

# RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

Includes:

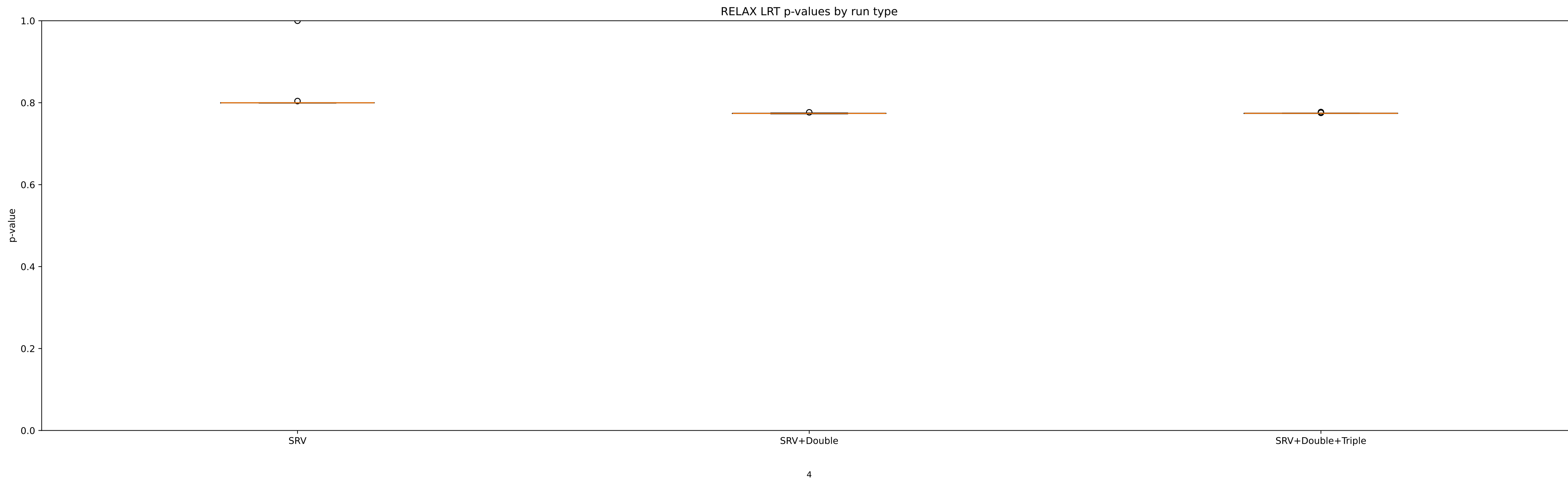
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

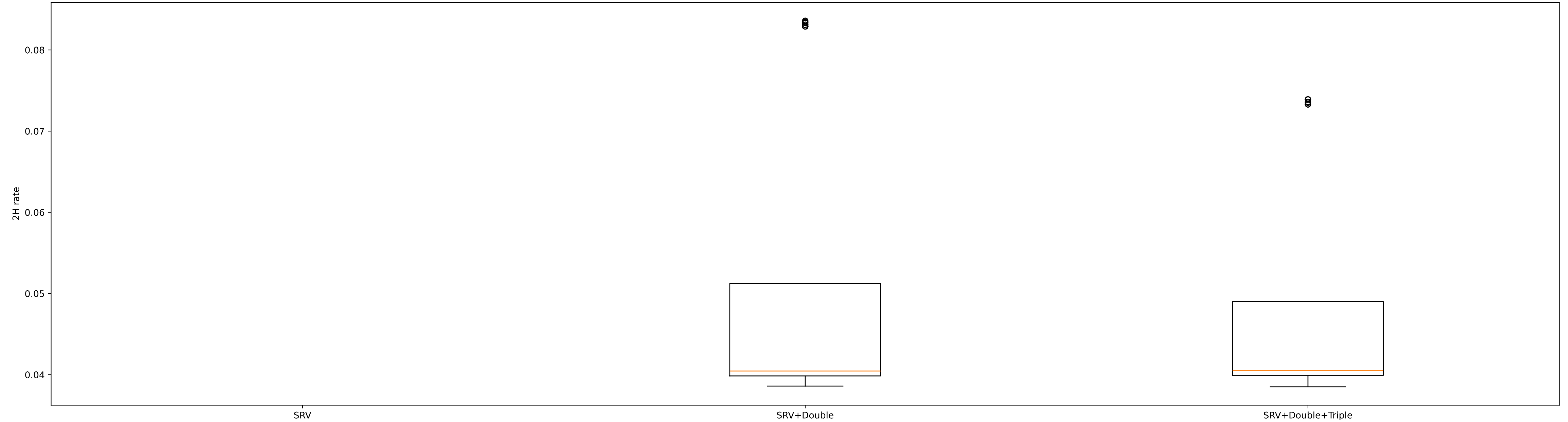
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.7998	0.7992	1.0	0.9	0.85	0.91	0.3916	0.4235	10	nan	nan
0.7738	0.7729	0.7765	0.9	0.89	0.9	0.3916	0.4235	10	0.0404	0.0
0.7741	0.7737	0.7772	0.9	0.89	0.9	0.3916	0.4235	9	0.0405	0.0

K (alternative) by run type



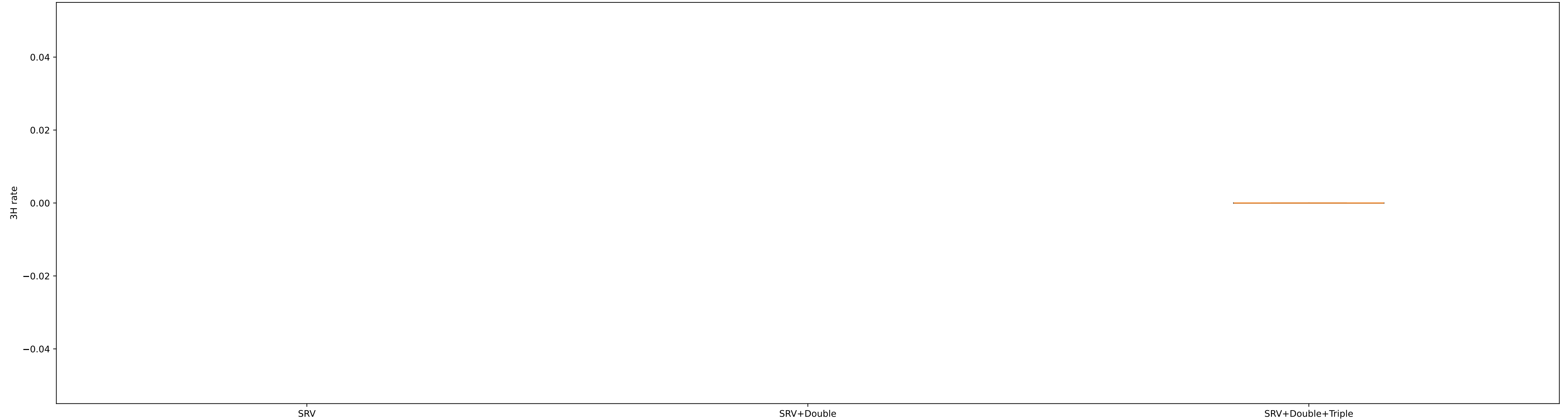


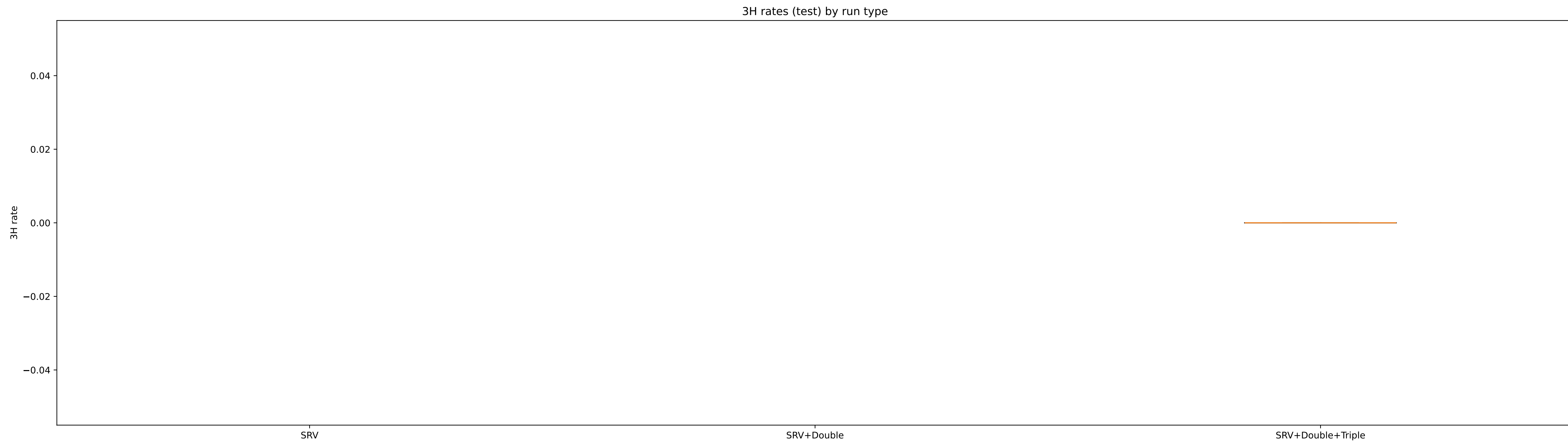
2H rates (reference) by run type





3H rates (reference) by run type







	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7998	0.9	0.3916	0.4235	
	2	0.804	0.89	0.3916	0.4235	
	3	0.7993	0.91	0.3916	0.4235	
	4	0.8001	0.9	0.3916	0.4235	
	5	0.7995	0.91	0.3916	0.4235	
	6	0.7992	0.9	0.3916	0.4235	
	7	0.7995	0.9	0.3916	0.4235	
	8	1.0	0.85	0.3916	0.4235	
	9	0.7998	0.91	0.3916	0.4235	
	10	0.7997	0.9	0.3916	0.4235	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7743	0.89	0.3916	0.4235	
	2	0.7738	0.9	0.3916	0.4235	
	3	0.7765	0.9	0.3916	0.4235	
	4	0.7749	0.9	0.3916	0.4235	
	5	0.7741	0.9	0.3916	0.4235	
	6	0.7736	0.89	0.3916	0.4235	
	7	0.7736	0.9	0.3916	0.4235	
	8	0.7735	0.9	0.3916	0.4235	
	9	0.7729	0.9	0.3916	0.4235	
	10	0.7738	0.89	0.3916	0.4235	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7752	0.9	0.3916	0.4235	
	2	0.774	0.9	0.3916	0.4235	
	3	0.7739	0.89	0.3916	0.4235	
	4	0.7741	0.9	0.3916	0.4235	
	5	0.7738	0.9	0.3916	0.4235	
	6	0.7741	0.9	0.3916	0.4235	
	7	0.7772	0.89	0.3916	0.4235	
	8	0.7737	0.89	0.3916	0.4235	
	9	0.7744	0.89	0.3916	0.4235	
	10	nan	nan	nan	nan	

	test	Negative selection	0.258	0.0	SRV+Double
	test	Negative selection	0.395	100.0	SRV+Double
	reference	Diversifying selection	3.44	0.0	SRV+Double
	reference	Negative selection	0.243	0.0	SRV+Double
	reference	Negative selection	0.384	100.0	SRV+Double
	test	Diversifying selection	3.047	0.0	SRV+Double
	test	Diversifying selection	3.44	0.0	SRV+Double
	test	Negative selection	0.279	0.0	SRV+Double
	test	Negative selection	0.422	100.0	SRV+Double
	test	Negative selection	0.243	0.0	SRV+Double
	test	Negative selection	0.384	100.0	SRV+Double
	reference	Diversifying selection	1.183	0.0	SRV+Double
	reference	Negative selection	0.188	0.0	SRV+Double
	reference	Negative selection	0.395	100.0	SRV+Double
	test	Diversifying selection	1.183	0.0	SRV+Double
	test	Negative selection	0.188	0.0	SRV+Double
	test	Negative selection	0.395	100.0	SRV+Double
	reference	Diversifying selection	1.015	0.0	SRV+Double
	reference	Negative selection	0.001	0.0	SRV+Double
	reference	Negative selection	0.384	100.0	SRV+Double
	test	Diversifying selection	1.014	0.0	SRV+Double
	test	Diversifying selection	1.015	0.0	SRV+Double
	test	Negative selection	0.003	0.0	SRV+Double
	test	Negative selection	0.424	100.0	SRV+Double
	test	Negative selection	0.001	0.0	SRV+Double
	test	Negative selection	0.384	100.0	SRV+Double
	reference	Diversifying selection	2.029	0.0	SRV+Double
	reference	Negative selection	0.003	0.0	SRV+Double
	reference	Negative selection	0.395	100.0	SRV+Double
	test	Diversifying selection	2.029	0.0	SRV+Double
	test	Negative selection	0.003	0.0	SRV+Double
	test	Negative selection	0.395	100.0	SRV+Double
	reference	Diversifying selection	1.326	0.0	SRV+Double
	reference	Negative selection	0.001	0.0	SRV+Double
	reference	Negative selection	0.384	100.0	SRV+Double
	test	Diversifying selection	1.288	0.0	SRV+Double
	test	Diversifying selection	1.326	0.0	SRV+Double
	test	Negative selection	0.003	0.0	SRV+Double
	test	Negative selection	0.425	100.0	SRV+Double
	test	Negative selection	0.001	0.0	SRV+Double
	test	Negative selection	0.384	100.0	SRV+Double
	reference	Diversifying selection	2.954	0.0	SRV+Double
	reference	Negative selection	0.003	0.0	SRV+Double
	reference	Negative selection	0.395	100.0	SRV+Double
	test	Diversifying selection	2.954	0.0	SRV+Double
	test	Negative selection	0.003	0.0	SRV+Double
	test	Negative selection	0.395	100.0	SRV+Double
	reference	Diversifying selection	1.123	0.0	SRV+Double
	reference	Negative selection	0.001	0.0	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.786	96.258	SRV	
	2	1.374	0.0	SRV	
	3	6.512	3.742	SRV	
	1	0.784	37.862	SRV	
	2	0.787	58.406	SRV	
	3	6.521	3.732	SRV	
	1	0.786	74.586	SRV	
	2	0.788	21.69	SRV	
	3	6.529	3.724	SRV	
	1	0.786	81.404	SRV	
	2	0.788	14.86	SRV	
	3	6.517	3.736	SRV	
	1	0.785	72.343	SRV	
	2	0.789	23.924	SRV	
	3	6.52	3.733	SRV	
	1	0.786	82.237	SRV	
	2	0.786	14.027	SRV	
	3	6.519	3.736	SRV	
	1	0.785	72.344	SRV	
	2	0.788	23.917	SRV	
	3	6.515	3.739	SRV	
	1	0.786	21.332	SRV	
	2	0.786	74.92	SRV	
	3	6.506	3.747	SRV	
	1	0.785	53.733	SRV	
	2	0.787	42.532	SRV	
	3	6.521	3.735	SRV	
	1	0.785	74.886	SRV	
	2	0.787	21.378	SRV	
	3	6.52	3.737	SRV	

	test	2H	0.0	SRV+Double	
	reference	2H	0.0387	SRV+Double	
	reference	2H	0.0406	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0829	SRV+Double	
	reference	2H	0.0406	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0387	SRV+Double	
	reference	2H	0.0406	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0736	SRV+Double+Triple	
	reference	2H	0.0403	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0386	SRV+Double+Triple	
	reference	2H	0.0406	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0733	SRV+Double+Triple	
	reference	2H	0.0408	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0387	SRV+Double+Triple	
	reference	2H	0.0406	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0733	SRV+Double+Triple	
	reference	2H	0.0405	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0386	SRV+Double+Triple	
	reference	2H	0.0404	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0739	SRV+Double+Triple	
	reference	2H	0.0403	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0387	SRV+Double+Triple	
	reference	2H	0.0406	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	