

Supplementary Table 1: Average coverage of whole genome and of genes in non-repetitive regions for each sample.

	Samples									Segment Size (BP)
	Brother	Sample 1	Sample 2	Sample 3	Sample 4	Sample 6	Sample 8	Sample 9	Sample 11	
Whole Genome	114.6	86.8	156.4	790.7	119.6	892.7	248.3	206.6	550.3	
UL1	133.4	76.8	167.4	764.4	125.8	881.3	234.4	202.9	536.1	675
UL2	139.1	98.9	209	1017.4	167.4	1067.8	306.7	258.9	633.3	1005
UL3	152.5	101.5	204.5	887.2	169	1058.4	247.6	240.8	636.9	675
UL4	134.5	100.6	190.1	893.8	154.5	1100.7	299.7	249.9	658	600
UL5	142.5	121.5	207.2	1033	166.9	1165.8	311.6	273.4	708.1	2649
UL6	112.7	106.3	192.3	947.7	138.2	1044.1	287	261	668.3	2031
UL7	113.9	107	189.1	969	149.4	1099.6	274.9	275.6	617.6	891
UL8	115.3	89.3	180.5	841.6	116.4	908.9	251.1	224.3	583.7	2253
UL9	173.3	105.3	204.4	994.9	167.4	1114.6	287.4	258.2	701	2556
UL10	123.9	103.8	195.2	930.9	126.9	1067.9	272.1	252.3	640.4	1422
UL11	100.2	103.3	147	884.8	170.3	966.7	259.5	225.9	612.4	291
UL12	101.1	92.2	158	804.8	130.7	910	247	226	565.1	1881
UL13	148.8	105.8	186.1	910.2	136.4	1013	287.5	244.4	627.5	1557
UL14	121.5	106.4	176.6	934.1	131.2	1036.1	268.3	260.2	630.6	660
UL15, Segment 1	145.5	113.7	220.1	933	139.1	1074.2	280.4	246.4	709.7	1029
UL15, Segment 2	155.7	85.5	174.6	856.3	140.4	961.1	249.9	211.8	581.1	1179
UL16	137.3	80	167.2	827.6	128.8	936.6	247.7	202.1	533.1	1122
UL17	123.2	88.7	176.7	873.1	116.2	1002.9	254	235.9	591.6	2112
UL18	138	102.2	168.6	847.7	136.1	968.2	258.8	252.7	641.4	957
UL19	132.5	110	167.9	903.8	128.8	997.6	265.5	233.4	635.6	4125
UL20	129.9	94.6	173.5	937.1	136	1049.9	278.1	233.2	668.1	669
UL21	124.9	91.5	157.6	830.9	125.7	955.9	263.2	215.9	634	1608
UL22	133.7	101.1	171	872.4	132.5	952.3	266.6	238.1	571.8	2517
UL23	131.6	93.7	165.5	845.8	136	1000.4	248	211	581	1131
UL24	106.8	103.8	161.8	884.2	133.1	1007.6	258.5	188.3	599.5	810
UL25	126.3	91.2	168.5	872	120.9	987.8	261	259.6	607.3	1743
UL26	91.2	86.1	148.1	772.4	105.7	839.9	224.3	214.7	532.2	1908
UL27	131.5	97.9	176.3	872.6	127.9	1022.1	279	230.2	641.2	2715
UL28	105.6	95.4	164	783.3	111.5	868.4	246.5	226.5	582	2358
UL29	135.1	98.3	178.3	910.3	124.3	992.9	386.8	255.3	635.2	3591
UL30	131.4	100.5	168.8	901.1	136.5	1053.4	315.8	247.9	649.6	3708
UL31	121.2	100.7	168.3	954.9	150.3	1061.2	274.7	266	690.7	921
UL32	128.9	96.3	178.8	866.5	116.4	997.8	267.6	231.4	626.5	1791
UL33	105.8	97.1	183.9	840.3	115.7	993.4	263.6	222.3	574.1	393
UL34	89.3	87.9	161.8	772.8	113.7	980	270.5	206.1	596.7	828
UL35	134	118.3	194.1	904	120.8	1034	303.8	255.3	683.2	339
UL36	111.7	84	141.4	681.4	101.4	818.2	209.1	194.4	511.6	9420
UL37	148	104.9	174.6	804.2	120.9	966	252	223.1	617	3372
UL38	123	96.3	163.3	740.1	109.8	916.9	239.1	201.5	584.8	1398
UL39	144.8	102.6	180.9	824.7	134.5	1042.9	262.3	236	616.6	3414
UL40	94.7	100.1	167.3	858.1	161.2	1026.5	252.8	249.5	660.4	1023
UL41	122.1	90.3	149.7	806.6	141.5	997.4	253.3	207.6	593.8	1470
UL42	124.8	99.6	172.4	828.5	124.7	1008.4	260.2	252.5	637	1467
UL43	101.7	86.4	151.6	706.6	98.1	836.3	220.9	203.1	525.2	1254
UL44	132.1	85	148.4	731.8	116.6	846.9	207.5	183.4	498.7	1536
UL45	183	111.4	173.8	771.8	142	961.1	273.3	208.2	615	519
UL46	137.6	97.2	162.5	758.8	115.2	907.9	236.2	216.7	546.5	2157
UL47	109.3	100.8	165.2	730.6	104.2	901.4	222.6	200.4	533.3	2082
UL48	131.9	88.5	169	762.7	139.7	994.3	247	208.4	595.5	1473
UL49	135.1	91.5	161.2	734.7	123.9	931.8	234.3	234.1	578.8	906
UL49A	74.9	95.4	173.8	750.3	145.9	1037.8	236.5	211.7	562.9	276
UL50	96.9	93.4	166.9	824.7	137.4	1002.2	272.8	225.4	599.8	1116
UL51	155.5	89.2	186.1	823.6	135.1	994	262.8	185.4	596.8	735
UL52	115.1	99.6	176.1	840.8	133.2	1037.2	273.9	240.9	606.6	3177
UL53	166.9	93.1	179	930.1	150.4	1149.5	292	232.9	622.3	1017
UL54	108.5	83.9	164.9	757.4	128.2	922.9	229.9	208.4	587.3	1539
UL55	116.5	100.4	161.6	837.1	157.2	1001.2	247.7	212.3	603.1	561
UL56	125.4	95.2	194.8	767.6	142.8	928.1	248.2	204.3	588.1	705
US1	163	103.1	190.5	974	155.9	977.9	322.3	258.3	609.2	1263
US2	135.4	86.4	188.2	893.7	142.8	981.3	323.8	240.9	592.1	876
US3	126.4	96.2	208	954.1	160.7	1071	323.4	241.6	582.9	1446
US4	93.5	59.9	121.7	649.6	103.8	722.7	195.4	142.2	411.7	717
US5	110.9	90.1	147.8	808.3	111	872.7	237.8	196.2	380.9	279
US6	146.4	87.9	187	940	134.3	1006.7	285.5	228.8	582.9	1185
US7	85.8	60.3	143.3	667.8	112.7	734.5	204.6	170	426.7	1173
US8	110.9	79.2	179.6	831.6	126.8	908.3	325.8	224.4	537.7	1653
US8A	122	81.6	198.1	788.6	138.5	834.9	407.3	216.1	554	480
US9	99.5	67.5	171	816.4	171.3	892.6	450.6	208.7	538.4	273
US10	148.9	117.2	228	1055.1	130.8	1030.6	490	265.2	714.3	939
US11	156.5	130.6	221.9	1065	134	1009.1	462.4	262.6	693.6	486
US12	106.9	124.6	203.6	1055.2	150.3	1035.2	483.4	289.4	711.9	267