

A

BI				GI			
Rank	ST	spa types	Frequency (%)	Rank	ST	spa types	Frequency (%)
1	5	t002, t045, t179, t306, t311, t539, t653	9.47	1	15	t084, t094, t803, nt	11.59
1	8	t008, t024, t064, t711, nt	9.47	1	45	t026, t065, t116, t282, nt	11.59
1	30	t012, t019, t021, t1827, nt	9.47	2	1	t127, t321, t2207, new	8.70
2	45	t073, t130, t230, t12618, nt	8.42	3	5	t002, t010, t16288	7.25
3	7	t091, t1943, nt	7.37	4	7	t091	5.80
4	582	t065, nt	5.26	5	30	t012, t1456, t16786	4.35
5	15	t1885, t5766, nt	4.21	5	464	t224	4.35
5	398	t6605, t1451, nt	4.21	5	582	t084, nt, new	4.35
6	9	t1546, t3196	3.16	6	8	t008, t16788	2.90
7	1	t127, t1748	2.11	6	12	t156, t160	2.90
7	12	t160, t9259	2.11	6	88	nt	2.90
7	22	t223, nt	2.11	7	9	t1313	1.45
7	101	t056, t1312	2.11	7	20	t16784	1.45
8	6	t304	1.05	7	22	nt	1.45
8	20	t164	1.05	7	34	t6129	1.45

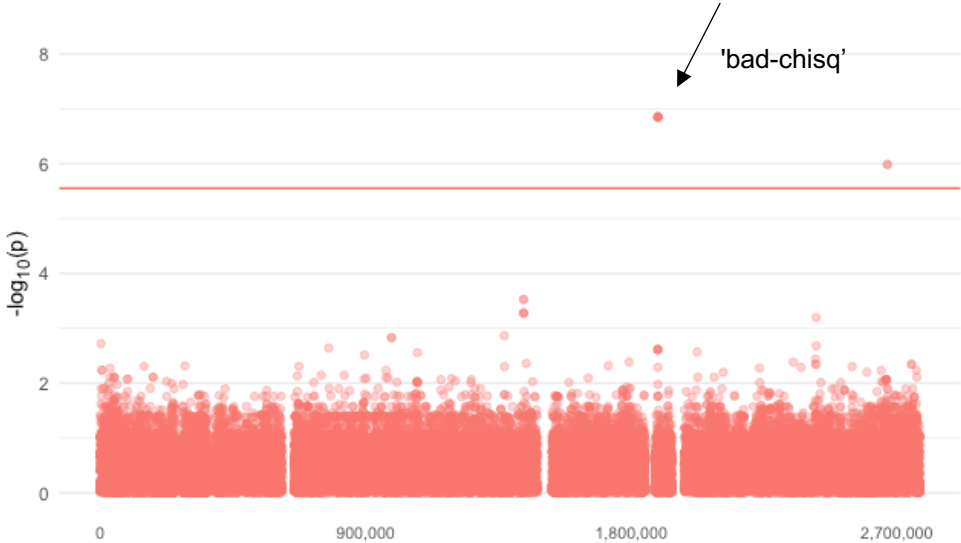
Abbreviations: nt, not typeable by WGS; ST, sequence type.

B

IGR	Gene upstream	Gene downstream	Sensitivity	Specificity	Odds Ratio	Bonferroni P-value (Scoary)
Cluster_6114	tRNA-Ala	tRNA-Ile	0%	67%	0	1.43E-06
Cluster_7925	tRNA-Glu	NA	0%	67%	0	1.43E-06
Cluster_7956	NA	tRNA-Asn	0%	70%	0	1.29E-05
Cluster_6452	tRNA-Ala	NA	97%	38%	19	5.91E-05
Cluster_5792	NA	tRNA-Ala	1%	68%	0	6.81E-05
Cluster_8373	tRNA-Glu	NA	97%	33%	15	2.21E-03
Cluster_5857	5S ribosomal RNA	NA	0%	78%	0	6.85E-03
Cluster_6196	NA	tRNA-Ile	91%	42%	7	1.17E-02

Abbreviations: NA, not applicable.

C



D

