

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

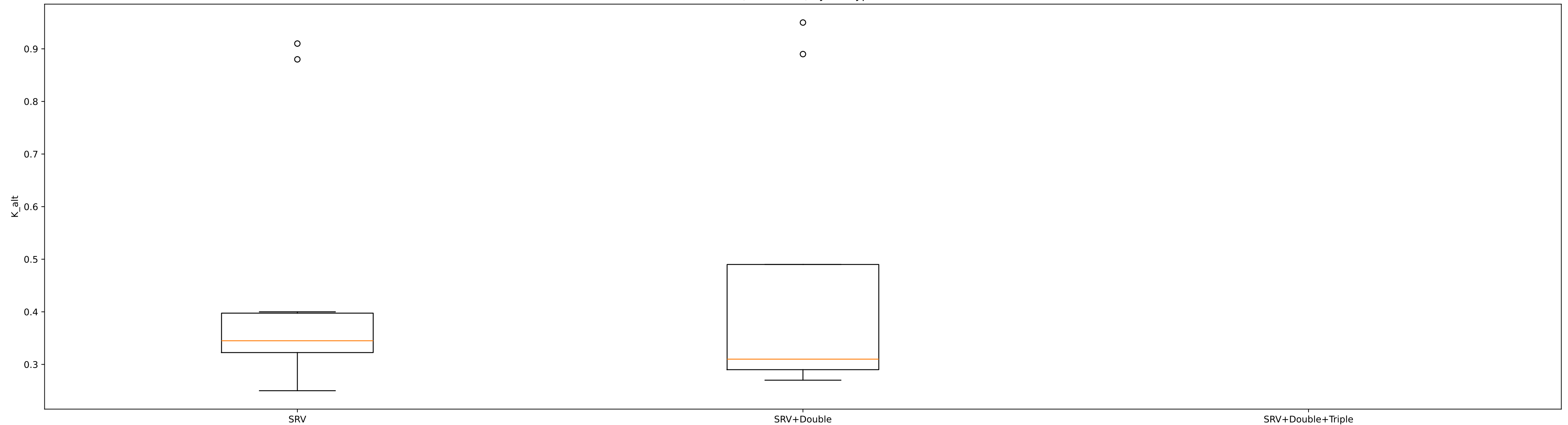
Includes:

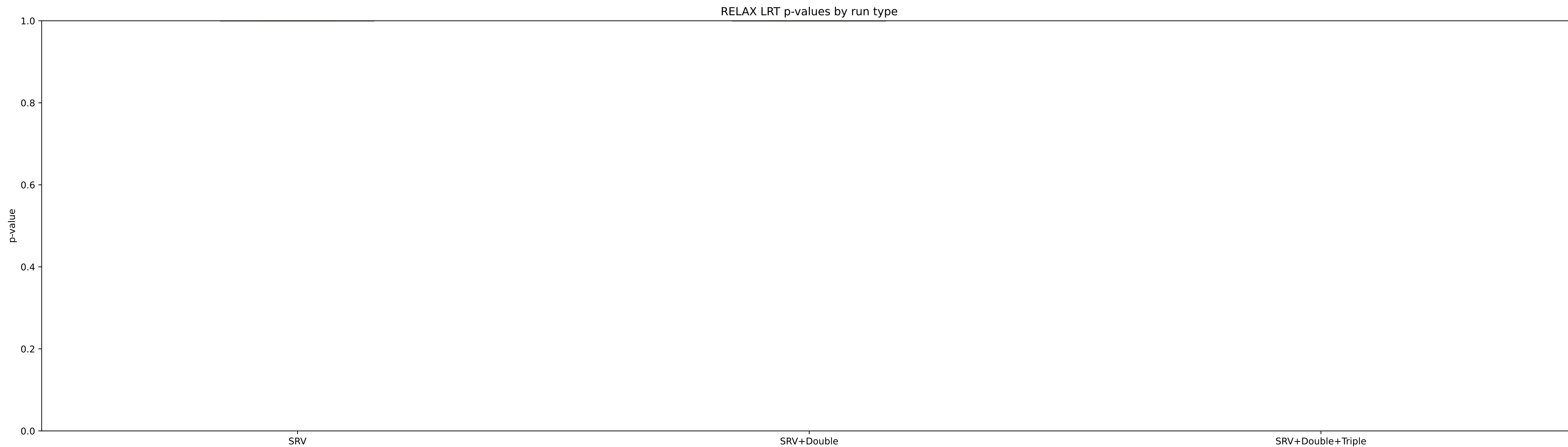
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

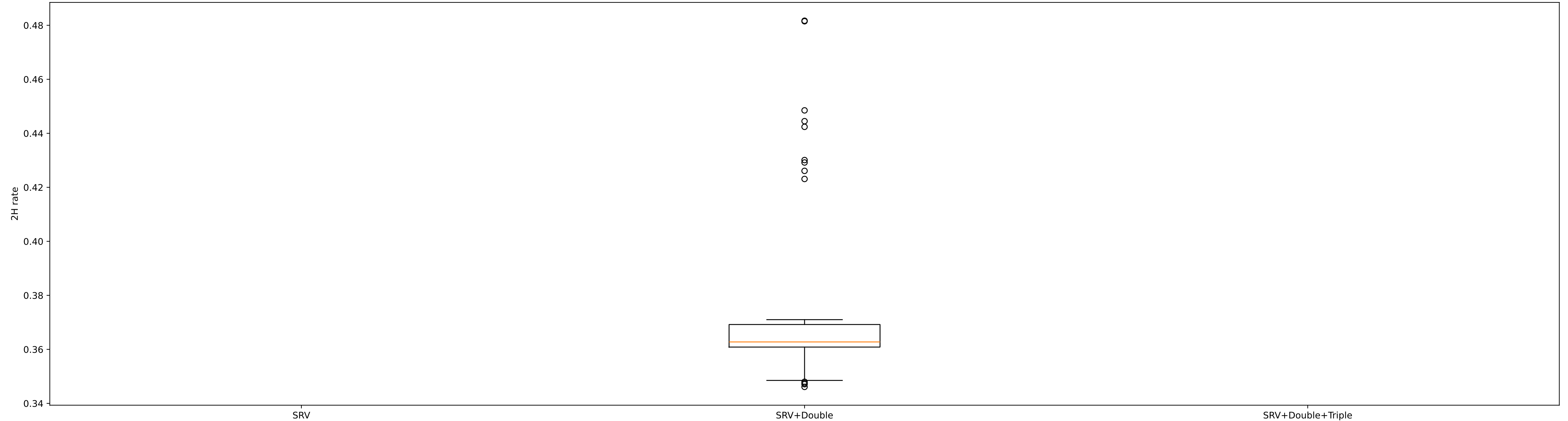
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
1.0	1.0	1.0	0.345	0.25	0.91	0.3151	0.0	10	nan	nan
1.0	1.0	1.0	0.31	0.27	0.95	0.3151	0.0	9	0.3628	0.0113
nan	nan	nan	nan	nan	nan	nan	nan	0	nan	nan

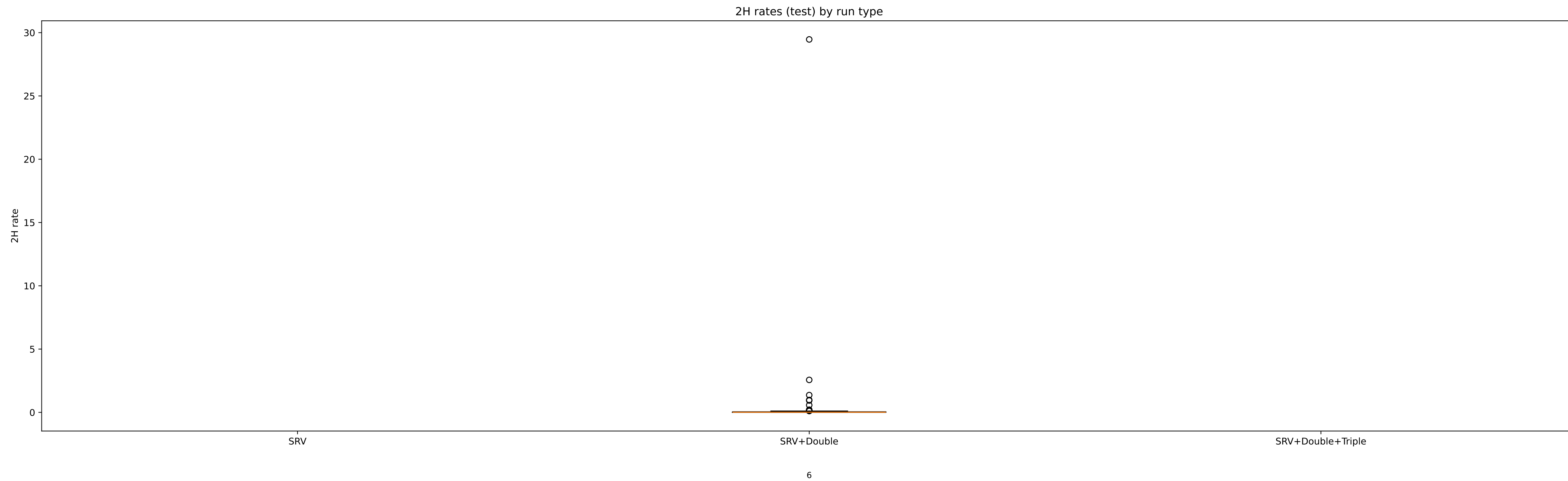
K (alternative) by run type





2H rates (reference) by run type





No 3H rates available

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	0.4	0.3151	0.0	
	2	1.0	0.32	0.3151	0.0	
	3	1.0	0.39	0.3151	0.0	
	4	1.0	0.88	0.3151	0.0	
	5	1.0	0.36	0.3151	0.0	
	6	1.0	0.33	0.3151	0.0	
	7	1.0	0.91	0.3151	0.0	
	8	1.0	0.33	0.3151	0.0	
	9	1.0	0.25	0.3151	0.0	
	10	1.0	0.31	0.3151	0.0	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	0.95	0.3151	0.0	
	2	1.0	0.31	0.3151	0.0	
	3	1.0	0.29	0.3151	0.0	
	4	1.0	0.3	0.3151	0.0	
	5	nan	nan	0.3151	0.0	
	6	1.0	0.29	0.3151	0.0	
	7	1.0	0.31	0.3151	0.0	
	8	1.0	0.27	0.3151	0.0	
	9	1.0	0.49	0.3151	0.0	
	10	1.0	0.89	0.3151	0.0	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	nan	nan	nan	nan	
	2	nan	nan	nan	nan	
	3	nan	nan	nan	nan	
	4	nan	nan	nan	nan	
	5	nan	nan	nan	nan	
	6	nan	nan	nan	nan	
	7	nan	nan	nan	nan	
	8	nan	nan	nan	nan	
	9	nan	nan	nan	nan	
	10	nan	nan	nan	nan	

			Neutral evolution	1.0	31.026	SRV	
	test		Diversifying selection	157088.449	0.051	SRV	
	reference		on				
	reference		Negative selection	0.0	68.944	SRV	
	reference		Neutral evolution	1.0	31.004	SRV	
	test		Diversifying selection	19.405	0.051	SRV	
	test		Diversifying selection	157088.449	0.051	SRV	
	test		on				
	test		Negative selection	0.0	68.944	SRV	
	test		Negative selection	0.0	68.944	SRV	
	test		Neutral evolution	1.0	31.004	SRV	
	test		Neutral evolution	1.0	31.004	SRV	
	reference		Diversifying selection	1064650.393	0.051	SRV	
	reference		on				
	reference		Negative selection	0.0	68.971	SRV	
	reference		Neutral evolution	1.0	30.978	SRV	
	test		Diversifying selection	1064650.393	0.051	SRV	
	test		on				
	test		Negative selection	0.0	68.971	SRV	
	test		Neutral evolution	1.0	30.978	SRV	
	reference		Diversifying selection	8365.91	0.083	SRV	
	reference		on				
	reference		Negative selection	0.0	69.312	SRV	
	reference		Neutral evolution	1.0	30.605	SRV	
	test		Diversifying selection	16.284	0.083	SRV	
	test		Diversifying selection	8365.91	0.083	SRV	
	test		on				
	test		Negative selection	0.0	69.312	SRV	
	test		Negative selection	0.0	69.312	SRV	
	test		Neutral evolution	1.0	30.605	SRV	
	test		Neutral evolution	1.0	30.605	SRV	
	reference		Diversifying selection	8862.488	0.083	SRV	
	reference		on				
	reference		Negative selection	0.0	69.344	SRV	
	reference		Neutral evolution	1.0	30.573	SRV	
	test		Diversifying selection	8862.488	0.083	SRV	
	test		on				
	test		Negative selection	0.0	69.344	SRV	
	test		Neutral evolution	1.0	30.573	SRV	
	reference		Diversifying selection	1.009	29.222	SRV+Double	
	reference		on				
	reference		Negative selection	0.0	2.411	SRV+Double	
	reference		Negative selection	0.0	68.367	SRV+Double	
	test		Diversifying selection	1.009	29.222	SRV+Double	
	test		Diversifying selection	1.009	29.222	SRV+Double	
	test		on				
	test		Negative selection	0.0	2.411	SRV+Double	
	test		Negative selection	0.0	68.367	SRV+Double	
	test		Negative selection	0.0	2.411	SRV+Double	
	test		Negative selection	0.0	68.367	SRV+Double	
	reference		Diversifying selection	1.015	29.088	SRV+Double	
	reference		on				
	reference		Negative selection	0.0	2.858	SRV+Double	
	reference		Negative selection	0.0	68.054	SRV+Double	
	test		Diversifying selection	1.015	29.088	SRV+Double	
	test		on				
	test		Negative selection	0.0	2.858	SRV+Double	
	test		Negative selection	0.0	68.054	SRV+Double	
	reference		Diversifying selection	2.069	2.913	SRV+Double	
	reference		on				
	reference		Negative selection	0.0	75.608	SRV+Double	
	reference		Neutral evolution	1.0	21.479	SRV+Double	
	reference		Diversifying selection	1.000	0.000	SRV+Double	

SRV rate classes (all) (cols 1-6/6)

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.002	8.086	SRV	
	2	0.002	40.767	SRV	
	3	1.954	51.146	SRV	
	1	0.0	34.377	SRV	
	2	1.268	57.968	SRV	
	3	3.465	7.654	SRV	
	1	0.0	36.55	SRV	
	2	1.448	61.184	SRV	
	3	5.03	2.266	SRV	
	1	0.0	35.158	SRV	
	2	0.696	33.273	SRV	
	3	2.434	31.569	SRV	
	1	0.0	33.842	SRV	
	2	1.281	60.113	SRV	
	3	3.809	6.045	SRV	
	1	0.0	0.0	SRV	
	2	0.002	48.857	SRV	
	3	1.954	51.143	SRV	
	1	0.0	33.441	SRV	
	2	0.648	34.879	SRV	
	3	2.443	31.68	SRV	
	1	0.236	56.328	SRV	
	2	0.321	8.904	SRV	
	3	2.412	34.768	SRV	
	1	0.0	26.344	SRV	
	2	0.482	40.454	SRV	
	3	2.425	33.202	SRV	
	1	0.002	4.047	SRV	
	2	0.002	44.781	SRV	
	3	1.953	51.172	SRV	

	reference	2H	0.3534	SRV+Double	
	reference	2H	0.3529	SRV+Double	
	reference	2H	0.352	SRV+Double	
	reference	2H	0.3516	SRV+Double	
	reference	2H	0.3519	SRV+Double	
	reference	2H	0.3524	SRV+Double	
	test	2H	0.1095	SRV+Double	
	test	2H	0.0611	SRV+Double	
	test	2H	0.0355	SRV+Double	
	test	2H	0.0753	SRV+Double	
	test	2H	0.0433	SRV+Double	
	test	2H	0.0253	SRV+Double	
	test	2H	0.0151	SRV+Double	
	test	2H	0.0092	SRV+Double	
	test	2H	0.0057	SRV+Double	
	test	2H	0.0052	SRV+Double	
	test	2H	0.0032	SRV+Double	
	reference	2H	0.4815	SRV+Double	
	reference	2H	0.3612	SRV+Double	
	test	2H	0.0894	SRV+Double	
	reference	2H	0.3624	SRV+Double	
	reference	2H	0.363	SRV+Double	
	reference	2H	0.3625	SRV+Double	
	reference	2H	0.362	SRV+Double	
	reference	2H	0.3614	SRV+Double	
	reference	2H	0.361	SRV+Double	
	test	2H	0.0507	SRV+Double	
	test	2H	0.0177	SRV+Double	
	test	2H	0.0107	SRV+Double	
	test	2H	0.0213	SRV+Double	
	test	2H	0.0128	SRV+Double	
	test	2H	0.0256	SRV+Double	
	test	2H	0.0255	SRV+Double	
	test	2H	0.0093	SRV+Double	
	test	2H	0.0057	SRV+Double	
	test	2H	0.0022	SRV+Double	
	test	2H	0.0014	SRV+Double	
	test	2H	0.0009	SRV+Double	
	reference	2H	0.4445	SRV+Double	
	reference	2H	0.3461	SRV+Double	
	test	2H	0.9802	SRV+Double	
	reference	2H	0.3471	SRV+Double	
	reference	2H	0.3475	SRV+Double	
	reference	2H	0.348	SRV+Double	
	reference	2H	0.3485	SRV+Double	
	test	2H	29.4644	SRV+Double	
	test	2H	1.3652	SRV+Double	
	test	2H	0.5711	SRV+Double	
	test	2H	0.1452	SRV+Double	

Multihit (2H/3H) rates (all) (cols 1-6/6)