

Table S14

GeneFamily	Coefficient	AIC	P-value	FDR	Annotation
ARGENE000142	4.19	40.97	0	0	<i>sul2</i>
ARGENE000144	3.08	36.56	5.36E-59	7.95E-56	aph6id (<i>strA</i>)
ARGENE000034	3.99	34.12	5.88E-50	5.81E-47	aph33ib (<i>strB</i>)
ARGENE400003	3.18	50.57	8.65E-47	6.42E-44	ISCR2 transposase
ARGENE200007	-3.69	67.63	1.07E-19	6.36E-17	<i>qnrD</i>
ARGENE100006	1.90	26.95	3.35E-12	1.58E-09	<i>intI1</i>
ARGENE302403	3.35	107.73	2.01E-09	7.47E-07	ISVsa3 (IS91)
ARGENE200006	-3.46	17.41	1.93E-08	5.73E-06	<i>qnrC</i>
ARGENE200008	-22.11	13.20	9.91E-07	0.000267	<i>qnrS</i>
ARGENE000107	-21.03	16.08	2.58E-06	0.00059	bl2_ges (<i>blaGES</i>)
ARGENE000244	-24.63	10.58	0.000124	0.02621	ant3ia (<i>aadA</i>)