RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple
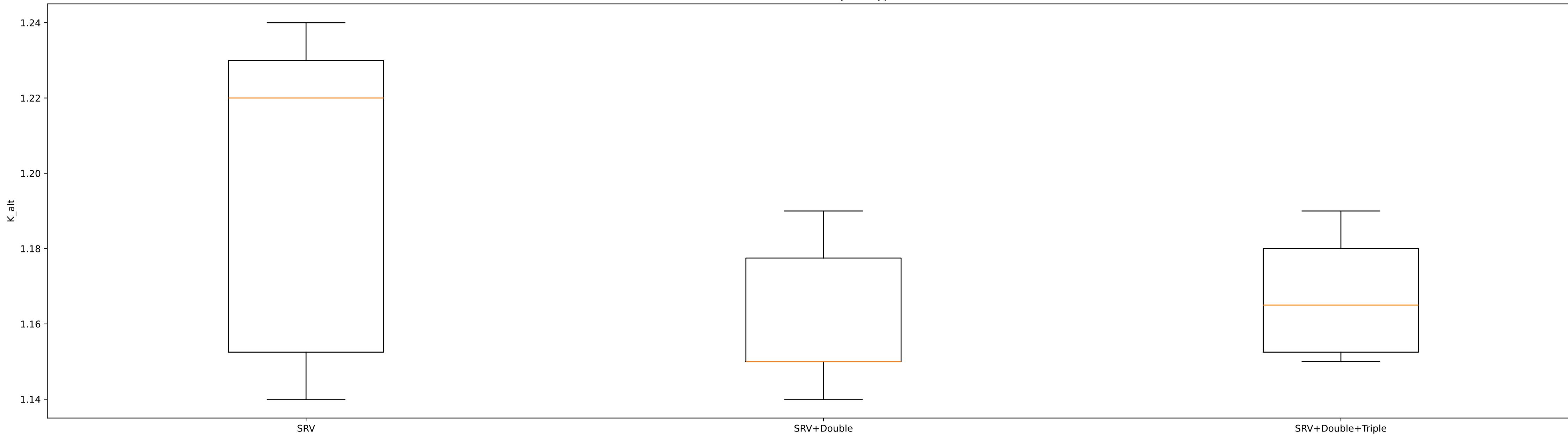
Includes:

- 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_median	omega_test_median	warnings_count	2H_reference_median	2H_test_median
0.1775	0.1756	0.2701	1.22	1.14	1.24	0.2489	0.2021	10	nan	nan
0.2264	0.2042	0.3839	1.15	1.14	1.19	0.2489	0.2021	10	0.0582	0.0358
0.2142	0.2049	0.4092	1.165	1.15	1.19	0.2489	0.2021	10	0.054	0.0375
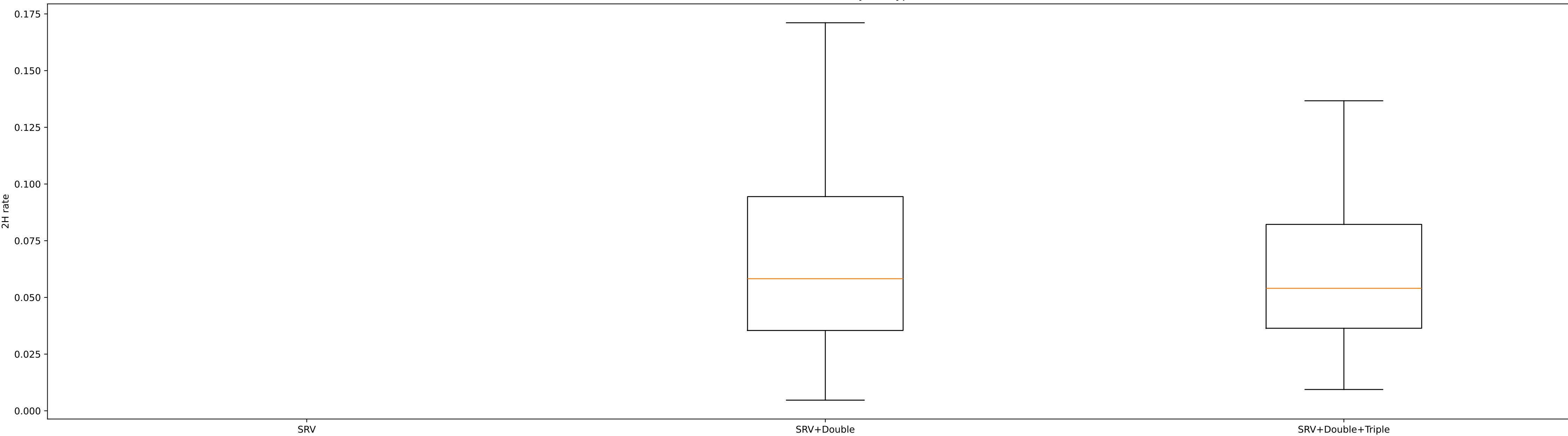
K (alternative) by run type
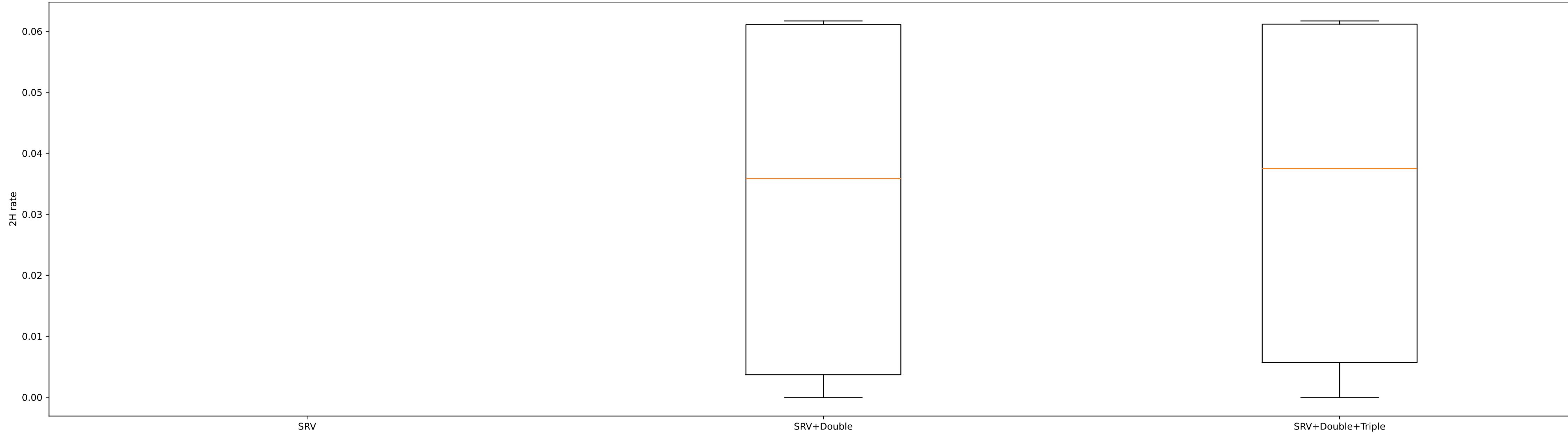
RELAX LRT p-values by run type

2H rates (reference) by run type
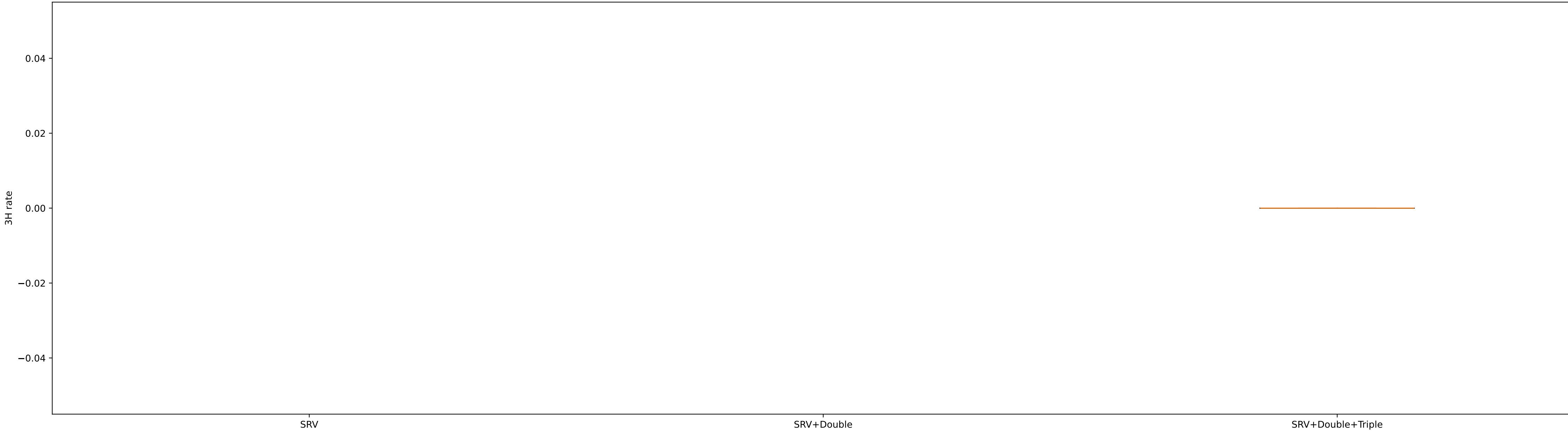
2H rates (test) by run type

3H rates (reference) by run type

SRV   SRV+Double   SRV+Double+Triple

3H rates (test) by run type

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.176	1.23	0.2489	0.2021	
	2	0.1761	1.23	0.2489	0.2021	
	3	0.2701	1.14	0.2489	0.2021	
	4	0.2613	1.15	0.2489	0.2021	
	5	0.1764	1.22	0.2489	0.2021	
	6	0.1756	1.24	0.2489	0.2021	
	7	0.1779	1.22	0.2489	0.2021	
	8	0.2546	1.15	0.2489	0.2021	
	9	0.1771	1.23	0.2489	0.2021	
	10	0.2486	1.16	0.2489	0.2021	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.221	1.15	0.2489	0.2021	
2	0.2457	1.15	0.2488	0.202	
3	0.2318	1.15	0.2489	0.2021	
4	0.2366	1.14	0.2489	0.2021	
5	0.208	1.17	0.2489	0.2021	
6	0.2042	1.19	0.2489	0.2021	
7	0.2099	1.18	0.2489	0.2021	
8	0.2074	1.18	0.2489	0.2021	
9	0.3839	1.15	0.2489	0.2021	
10	0.3824	1.15	0.2489	0.2021	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2171	1.15	0.2488	0.202	
	2	0.4092	1.15	0.2489	0.2021	
	3	0.2052	1.19	0.2489	0.2021	
	4	0.2114	1.19	0.2489	0.2021	
	5	0.2069	1.18	0.2489	0.2021	
	6	0.2232	1.16	0.2489	0.2021	
	7	0.2076	1.18	0.2489	0.2021	
	8	0.2283	1.15	0.2489	0.2021	
	9	0.2049	1.17	0.2489	0.2021	
	10	0.3647	1.16	0.2489	0.2021	

test	Negative selection	0.203	92.596	SRV+Double
test	Negative selection	0.406	5.504	SRV+Double
test	Neutral evolution	1.0	1.901	SRV+Double
test	Neutral evolution	1.0	1.901	SRV+Double
reference	Negative selection	0.18	87.629	SRV+Double
reference	Negative selection	0.467	10.906	SRV+Double
reference	Neutral evolution	1.0	1.466	SRV+Double
test	Negative selection	0.18	87.629	SRV+Double
test	Negative selection	0.467	10.906	SRV+Double
test	Neutral evolution	1.0	1.466	SRV+Double
reference	Diversifying selection	1.006	0.0	SRV+Double
reference	Negative selection	0.0	16.694	SRV+Double
reference	Negative selection	0.275	83.306	SRV+Double
test	Diversifying selection	1.007	0.0	SRV+Double
test	Diversifying selection	1.006	0.0	SRV+Double
test	Negative selection	0.0	16.694	SRV+Double
test	Negative selection	0.222	83.306	SRV+Double
test	Negative selection	0.0	16.694	SRV+Double
test	Negative selection	0.275	83.306	SRV+Double
reference	Diversifying selection	1.913	0.0	SRV+Double
reference	Negative selection	0.0	17.692	SRV+Double
reference	Negative selection	0.269	82.308	SRV+Double
test	Diversifying selection	1.913	0.0	SRV+Double
test	Negative selection	0.0	17.692	SRV+Double
test	Negative selection	0.269	82.308	SRV+Double
reference	Diversifying selection	1.119	0.0	SRV+Double
reference	Negative selection	0.0	23.532	SRV+Double
reference	Negative selection	0.304	76.468	SRV+Double
test	Diversifying selection	1.144	0.0	SRV+Double
test	Diversifying selection	1.119	0.0	SRV+Double
test	Negative selection	0.0	23.532	SRV+Double
test	Negative selection	0.243	76.468	SRV+Double
test	Negative selection	0.0	23.532	SRV+Double
test	Negative selection	0.304	76.468	SRV+Double
reference	Diversifying selection	1.744	0.0	SRV+Double
reference	Negative selection	0.005	24.042	SRV+Double
reference	Negative selection	0.291	75.958	SRV+Double
test	Diversifying selection	1.744	0.0	SRV+Double
test	Negative selection	0.005	24.042	SRV+Double
test	Negative selection	0.291	75.958	SRV+Double
reference	Diversifying selection	1.992	0.0	SRV+Double
reference	Negative selection	0.0	22.044	SRV+Double
reference	Negative selection	0.298	77.956	SRV+Double
test	Diversifying selection	2.259	0.0	SRV+Double
test	Diversifying selection	1.992	0.0	SRV+Double
test	Negative selection	0.0	22.044	SRV+Double
test	Negative selection	0.238	77.956	SRV+Double
test	Negative selection	0.0	22.044	SRV+Double
test	Negative selection	0.298	77.956	SRV+Double
reference	Diversifying selection	3.422	0.0	SRV+Double

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

class_id	syn_rate	proportion_per cent	run_type
1	0.694	83.844	SRV
2	2.242	14.447	SRV
3	5.505	1.709	SRV
1	0.692	83.684	SRV
2	2.232	14.59	SRV
3	5.501	1.726	SRV
1	0.694	83.791	SRV
2	2.224	14.421	SRV
3	5.455	1.789	SRV
1	0.695	84.034	SRV
2	2.25	14.23	SRV
3	5.504	1.736	SRV
1	0.694	83.839	SRV
2	2.255	14.556	SRV
3	5.608	1.604	SRV
1	0.692	83.461	SRV
2	2.205	14.741	SRV
3	5.425	1.798	SRV
1	0.695	83.983	SRV
2	2.268	14.441	SRV
3	5.662	1.576	SRV
1	0.694	83.756	SRV
2	2.228	14.509	SRV
3	5.501	1.736	SRV
1	0.694	83.729	SRV
2	2.231	14.542	SRV
3	5.483	1.729	SRV
1	0.698	84.33	SRV
2	2.289	14.071	SRV
3	5.599	1.599	SRV

test	2H	0.0494	SRV+Double	
reference	2H	0.0547	SRV+Double	
reference	2H	0.0104	SRV+Double	
test	2H	0.0024	SRV+Double	
test	2H	0.0614	SRV+Double	
reference	2H	0.1306	SRV+Double+Triple	
reference	2H	0.0575	SRV+Double+Triple	
reference	3H	0.0	SRV+Double+Triple	
test	2H	0.041	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.0608	SRV+Double+Triple	
reference	2H	0.0094	SRV+Double+Triple	
reference	3H	0.0	SRV+Double+Triple	
test	2H	0.0102	SRV+Double+Triple	
test	2H	0.0616	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.1367	SRV+Double+Triple	
reference	2H	0.0694	SRV+Double+Triple	
reference	3H	0.0	SRV+Double+Triple	
test	2H	0.052	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.0513	SRV+Double+Triple	
reference	2H	0.0205	SRV+Double+Triple	
reference	3H	0.0	SRV+Double+Triple	
test	2H	0.0	SRV+Double+Triple	
test	2H	0.0616	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.1313	SRV+Double+Triple	
reference	2H	0.0417	SRV+Double+Triple	
reference	3H	0.0	SRV+Double+Triple	
test	2H	0.0291	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.0495	SRV+Double+Triple	
reference	2H	0.0172	SRV+Double+Triple	
reference	3H	0.0	SRV+Double+Triple	
test	2H	0.0	SRV+Double+Triple	
test	2H	0.0617	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.1194	SRV+Double+Triple	
reference	2H	0.0439	SRV+Double+Triple	
reference	3H	0.0	SRV+Double+Triple	
test	2H	0.0251	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.0544	SRV+Double+Triple	
reference	2H	0.0125	SRV+Double+Triple	
reference	3H	0.0	SRV+Double+Triple	
test	2H	0.0	SRV+Double+Triple	
test	2H	0.0617	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.1321	SRV+Double+Triple	