

Table S3 - continued

CDS position in RLB1-8 (Reference)	Strains										
	RLB1-8	S1D4-23	RLB1-9	S1A1-3	S1A1-8	S1A1-7	RLB3-6	RLB3-17	RLB3-5	S1D4-14	S1D4-20
376	4	4	4	4	4	4	4	5	4	4	4
378	2	2	3	3	3	2	2	2	2	2	2
384	1	1	3	3	3	1	1	1	1	1	1
422	1	57	1	1	1	1	57	1	1	1	1
448	0	3	0	0	0	0	0	0	0	0	0
455	5	5	5	5	5	5	5	6	5	5	5
465	0	0	4	4	4	0	0	0	0	0	0
467	3	3	6	6	6	3	3	1	3	3	3
469	2	2	2	2	2	3	2	2	2	2	2
474	5	1	5	5	5	5	1	5	5	5	5
476	0	0	2	2	2	3/0	0	3/0	0	0	0
510	6	6	2	2	2	6	6	2	6	6	6
513	3	0	3	3	3	3	0	3	3	3	3
522	5	2	5	5	5	5	2	5	5	5	5
525	2	2	2	2	2	4	2	2	2	2	2
530	0	0	5	5	5	0	0	0	0	0	0
531	3	4	3	3	3	3	4	3	3	3	3
537	20	10	20	20	20	20	10	20	20	20	20
543	14	14	12	12	12	5	14	12	14	14	14
565	0	0	0	0	0	16	0	4	0	0	0
578	2	2	2	2	2	2	5	2	2	2	2
582	0	8	0	0	0	0	4	0	0	0	0
584	3	3	3	3	3	3	4	3	3	3	3
600	2	2	3	3	3	2	2	3	2	2	2
610	14	14	37	37	37	33	14	33	14	14	14
616	1	1	1	1	1	1	3	1	1	1	1
626	3	3	2	2	2	2	3	3	3	3	3

Table S3 - continued

CDS position in RLB1-8 (Reference)	Strains										
	RLB1-8	S1D4-23	RLB1-9	S1A1-3	S1A1-8	S1A1-7	RLB3-6	RLB3-17	RLB3-5	S1D4-14	S1D4-20
630	3	3	3	3	3	3	3	3	3	3	3
639	0	0	3	3	3	0	0	0	0	0	0
643	35	2	35	35	35	2	2	35	35	35	35
674	5	5	5	5	5	5	5	3	5	5	5
693	3	3	3	3	3	3	4	3	3	3	3
701	1	1	1	4	4	1	1	1	1	1	1
705	4	4	4	2	2	4	4	2	4	4	4
712	2	4	2	2	2	2	4	2	2	2	2
731	1	17	1	1	1	1	17	1	1	1	1
755	2	7	3	3	3	2	3	2	2	2	2
760	3	1	1	1	1	3	1	3	3	3	3
766	7	7	4	4	4	4	7	4	7	7	7
769	4	7	4	4	4	4	7	4	4	4	4
779	0	3	0	0	0	0	3	0	0	0	0
810	6	1	6	6	6	6	1	6	6	6	6
852	1	6	1	1	1	1	6	1	1	1	1
855	4	5	4	4	4	4	5	4	4	4	4
930	6	4	4	4	4	6	4	6	6	6	6
938	12	0	0	0	0	12	0	12	12	12	12
1011	0	59	59	59	59	59	59	0	0	0	0
1013	3	5	3	3	3	5	3	3	3	3	3
1037	1	7	1	1	1	1	7	1	1	1	1
1054	1	8	1	1	1	1	8	1	1	1	1
1077	0	7	0	0	0	0	6	0	0	0	0
1104	1	1	1	4	4	1	1	1	1	1	1
1216	3	0	0	0	0	0	0	0	3	3	3
1252	5	5	1	1	1	1	5	5	5	5	5
1411	3	7	12	13	13	3	3	3	3	3	3

Table S3 - continued

CDS position in RLB1-8 (Reference)	Strains										
	RLB1-8	S1D4-23	RLB1-9	S1A1-3	S1A1-8	S1A1-7	RLB3-6	RLB3-17	RLB3-5	S1D4-14	S1D4-20
1425	103	95	172	175	175	95	95	18	103	103	103
1433	58	58	58	58	58	20	20	58	58	58	58
1523	20	20	20	20	20	20	20	8	20	20	20
1530	10	2	10	10	10	3	1	10	10	10	10
1532	3	3	0	0	0	3	3	3	3	3	3
1562	2	2	2	2	2	2	5	2	2	2	2
1597	7	7	7	7	7	7	7	0	7	7	7
1619	1	3	1	1	1	3	3	5	1	1	1
1630	4	6	4	4	4	4	4	4	4	4	4
1638	28	6	28	28	28	2	3	87	28	28	28
1642	2	2	5	5	5	2	2	2	2	2	2
1658	3	3	4	4	3	3	3	3	3	3	3
1672	0	0	6	5	5	0	0	0	0	0	0
1677	17	4	17	17	17	5	17	17	17	17	17
1687	1	1	4	4	4	1	1	1	1	1	1
1700	4	20	4	4	4	4	4	4	4	4	4
1713	4	4	4	4	4	11	12	11	4	4	4
1727	105	0	105	105	105	0	0	105	105	105	105
1737	12	12	12	12	12	12	12	12	12	12	12
1741	5	5	4	5	5	5	5	5	5	5	5
1745	5	1	5	5	5	1	2	5	5	5	5
1758	5	0	5	5	5	1	0	5	5	5	5
1829	2	2	2	2	2	2	2	11	2	2	2
1845	4	0	4	4	4	0	4	4	4	4	4
1876	3	3	2	2	2	27	38	5	3	3	3
1878	13	10	13	13	13	13	13	13	13	13	13
1903	0	4	0	0	0	0	4	0	0	0	0
2017	2	12	2	2	2	2	37	2	2	2	2

Table S3 - continued

CDS position in RLB1-8 (Reference)	Strains										
	RLB1-8	S1D4-23	RLB1-9	S1A1-3	S1A1-8	S1A1-7	RLB3-6	RLB3-17	RLB3-5	S1D4-14	S1D4-20
2067	4	3	11	11	11	11	7	4	4	1	1
2080	3	8	3	3	3	3	8	3	3	3	3
2153	12	14	12	12	12	12	14	12	12	12	12
2296	0	7	0	0	0	0	7	0	0	0	0
2359	2	2	2	2	2	4	2	2	2	2	2
2509	2	2	2	2	2	2	2	3	2	2	2
2614	0	3	0	0	0	0	3	0	0	0	0
2940	0	0	0	0	0	0	0	3	0	0	0
2977	41*	0	0	0	0	0	0	0	41*	41*	41*
3222	0	4	0	0	0	0	0	0	0	0	0
3485	0	0	20	20	20	20	0	0	0	0	0
3778	1	6	1	1	1	1	6	1	1	1	1
3785	0	4	0	0	0	0	4	0	0	0	0
3881	0	0	0	0	0	0	24*	0	0	0	0
3954	2	15*	2	2	2	17*	2	2	2	2	2
3956	0	0	0	0	0	0	0	0	0	0	84
4202	0	0	7	10	10	0	0	0	0	0	0
4252	3	3	3	3	3	5	3	3	3	3	3
4254	1	21*	1	1	1	1	21*	1	1	1	1
4351	0	7	0	0	0	0	7	0	0	0	0
4356	2	18*	2	2	2	2	4	2	2	2	2
4371	4	2	4	4	4	4	2	4	4	4	4
4380	8	6	8	8	8	8	6	8	8	8	8
4382	6	6	1	1	1	1	6	6	6	6	6
4384	4	4	4	4	4	4	4	0	4	4	4
4566	19	6	4	4	4	13	4	19	19	19	19

Table S3 - continued

CDS position in RLB1-8 (Reference)	Strains										
	RLB1-8	S1D4-23	RLB1-9	S1A1-3	S1A1-8	S1A1-7	RLB3-6	RLB3-17	RLB3-5	S1D4-14	S1D4-20
7232	3	3	3	3	3	3	3	3	3	3	5
7408	0	0	0	0	0	3	0	0	0	0	0
7441	1	3	1	1	1	1	3	1	1	1	1
7473	0	0	0	0	0	0	0	36*	0	0	0
7483	0	0	19*	19*	19*	0	15*	0	0	0	0
7663	3	1	1	1	1	1	1	1	3	3	3
7811	0	0	0	0	0	3	0	0	0	0	0
7945	1	1	1	1	1	1	4	1	1	1	1
7949	2	4	2	2	2	2	4	2	2	2	2
7977	24	11	2	2	2	12	11	5	24	24	24
8028	4	0	0	0	0	0	0	0	4	4	4
8059	0	0	0	0	0	17	0	0	0	0	0
8063	1	1	1	1	1	4	1	1	1	1	1
8114	1	1	1	1	1	5	1	1	1	1	1
8117	0	95	0	0	0	0	95	0	0	0	0
8183	0	241	139	138	138	53	241	144	0	0	0
8302	0	0	0	0	0	17	0	17	0	0	0
8390	0	0	4	4	4	0	0	4	0	0	0
8445	0	0	3	3	3	0	0	3	0	0	0
8452	3	3	5	5	5	3	3	5	3	3	3
8595	52	0	0	0	0	0	0	52	52	52	52
8687	0	0	27	27	27	0	0	31	0	0	0
8704	0	0	0	0	0	25*	0		0	0	0
9051	1	1	3	1	1	1	1	1	1	1	1
9063	1	3	1	1	1	1	3	1	1	1	1
9082	0	0	0	0	0	3	0	3	0	0	0
9139	4	4	4	4	4	4	4	5	4	4	4

Table S3 - continued

CDS position in RLB1-8 (Reference)	Strains										
	RLB1-8	S1D4-23	RLB1-9	S1A1-3	S1A1-8	S1A1-7	RLB3-6	RLB3-17	RLB3-5	S1D4-14	S1D4-20
9163	4	4	4	4	4	4	5	4	4	4	4
9362	2	6	2	2	2		6	2	2	2	2
9374	7	8	7	7	7	8	12	7	7	7	7
9400	6	0	6	6	6	0	0	6	6	6	6
9403	3	3	0	0	0	3	3	0	3	3	3
9409	1	1	1	1	1	1	3	1	1	1	1
9428	4	4	3	3	3	3	4	4	4	4	4
9435	7	7	7	7	7	7	10	7	7	7	7
9444	0	3	0	0	0	0	0	0	0	0	0
9610	4	1	4	4	4	4	1	4	4	4	4
9735	1		1	1	1	1	1	1	87	1	1
9831	1	34	1	1	1	1	32	1		1	1
9851	0	0	3	3	3	0	0	0	0	0	0
9962	2	5	7	7	7	5	5	7	2	2	2
9986	9	6	9	9	9	9	6	9	9	9	9
10169	2	4	2	2	2	7	4	2	2	2	2
10189	4	8	4	4	4	4	4	4	4	4	4
10192	1	1	1	1	1	1	6	1	1	1	1
10197	4	4	5	5	5	4	4	5	4	4	4
10211	3	0	0	0	0	0	0	0	3	3	3
10239	1	1	4	4	4	1	1	4	1	1	1
10254	10	10	2	2	2	10	10	2	10	10	10
10261	3	3	3	3	3	4	3	3	3	3	3
10283	14	2	14	14	14	2	2	14	14	14	14
10299	8	1	8	8	8	1	1	8	8	8	8
10325	1	1	1	1	1	1	1	5	1	1	1
10328	2	9	2	2	2	9	9	2	2	2	2
10337	5	5	5	5	5	10		5	5	5	5

Table S3 - continued

CDS position in RLB1-8 (Reference)	Strains										
	RLB1-8	S1D4-23	RLB1-9	S1A1-3	S1A1-8	S1A1-7	RLB3-6	RLB3-17	RLB3-5	S1D4-14	S1D4-20
10347	0	0	0	0	0	0	0	3	0	0	0
10351	3	3	3	3	3	12	3	3	3	3	3
10376	7	22	7	7	7	7	22	7	7	7	7
10400	2	2	2	2	2	5	2	2	2	2	2
10430	5	5	5	5	5	5	10	5	5	5	5
10441	1	1	1	1	1	1	7	1	1	1	1
10448	29	7	29	29	29	29	11	29	29	29	29
10470	2	2	2	4	2	2	2	2	2	2	2
10472	0	0	0	0	0	0	0	3	0	0	0
10487	4	4	4	4	4	2	7	4	4	4	4
10497	4	4	2	5	5	4	4	2	4	4	4