE NGWTS.KKSE	350 CPLCREKFPP CPLCREKFPP CPQCRLEFQP CPLCRAKMRE CPLCRAFSSP
pex10_mac1a pex10_caeel pex10_schpo pex10_human pex10_macfa pex10_caeel pex10_pican pex10_schpo	301 LCLEERRHPT LCLEERRHPT ICL.ENKNPS LCLSPMKDPS LCMEFIHCPA 351 QKLIYLRHYR QKLIYLRHYR QKLIYLRHYR RDVTPLLNL* SQLLPLR~~~ SKIILLR~~~	ATPCGHLFCW ATPCGHLFCW ALFCGHLFCW CGECGHVFCW ATECGHIFCW 362 ~~ ** **	ECI ECI TCIQEHAVAA KCVLD SCI	TAWCS.SKAE TAWCS.SKAE TSSASTSSAR WVK.ERQE NGWTS.KKSE	350 CPLCREKFPP CPLCREKFPP CPQCRLEFQP CPLCRAKMRE CPLCRAFSSP

Figure S3. Cont.



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Figure S8. Correction of the sequence of the XP_416936 protein of *Gallus gallus* with the FixPred protocol. The DA of the GNOMON predicted protein XP_416936 was found to differ from those of GAS6_MOUSE, GAS6_RAT, GAS6_HUMAN: whereas the latter contain a signal peptide, a Gla, three EGF_CA, a Laminin_G_1 and a Laminin_G_2 domain, XP_416936 lacks the N-terminal signal peptide and Gla domain. The sequence XP_416936_CORRECTED was predicted by the use of ESTs CD217792, BM439645 and BU115578. (a) Comparison of the DAs of XP_416936, XP_416936_CORRECTED with those of GAS6_MOUSE, GAS6_RAT and GAS6_HUMAN. Note that some of the four EGF_CA domains of GAS6 proteins are detected with E-values >0.0001 and are not represented in the DA images generated by Pfam. (b) Alignment of the sequences of XP_416936, XP_416936, XP_416936_CORRECTED with those of GAS6_MOUSE, GAS6_RAT and GAS6_MOUSE, GAS6_RAT and GAS6_HUMAN.



605

Figure S8. Cont.

201 250 xp 416936 CAASADICGE ARCKNLISSY ECVCDAGYRY DEQRKTCDDI NECEERLCEQ xp 416936 corrected CAASADICGE ARCKNLISSY ECVCDAGYRY DEQRKTCDDI NECEERLCEQ gas6 mouse CTDS.DTCGD ARCKNLPGSY SCLCDEGYTY SSKEKTCODV DECOODRCEO gas6 rat CTDS.DTCGD ARCKNLPGSY SCLCDKGYTY SSKEKTCQDV DECQQDRCEQ gas6 human CADS.EACGE ARCKNLPGSY SCLCDEGFAY SSQEKACRDV DECLQGRCEQ 251 300 xp_416936 MCVNSPGSYT CHCDGRGGVK LSQDMNTCE. xp 416936 corrected MCVNSPGSYT CHCDGRGGVK LSQDMNTCE. gas6 mouse TCVNSPGSYT CHCDGRGGLK LSPDMDTCE. gas6 rat TCVNSPGSYT CHCNGRGGLK LSPDMDTCE. gas6 human VCVNSPGSYT CHCDGRGGLK LSQDMDTCEL EAGWPCPRHR RDGSPAARPG 301 350 gas6 rat RGAQGSRSEG HIPDRRGPRP WQDILPCVPF SVAKSVKSLY LGRMFSGTPV gas6 human 351 400 xp 416936 IRLRFKRKQL TRLVAEFDFR TFDPEGILFF AGGHQDSTWV VLALRKGRLE xp_416936_corrected IRLRFKRKQL TRLVAEFDFR TFDPEGILFF AGGHQDSTWV VLALRKGRLE gas6_mouse IRLRFKRLQP TRLLAEFDFR TFDPEGVLFF AGGRSDSTWI VLGLRAGRLE
gas6_rat IRLRFKRLQP TRLLAEFDFR TFDPEGVLFF AGGRSDSTWI VLGLRAGRLE gas6 human IRLRFKRLQP TRLVAEFDFR TFDPEGILLF AGGHQDSTWI VLALRAGRLE 401 450 xp 416936 LQLKYSGIGR VTSSGPLINH GMWQTISVEE LERSLVVKVN RDAVMRIAVS xp_416936_corrected LQLKYSGIGR VTSSGPLINH GMWQTISVEE LERSLVVKVN RDAVMRIAVS gas6_mouse LQLRYNGVGR ITSSGPTINH GMWQTISVEE LERNLVIKVN KDAVMKIAVA
gas6_rat LQLRYNGVGR ITSSGPTINH GMWQTISVEE LDRNLVIKVN KDAVMKIAVA gas6 human LQLRYNGVGR VTSSGPVINH GMWQTISVEE LARNLVIKVN RDAVMKIAVA 451 500 xp_416936 GDLFTLDKGL YQLNLTVGGI PFKTKDLIVP INPRLDGCLR AWNWLNGEDS xp_416936_corrected GDLFTLDKGL YQLNLTVGGI PFKTKDLIVP INPRLDGCLR AWNWLNGEDS gas6 mouse GELFQLERGL YHLNLTVGGI PFKESELVQP INPRLDGCMR SWNWLNGEDS gas6 rat GGLFQLERGL YHLNLTVGGI PFKESDLVQP INPRLDGCMR SWNWLNGEDS gas6 human GDLFQPERGL YHLNLTVGGI PFHEKDLVQP INPRLDGCMR SWNWLNGEDT 501 550 xp 416936 TIQETIKMNE RMQCFAVAGR GSFYPGRGFA IFNLTYMQPS SRNETKTSWK TIQETIKMNE RMQCFAVAGR GSFYPGRGFA IFNLTYMQPS SRNETKTSWK xp 416936 corrected gas6 mouse AIQETVKANT KMQCFSVTER GSFFPGNGFA TYRLNYTRTS LDVGTETTWE gas6 rat AIQETVKANT KMQCFSVTER GSFFPGNGFA FYSLNYTRTS LDVGTETTWE gas6 human TIQETVKVNT RMQCFSVTER GSFYPGSGFA FYSLDYMRTP LDVGTESTWE 551 600 xp 416936 IEVNAVIQPA TDTGVMFALV TEDAS.VPLS LSLVDYHSTK KLKQQFVILA xp 416936 corrected IEVNAVIQPA TDTGVMFALV TEDAS.VPLS LSLVDYHSTK KLKOOFVILA gas6 mouse VKVVARIRPA TDTGVLLAL. VGDDDVVPIS VALVDYHSTK KLKKQLVVLA gas6 rat VEVVARIRPA TDTGVLMAL. VGDKDVVLLS VALVDYHSTK KLKKQLVVLA gas6 human VEVVAHIRPA ADTGVLFALW APDLRAVPLS VALVDYHSTK KLKKQLVVLA 601 650 xp_416936 VEDTVVSRLA LNLCDKKEHS VDILLKKDQL SLRVDGMEGE RELSTSELED xp 416936 corrected VEDTVVSRLA LNLCDKKEHS VDILLKKDQL SLRVDGMEGE RELSTSELED gas6_mouse VEDVALALME IKVCDSQEHT VTVSLREGEA TLEVDGTKGQ SEVSTAQLQE gas6_rat VENVALALME IKVCDSQEHT VTVSLRDGEA TLEVDGTKGQ SEVSTAQLQE gas6_human VEHTALALME IKVCDGQEHV VTVSLRDGEA TLEVDGTRGQ SEVSAAQLQE

Figure S8. Cont.

 651
 700

 xp_416936
 SLSILESSLQ SPVKTYVGGL PDVNVTATPV TAFYHGCMTV KLRSKALDLD

 gas6_mouse
 RLDTLKTHLQ GSVHTYVGGL PDVNVTATPV TAFYHGCMTV KLRSKALDLD

 gas6_rat
 RLDTLKTHLQ GSVLTFVGGL PDVQVTSTPV TAFYRGCMTL EVNGKILDLD

 gas6_human
 RLAVLERHLR SPVLTFAGGL PDVPVTSAPV TAFYRGCMTL EVNGKTLDLD

 xp_416936
 EALYKHSDIT SHSCPPVEAG P~

 xp_416936_corrected
 EALYKHSDIT SHSCPPVEAG P*

 gas6_mouse
 TASYKHSDIT SHSCPPVEHA TP

 gas6_rat
 TASYKHSDIT SHSCPPVEHA AA

(b)

We apologize for any inconvenience caused to the readers.

References

 Nagy, A.; Szláma, G.; Szarka, E.; Trexler, M.; Bányai, L.; Patthy, L. Reassessing Domain Architecture Evolution of Metazoan Proteins: Major Impact of Gene Prediction Errors. *Genes* 2011, 2, 449–501.

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