RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

Includes:

- Run-type summary

- Boxplots: K, p-values, 2H/3H

- Full omega/SRV/multihit tables (column-paged)
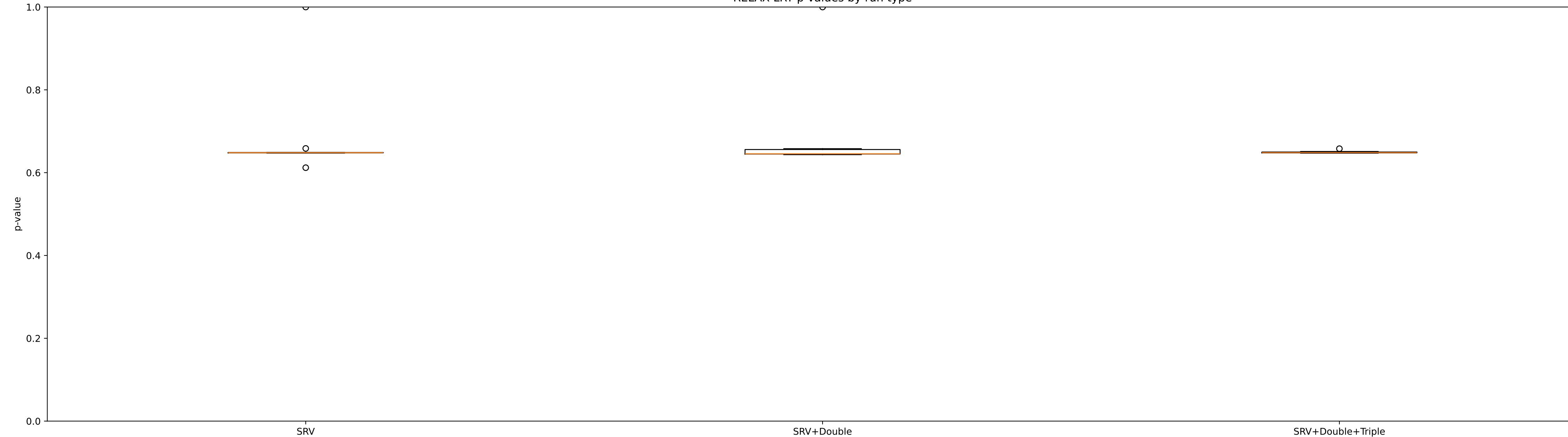
Run-type summary statistics

p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_median	omega_test_median	warnings_count	2H_reference_median	2H_test_median
0.6482	0.612	1.0	0.87	0.84	0.87	0.237	0.2636	10	nan	nan
0.6457	0.6435	1.0	0.87	0.87	0.87	0.237	0.2634	10	0.0581	0.0
0.6484	0.6471	0.6579	0.87	0.87	0.87	0.237	0.2638	10	0.0571	0.0
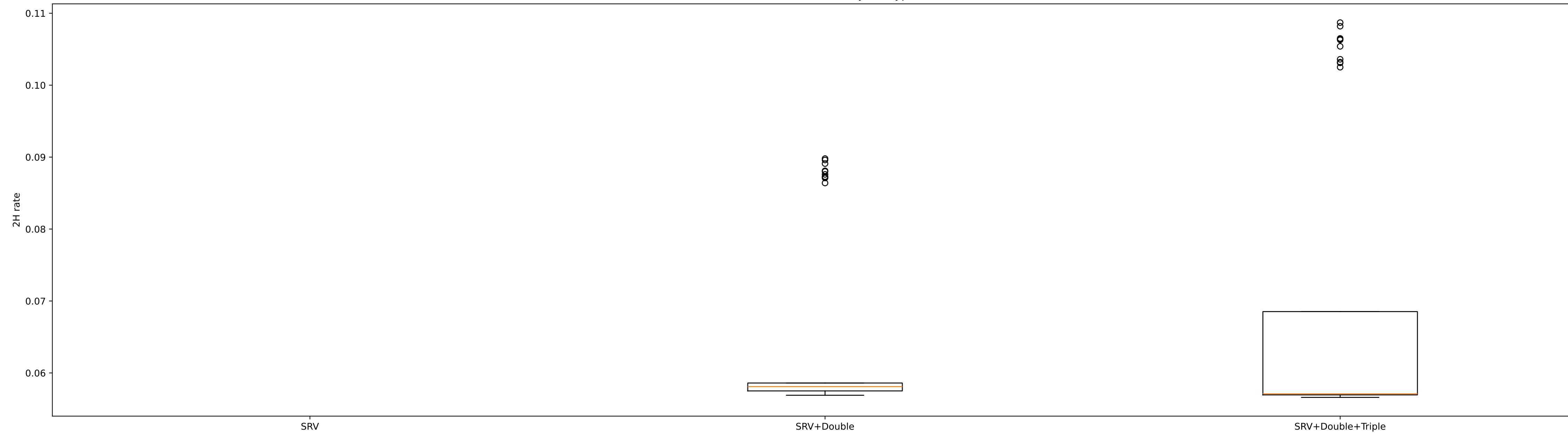
K (alternative) by run type

3

RELAX LRT p-values by run type
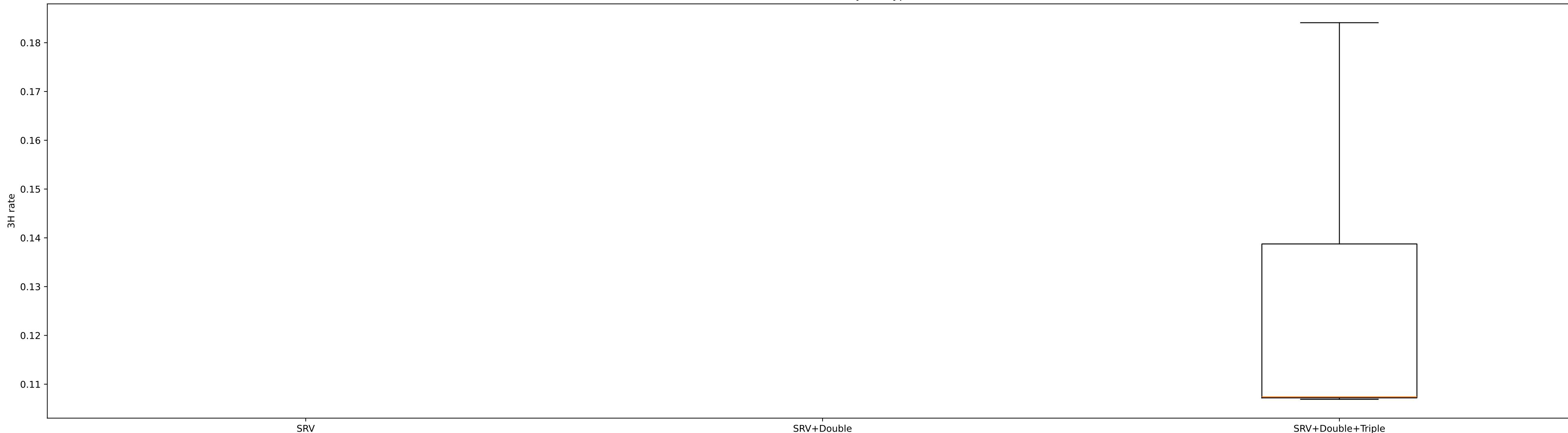
2H rates (reference) by run type
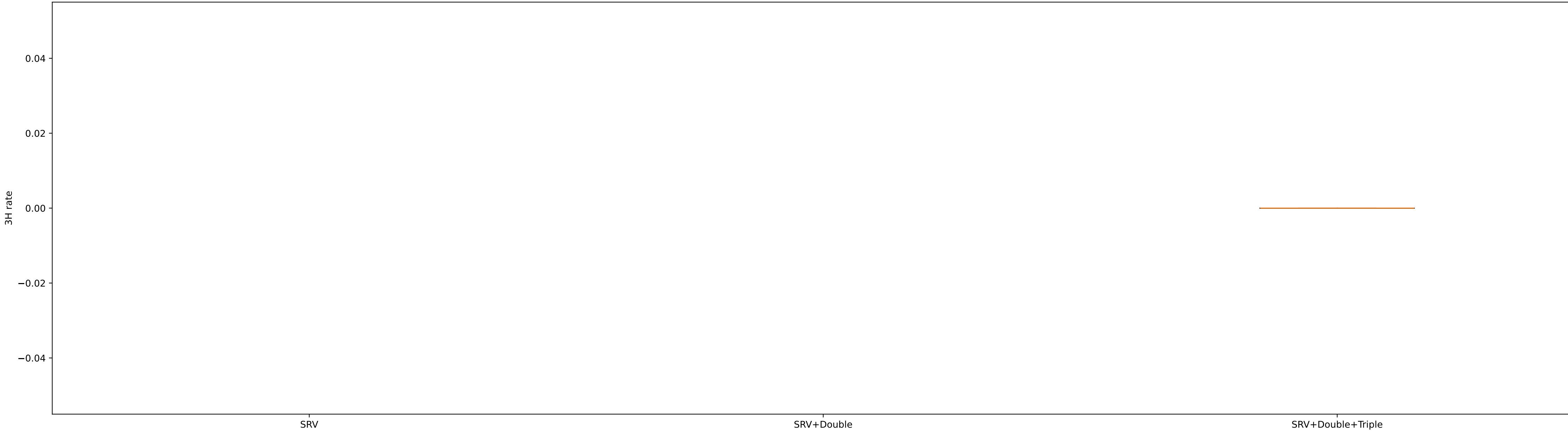
2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

Replicate-level summary — SRV (page 1/1)

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.612	0.84	0.2371	0.2638	
	2	0.6585	0.87	0.237	0.2629	
	3	0.6483	0.86	0.2369	0.2638	
	4	0.6482	0.87	0.2371	0.2639	
	5	0.6477	0.87	0.237	0.2631	
	6	0.6487	0.86	0.237	0.2635	
	7	1.0	0.85	0.2372	0.2638	
	8	0.6473	0.87	0.2368	0.2628	
	9	0.6486	0.87	0.237	0.2633	
	10	0.6479	0.87	0.237	0.2639	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.6451	0.87	0.237	0.2636	
	2	0.645	0.87	0.237	0.2631	
	3	0.6459	0.87	0.2371	0.2639	
	4	0.6435	0.87	0.2369	0.2629	
	5	0.6444	0.87	0.237	0.2633	
	6	0.6525	0.87	0.237	0.2639	
	7	0.6579	0.87	0.237	0.2629	
	8	1.0	0.87	0.2369	0.2627	
	9	0.657	0.87	0.2371	0.2639	
	10	0.6454	0.87	0.2371	0.2639	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.65	0.87	0.2371	0.2638	
	2	0.6488	0.87	0.237	0.2639	
	3	0.6481	0.87	0.2371	0.2639	
	4	0.6477	0.87	0.2371	0.2639	
	5	0.6476	0.87	0.237	0.2639	
	6	0.6481	0.87	0.2372	0.2638	
	7	0.6579	0.87	0.237	0.2628	
	8	0.6471	0.87	0.237	0.2636	
	9	0.6492	0.87	0.2368	0.2634	
	10	0.6511	0.87	0.237	0.2629	

Ω-class distributions (all) (cols 1-7/7)

test	Negative selection	0.232	7.373			SRV+Double
test	Negative selection	0.263	92.503			SRV+Double
test	Negative selection	0.186	7.373			SRV+Double
test	Negative selection	0.215	92.503			SRV+Double
reference	Diversifying selection	6.919	0.133			SRV+Double
reference	Negative selection	0.185	8.576			SRV+Double
reference	Negative selection	0.216	91.292			SRV+Double
test	Diversifying selection	6.419	0.133			SRV+Double
test	Negative selection	0.185	8.576			SRV+Double
test	Negative selection	0.216	91.292			SRV+Double
reference	Diversifying selection	6.697	0.127			SRV+Double
reference	Negative selection	0.209	0.0			SRV+Double
reference	Negative selection	0.213	99.873			SRV+Double
test	Diversifying selection	5.215	0.127			SRV+Double
test	Diversifying selection	6.697	0.127			SRV+Double
test	Negative selection	0.256	0.0			SRV+Double
test	Negative selection	0.261	99.873			SRV+Double
test	Negative selection	0.209	0.0			SRV+Double
test	Negative selection	0.213	99.873			SRV+Double
reference	Diversifying selection	6.363	0.135			SRV+Double
reference	Negative selection	0.213	99.86			SRV+Double
reference	Negative selection	0.215	0.005			SRV+Double
test	Diversifying selection	6.363	0.135			SRV+Double
test	Negative selection	0.213	99.86			SRV+Double
test	Negative selection	0.215	0.005			SRV+Double
reference	Diversifying selection	6.416	0.136			SRV+Double
reference	Negative selection	0.187	31.601			SRV+Double
reference	Negative selection	0.224	68.263			SRV+Double
test	Diversifying selection	5.024	0.136			SRV+Double
test	Diversifying selection	6.416	0.136			SRV+Double
test	Negative selection	0.233	31.601			SRV+Double
test	Negative selection	0.273	68.263			SRV+Double
test	Negative selection	0.187	31.601			SRV+Double
test	Negative selection	0.224	68.263			SRV+Double
reference	Diversifying selection	6.023	0.148			SRV+Double
reference	Negative selection	0.199	26.864			SRV+Double
reference	Negative selection	0.218	72.988			SRV+Double
test	Diversifying selection	6.023	0.148			SRV+Double
test	Negative selection	0.199	26.864			SRV+Double
test	Negative selection	0.218	72.988			SRV+Double
reference	Diversifying selection	6.343	0.138			SRV+Double
reference	Negative selection	0.184	33.659			SRV+Double
reference	Negative selection	0.227	66.203			SRV+Double
test	Diversifying selection	4.974	0.138			SRV+Double
test	Diversifying selection	6.343	0.138			SRV+Double
test	Negative selection	0.23	33.659			SRV+Double
test	Negative selection	0.276	66.203			SRV+Double
test	Negative selection	0.184	33.659			SRV+Double
test	Negative selection	0.227	66.203			SRV+Double
reference	Diversifying selection	6.088	0.146			SRV+Double

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.163	10.183	SRV	
	2	0.876	80.688	SRV	
	3	3.031	9.129	SRV	
	1	0.115	8.224	SRV	
	2	0.862	82.675	SRV	
	3	3.053	9.1	SRV	
	1	0.12	8.422	SRV	
	2	0.863	82.518	SRV	
	3	3.061	9.06	SRV	
	1	0.118	8.338	SRV	
	2	0.863	82.576	SRV	
	3	3.057	9.086	SRV	
	1	0.118	8.341	SRV	
	2	0.863	82.579	SRV	
	3	3.058	9.079	SRV	
	1	0.118	8.348	SRV	
	2	0.863	82.578	SRV	
	3	3.059	9.074	SRV	
	1	0.124	8.499	SRV	
	2	0.864	82.426	SRV	
	3	3.056	9.076	SRV	
	1	0.122	8.484	SRV	
	2	0.864	82.455	SRV	
	3	3.06	9.062	SRV	
	1	0.118	8.325	SRV	
	2	0.863	82.589	SRV	
	3	3.056	9.085	SRV	
	1	0.108	7.96	SRV	
	2	0.86	82.902	SRV	
	3	3.05	9.139	SRV	

test	2H	0.0	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.0567	SRV+Double+Triple	
reference	2H	0.0571	SRV+Double+Triple	
reference	3H	Multihit (2H/3H) rates (all) (cols 1-6/6) 0.1072	SRV+Double+Triple	
reference	3H	0.1074	SRV+Double+Triple	
test	2H	0.0	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.1036	SRV+Double+Triple	
reference	2H	0.0571	SRV+Double+Triple	
reference	3H	0.172	SRV+Double+Triple	
reference	3H	0.1071	SRV+Double+Triple	
test	2H	0.0	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.0566	SRV+Double+Triple	
reference	2H	0.0571	SRV+Double+Triple	
reference	3H	0.107	SRV+Double+Triple	
reference	3H	0.1073	SRV+Double+Triple	
test	2H	0.0	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.1082	SRV+Double+Triple	
reference	2H	0.0571	SRV+Double+Triple	
reference	3H	0.1841	SRV+Double+Triple	
reference	3H	0.1072	SRV+Double+Triple	
test	2H	0.0	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.0567	SRV+Double+Triple	
reference	2H	0.0572	SRV+Double+Triple	
reference	3H	0.1075	SRV+Double+Triple	
reference	3H	0.1076	SRV+Double+Triple	
test	2H	0.0	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.1087	SRV+Double+Triple	
reference	2H	0.0572	SRV+Double+Triple	
reference	3H	0.1805	SRV+Double+Triple	
reference	3H	0.1073	SRV+Double+Triple	
test	2H	0.0	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.0568	SRV+Double+Triple	
reference	2H	0.0572	SRV+Double+Triple	
reference	3H	0.1074	SRV+Double+Triple	
reference	3H	0.1075	SRV+Double+Triple	
test	2H	0.0	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.1054	SRV+Double+Triple	
reference	2H	0.0571	SRV+Double+Triple	
reference	3H	0.1799	SRV+Double+Triple	
reference	3H	0.1074	SRV+Double+Triple	
test	2H	0.0	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	