

# RELAX Combined Report

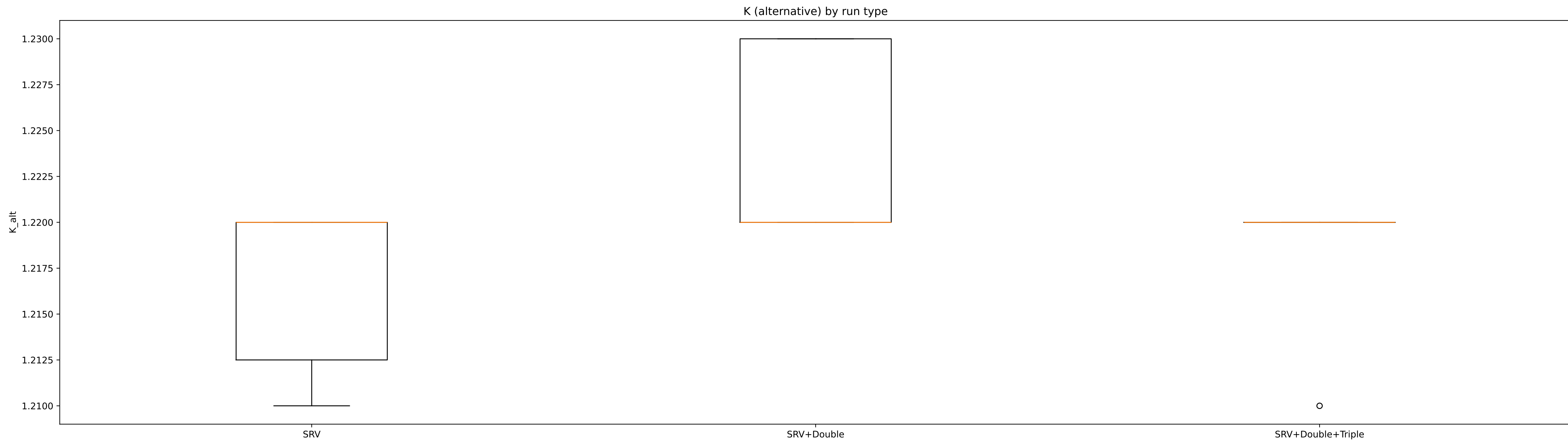
SRV vs SRV+Double vs SRV+Double+Triple

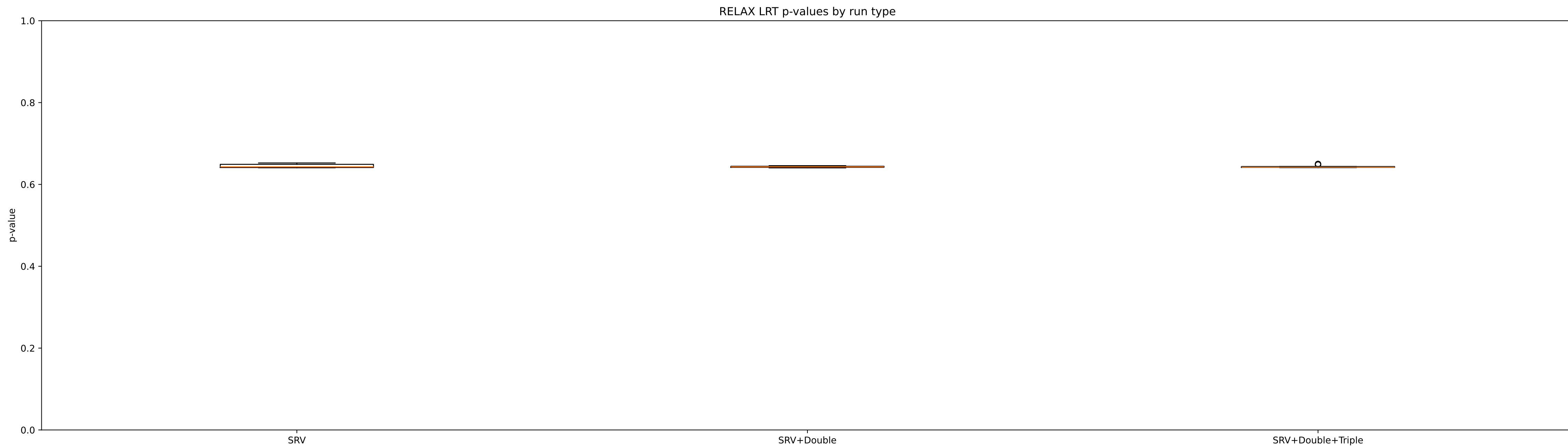
Includes:

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

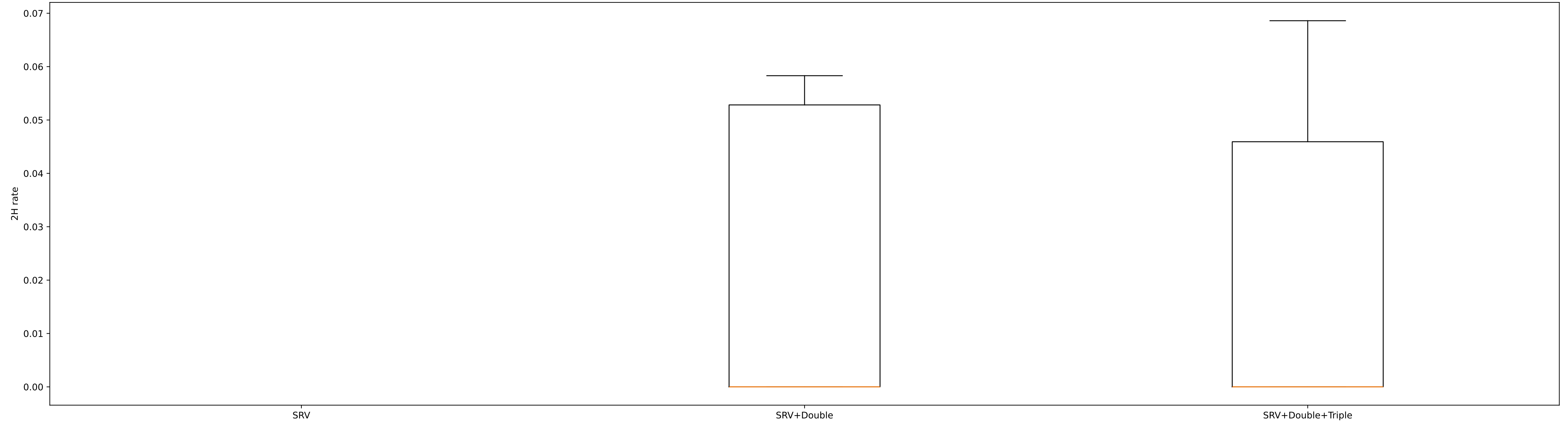
Run-type summary statistics

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
0.6431	0.6407	0.6524	1.22	1.21	1.22	0.2765	0.1907	10	nan	nan
0.6432	0.6404	0.6458	1.22	1.22	1.23	0.2765	0.1907	10	0.0	0.0
0.6422	0.641	0.65	1.22	1.21	1.22	0.2765	0.1907	10	0.0	0.0



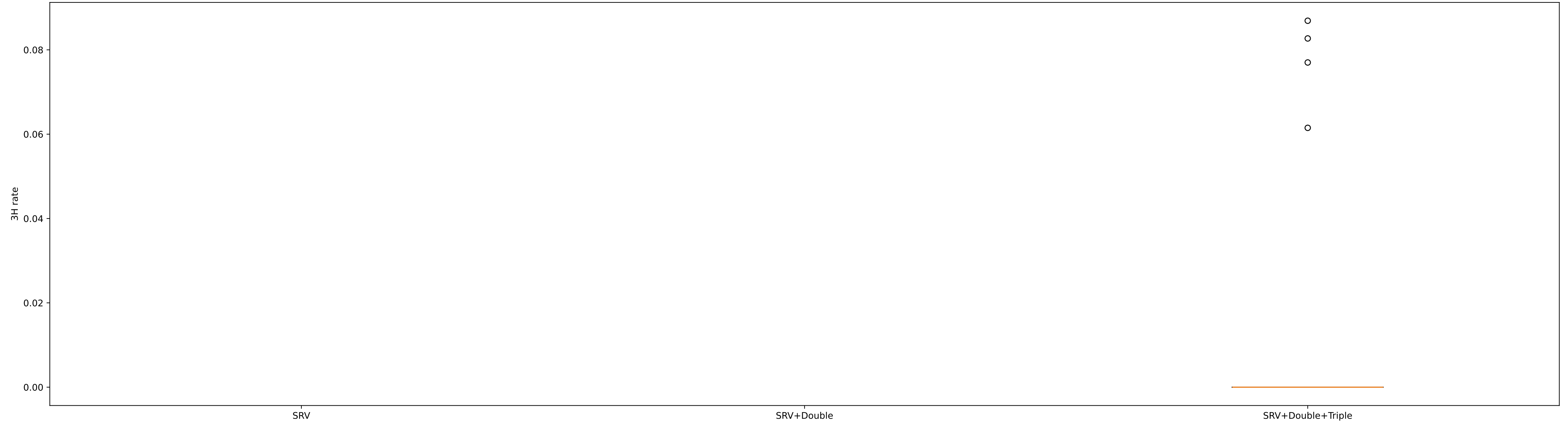


2H rates (reference) by run type





3H rates (reference) by run type



3H rates (test) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.6507	1.21	0.2765	0.1907	
	2	0.6431	1.22	0.2765	0.1907	
	3	0.6524	1.21	0.2765	0.1907	
	4	0.6412	1.22	0.2765	0.1907	
	5	0.6508	1.21	0.2765	0.1907	
	6	0.6407	1.22	0.2765	0.1907	
	7	0.6411	1.22	0.2765	0.1907	
	8	0.6431	1.22	0.2765	0.1907	
	9	0.6444	1.22	0.2765	0.1907	
	10	0.6413	1.22	0.2765	0.1907	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.6449	1.22	0.2765	0.1907	
	2	0.6406	1.22	0.2765	0.1907	
	3	0.6435	1.23	0.2765	0.1907	
	4	0.6415	1.22	0.2765	0.1907	
	5	0.6458	1.22	0.2765	0.1907	
	6	0.6426	1.22	0.2765	0.1907	
	7	0.6435	1.23	0.2765	0.1907	
	8	0.6447	1.23	0.2765	0.1907	
	9	0.6404	1.22	0.2765	0.1907	
	10	0.6428	1.23	0.2765	0.1907	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.6415	1.22	0.2765	0.1907	
	2	0.6439	1.22	0.2765	0.1907	
	3	0.65	1.21	0.2765	0.1907	
	4	0.6422	1.22	0.2765	0.1907	
	5	0.6422	1.22	0.2765	0.1907	
	6	0.6431	1.22	0.2765	0.1907	
	7	0.6483	1.22	0.2765	0.1907	
	8	0.6413	1.22	0.2765	0.1907	
	9	0.6421	1.22	0.2765	0.1907	
	10	0.641	1.22	0.2765	0.1907	

	test	Negative selection	0.181	97.309	SRV+Double	
	test	Negative selection	0.195	2.076	SRV+Double	
	test	Negative selection	0.247	97.309	SRV+Double	
	test	Negative selection	0.263	2.076	SRV+Double	
	reference	Diversifying selection	4.445	0.549	SRV+Double	
	reference	Negative selection	0.24	1.84	SRV+Double	
	reference	Negative selection	0.247	97.611	SRV+Double	
	test	Diversifying selection	5.443	0.549	SRV+Double	
	test	Negative selection	0.24	1.84	SRV+Double	
	test	Negative selection	0.247	97.611	SRV+Double	
	reference	Diversifying selection	5.33	0.541	SRV+Double	
	reference	Negative selection	0.208	3.353	SRV+Double	
	reference	Negative selection	0.251	96.106	SRV+Double	
	test	Diversifying selection	7.674	0.541	SRV+Double	
	test	Diversifying selection	5.33	0.541	SRV+Double	
	test	Negative selection	0.148	3.353	SRV+Double	
	test	Negative selection	0.185	96.106	SRV+Double	
	test	Negative selection	0.208	3.353	SRV+Double	
	test	Negative selection	0.251	96.106	SRV+Double	
	reference	Diversifying selection	5.618	0.528	SRV+Double	
	reference	Negative selection	0.237	3.246	SRV+Double	
	reference	Negative selection	0.248	96.227	SRV+Double	
	test	Diversifying selection	5.618	0.528	SRV+Double	
	test	Negative selection	0.237	3.246	SRV+Double	
	test	Negative selection	0.248	96.227	SRV+Double	
	reference	Diversifying selection	4.819	0.623	SRV+Double	
	reference	Negative selection	0.246	96.895	SRV+Double	
	reference	Negative selection	0.287	2.482	SRV+Double	
	test	Diversifying selection	6.841	0.623	SRV+Double	
	test	Diversifying selection	4.819	0.623	SRV+Double	
	test	Negative selection	0.18	96.895	SRV+Double	
	test	Negative selection	0.217	2.482	SRV+Double	
	test	Negative selection	0.246	96.895	SRV+Double	
	test	Negative selection	0.287	2.482	SRV+Double	
	reference	Diversifying selection	5.548	0.532	SRV+Double	
	reference	Negative selection	0.24	2.325	SRV+Double	
	reference	Negative selection	0.247	97.143	SRV+Double	
	test	Diversifying selection	5.548	0.532	SRV+Double	
	test	Negative selection	0.24	2.325	SRV+Double	
	test	Negative selection	0.247	97.143	SRV+Double	
	reference	Diversifying selection	4.674	0.651	SRV+Double	
	reference	Negative selection	0.245	95.563	SRV+Double	
	reference	Negative selection	0.293	3.786	SRV+Double	
	test	Diversifying selection	6.632	0.651	SRV+Double	
	test	Diversifying selection	4.674	0.651	SRV+Double	
	test	Negative selection	0.178	95.563	SRV+Double	
	test	Negative selection	0.222	3.786	SRV+Double	
	test	Negative selection	0.245	95.563	SRV+Double	
	test	Negative selection	12 0.293	3.786	SRV+Double	
	reference	Diversifying selection	5.498	0.542	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.358	32.515	SRV	
	2	1.052	59.341	SRV	
	3	3.185	8.144	SRV	
	1	0.0	9.639	SRV	
	2	0.876	81.097	SRV	
	3	3.129	9.264	SRV	
	1	0.657	51.89	SRV	
	2	0.658	28.979	SRV	
	3	2.448	19.131	SRV	
	1	0.0	9.764	SRV	
	2	0.879	81.109	SRV	
	3	3.146	9.127	SRV	
	1	0.343	31.196	SRV	
	2	1.048	60.865	SRV	
	3	3.216	7.939	SRV	
	1	0.0	9.673	SRV	
	2	0.876	81.081	SRV	
	3	3.131	9.246	SRV	
	1	0.0	9.738	SRV	
	2	0.879	81.155	SRV	
	3	3.152	9.107	SRV	
	1	0.0	9.794	SRV	
	2	0.88	81.185	SRV	
	3	3.161	9.02	SRV	
	1	0.0	9.651	SRV	
	2	0.877	81.152	SRV	
	3	3.138	9.197	SRV	
	1	0.0	9.744	SRV	
	2	0.878	81.101	SRV	
	3	3.142	9.155	SRV	

