

# RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

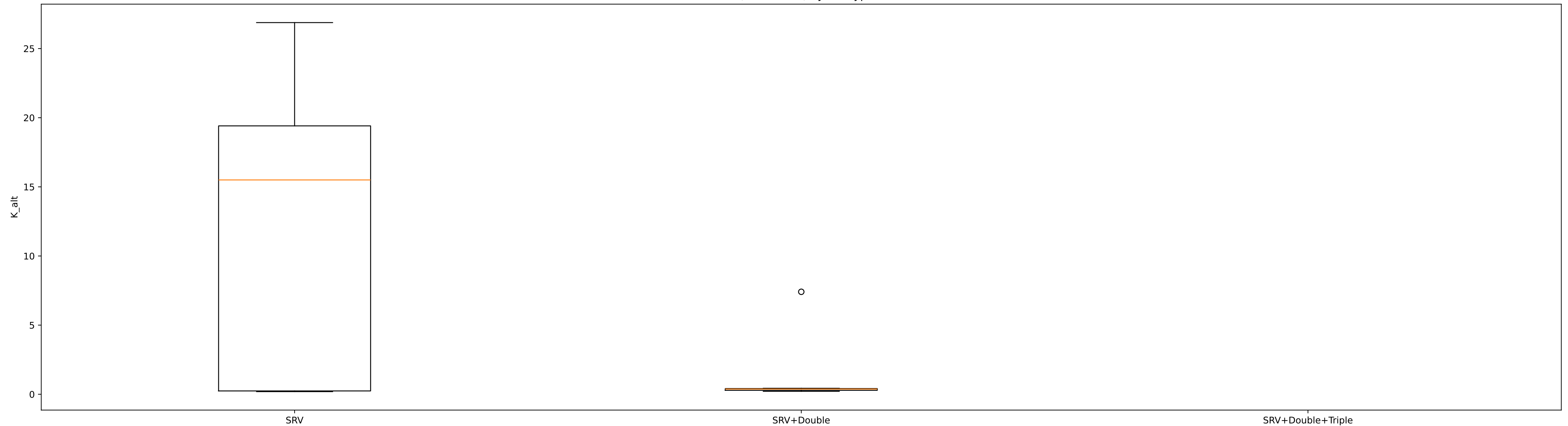
Includes:

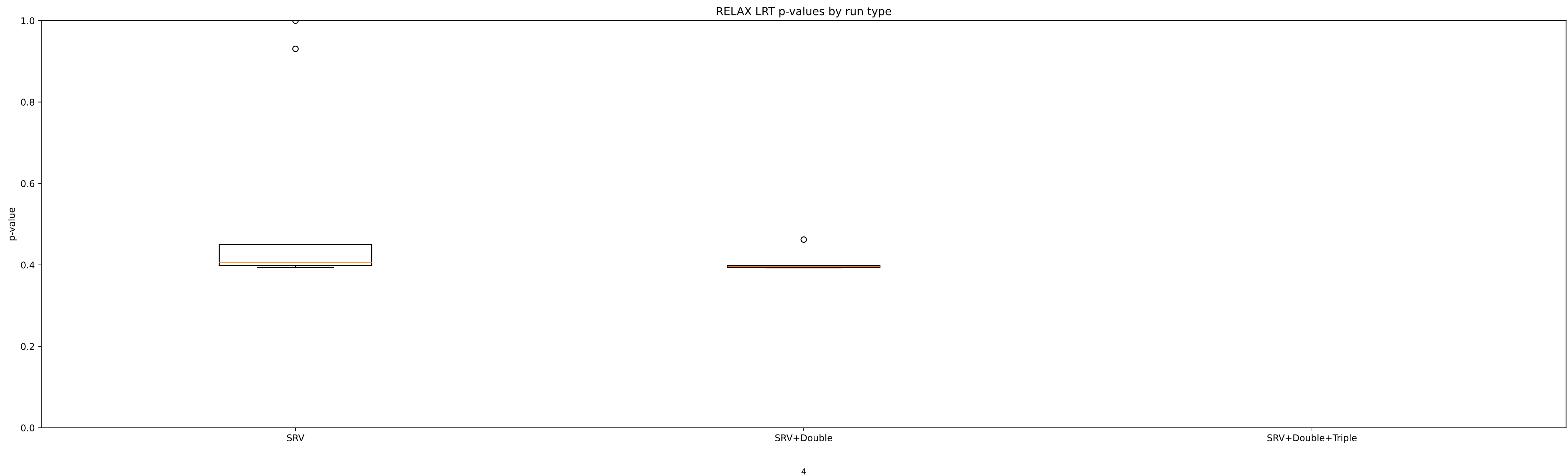
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

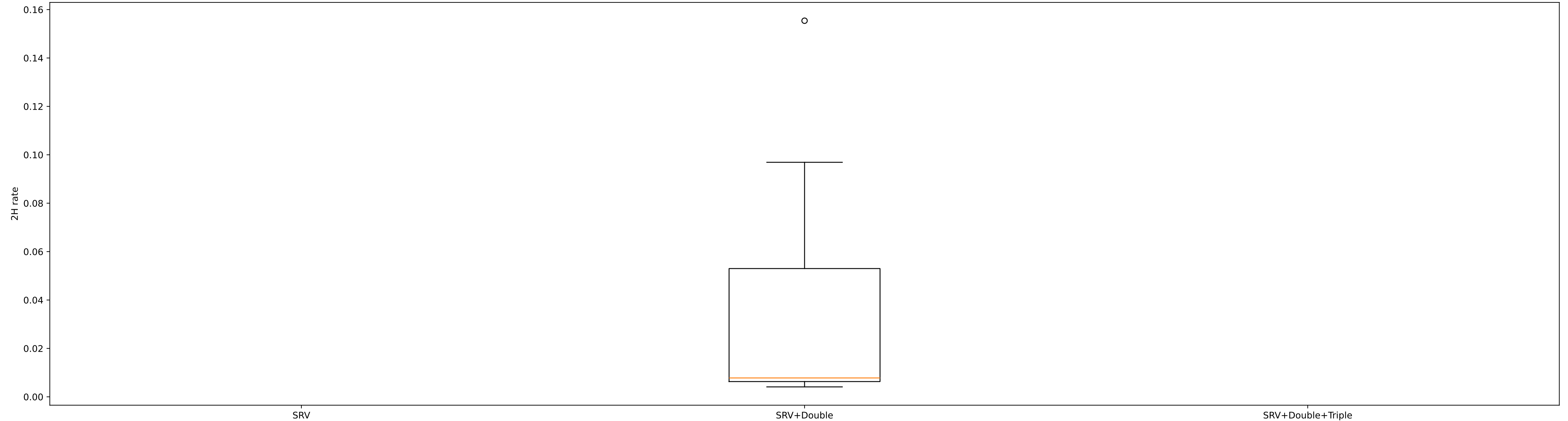
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.4065	0.3941	1.0	15.5	0.19	26.88	0.2618	0.4894	9	nan	nan
0.3958	0.3927	0.4622	0.375	0.21	7.41	0.2618	0.4894	10	0.0078	0.0
nan	nan	nan	nan	nan	nan	nan	nan	0	nan	nan

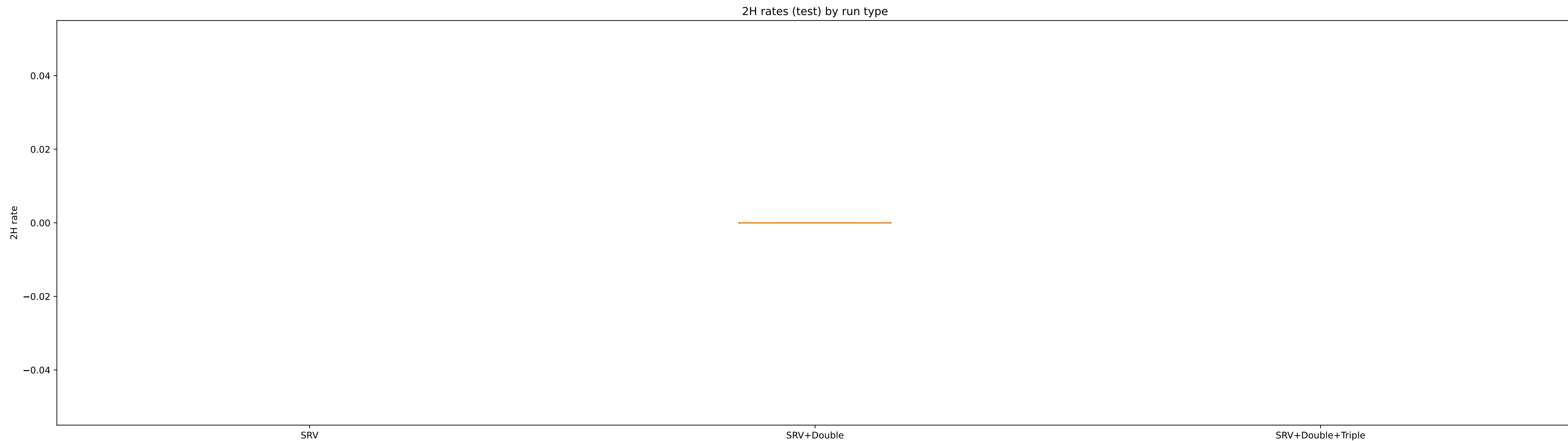
K (alternative) by run type





2H rates (reference) by run type





No 3H rates available

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3994	15.5	0.2618	0.4894	
	2	0.4065	0.37	0.2618	0.4894	
	3	0.4502	26.88	0.2618	0.4894	
	4	0.3982	19.41	0.2618	0.4894	
	5	0.4103	19.16	0.2618	0.4894	
	6	1.0	0.21	0.2618	0.4894	
	7	nan	nan	0.2618	0.4894	
	8	0.9307	0.19	0.2618	0.4894	
	9	0.3941	23.35	0.2618	0.4894	
	10	0.3979	0.24	0.2618	0.4894	



	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.395	0.21	0.2618	0.4894	
	2	0.3986	0.28	0.2618	0.4894	
	3	0.3959	0.24	0.2618	0.4894	
	4	0.3935	7.41	0.2618	0.4894	
	5	0.3928	0.41	0.2618	0.4894	
	6	0.4622	0.39	0.2618	0.4894	
	7	0.3956	0.36	0.2618	0.4881	
	8	0.3985	0.3	0.2621	0.4893	
	9	0.3979	0.43	0.2619	0.4888	
	10	0.3927	0.41	0.2618	0.4894	

	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	

	test	on Negative s election	0.0	63.493	SRV
	test	Negative s election	0.752	36.507	SRV
	reference	Negative s election	0.001	51.088	SRV
	reference	Negative s election	0.247	28.489	SRV
	reference	Neutral evolution	1.0	20.423	SRV
	test	Negative s election	0.163	51.088	SRV
	test	Negative s election	0.713	28.489	SRV
	test	Negative s election	0.001	51.088	SRV
	test	Negative s election	0.247	28.489	SRV
	test	Neutral evolution	1.0	20.423	SRV
	test	Neutral evolution	1.0	20.423	SRV
	reference	Negative s election	0.0	51.645	SRV
	reference	Negative s election	0.249	27.522	SRV
	reference	Neutral evolution	1.0	20.833	SRV
	test	Negative s election	0.0	51.645	SRV
	test	Negative s election	0.249	27.522	SRV
	test	Neutral evolution	1.0	20.833	SRV
	reference	Diversifying selection	1.016	17.76	SRV+Double
	reference	Negative s election	0.0	50.402	SRV+Double
	reference	Negative s election, Diversifying selection	0.288	31.839	SRV+Double
	test	Diversifying selection	1.003	17.76	SRV+Double
	test	Diversifying selection	1.016	17.76	SRV+Double
	test	Negative s election	0.134	50.402	SRV+Double
	test	Negative s election	0.769	31.839	SRV+Double
	test	Negative s election	0.0	50.402	SRV+Double
	test	Negative s election, Diversifying selection	0.288	31.839	SRV+Double
	reference	on Negative s election	1.004	18.884	SRV+Double
	reference	Negative s election	0.0	50.604	SRV+Double
	reference	Negative s election, Diversifying selection	0.278	30.512	SRV+Double
	test	on Negative s election	1.004	18.884	SRV+Double
	test	Negative s election	0.0	50.604	SRV+Double
	test	Negative s election	0.278	30.512	SRV+Double
	reference	Negative s election	0.007	63.113	SRV+Double
	reference	Negative s election	0.584	24.037	SRV+Double
	reference	Neutral evolution	1.0	12.849	SRV+Double
	test	Negative s election	0.246	63.113	SRV+Double
	test	Negative s election	0.859	24.037	SRV+Double
	test	Negative s election	0.007	63.113	SRV+Double
	test	Negative s election	0.584	24.037	SRV+Double
	test	Neutral evolution	1.0	12.849	SRV+Double
	test	Neutral evolution	1.0	12.849	SRV+Double
	reference	Negative s election	0.0	62.02	SRV+Double
	reference	Negative s election	0.587	25.394	SRV+Double
	reference	Neutral evolution	1.0	12.586	SRV+Double
	test	Negative s election	0.0	62.02	SRV+Double
	test	Negative s election	0.587	25.394	SRV+Double
	test	Neutral evolution	1.0	12.586	SRV+Double
	reference	Negative s election	0.001	52.789	SRV+Double
	reference	Negative s election	0.284	27.698	SRV+Double
		Neutral evolution	1.0	12.586	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.656	43.794	SRV	
	2	0.67	27.059	SRV	
	3	1.824	29.147	SRV	
	1	0.661	37.75	SRV	
	2	0.665	33.446	SRV	
	3	1.833	28.804	SRV	
	1	0.662	28.69	SRV	
	2	0.665	42.653	SRV	
	3	1.836	28.657	SRV	
	1	0.654	42.113	SRV	
	2	0.67	28.712	SRV	
	3	1.824	29.174	SRV	
	1	0.653	40.617	SRV	
	2	0.675	30.368	SRV	
	3	1.827	29.014	SRV	
	1	0.658	31.087	SRV	
	2	0.673	40.827	SRV	
	3	1.855	28.086	SRV	
	1	0.659	31.091	SRV	
	2	0.673	40.82	SRV	
	3	1.853	28.088	SRV	
	1	0.663	37.393	SRV	
	2	0.671	34.569	SRV	
	3	1.855	28.037	SRV	
	1	0.645	34.024	SRV	
	2	0.68	37.285	SRV	
	3	1.836	28.691	SRV	

	reference	2H	0.0929	SRV+Double	
	reference	2H	0.007	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0051	SRV+Double	
	reference	2H	0.0069	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.1554	SRV+Double	
	reference	2H	0.0069	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0049	SRV+Double	
	reference	2H	0.0063	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0913	SRV+Double	
	reference	2H	0.0081	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0059	SRV+Double	
	reference	2H	0.0067	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0903	SRV+Double	
	reference	2H	0.0078	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0061	SRV+Double	
	reference	2H	0.0063	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0915	SRV+Double	
	reference	2H	0.0054	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0041	SRV+Double	
	reference	2H	0.007	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0906	SRV+Double	
	reference	2H	0.0089	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0064	SRV+Double	
	reference	2H	0.0078	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0919	SRV+Double	
	reference	2H	0.0086	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.006	SRV+Double	
	reference	2H	0.0063	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0894	SRV+Double	
	reference	2H	0.0166	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0142	SRV+Double	
	reference	2H	0.0155	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0969	SRV+Double	
	reference	2H	0.0073	SRV+Double	

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