

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

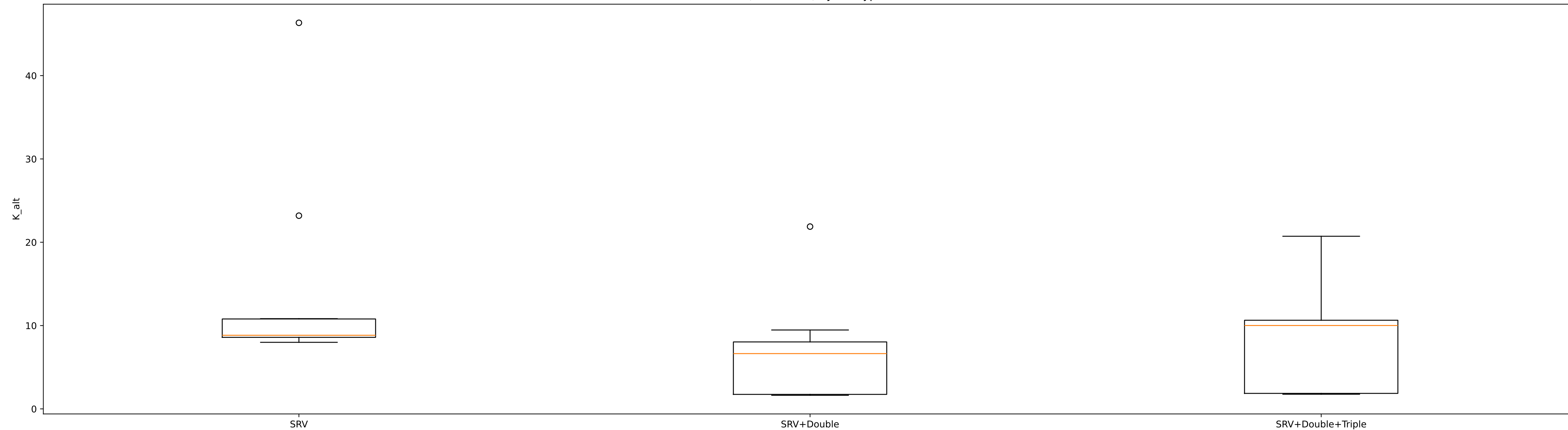
Includes:

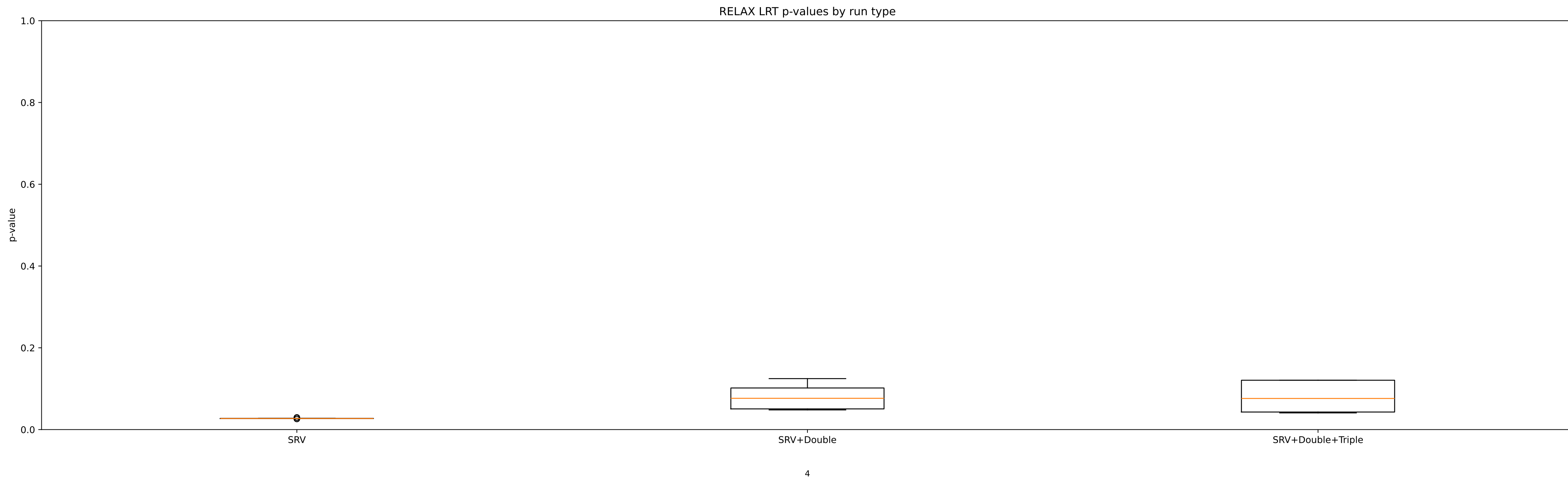
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

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
0.027	0.026	0.0297	8.835	7.99	46.34	0.238	0.1773	10	nan	nan
0.0764	0.0481	0.1246	6.635	1.63	21.88	0.238	0.1773	10	0.0	0.0
0.0761	0.0408	0.1208	10.01	1.76	20.72	0.238	0.1773	9	0.0	0.0

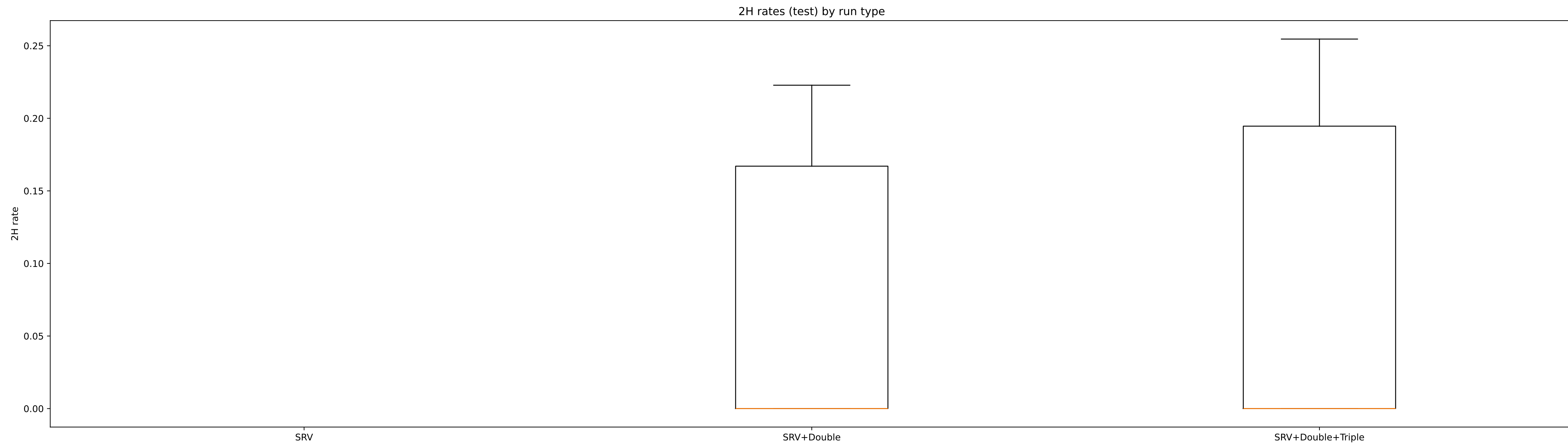
K (alternative) by run type



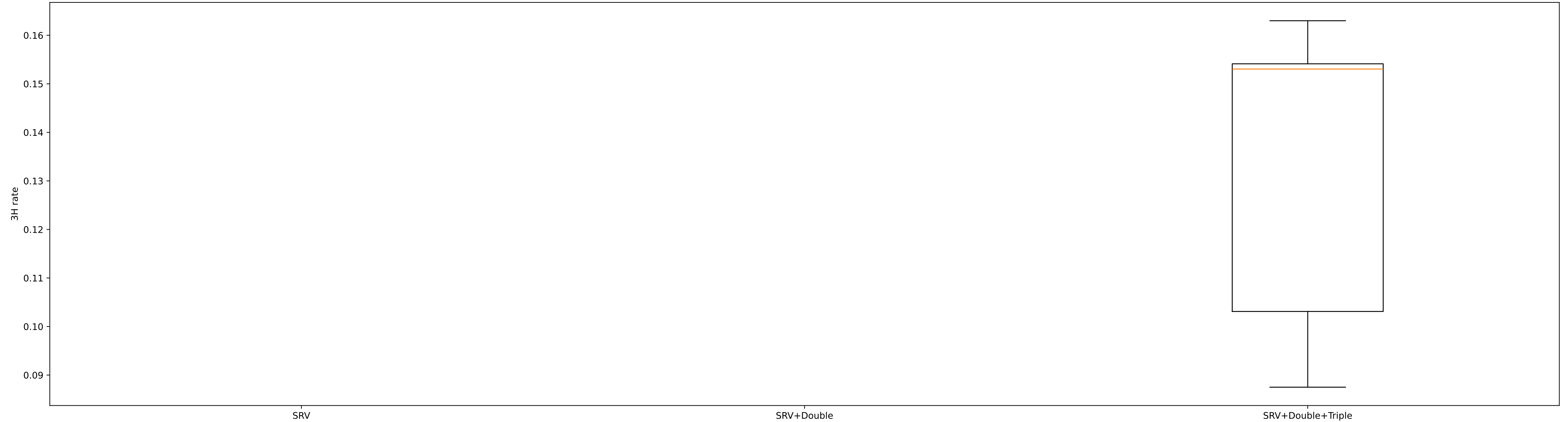


2H rates (reference) by run type





3H rates (reference) by run type



3H rates (test) by run type



	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.027	8.63	0.238	0.1773	
	2	0.0275	7.99	0.238	0.1773	
	3	0.0269	8.91	0.238	0.1773	
	4	0.0294	23.19	0.238	0.1773	
	5	0.0297	46.34	0.238	0.1773	
	6	0.0261	10.68	0.238	0.1773	
	7	0.026	10.83	0.238	0.1773	
	8	0.0272	8.41	0.238	0.1773	
	9	0.0269	8.76	0.238	0.1773	
	10	0.0271	8.57	0.238	0.1773	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0481	9.47	0.238	0.1773	
	2	0.1002	1.63	0.238	0.1773	
	3	0.0503	7.58	0.238	0.1773	
	4	0.0494	8.19	0.238	0.1773	
	5	0.0514	6.93	0.238	0.1773	
	6	0.1012	1.67	0.238	0.1773	
	7	0.1246	21.88	0.238	0.1773	
	8	0.0527	6.34	0.238	0.1773	
	9	0.1027	1.8	0.238	0.1773	
	10	0.1019	1.72	0.238	0.1773	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0761	20.72	0.238	0.1773	
	2	nan	nan	0.238	0.1773	
	3	0.1207	1.87	0.238	0.1773	
	4	0.0426	10.64	0.238	0.1773	
	5	0.1208	1.81	0.238	0.1773	
	6	0.0408	12.91	0.238	0.1773	
	7	0.0432	10.01	0.238	0.1773	
	8	0.0429	10.35	0.238	0.1773	
	9	0.1204	1.76	0.238	0.1773	
	10	0.1207	1.86	0.238	0.1773	

	test	Negative selection	0.212	99.553	SRV+Double
	test	Negative selection	0.213	0.394	SRV+Double
	reference	Diversifying selection	1.169	6.188	SRV+Double
	reference	Negative selection	0.181	29.576	SRV+Double
	reference	Negative selection	0.184	64.236	SRV+Double
	test	Diversifying selection	3.605	6.188	SRV+Double
	test	Diversifying selection	1.169	6.188	SRV+Double
	test	Negative selection	0.0	29.576	SRV+Double
	test	Negative selection	0.0	64.236	SRV+Double
	test	Negative selection	0.181	29.576	SRV+Double
	test	Negative selection	0.184	64.236	SRV+Double
	reference	Diversifying selection	24.961	0.052	SRV+Double
	reference	Negative selection	0.21	0.424	SRV+Double
	reference	Negative selection	0.212	99.524	SRV+Double
	test	Diversifying selection	24.961	0.052	SRV+Double
	test	Negative selection	0.21	0.424	SRV+Double
	test	Negative selection	0.212	99.524	SRV+Double
	reference	Diversifying selection	1.202	6.195	SRV+Double
	reference	Negative selection	0.181	39.065	SRV+Double
	reference	Negative selection	0.182	54.74	SRV+Double
	test	Diversifying selection	3.577	6.195	SRV+Double
	test	Diversifying selection	1.202	6.195	SRV+Double
	test	Negative selection	0.0	39.065	SRV+Double
	test	Negative selection	0.0	54.74	SRV+Double
	test	Negative selection	0.181	39.065	SRV+Double
	test	Negative selection	0.182	54.74	SRV+Double
	reference	Diversifying selection	24.855	0.052	SRV+Double
	reference	Negative selection	0.212	99.094	SRV+Double
	reference	Negative selection	0.218	0.853	SRV+Double
	test	Diversifying selection	24.855	0.052	SRV+Double
	test	Negative selection	0.212	99.094	SRV+Double
	test	Negative selection	0.218	0.853	SRV+Double
	reference	Diversifying selection	2.375	2.719	SRV+Double
	reference	Negative selection	0.195	12.28	SRV+Double
	reference	Negative selection	0.195	85.001	SRV+Double
	test	Diversifying selection	4.247	2.719	SRV+Double
	test	Diversifying selection	2.375	2.719	SRV+Double
	test	Negative selection	0.065	12.28	SRV+Double
	test	Negative selection	0.065	85.001	SRV+Double
	test	Negative selection	0.195	12.28	SRV+Double
	test	Negative selection	0.195	85.001	SRV+Double
	reference	Diversifying selection	24.726	0.052	SRV+Double
	reference	Negative selection	0.212	99.506	SRV+Double
	reference	Negative selection	0.214	0.442	SRV+Double
	test	Diversifying selection	24.726	0.052	SRV+Double
	test	Negative selection	0.212	99.506	SRV+Double
	test	Negative selection	0.214	0.442	SRV+Double
	reference	Diversifying selection	1.202	0.0	SRV+Double
	reference	Negative selection	0.233	92.936	SRV+Double
	reference	Negative selection	0.233	92.936	SRV+Double

SRV rate classes (all) (cols 1-6/6)					
	class_id	syn_rate	proportion_per cent	run_type	
	1	0.888	81.265	SRV	
	2	0.889	16.95	SRV	
	3	7.143	1.785	SRV	
	1	0.889	98.222	SRV	
	2	7.135	0.167	SRV	
	3	7.16	1.611	SRV	
	1	0.888	81.639	SRV	
	2	0.89	16.58	SRV	
	3	7.15	1.78	SRV	
	1	0.888	8.699	SRV	
	2	0.893	89.85	SRV	
	3	8.308	1.45	SRV	
	1	0.886	10.528	SRV	
	2	0.886	87.639	SRV	
	3	7.086	1.832	SRV	
	1	0.892	91.056	SRV	
	2	0.898	7.497	SRV	
	3	8.306	1.447	SRV	
	1	0.887	89.056	SRV	
	2	0.887	9.116	SRV	
	3	7.084	1.828	SRV	
	1	0.889	82.433	SRV	
	2	0.889	15.788	SRV	
	3	7.147	1.779	SRV	
	1	0.886	9.771	SRV	
	2	0.889	88.454	SRV	
	3	7.158	1.775	SRV	
	1	0.0	0.137	SRV	
	2	0.89	98.102	SRV	
	3	7.185	1.761	SRV	
	1	0.888	76.767	SRV	
	2	0.893	21.472	SRV	
	3	7.175	1.761	SRV	
	1	0.888	87.792	SRV	
	2	0.894	10.428	SRV	
	3	7.164	1.779	SRV	

	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.102	SRV+Double+Triple	
	reference	3H	0.1541	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	0.1526	SRV+Double+Triple	
	reference	3H	0.1539	SRV+Double+Triple	
	test	2H	0.2546	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	0.103	SRV+Double+Triple	
	reference	3H	0.0875	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	0.163	SRV+Double+Triple	
	reference	3H	0.1542	SRV+Double+Triple	
	test	2H	0.1944	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	0.1035	SRV+Double+Triple	
	reference	3H	0.1235	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	0.1628	SRV+Double+Triple	
	reference	3H	0.1536	SRV+Double+Triple	
	test	2H	0.1951	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	0.1033	SRV+Double+Triple	
	reference	3H	0.0881	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	0.1629	SRV+Double+Triple	
	reference	3H	0.1535	SRV+Double+Triple	
	test	2H	0.195	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	0.103	SRV+Double+Triple	
	reference	3H	0.1249	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	