

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

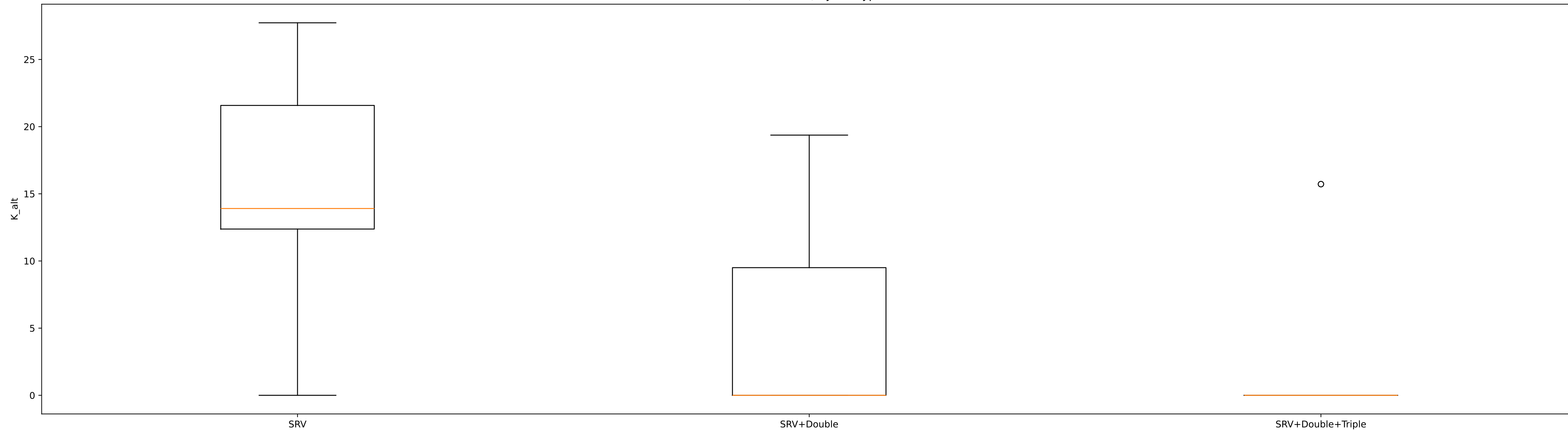
Includes:

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

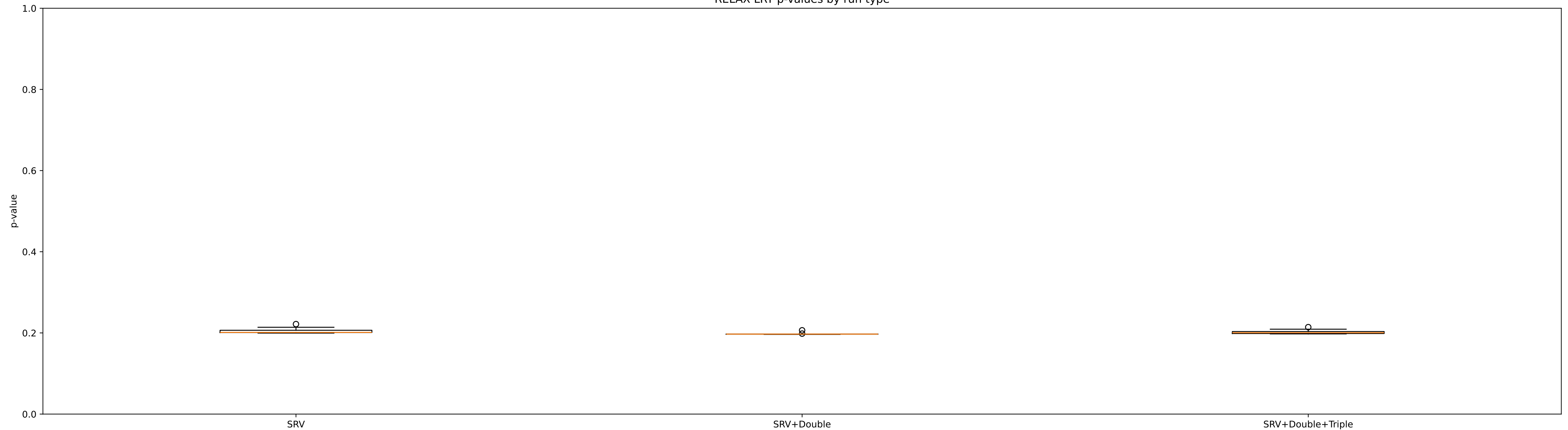
Run-type summary statistics

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
0.2013	0.1996	0.2217	13.905	0.0	27.73	0.2691	1.124	10	nan	nan
0.1971	0.1964	0.2064	0.0	0.0	19.37	0.2691	1.124	10	0.0	0.0
0.2004	0.1976	0.2142	0.0	0.0	15.72	0.2691	1.124	10	0.0	0.0

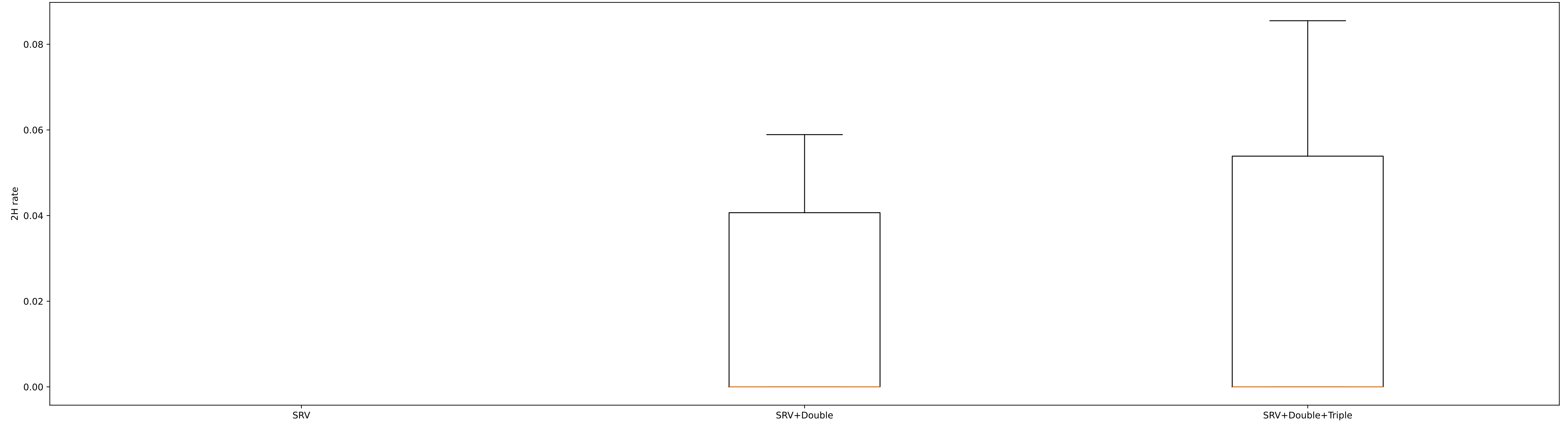
K (alternative) by run type



RELAX LRT p-values by run type



2H rates (reference) by run type

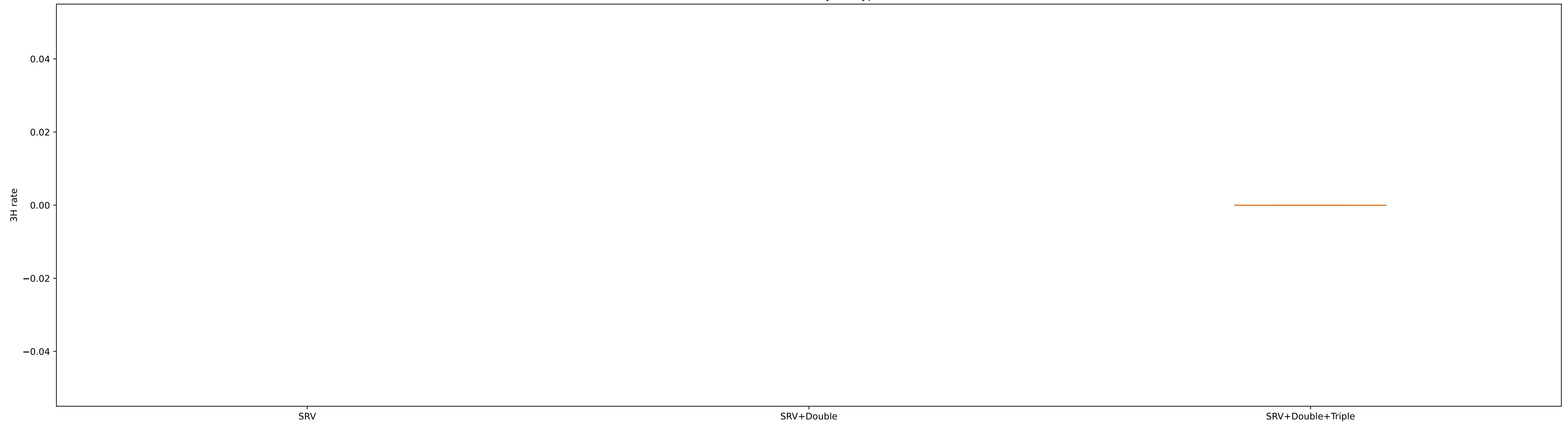




3H rates (reference) by run type



3H rates (test) by run type



	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2217	0.0	0.2693	1.1286	
	2	0.2012	0.0	0.2691	1.124	
	3	0.2015	14.02	0.2691	1.124	
	4	0.2009	13.79	0.2691	1.124	
	5	0.2139	21.13	0.2691	1.124	
	6	0.1996	21.73	0.2691	1.124	
	7	0.2008	27.73	0.2691	1.124	
	8	0.2082	12.49	0.2691	1.124	
	9	0.2014	23.95	0.2691	1.124	
	10	0.2012	12.34	0.2691	1.124	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.197	14.41	0.2691	1.124	
	2	0.1968	0.0	0.2691	1.124	
	3	0.2064	12.67	0.2691	1.124	
	4	0.1972	0.0	0.2691	1.124	
	5	0.1983	0.0	0.2691	1.124	
	6	0.1973	0.0	0.2691	1.124	
	7	0.197	19.37	0.2691	1.124	
	8	0.1964	0.0	0.2691	1.124	
	9	0.1967	0.0	0.2691	1.124	
	10	0.1972	0.0	0.2691	1.124	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2037	15.72	0.2691	1.124	
	2	0.198	0.0	0.2691	1.124	
	3	0.1986	0.0	0.2691	1.124	
	4	0.2025	0.0	0.2691	1.124	
	5	0.2002	0.0	0.2691	1.124	
	6	0.2006	0.0	0.2691	1.124	
	7	0.1985	0.0	0.2691	1.124	
	8	0.1976	0.0	0.2691	1.124	
	9	0.2142	0.0	0.2691	1.124	
	10	0.2092	0.0	0.2691	1.124	

	test	Neutral evolution	1.0	21.379	SRV+Double	
	test	Neutral evolution	1.0	63.088	SRV+Double	
	test	Neutral evolution	1.0	15.533	SRV+Double	
	test	Neutral evolution	1.0	15.533	SRV+Double	
	reference	Negative selection	Ω-class distributions (all) (cols 1-7/7)	63.042	SRV+Double	
	reference	Negative selection		21.249	SRV+Double	
	reference	Neutral evolution		15.709	SRV+Double	
	test	Negative selection		63.042	SRV+Double	
	test	Negative selection		21.249	SRV+Double	
	test	Neutral evolution		15.709	SRV+Double	
	reference	Negative selection		63.511	SRV+Double	
	reference	Negative selection		21.222	SRV+Double	
	reference	Neutral evolution		15.267	SRV+Double	
	test	Negative selection		63.511	SRV+Double	
	test	Negative selection		21.222	SRV+Double	
	test	Neutral evolution		21.222	SRV+Double	
	test	Neutral evolution	1.0	63.511	SRV+Double	
	test	Neutral evolution	1.0	15.267	SRV+Double	
	test	Neutral evolution	1.0	15.267	SRV+Double	
	reference	Negative selection	0.0	63.341	SRV+Double	
	reference	Negative selection	0.614	21.256	SRV+Double	
	reference	Neutral evolution	1.0	15.403	SRV+Double	
	test	Negative selection	0.0	63.341	SRV+Double	
	test	Negative selection	0.614	21.256	SRV+Double	
	test	Neutral evolution	1.0	15.403	SRV+Double	
	reference	Negative selection	0.0	63.401	SRV+Double	
	reference	Negative selection	0.626	22.5	SRV+Double	
	reference	Neutral evolution	1.0	14.099	SRV+Double	
	test	Negative selection	0.0	63.401	SRV+Double	
	test	Negative selection	0.626	22.5	SRV+Double	
	test	Neutral evolution	1.0	22.5	SRV+Double	
	test	Neutral evolution	1.0	63.401	SRV+Double	
	test	Neutral evolution	1.0	14.099	SRV+Double	
	test	Neutral evolution	1.0	14.099	SRV+Double	
	reference	Negative selection	0.0	63.22	SRV+Double	
	reference	Negative selection	0.628	22.512	SRV+Double	
	reference	Neutral evolution	1.0	14.268	SRV+Double	
	test	Negative selection	0.0	63.22	SRV+Double	
	test	Negative selection	0.628	22.512	SRV+Double	
	test	Neutral evolution	1.0	14.268	SRV+Double	
	reference	Diversifying selection	1.147	7.89	SRV+Double	
	reference	Negative selection	0.0	63.161	SRV+Double	
	reference	Negative selection	0.665	28.949	SRV+Double	
	test	Diversifying selection	14.146	7.89	SRV+Double	
	test	Diversifying selection	1.147	7.89	SRV+Double	
	test	Negative selection	0.0	63.161	SRV+Double	
	test	Negative selection	0.0	28.949	SRV+Double	
	test	Negative selection	0.0	63.161	SRV+Double	
	test	Negative selection	12 0.665	28.949	SRV+Double	
	reference	Negative selection	0.0	63.92	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	2.648	SRV	
	2	0.819	89.923	SRV	
	3	3.547	7.43	SRV	
	1	0.747	71.771	SRV	
	2	0.878	19.321	SRV	
	3	3.301	8.908	SRV	
	1	0.0	2.681	SRV	
	2	0.818	89.799	SRV	
	3	3.524	7.52	SRV	
	1	0.0	2.692	SRV	
	2	0.819	89.862	SRV	
	3	3.542	7.446	SRV	
	1	0.773	91.099	SRV	
	2	2.586	1.28	SRV	
	3	3.443	7.622	SRV	
	1	0.772	90.988	SRV	
	2	2.851	1.196	SRV	
	3	3.374	7.816	SRV	
	1	0.732	87.227	SRV	
	2	2.492	12.293	SRV	
	3	11.543	0.48	SRV	
	1	0.728	86.63	SRV	
	2	2.401	12.839	SRV	
	3	11.459	0.53	SRV	
	1	0.732	87.308	SRV	
	2	2.5	12.219	SRV	
	3	11.648	0.473	SRV	
	1	0.0	2.695	SRV	
	2	0.819	89.836	SRV	
	3	3.541	7.468	SRV	

	reference	2H	0.0499	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0532	SRV+Double+Triple	
	reference	2H	0.0	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	0.0	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	0.0582	SRV+Double+Triple	
	reference	2H	0.0	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	0.0	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	0.0562	SRV+Double+Triple	
	reference	2H	0.0	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	0.0	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	0.0702	SRV+Double+Triple	
	reference	2H	0.0	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	0.0	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	0.0551	SRV+Double+Triple	
	reference	2H	0.0	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	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	