

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

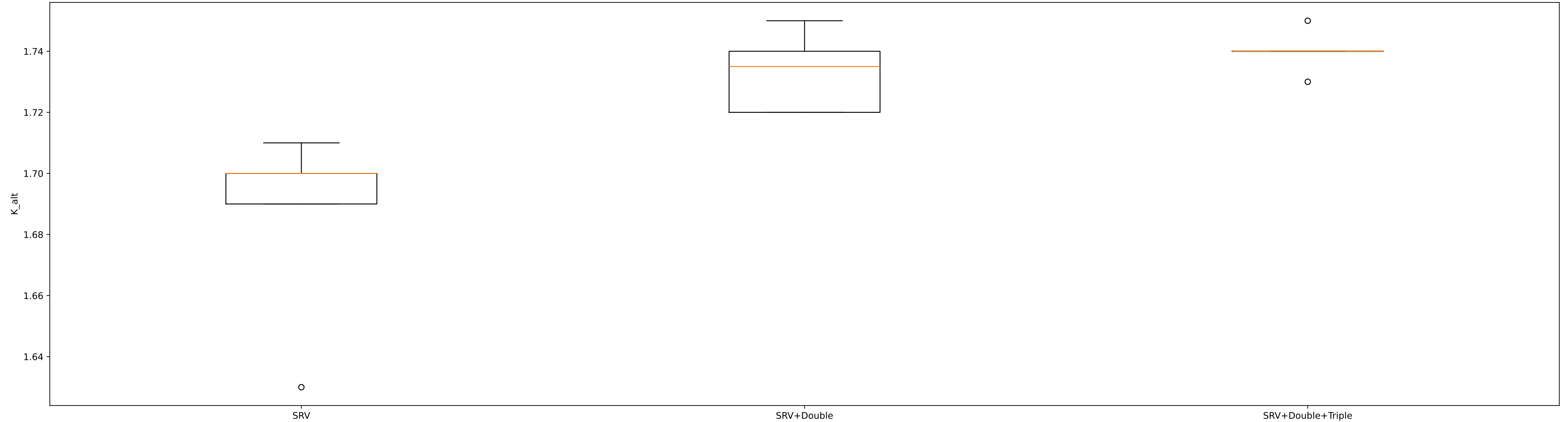
Includes:

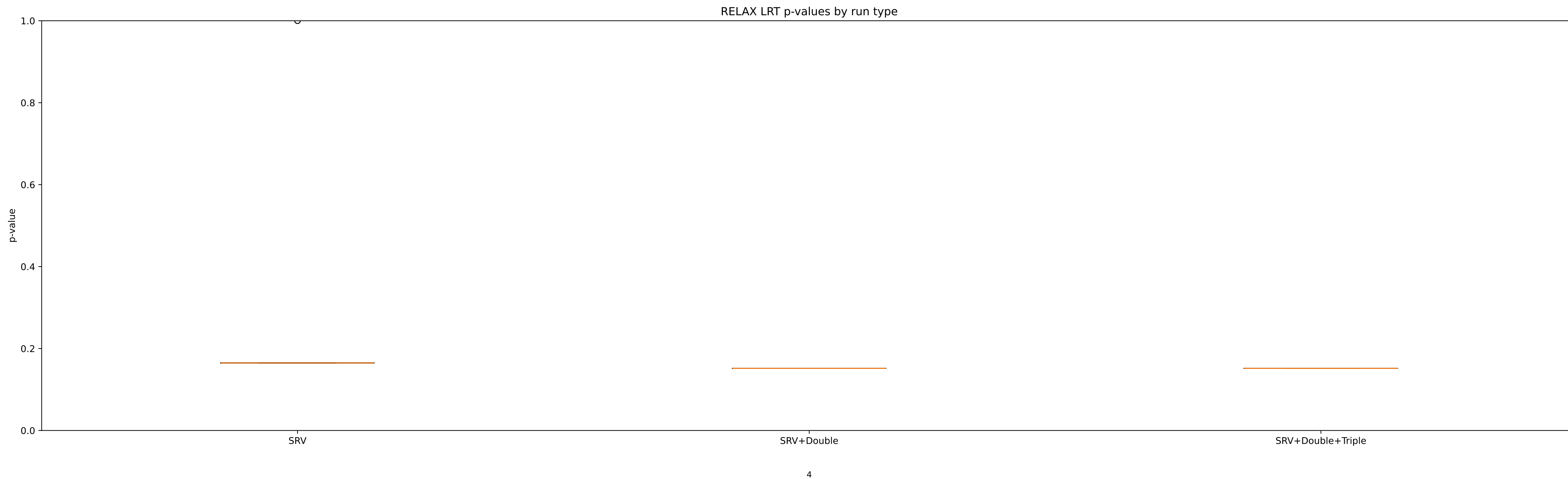
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

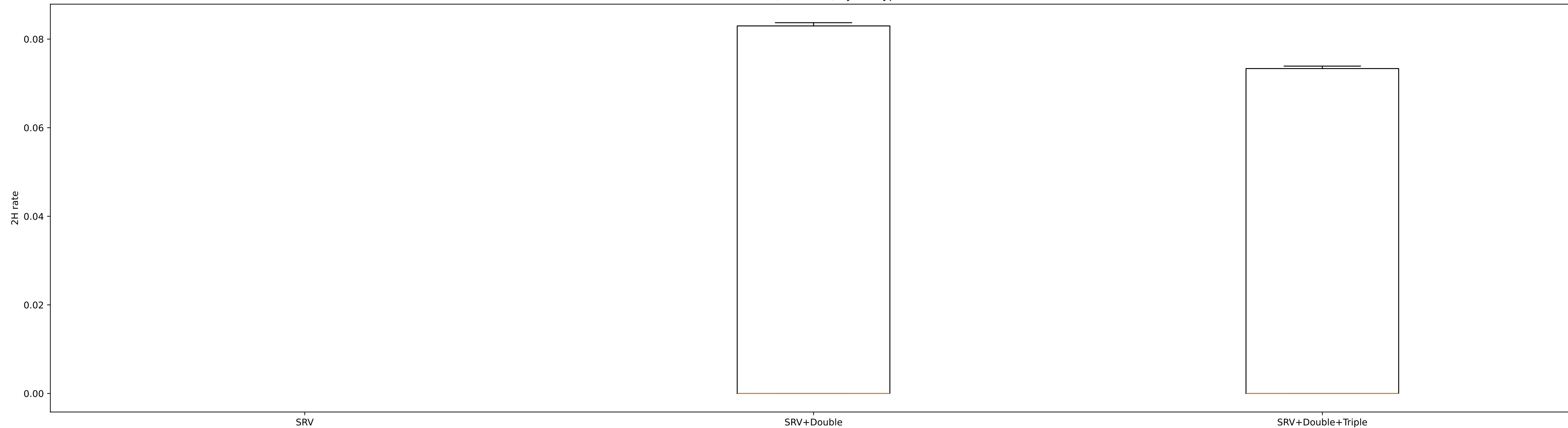
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.1648	0.1648	1.0	1.7	1.63	1.71	0.4482	0.2544	10	nan	nan
0.1516	0.1516	0.1517	1.735	1.72	1.75	0.4479	0.2546	10	0.0	0.1095
0.1516	0.1515	0.1517	1.74	1.73	1.75	0.4482	0.2544	9	0.0	0.1094

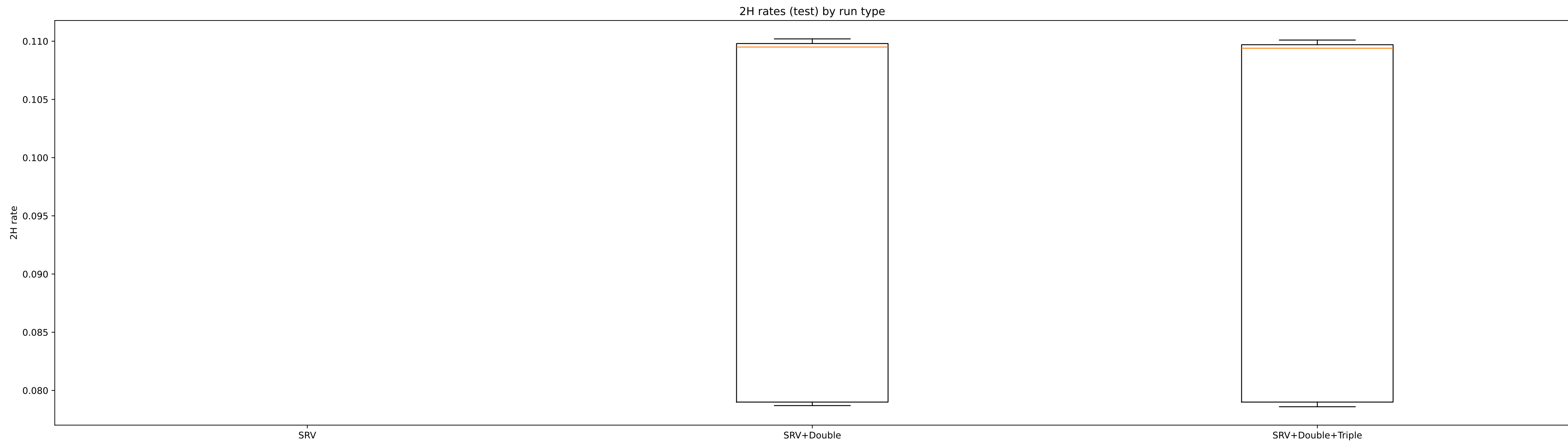
K (alternative) by run type





2H rates (reference) by run type





3H rates (reference) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.1648	1.71	0.4479	0.2546	
	2	1.0	1.63	0.4479	0.2546	
	3	0.1648	1.7	0.4482	0.2544	
	4	0.1648	1.69	0.4482	0.2544	
	5	0.1648	1.7	0.4479	0.2546	
	6	0.1648	1.69	0.4482	0.2544	
	7	0.1648	1.69	0.4482	0.2544	
	8	0.1648	1.7	0.4482	0.2544	
	9	0.1648	1.71	0.4482	0.2544	
	10	0.1648	1.7	0.4482	0.2544	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.1517	1.72	0.4476	0.2545	
	2	0.1516	1.72	0.4479	0.2546	
	3	0.1517	1.74	0.4479	0.2546	
	4	0.1516	1.72	0.4482	0.2544	
	5	0.1517	1.75	0.4479	0.2546	
	6	0.1516	1.74	0.4479	0.2546	
	7	0.1516	1.73	0.4482	0.2544	
	8	0.1516	1.74	0.4479	0.2546	
	9	0.1517	1.72	0.4482	0.2544	
	10	0.1516	1.74	0.4482	0.2544	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.1516	1.74	0.4482	0.2544	
	2	0.1517	1.74	0.4482	0.2544	
	3	0.1517	1.74	0.4482	0.2544	
	4	0.1516	1.74	0.4482	0.2544	
	5	0.1517	1.74	0.4482	0.2544	
	6	0.1515	1.75	0.4479	0.2546	
	7	0.1516	1.74	0.4479	0.2546	
	8	0.1516	1.74	0.4482	0.2544	
	9	0.1516	1.73	0.4482	0.2544	
	10	nan	nan	nan	nan	

	test	Negative selection	0.322	0.0	SRV+Double	
	test	Negative selection	0.397	100.0	SRV+Double	
	reference	Diversifying selection	1.201	0.0	SRV+Double	
	reference	Negative selection	0.443	74.343	SRV+Double	
	reference	Negative selection	0.451	25.657	SRV+Double	
	test	Diversifying selection	1.371	0.0	SRV+Double	
	test	Diversifying selection	1.201	0.0	SRV+Double	
	test	Negative selection	0.245	74.343	SRV+Double	
	test	Negative selection	0.254	25.657	SRV+Double	
	test	Negative selection	0.443	74.343	SRV+Double	
	test	Negative selection	0.451	25.657	SRV+Double	
	reference	Diversifying selection	2.417	0.0	SRV+Double	
	reference	Negative selection	0.366	0.0	SRV+Double	
	reference	Negative selection	0.398	100.0	SRV+Double	
	test	Diversifying selection	2.417	0.0	SRV+Double	
	test	Negative selection	0.366	0.0	SRV+Double	
	test	Negative selection	0.398	100.0	SRV+Double	
	reference	Diversifying selection	1.122	0.0	SRV+Double	
	reference	Negative selection	0.3	0.0	SRV+Double	
	reference	Negative selection	0.447	100.0	SRV+Double	
	test	Diversifying selection	1.224	0.0	SRV+Double	
	test	Diversifying selection	1.122	0.0	SRV+Double	
	test	Negative selection	0.122	0.0	SRV+Double	
	test	Negative selection	0.245	100.0	SRV+Double	
	test	Negative selection	0.3	0.0	SRV+Double	
	test	Negative selection	0.447	100.0	SRV+Double	
	reference	Diversifying selection	1.173	0.0	SRV+Double	
	reference	Negative selection	0.361	0.0	SRV+Double	
	reference	Negative selection	0.397	100.0	SRV+Double	
	test	Diversifying selection	1.173	0.0	SRV+Double	
	test	Negative selection	0.361	0.0	SRV+Double	
	test	Negative selection	0.397	100.0	SRV+Double	
	reference	Diversifying selection	1.204	0.0	SRV+Double	
	reference	Negative selection	0.002	0.0	SRV+Double	
	reference	Negative selection	0.447	100.0	SRV+Double	
	test	Diversifying selection	1.381	0.0	SRV+Double	
	test	Diversifying selection	1.204	0.0	SRV+Double	
	test	Negative selection	0.0	0.0	SRV+Double	
	test	Negative selection	0.245	100.0	SRV+Double	
	test	Negative selection	0.002	0.0	SRV+Double	
	test	Negative selection	0.447	100.0	SRV+Double	
	reference	Diversifying selection	1.216	0.0	SRV+Double	
	reference	Negative selection	0.328	0.0	SRV+Double	
	reference	Negative selection	0.398	100.0	SRV+Double	
	test	Diversifying selection	1.216	0.0	SRV+Double	
	test	Negative selection	0.328	0.0	SRV+Double	
	test	Negative selection	0.398	100.0	SRV+Double	
	reference	Diversifying selection	1.216	0.0	SRV+Double	
	reference	Negative selection	0.0	0.0	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.786	96.263	SRV	
	2	0.875	0.0	SRV	
	3	6.513	3.737	SRV	
	1	0.786	22.662	SRV	
	2	0.786	73.613	SRV	
	3	6.524	3.726	SRV	
	1	0.785	22.933	SRV	
	2	0.786	73.336	SRV	
	3	6.52	3.73	SRV	
	1	0.786	12.619	SRV	
	2	0.786	83.647	SRV	
	3	6.514	3.735	SRV	
	1	0.783	0.494	SRV	
	2	0.786	95.767	SRV	
	3	6.511	3.739	SRV	
	1	0.786	96.258	SRV	
	2	0.944	0.0	SRV	
	3	6.507	3.742	SRV	
	1	0.785	0.255	SRV	
	2	0.786	96.014	SRV	
	3	6.516	3.731	SRV	
	1	0.785	83.754	SRV	
	2	0.79	12.519	SRV	
	3	6.526	3.726	SRV	
	1	0.784	0.038	SRV	
	2	0.786	96.231	SRV	
	3	6.516	3.731	SRV	
	1	0.786	88.339	SRV	
	2	0.788	7.93	SRV	
	3	6.518	3.732	SRV	

	test	2H	0.1094	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0788	SRV+Double	
	test	2H	0.1099	SRV+Double	
	reference	2H	Multihit (2H/3H) rates (all) (cols 1-6/6) 0.083	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.1098	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0789	SRV+Double	
	test	2H	0.1095	SRV+Double	
	reference	2H	0.0735	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1098	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0791	SRV+Double+Triple	
	test	2H	0.1097	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0737	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1092	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0788	SRV+Double+Triple	
	test	2H	0.1097	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0736	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1096	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0789	SRV+Double+Triple	
	test	2H	0.1094	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0733	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1092	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0788	SRV+Double+Triple	
	test	2H	0.1099	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	