

# RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

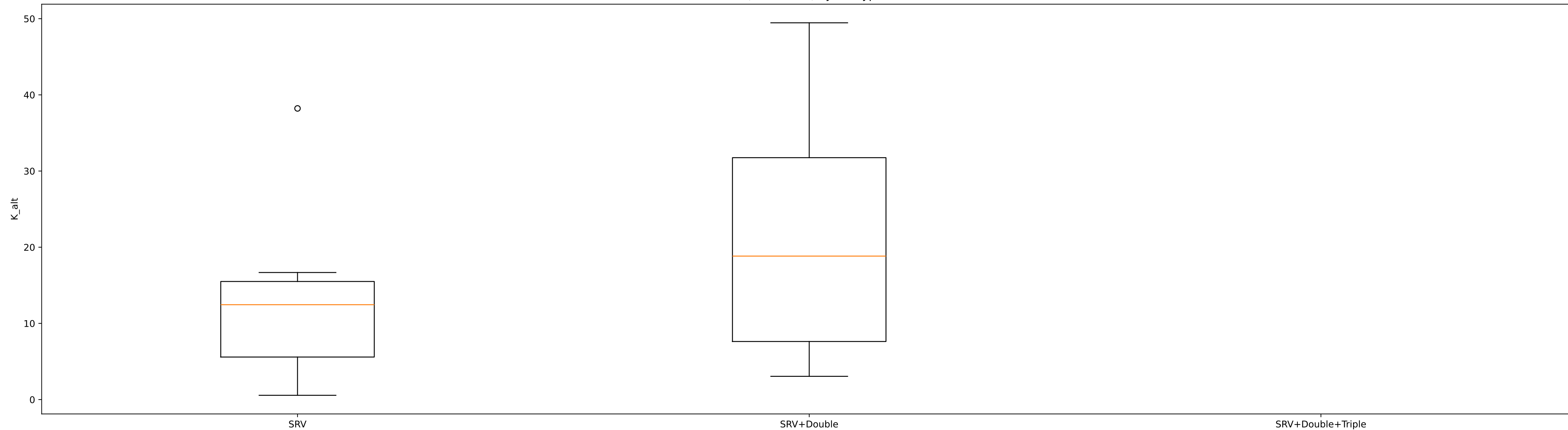
Includes:

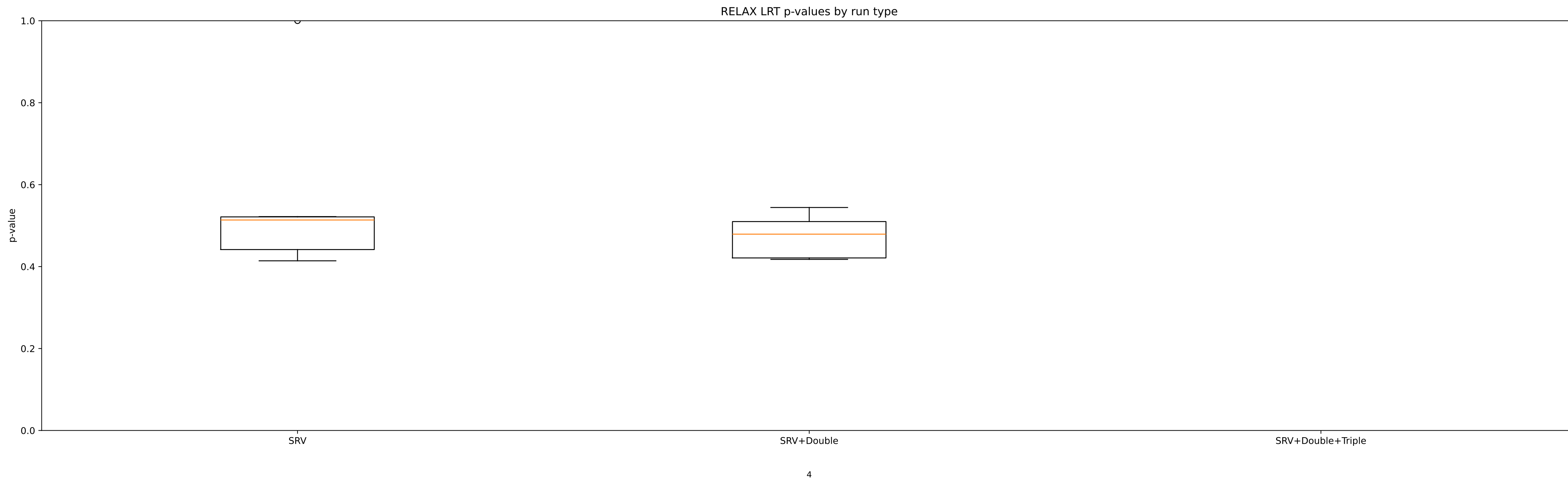
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

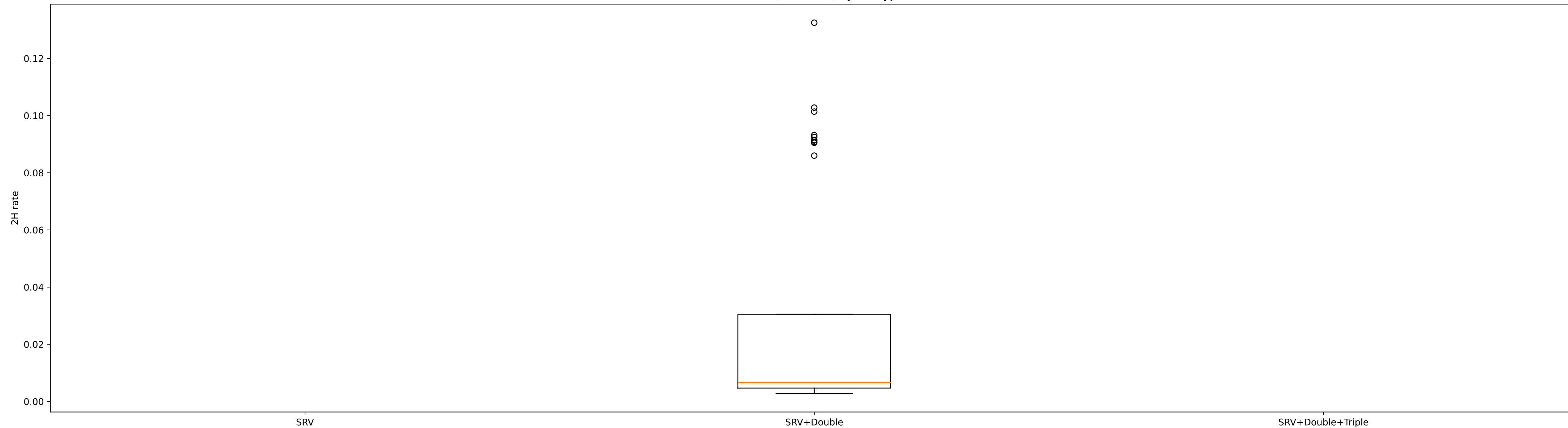
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.5137	0.4141	1.0	12.455	0.56	38.22	0.2655	0.1589	10	nan	nan
0.4792	0.4176	0.5442	18.835	3.05	49.46	0.2655	0.1589	10	0.0066	0.0
nan	nan	nan	nan	nan	nan	nan	nan	0	nan	nan

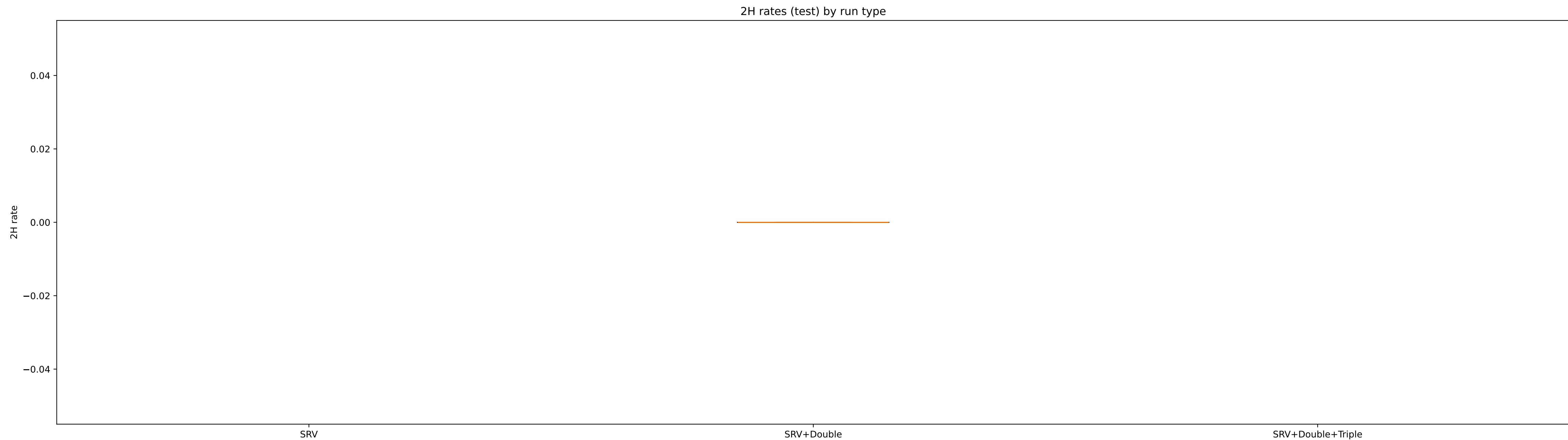
K (alternative) by run type





2H rates (reference) by run type





No 3H rates available

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.522	11.83	0.2655	0.1589	
	2	0.5082	15.56	0.2655	0.1589	
	3	0.5201	12.25	0.2655	0.1589	
	4	0.4172	3.5	0.2655	0.1587	
	5	0.4193	38.22	0.2655	0.1589	
	6	1.0	0.56	0.2655	0.1589	
	7	0.5191	16.68	0.2655	0.1589	
	8	0.5217	12.66	0.2655	0.1587	
	9	0.5083	15.33	0.2655	0.1589	
	10	0.4141	3.09	0.2655	0.1589	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.4176	3.05	0.2655	0.1589	
	2	0.421	4.97	0.2655	0.1589	
	3	0.4214	42.26	0.2655	0.1589	
	4	0.5442	49.46	0.2655	0.1589	
	5	0.513	15.49	0.2655	0.1589	
	6	0.5004	19.51	0.2655	0.1589	
	7	0.497	24.27	0.2655	0.1589	
	8	0.5145	18.16	0.2655	0.1589	
	9	0.4613	34.25	0.2655	0.1589	
	10	0.42	5.0	0.2655	0.1589	

	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		Negative s election	0.0	23.541	SRV	
	test		Negative s election	0.108	54.659	SRV	
	test		Neutral evolution	1.0	21.8	SRV	
	test		Neutral evolution	1.0	21.8	SRV	
	reference		Negative s election	0.0	24.53	SRV	
	reference		Negative s election	0.102	53.211	SRV	
	reference		Neutral evolution	1.0	22.26	SRV	
	test		Negative s election	0.0	24.53	SRV	
	test		Negative s election	0.102	53.211	SRV	
	test		Neutral evolution	1.0	22.26	SRV	
	reference		Diversifying selection	1.006	0.0	SRV	
	reference		Negative s election	0.0	63.868	SRV	
	reference		Negative s election	0.767	36.132	SRV	
	test		Diversifying selection	1.019	0.0	SRV	
	test		Diversifying selection	1.006	0.0	SRV	
	test		Negative s election	0.0	63.868	SRV	
	test		Negative s election	0.441	36.132	SRV	
	test		Negative s election	0.0	63.868	SRV	
	test		Negative s election	0.767	36.132	SRV	
	reference		Diversifying selection	1.676	0.0	SRV	
	reference		Negative s election	0.0	63.816	SRV	
	reference		Negative s election	0.76	36.184	SRV	
	test		Diversifying selection	1.676	0.0	SRV	
	test		Negative s election	0.0	63.816	SRV	
	test		Negative s election	0.76	36.184	SRV	
	reference		Diversifying selection	1.006	0.0	SRV+Double	
	reference		Negative s election	0.0	63.717	SRV+Double	
	reference		Negative s election	0.762	36.283	SRV+Double	
	test		Diversifying selection	1.018	0.0	SRV+Double	
	test		Diversifying selection	1.006	0.0	SRV+Double	
	test		Negative s election	0.0	63.717	SRV+Double	
	test		Negative s election	0.436	36.283	SRV+Double	
	test		Negative s election	0.0	63.717	SRV+Double	
	test		Negative s election	0.762	36.283	SRV+Double	
	reference		Diversifying selection	1.726	0.0	SRV+Double	
	reference		Negative s election	0.0	63.379	SRV+Double	
	reference		Negative s election	0.748	36.621	SRV+Double	
	test		Diversifying selection	1.726	0.0	SRV+Double	
	test		Negative s election	0.0	63.379	SRV+Double	
	test		Negative s election	0.748	36.621	SRV+Double	
	reference		Negative s election	0.0	61.66	SRV+Double	
	reference		Negative s election	0.549	23.312	SRV+Double	
	reference		Neutral evolution	1.0	15.028	SRV+Double	
	test		Negative s election	0.0	61.66	SRV+Double	
	test		Negative s election	0.051	23.312	SRV+Double	
	test		Negative s election	0.0	61.66	SRV+Double	
	test		Negative s election	0.549	23.312	SRV+Double	
	test		Neutral evolution	1.0	15.028	SRV+Double	
	test		Neutral evolution	1.0	15.028	SRV+Double	
	reference		Negative s election	0.0	61.579	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.647	43.849	SRV	
	2	0.683	27.043	SRV	
	3	1.826	29.109	SRV	
	1	0.657	44.713	SRV	
	2	0.667	26.151	SRV	
	3	1.825	29.136	SRV	
	1	0.646	38.23	SRV	
	2	0.678	32.585	SRV	
	3	1.823	29.185	SRV	
	1	0.659	43.217	SRV	
	2	0.677	28.607	SRV	
	3	1.851	28.176	SRV	
	1	0.644	32.566	SRV	
	2	0.685	39.125	SRV	
	3	1.845	28.308	SRV	
	1	0.662	32.012	SRV	
	2	0.668	39.52	SRV	
	3	1.842	28.468	SRV	
	1	0.656	44.67	SRV	
	2	0.667	26.151	SRV	
	3	1.825	29.18	SRV	
	1	0.65	44.865	SRV	
	2	0.681	26.057	SRV	
	3	1.826	29.078	SRV	
	1	0.638	22.676	SRV	
	2	0.672	48.226	SRV	
	3	1.826	29.097	SRV	
	1	0.661	46.629	SRV	
	2	0.677	25.296	SRV	
	3	1.854	28.075	SRV	

	test	2H	0.0	SRV+Double	
	reference	2H	0.0913	SRV+Double	
	reference	2H	0.004	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.006	SRV+Double	
	reference	2H	0.0043	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.086	SRV+Double	
	reference	2H	0.0039	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0049	SRV+Double	
	reference	2H	0.0039	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.1325	SRV+Double	
	reference	2H	0.0031	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0074	SRV+Double	
	reference	2H	0.0062	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0925	SRV+Double	
	reference	2H	0.0077	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0054	SRV+Double	
	reference	2H	0.0028	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0932	SRV+Double	
	reference	2H	0.0099	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0075	SRV+Double	
	reference	2H	0.005	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0908	SRV+Double	
	reference	2H	0.0093	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0068	SRV+Double	
	reference	2H	0.0042	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.1028	SRV+Double	
	reference	2H	0.0085	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0053	SRV+Double	
	reference	2H	0.0034	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0905	SRV+Double	
	reference	2H	0.012	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0082	SRV+Double	
	reference	2H	0.0048	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0915	SRV+Double	