

**Table S6 G vs 333 Substitution Only**

Gene	G.length	333.length	Iden%	Sub	Ins	Del
UL4	606	606	99.8%	1	0	0
UL1	675	675	99.9%	1	0	0
UL7	891	891	99.9%	1	0	0
UL2	1005	1005	99.8%	2	0	0
UL14	660	660	99.8%	1	0	0
UL10	1404	1404	99.8%	3	0	0
UL20	669	669	99.9%	1	0	0
UL18	957	957	99.9%	1	0	0
UL13	1557	1557	99.8%	3	0	0
UL6	2037	2037	99.9%	3	0	0
UL12	1863	1863	99.8%	3	0	0
UL8	2259	2259	99.8%	5	0	0
UL23	1131	1131	99.9%	1	0	0
UL9	2616	2616	99.9%	3	0	0
UL5	2646	2646	99.9%	2	0	0
UL31	918	918	99.8%	2	0	0
UL25	1758	1758	99.9%	1	0	0
UL34	831	831	99.9%	1	0	0
UL26.5	990	990	99.6%	4	0	0
UL22	2517	2517	99.9%	2	0	0
UL40	1014	1014	99.9%	1	0	0
UL32	1791	1791	99.8%	3	0	0
UL38	1401	1401	99.8%	3	0	0
UL41	1479	1479	99.7%	4	0	0
UL42	1413	1413	99.7%	4	0	0
UL43	1245	1245	81.0%	14	4	4
UL19	4125	4125	100.0%	2	0	0
UL44	1443	1443	99.9%	2	0	0
UL50	1110	1110	99.9%	1	0	0
UL48	1473	1473	99.7%	4	0	0
UL53	1017	1017	99.7%	3	0	0
US5	279	279	99.6%	1	0	0
UL56	708	708	99.9%	1	0	0
UL30	3723	3723	100.0%	1	0	0
UL47	2091	2091	99.7%	6	0	0
US1	1245	1245	99.4%	7	0	0
UL37	3345	3345	99.9%	3	0	0
US9	270	270	99.3%	2	0	0
US6	1182	1182	99.7%	3	0	0
US3	1446	1446	99.9%	2	0	0
US7	1119	1119	99.6%	4	0	0
US4	2097	2097	99.5%	10	0	0
US8	1647	1647	99.8%	3	0	0