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
0.772	0.7704	0.7773	0.69	0.69	17.16	0.2646	0.3995	10	nan	nan
0.7714	0.7706	0.7757	0.69	0.69	0.69	0.2646	0.3995	10	0.0	0.0
0.7884	0.7876	0.7907	0.71	0.71	0.71	0.2646	0.3995	10	0.0	0.0

K (alternative) by run type
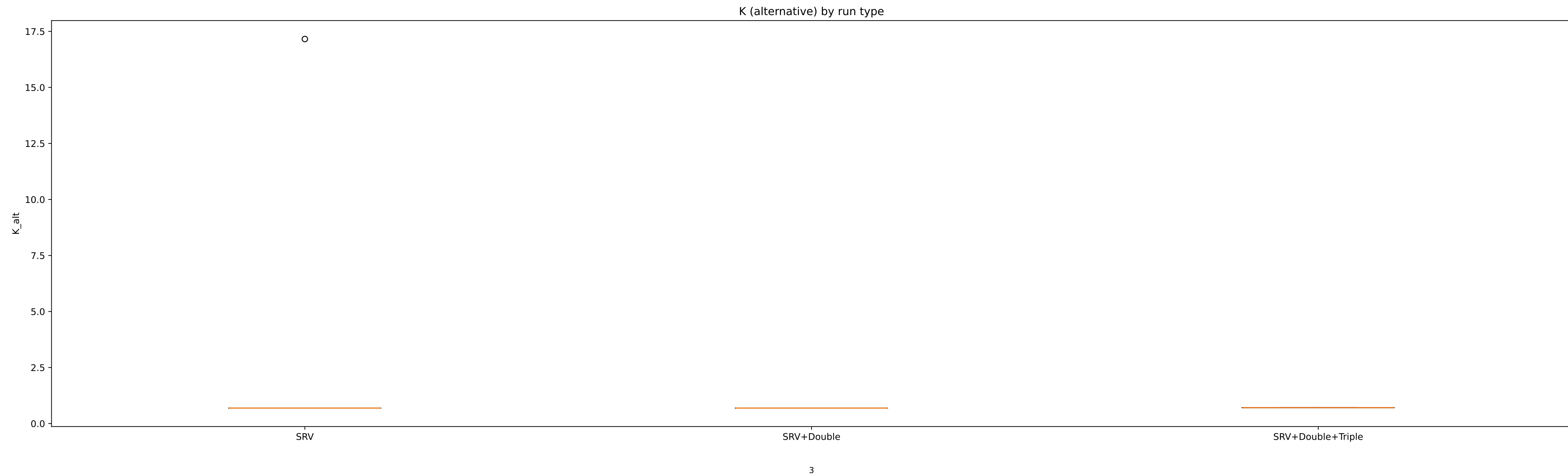
RELAX LRT p-values by run type
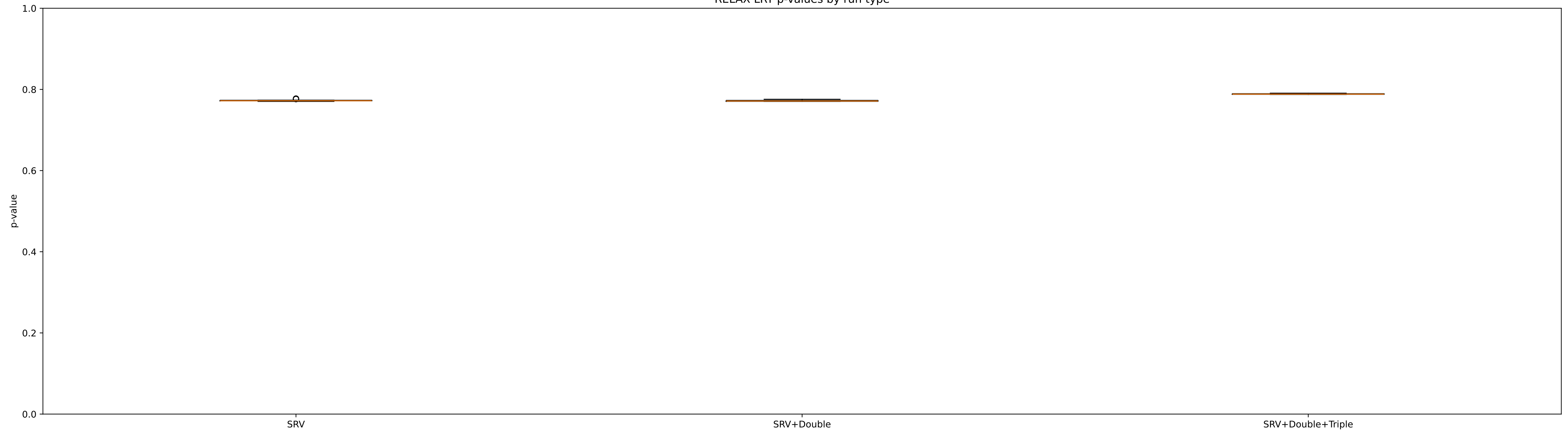
2H rates (reference) by run type

2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type
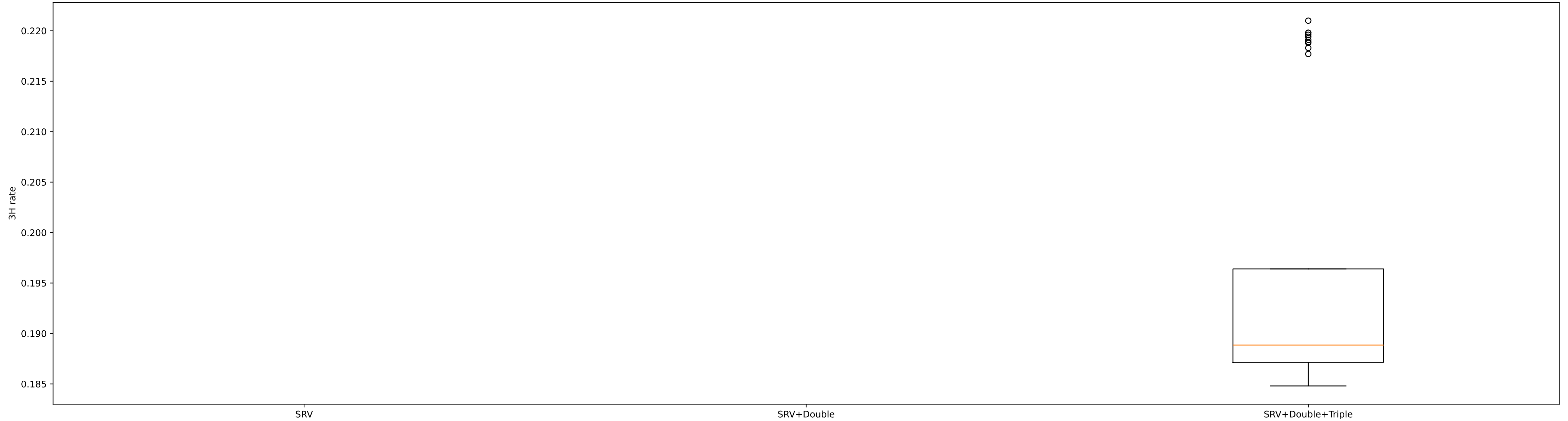
SRV   SRV+Double   SRV+Double+Triple
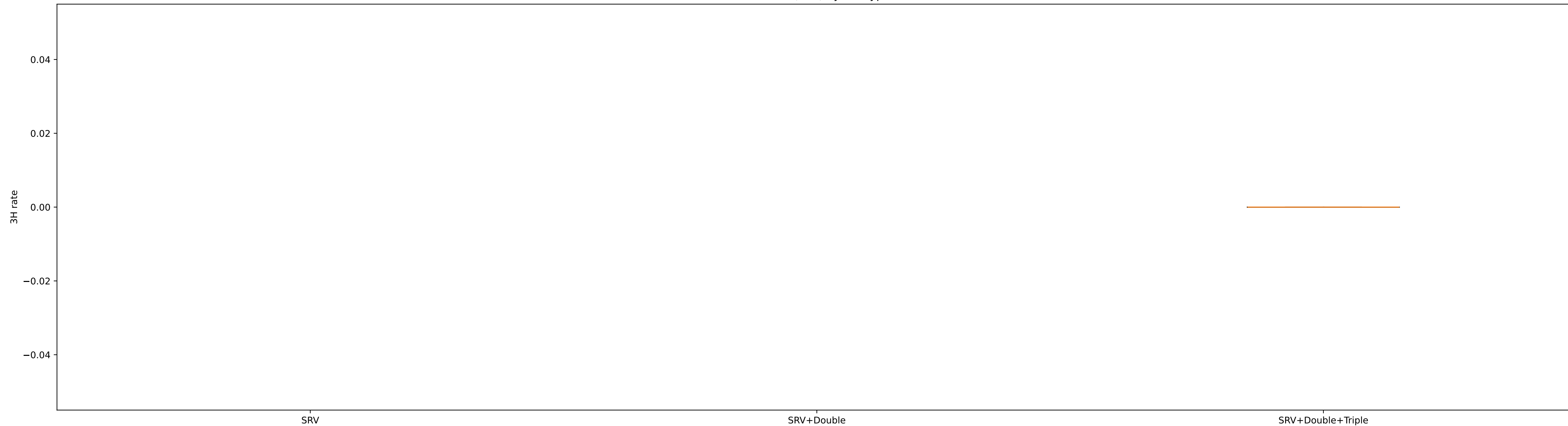
	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7717	0.69	0.2646	0.3995	
	2	0.7718	0.69	0.2646	0.3995	
	3	0.7722	17.16	0.2646	0.3995	
	4	0.7773	0.69	0.2646	0.3995	
	5	0.7762	0.69	0.2646	0.3995	
	6	0.7734	0.69	0.2646	0.3995	
	7	0.7704	0.69	0.2646	0.3995	
	8	0.7718	0.69	0.2646	0.3995	
	9	0.7726	0.69	0.2646	0.3995	
	10	0.7715	0.69	0.2646	0.3995	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.7731	0.69	0.2646	0.3995	
2	0.7706	0.69	0.2646	0.3995	
3	0.7707	0.69	0.2646	0.3995	
4	0.7706	0.69	0.2646	0.3995	
5	0.7706	0.69	0.2646	0.3995	
6	0.7729	0.69	0.2646	0.3995	
7	0.7712	0.69	0.2646	0.3995	
8	0.7757	0.69	0.2646	0.3995	
9	0.7728	0.69	0.2646	0.3995	
10	0.7717	0.69	0.2646	0.3995	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7907	0.71	0.2646	0.3995	
	2	0.788	0.71	0.2646	0.3995	
	3	0.7876	0.71	0.2646	0.3995	
	4	0.7879	0.71	0.2646	0.3995	
	5	0.7878	0.71	0.2646	0.3995	
	6	0.7903	0.71	0.2646	0.3995	
	7	0.7888	0.71	0.2646	0.3995	
	8	0.7894	0.71	0.2646	0.3995	
	9	0.7894	0.71	0.2646	0.3995	
	10	0.7878	0.71	0.2646	0.3995	

Ω-class distributions (all) (cols 1-7/7)

test	Negative selection	0.368	0.0	SRV+Double
test	Negative selection	0.392	100.0	SRV+Double
test	Negative selection	0.234	0.0	SRV+Double
test	Negative selection	0.256	100.0	SRV+Double
reference	Diversifying selection	0.015	0.0	SRV+Double
reference	Negative selection	0.184	0.0	SRV+Double
reference	Negative selection	0.257	100.0	SRV+Double
test	Diversifying selection	1.094	0.0	SRV+Double
test	Negative selection	0.184	0.0	SRV+Double
test	Negative selection	0.257	100.0	SRV+Double
reference	Diversifying selection	3.381	0.0	SRV+Double
reference	Negative selection	0.001	0.0	SRV+Double
reference	Negative selection	0.256	100.0	SRV+Double
test	Diversifying selection	2.313	0.0	SRV+Double
test	Diversifying selection	3.381	0.0	SRV+Double
test	Negative selection	0.008	0.0	SRV+Double
test	Negative selection	0.391	100.0	SRV+Double
test	Negative selection	0.001	0.0	SRV+Double
test	Negative selection	0.256	100.0	SRV+Double
reference	Diversifying selection	1.244	0.0	SRV+Double
reference	Negative selection	0.003	0.0	SRV+Double
reference	Negative selection	0.257	100.0	SRV+Double
test	Diversifying selection	1.244	0.0	SRV+Double
test	Negative selection	0.003	0.0	SRV+Double
test	Negative selection	0.257	100.0	SRV+Double
reference	Diversifying selection	1.021	0.0	SRV+Double
reference	Negative selection	0.0	0.0	SRV+Double
reference	Negative selection	0.257	100.0	SRV+Double
test	Diversifying selection	1.015	0.0	SRV+Double
test	Diversifying selection	1.021	0.0	SRV+Double
test	Negative selection	0.005	0.0	SRV+Double
test	Negative selection	0.392	100.0	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.257	100.0	SRV+Double
reference	Diversifying selection	1.902	0.0	SRV+Double
reference	Negative selection	0.002	0.0	SRV+Double
reference	Negative selection	0.257	100.0	SRV+Double
test	Diversifying selection	1.902	0.0	SRV+Double
test	Negative selection	0.002	0.0	SRV+Double
test	Negative selection	0.257	100.0	SRV+Double
reference	Diversifying selection	3.256	0.0	SRV+Double
reference	Negative selection	0.003	0.0	SRV+Double
reference	Negative selection	0.256	100.0	SRV+Double
test	Diversifying selection	2.254	0.0	SRV+Double
test	Diversifying selection	3.256	0.0	SRV+Double
test	Negative selection	0.019	0.0	SRV+Double
test	Negative selection	0.391	100.0	SRV+Double
test	Negative selection	0.003	0.0	SRV+Double
test	Negative selection	0.256	100.0	SRV+Double
reference	Diversifying selection	1.206		SRV+Double

	class_id	syn_rate	proportion_percent	run_type	
	1	0.874	79.543	SRV	
	2	0.883	19.312	SRV	
	3	11.721	1.145	SRV	
	1	0.873	10.72	SRV	
	2	0.877	88.157	SRV	
	3	11.857	1.123	SRV	
	1	0.876	83.327	SRV	
	2	0.877	15.552	SRV	
	3	11.925	1.121	SRV	
	1	0.877	87.252	SRV	
	2	0.878	11.636	SRV	
	3	11.934	1.112	SRV	
	1	0.875	6.017	SRV	
	2	0.876	92.839	SRV	
	3	11.714	1.143	SRV	
	1	0.872	9.762	SRV	
	2	0.877	89.12	SRV	
	3	11.887	1.118	SRV	
	1	0.875	85.766	SRV	
	2	0.881	13.088	SRV	
	3	11.735	1.146	SRV	
	1	0.876	98.865	SRV	
	2	1.99	0.0	SRV	
	3	11.768	1.135	SRV	
	1	0.876	98.845	SRV	
	2	1.968	0.0	SRV	
	3	11.633	1.155	SRV	
	1	0.875	80.786	SRV	
	2	0.881	18.068	SRV	
	3	11.685	1.145	SRV	

reference	2H	0.0	SRV+Double+Triple
reference	3H	0.1878	SRV+Double+Triple
reference	3H	0.1887	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	0.2191	SRV+Double+Triple
reference	3H	0.1867	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	0.1885	SRV+Double+Triple
reference	3H	0.1891	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	0.221	SRV+Double+Triple
reference	3H	0.1868	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	0.1872	SRV+Double+Triple
reference	3H	0.1889	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	0.2196	SRV+Double+Triple
reference	3H	0.187	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	0.1881	SRV+Double+Triple
reference	3H	0.1893	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	0.2198	SRV+Double+Triple
reference	3H	0.1861	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	0.1877	SRV+Double+Triple
reference	3H	0.1887	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	0.2183	SRV+Double+Triple
reference	3H	0.1863	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple