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Title	Interregional Coevolution Analysis Revealing Functional and Structural Interrelatedness between Different Genomic Regions in Human Mastadenovirus D
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Supplementary Table 1. Recombination events between *HAdV-D* genomes detected and statistically supported (p -value < 0.001) by at least three recombination detection methods in RDP 4

Recombinant	Number	In_RDP File	Breakpoint Positions										RDP	GENECON	Bootscan	Detection Methods						
			In Alignment		Recombinant Sequence to HAdV23_(JN2_)		Recombinant Sequence(s)		Minor Parental Sequence(s)		Major Parental Sequence(s)					Maxchi	Chimarea	SiScan	PhyPro	LARI	3Seq	
1	1		1011*	29384	1011*	29384	1011*	29384	HAdV22_37_8 (AB605242) HAdVGT53 (AB605243)[P]	HAdV22_37 (AB605240)	Unknown (HAdV37 (AB448776)) Unknown (HAdVGT64 (EF121005))	3.9E-151	1.4E-126	1.1E-150	1.1E-54	8.2E-51	3.9E-89	NS	NS	NS	4.7E-315	
2	2	23606	33407	23606	33407	23606	33407	HAdVGT63 (JN935766)	HAdV29 (AB562587) HAdV15 (AB562586) HAdVGT58 (HQ883276)	HAdV30 (JN226755)		8.4E-212	2.2E-167	4.8E-223	7.2E-68	1.4E-67	NS	NS	NS	1.4E-296		
3	3	26368*	30719	26368*	30719	26368*	30719	HAdVGT59 (JF799911)	HAdVGT56 (AB562588) HAdV9 (AJ854486)	Unknown (HAdV10 (AB724351)) Unknown (HAdVGT64 (EF121005)) Unknown (HAdV37 (AB448776))		7.1E-162	9.1E-166	8.7E-174	5.0E-57	4.3E-57	1.2E-68	NS	NS	NS	2.3E-236	
4	4	25750	29199	25750	29199	25750	29199	HAdVGT60 (HQ007053)	HAdV15 (AB562586)	Unknown (HAdV48 (EF153473)) Unknown (HAdV47 (JN226757)) Unknown (HAdV44 (JN226763))		3.5E-153	1.6E-160	2.2E-201	5.7E-49	3.3E-38	5.5E-68	NS	NS	NS	1.1E-34	
5	5	25711*	28208	25711*	28208	25711*	28208	HAdV49 (DQ393829) HAdV30 (JN226755)[P] HAdV32 (JN226756)[P]	HAdV38 (JN226759) HAdV45 (JN226764)	Unknown (HAdV26 (EF153474)) Unknown (HAdV23 (JN226750)) Unknown (HAdV47 (JN226757)) Unknown (HAdVGT67 (AP012302)) Unknown (HAdVGT56 (AB562588)) Unknown (HAdV10 (AB724351)) Unknown (HAdV44 (JN226763))		2.6E-153	1.6E-150	6.0E-192	2.4E-48	2.4E-38	1.0E-70	NS	NS	NS	2.7E-34	
6	6	28209*	33268	28209*	33268	28209*	33268	HAdV19 (AB448771) HAdVGT59 (JF799911)[P]	HAdVGT64 (EF121005) HAdV37 (AB448776)	HAdV49 (DQ393829) HAdV29 (AB562587)		3.1E-20	1.5E-66	8.6E-71	3.4E-09	2.7E-09	7.6E-48	NS	NS	NS	6.0E-198	
7	7	25616	28157*	25616	28157*	25616	28157*	HAdV33 (JN226758)	HAdV43 (JN226762) HAdV39 (JN226760) HAdV38 (JN226759)	Unknown (HAdV25 (JN226752)) Unknown (HAdV17 (HQ910407)) Unknown (HAdVGT56 (AB562588)) Unknown (HAdV10 (AB724351))		8.4E-153	3.6E-142	4.9E-184	1.1E-21	7.1E-34	2.4E-66	NS	NS	NS	1.4E-14	
8	8	26393	30666*	26393	30666*	26393	30666*	HAdVGT56 (AB562588) HAdV9 (AJ854486)	HAdVGT65 (AP012285)	HAdV10 (AB724351) HAdVGT64 (EF121005) HAdV37 (AB448776)		1.0E-83	3.4E-99	3.1E-70	2.5E-43	1.8E-51	5.2E-34	NS	NS	NS	5.1E-184	
9	9	25842	28209	25842	28209	25842	28209	HAdV42 (JN226761) HAdVGT53 (AB605243) HAdV22_37 (AB605240) HAdV22 (FJ619037)[P] HAdV22_37_8 (AB605242) HAdV17 (HQ910407)[P] HAdV29 (AB562587) HAdV20 (JN226749)[P]	HAdV25 (JN226752)	Unknown (HAdV26 (EF153474)) Unknown (HAdV47 (JN226757)) Unknown (HAdV15 (AB562586)) Unknown (HAdVGT67 (AP012302)) Unknown (HAdV10 (AB724351))		3.1E-155	2.4E-153	1.1E-165	4.4E-48	3.1E-33	9.1E-67	NS	NS	NS	2.1E-74	
10	10	10*	25615*	10*	25615*	10*	25615*	HAdV10 (AB724351) HAdVGT56 (AB562588)[P] HAdV26 (EF153474) HAdV27 (JN226753)	HAdV29 (AB562587)	Unknown (HAdV33 (JN226758)) Unknown (HAdV30 (JN226755))		7.1E-61	2.9E-61	2.0E-71	4.1E-11	3.4E-16	2.0E-39	NS	NS	NS	1.0E-162	
11	11	28209*	33199	28209*	33199	28209*	33199	HAdVGT67 (AP012302)	HAdV25 (JN226752)	HAdV49 (DQ393829)		1.1E-61	4.8E-75	2.0E-17	4.6E-08	1.4E-18	2.5E-42	NS	NS	NS	3.6E-158	
12	12	28210*	33612*	28210*	33612*	28210*	33612*	HAdV29 (AB562587)	HAdVGT58 (HQ883276) HAdV25 (JN226752)	HAdV30 (JN226755)		1.6E-72	NS	NS	1.3E-12	3.3E-09	NS	NS	NS	1.1E-155		
13	13	25487	33369	25487	33369	25487	33369	HAdV46 (AY875648)	HAdV24 (JN226751)	HAdV51 (JN226765) HAdV47 (JN226757) HAdV30 (JN226755) HAdV45 (JN226764) HAdV36 (GQ384080) HAdV48 (EF153473)		1.3E-121	9.4E-113	1.5E-145	4.3E-39	3.4E-38	1.7E-94	NS	NS	NS	NS	
14	14	27041	31089*	27041	31089*	27041	31089*	HAdV44 (JN226763)	HAdV48 (EF153473)	HAdV45 (JN226764) HAdV36 (GQ384080) HAdV38 (JN226759)		2.8E-70	1.3E-99	6.9E-138	9.7E-46	1.8E-40	4.2E-75	NS	NS	NS	NS	
15	15	29744	30962	29744	30962	29744	30962	HAdV38 (JN226759)	HAdV13 (JN226747)	Unknown (HAdV43 (JN226762))		5.2E-117	3.7E-129	2.4E-137	2.5E-37	9.4E-37	1.0E-50	NS	NS	NS	9.9E-27	
16	16	1023	27040*	1023	27040*	1023	27040*	HAdV48 (EF153473)	HAdV44 (JN226763)	Unknown (HAdV51 (JN226765))		2.4E-15	NS	NS	1.5E-06	3.1E-06	NS	NS	NS	NS	1.6E-129	
17	17	28209*	32987	28209*	32987	28209*	32987	HAdV49 (DQ393829)	HAdV30 (JN226755) HAdV36 (GQ384080) HAdV13 (JN226747)	HAdVGT58 (HQ883276)		1.4E-66	7.7E-67	8.7E-76	3.8E-27	5.3E-23	2.9E-47	NS	NS	NS	3.1E-122	
18	18	25762	27675	25762	27675	25762	27675	HAdV19 (AB448771) HAdVGT65 (AP012285) HAdV51 (JN226765)[P]	HAdVGT54 (AB448770) HAdV8 (AB448767)	HAdV39 (JN226760) HAdVGT58 (HQ883276) HAdVGT62 (JN162671)		3.9E-109	6.6E-121	2.7E-74	1.8E-38	1.0E-28	2.8E-44	NS	NS	NS	1.6E-102	
19	19	29385*	30684	29385*	30684	29385*	30684	HAdVGT53 (AB605243) HAdV22_37_8 (AB605242) HAdV8 (AB448767) HAdVGT54 (AB448770)	HAdVGT65 (AP012285)	HAdV51 (JN226765) HAdV23 (JN226750) HAdV47 (JN226757) HAdV32 (JN226756) HAdV45 (JN226764) HAdV36 (GQ384080) HAdV13 (JN226747)		5.1E-84	2.7E-94	1.7E-93	4.1E-27	1.4E-27	6.2E-39	NS	NS	NS	8.1E-128	
20	20	26118	30715	26118	30715	26118	30715	HAdVGT58 (HQ883276) HAdV39 (JN226750)[P] HAdVGT63 (JN935766)[P] HAdV43 (JN226762)	HAdV25 (JN226752) HAdV45 (JN226764)	Unknown (HAdV26 (EF153474))		5.9E-41	1.0E-66	1.9E-33	3.9E-27	5.6E-18	5.6E-52	NS	NS	NS	3.2E-114	
21	21	29671	31536	29671	31536	29671	31536	HAdV32 (JN226756)	HAdV33 (JN226758)	HAdV15 (AB562586)		1.5E-99	5.2E-96	2.0E-112	4.7E-30	4.2E-22	1.3E-48	NS	NS	NS	NS	
22	22	12956*	20809	12956*	20809	12956*	20809	HAdV37 (AB448776) HAdVGT53 (AB605243)	HAdV13 (JN226747)	HAdVGT64 (EF121005)		2.0E-83	NS	NS	1.7E-41	1.1E-32	NS	NS	NS	NS	7.1E-104	
23	23	36*	5549	36*	5549	36*	5549	HAdV30 (JN226755) HAdVGT63 (JN935766)	HAdV33 (JN226758)	HAdV45 (JN226764)		1.0E-82	2.3E-87	4.8E-103	1.6E-28	1.8E-24	4.7E-48	NS	NS	NS	1.1E-17	
24	24	29541	33552*	29541	33552*	29541	33552*	HAdVGT64 (EF121005) HAdV37 (AB448776)	HAdV22_37 (AB605240) HAdV37 (AB448776)	HAdV22 (FJ619037) HAdV20 (JN226749)		1.5E-92	5.1E-90	3.6E-101	2.2E-32	3.6E-29	1.8E-53	NS	NS	NS	NS	
25	25	27041*	27793	27041*	27793	27041*	27793	HAdV48 (EF153473) HAdV44 (JN226763)[P]	HAdVGT62 (JN162671)	Unknown (HAdV23 (JN226750))		3.7E-39	3.8E-51	2.2E-54	3.2E-23	7.0E-19	5.5E-40	NS	NS	NS	4.4E-96	
26	26	26712	28418	26712	28418	26712	28418	HAdV38 (JN226759) HAdV49 (DQ393829)[P]	HAdV45 (JN226764)	Unknown (HAdV28 (FJ824826)) Unknown (HAdVGT62 (JN162671)) Unknown (HAdV27 (JN226753))		3.1E-75	6.1E-81	3.2E-91	6.7E-38	3.6E-33	4.3E-58	NS	NS	NS	1.8E-75	
27	27	26611	29373	26611	29373	26611	29373	HAdV43 (JN226762) HAdV33 (JN226758)[P]	HAdV13 (JN226747)	HAdV28 (FJ824826)		3.1E-55	7.5E-50	3.9E-35	4.1E-35	1.1E-13	1.9E-40	NS	NS	NS	5.0E-89	
28	28	26805	28021	26805	28021	26805	28021	HAdV32 (JN226756) HAdV30 (JN226755)	HAdV45 (JN226764)	HAdV27 (JN226753) HAdV28 (FJ824826)		2.1E-29	4.5E-25	3.2E-22	2.0E-24	5.4E-22	NS	NS	NS	NS	6.4E-86	
29	29	17586	18649	17586	18649	17586	18649	HAdVGT65 (AP012285)	HAdV10 (AB724351)	Unknown (HAdV9 (AJ854486))		1.5E-85	2.0E-84	1.5E-74	5.1E-29	7.3E-29	NS	NS	NS	NS	2.3E-77	
30	30	17699	19468	17699	19468	17699	19468	HAdVGT56 (AB562588)	HAdV15 (AB562586)	HAdV10 (AB724351)		9.7E-63	6.4E-82	1.9E-70	5.4E-27	4.7E-27	5.2E-29	NS	NS	NS	5.2E-85	
31	31	17565*	18645	17565*	18645	17565*	18645	HAdV9 (AJ854486)	HAdVGT67 (AP012302)	HAdV10 (AB724351)		9.6E-79	2.5E-76	6.7E-80	5.5E-27	3.8E-27	NS	NS	NS	NS	2.3E-67	
32	32	31651	33569*	31651	33569*	31651	33569*	HAdV36 (GQ384080) HAdVGT62 (JN162671)	Unknown (HAdV26 (EF153474)) Unknown (HAdV23 (JN226750))	HAdV25 (JN226752) HAdV23 (JN226750)		6.9E-46	1.7E-66	3.7E-78	1.4E-19	6.5E-13	7.1E-37	NS	NS	NS	NS	
33	33	17285	18600	17285	18600	17285	18600	HAdV22 (FJ619037)	HAdV22_37 (AB605240) HAdV22_37_8 (AB605242)	Unknown (HAdV20 (JN226749))		2.4E-58	7.1E-74	3.4E-74	1.2E-22	9.9E-22	1.5E-31	NS	NS	NS	3.1E-19	
34	34	28210*	30686	28210*	30686	28210*	30686	HAdV42 (JN226761)	HAdV22 (FJ619037)	Unknown (HAdV20 (JN226749))		4.8E-07	6.1E-12	1.1E-16	NS	1.4E-10	1.1E-09	NS	NS	NS	1.9E-102	
35	35	29927	30723	29927	30723	29927	30723	HAdV47 (JN226757)	HAdV20 (JN226749)	HAdV22 (FJ619037)		6.7E-78	1.0E-71	1.7E-71	2.0E-25	1.3E-17	1.3E-31	NS	NS	NS	4.4E-50	
36	36	31493	33567*	31493	33567*	31493	33567*	HAdV26 (EF153474) HAdV23 (JN226750)[P]	HAdV25 (JN226752)	Unknown (HAdV10 (AB724351)) Unknown (HAdVGT56 (AB562588)) Unknown (HAdV9 (AJ854486)) Unknown (HAdVGT60 (HQ007053))		7.4E-71	4.3E-68	1.9E-72	3.5E-22	7.8E-14	5.1E-27	NS	NS	NS	2.1E-13	
37	37	26314	27802	26314	27802	26314	27802	HAdV24 (JN226751) HAdV46 (AY875648)	HAdV10 (AB724351)	Unknown (HAdV23 (JN226750))		1.0E-60	8.6E-69	7.5E-90	6.7E-33	4.0E-25	5.8E-49	NS	NS	NS	4.8E-20	
38	38	30685*	32325	30685*	32325	30685*	32325	HAdV19 (AB448771) HAdVGT65 (AP012285)[P] HAdV15 (AB562586)[P] HAdV17 (HQ910407)[P] HAdV46 (AY875648)	HAdV27 (JN226753) HAdV29 (AB562587) HAdV28 (FJ824826) HAdV48 (EF153473)	HAdVGT54 (AB448770) HAdV8 (AB448767)		1.9E-17	3.7E-38	1.5E-32	1.8E-12	6.1E-10	5.9E-34	NS	NS	NS	2.2E-72	

[illegible]

[illegible]

133	144	31651*	32224	31651*	32224	31651*	32224	HAdVGT62 (JN162671)	HAdV30 (JN226755)	HAdV51 (JN226765) HAdV23 (JN226750) HAdV47 (JN226757) HAdVGT67 (AP012302) HAdV25 (JN226752) HAdV26 (EF153474) HAdV44 (JN226763) HAdV38 (JN226759)	4.1E-10	2.6E-07	2.3E-05	NS	5.2E-11	NS	NS	NS	4.5E-17
133																			
133																			
133																			
133																			
133																			
133																			
134	145	32326*	33612*	32326*	33612*	32326*	33612*	HAdV15 (AB562586)	HAdV29 (AB562587)	HAdV17 (HQ910407)	7.0E-17	4.2E-16	NS	3.3E-09	NS	1.1E-14	NS	NS	
135	146	17699*	18709	17699*	18709	17699*	18709	HAdVGT67 (AP012302)	HAdV32 (JN226756)	Unknown (HAdV10 (AB724351)) Unknown (HAdV28 (FJ824826))	2.7E-10	3.8E-09	1.2E-09	NS	NS	NS	NS	7.7E-17	
136	147	13765	14317	13765	14317	13765	14317	HAdV38 (JN226759)	Unknown (HAdV29 (AB562587)) Unknown (HAdV43 (JN226762))	HAdV15 (AB562586) HAdV46 (AY875648) HAdV36 (GQ384080) HAdV43 (JN226762)	2.4E-06	9.5E-17	8.2E-20	9.9E-10	4.8E-06	1.1E-14	NS	NS	
137	148	13991	14298	13991	14298	13991	14298	HAdV48 (EF153473) HAdVGT62 (JN162671)	Unknown (HAdV15 (AB562586)) Unknown (HAdV46 (AY875648)) Unknown (HAdV36 (GQ384080)) Unknown (HAdV43 (JN226762))	HAdV29 (AB562587) HAdV36 (GQ384080) HAdV43 (JN226762)	NS	4.3E-14	1.3E-16	1.8E-05	5.9E-04	1.4E-10	NS	NS	
137																			
137																			
138	149	27845	28080	27845	28080	27845	28080	HAdV47 (JN226757) HAdV46 (AY875648) HAdV24 (JN226751)	Unknown (HAdV51 (JN226765)) Unknown (HAdVGT56 (AB562588)) Unknown (HAdVGT59 (JF799911)) Unknown (HAdV27 (JN226753)) Unknown (HAdV9 (AB54486))	HAdV8 (AB448767)	4.1E-04	1.0E-08	9.0E-04	1.8E-10	5.1E-12	1.1E-12	NS	NS	
138																			
138																			
138																			
138																			
139	150	27578	27794*	27578	27794*	27578	27794*	HAdV47 (JN226757)	HAdV39 (JN226760) HAdVGT62 (JN162671)	HAdV26 (EF153474) HAdVGT67 (AP012302)	2.5E-17	2.2E-12	NS	1.1E-06	NS	5.4E-05	NS	1.1E-10	
139																			
140	151	26118*	26536*	26118*	26536*	26118*	26536*	HAdV27 (JN226753)	HAdV43 (JN226762) HAdV28 (FJ824826)	HAdV26 (EF153474)	1.3E-16	2.1E-14	6.7E-16	NS	NS	5.0E-13	NS	NS	
141	152	26296	26500*	26296	26500*	26296	26500*	HAdV51 (JN226765)	HAdV32 (JN226756) HAdV49 (DQ393829) HAdV33 (JN226758)	HAdV19 (AB448771)	NS	3.1E-10	4.3E-11	1.2E-04	NS	NS	NS	3.1E-15	
141																			
142	153	14085	14532	14085	14532	14085	14532	HAdV15 (AB562586) HAdV29 (AB562587) HAdV46 (AY875648) HAdV43 (JN226762)	HAdV36 (GQ384080)	HAdV22 37 (AB605240) HAdV22 37 8 (AB605242) HAdV20 (JN226749)	NS	3.6E-12	3.4E-15	1.7E-07	1.5E-06	5.8E-15	NS	NS	
142																			
143	154	25842*	26484*	25842*	26484*	25842*	26484*	HAdV17 (HQ910407) HAdV29 (AB562587) HAdV20 (JN226749)	HAdV22 37 (AB605240) HAdV22 (FJ619037) HAdV25 (JN226752) HAdV42 (JN226761)	HAdV26 (EF153474) HAdVGT67 (AP012302) HAdV10 (AB724351) HAdVGT60 (HQ007053)	6.3E-06	8.0E-06	1.1E-08	5.3E-06	6.8E-06	NS	NS	NS	
143																			
143																			
144	155	21260	22576	21260	22576	21260	22576	HAdV42 (JN226761) HAdV17 (HQ910407) HAdV36 (GQ384080)[T]	HAdVGT64 (EF121005) HAdV37 (AB448776)	Unknown (HAdVGT67 (AP012302)) Unknown (HAdV23 (JN226758)) Unknown (HAdV22 37 (AB605240)) Unknown (HAdV22 37 8 (AB605242))	7.4E-09	3.2E-13	1.5E-14	5.5E-06	1.2E-05	1.5E-11	NS	NS	
144																			
145	156	101*	3353	101*	3353	101*	3353	HAdVGT64 (EF121005) HAdV37 (AB448776)	HAdV42 (JN226761) HAdV46 (AY875648)	HAdVGT58 (HQ883276)	3.7E-17	2.3E-11	1.2E-11	3.4E-10	8.9E-10	4.8E-17	NS	NS	
145																			
146	157	3354*	11809	3354*	11809	3354*	11809	HAdV17 (HQ910407)	HAdV19 (AB448771)	HAdV37 (AB448776)	NS	5.7E-06	2.7E-05	8.6E-07	3.2E-06	1.3E-09	NS	NS	
147	158	26817	28036	26817	28036	26817	28036	HAdV22 (FJ619037)	HAdVGT58 (HQ883276) HAdV29 (AB562587) HAdV20 (JN226749)	HAdV13 (JN226747) HAdV33 (JN226758) HAdVGT62 (JN162671)	1.6E-06	NS	NS	5.6E-04	4.0E-04	NS	NS	NS	
147																			
148	160	1493*	3013	1493*	3013	1493*	3013	HAdVGT62 (JN162671)	Unknown (HAdV36 (GQ384080)) Unknown (HAdV49 (DQ393829)) Unknown (HAdV33 (JN226758))	HAdV28 (FJ824826) HAdV49 (DQ393829) HAdV46 (AY875648) HAdV44 (JN226763) HAdV42 (JN226761)	NS	7.1E-19	1.0E-21	3.7E-09	4.1E-05	2.8E-21	NS	NS	
148																			
148																			
148																			
149	161	28274*	28916	28274*	28916	28274*	28916	HAdV15 (AB562586)	HAdV49 (DQ393829) HAdVGT53 (AB605243)	HAdV23 (JN226750)	1.8E-07	5.6E-13	1.6E-14	2.0E-07	1.3E-06	NS	NS	NS	
149																			
150	162	32438*	33179*	32438*	33179*	32438*	33179*	HAdV46 (AY875648) HAdV20 (JN226749)	HAdV19 (AB448771) HAdV20 (JN226749)	HAdVGT67 (AP012302)	1.6E-12	5.2E-14	NS	1.6E-04	6.4E-04	9.7E-12	NS	NS	
150																			
151	163	25844	26367*	25844	26367*	25844	26367*	HAdVGT67 (AP012302)	Unknown (HAdVGT59 (JF799911))	HAdV25 (JN226752)	2.4E-12	7.0E-13	5.3E-14	1.5E-11	1.4E-09	5.6E-21	NS	NS	
152	164	27852	28080	27852	28080	27852	28080	HAdV51 (JN226765)	HAdV8 (AB448767) HAdVGT54 (AB448770)	Unknown (HAdVGT60 (HQ007053)) Unknown (HAdV19 (AB448771)) Unknown (HAdV36 (GQ384080)) Unknown (HAdV10 (AB724351))	NS	9.0E-05	NS	3.4E-09	1.7E-10	NS	NS	NS	
152																			
152																			
153	165	11031	12676*	11031	12676*	11031	12676*	HAdVGT64 (EF121005)	HAdV22 37 8 (AB605242) HAdV22 37 (AB605240)	HAdV37 (AB448776)	5.2E-09	6.0E-08	1.5E-08	4.1E-06	5.2E-07	NS	NS	NS	
153																			
154	171	5919	9121	5919	9121	5919	9121	HAdV22 (FJ619037)	HAdV24 (JN226751)	HAdV48 (EF153473) HAdV33 (JN226758) HAdV25 (JN226752) HAdV10 (AB724351) HAdVGT58 (HQ883276) HAdVGT59 (JF799911) HAdV27 (JN226753) HAdV43 (JN226762) HAdV44 (JN226763)	1.2E-12	1.1E-11	3.1E-05	2.3E-06	2.1E-04	7.9E-09	NS	NS	
154																			
154																			
154																			
154																			
154																			
155	172	26368	26763*	26368	26763*	26368	26763*	HAdVGT60 (HQ007053) HAdV15 (AB562586)[T]	HAdV19 (AB448771)	HAdV37 (AB448776) HAdVGT64 (EF121005) HAdV10 (AB724351)	1.2E-09	4.3E-05	1.4E-06	1.4E-04	7.4E-05	NS	NS	NS	
155																			
155																			
156	174	28317	29381*	28317	29381*	28317	29381*	HAdVGT54 (AB448770)	Unknown (HAdV13 (JN226747)) Unknown (HAdVGT62 (JN162671)) Unknown (HAdV27 (JN226753))	HAdVGT58 (HQ883276)	NS	1.3E-08	1.9E-12	1.7E-07	1.0E-05	1.4E-10	NS	NS	
156																			
156																			
157	175	28159*	28352	28159*	28352	28159*	28352	HAdVGT62 (JN162671)	Unknown (HAdV26 (EF153474)) Unknown (HAdV23 (JN226750)) Unknown (HAdV46 (AY875648)) Unknown (HAdV24 (JN226751))	HAdV51 (JN226765) HAdV46 (AY875648)	5.0E-06	1.7E-10	2.0E-12	NS	NS	5.5E-09	NS	NS	
157																			
157																			
157																			
158	178	832	1114	832	1114	832	1114	HAdVGT67 (AP012302) HAdV47 (JN226757) HAdV45 (JN226764) HAdV9 (AB54486) HAdV44 (JN226763)	Unknown (HAdVGT60 (HQ007053)) Unknown (HAdVGT65 (AP012285)) Unknown (HAdV33 (JN226758)) Unknown (HAdV30 (JN226753)) Unknown (HAdV17 (HQ910407)) Unknown (HAdV25 (JN226752)) Unknown (HAdVGT63 (JN935766))	HAdVGT62 (JN162671) HAdV46 (AY875648)	2.4E-05	6.5E-06	NS	1.5E-06	4.3E-08	NS	NS	NS	
158																			
158																			
158																			
158																			
158																			
159	181	28913*	30907*	28913*	30907*	28913*	30907*	HAdVGT62 (JN162671)	HAdV28 (FJ824826)	HAdV13 (JN226747)	4.1E-05	3.2E-09	NS	NS	NS	7.1E-17	NS	NS	
159																			
160	182	28272	28977	28272	28977	28272	28977	HAdVGT58 (HQ883276)	HAdV49 (DQ393829) HAdV30 (JN226755) HAdVGT53 (AB605243) HAdV22 37 (AB605240) HAdV22 37 8 (AB605242)	Unknown (HAdV23 (JN226750)) Unknown (HAdV46 (AY875648))	1.1E-05	NS	1.3E-04	NS	9.1E-04	1.1E-11	NS	NS	
160																			
160																			
160																			
161	184	32415*	32959*	32415*	32959*	32415*	32959*	HAdV32 (JN226756)	HAdVGT67 (AP012302) HAdV33 (JN226758) HAdV38 (JN226759)	HAdV49 (DQ393829)	2.4E-07	NS	NS	1.3E-07	7.9E-04	NS	NS	NS	
161																			
161																			
162	186	16061*	17365	16061*	17365	16061*	17365	HAdV19 (AB448771)	HAdV17 (HQ910407)	HAdV10 (AB724351) HAdV49 (DQ393829) HAdV46 (AY875648) 									

* = The actual breakpoint position is undetermined (it was most likely overprinted by a subsequent recombination event).
 Minor Parent = Parent contributing the smaller fraction of sequence.
 Major Parent = Parent contributing the larger fraction of sequence.
 Unknown = Only one parent and a recombinant need be in the alignment for a recombination event to be detectable.
 The sequence listed as unknown was used to infer the existence of a missing parental sequence.
 NS = No significant P-value was recorded for this recombination event using this method.