RELAX Combined Report

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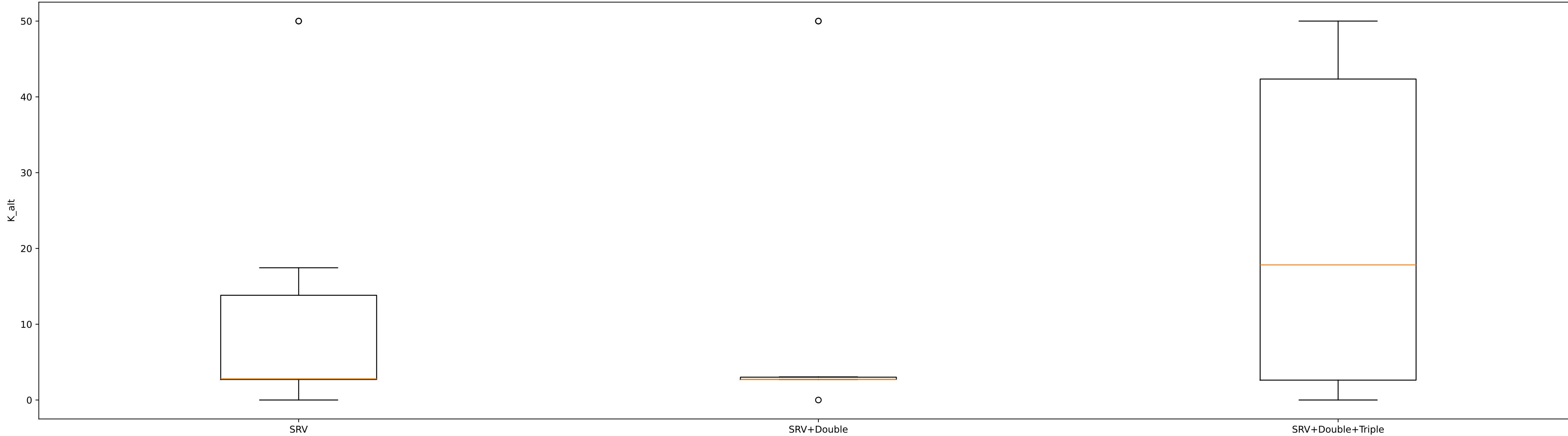
Includes:

- Run-type summary

- Boxplots: K, p-values, 2H/3H

- Full omega/SRV/multihit tables (column-paged)
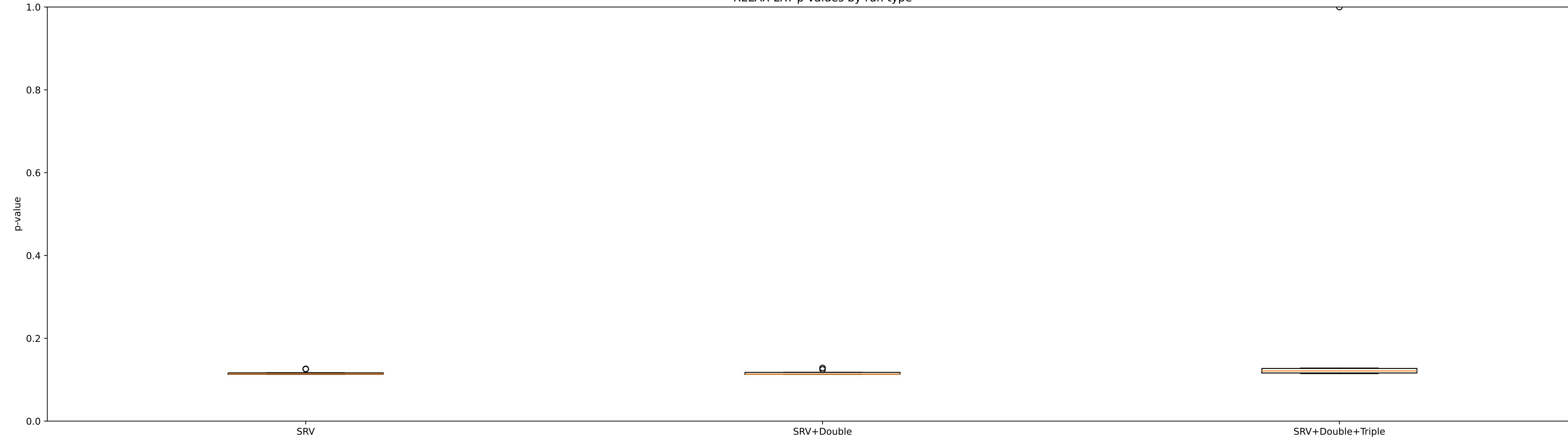
Run-type summary statistics

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
0.114	0.1132	0.1262	2.8	0.0	50.0	0.2372	0.0551	10	nan	nan
0.1135	0.1132	0.1283	2.72	0.0	50.0	0.2372	0.0551	10	0.0	0.0
0.1212	0.1148	1.0	17.83	0.0	50.0	0.2372	0.0551	10	0.0	0.0

K (alternative) by run type

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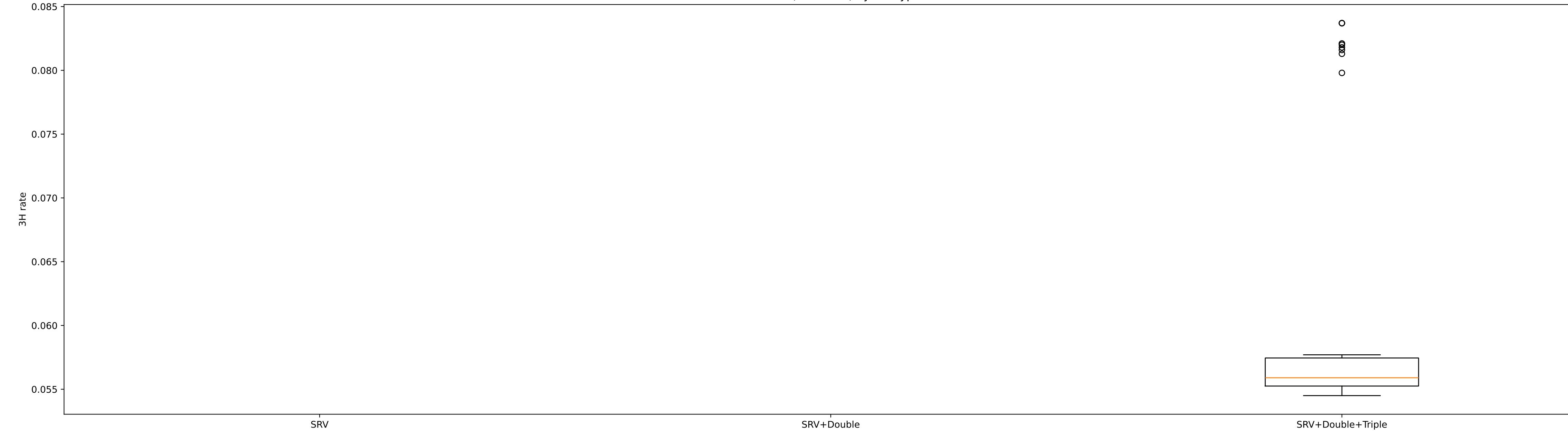
2H rates (reference) by run type
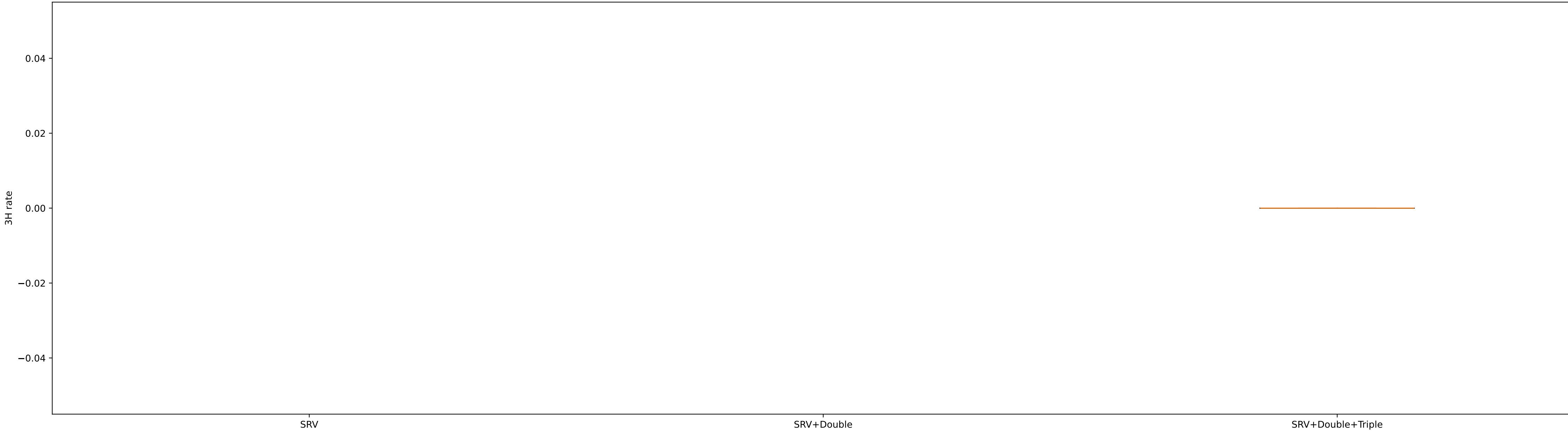
2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.1133	2.71	0.2372	0.0551	
2	0.1132	2.71	0.2372	0.0551	
3	0.1132	2.72	0.2372	0.0551	
4	0.1132	0.0	0.2372	0.0551	
5	0.1262	50.0	0.2373	0.055	
6	0.1151	2.93	0.2372	0.0551	
7	0.1132	2.71	0.2372	0.0551	
8	0.1255	50.0	0.2371	0.0551	
9	0.1148	2.88	0.2372	0.0551	
10	0.1169	17.45	0.2372	0.0551	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.1171	0.0	0.2372	0.0551	
	2	0.1247	50.0	0.2372	0.0551	
	3	0.1132	2.72	0.2373	0.055	
	4	0.1178	3.05	0.2372	0.0551	
	5	0.1132	2.72	0.2372	0.0551	
	6	0.1132	2.72	0.2372	0.0551	
	7	0.1132	2.72	0.2373	0.055	
	8	0.1132	2.71	0.2372	0.0551	
	9	0.1138	2.9	0.2373	0.055	
	10	0.1283	50.0	0.2372	0.0551	

	replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.1191	0.0	0.2372	0.0551	
	2		0.1187	0.0	0.2372	0.0551	
	3		0.1264	50.0	0.2372	0.0551	
	4		0.1274	50.0	0.2372	0.0551	
	5		0.1148	2.6	0.2372	0.0551	
	6		0.1233	17.49	0.2372	0.0551	
	7		1.0	19.41	0.2372	0.0551	
	8		0.1281	50.0	0.2372	0.0551	
	9		0.1149	2.69	0.2372	0.0551	
	10		0.1154	18.17	0.2372	0.0551	

test	Negative selection	0.0	66.305		SRV+Double
test	Negative selection	0.161	33.695		SRV+Double
test	Negative selection	0.077	66.305		SRV+Double
test	Negative selection	0.549	33.695		SRV+Double
reference	Diversifying selection	0.0	0.0		SRV+Double
reference	Negative selection	0.054	60.018		SRV+Double
reference	Negative selection	0.502	39.982		SRV+Double
test	Diversifying selection	1.072	0.0		SRV+Double
test	Negative selection	0.054	60.018		SRV+Double
test	Negative selection	0.502	39.982		SRV+Double
reference	Diversifying selection	1.002	0.0		SRV+Double
reference	Negative selection	0.0	44.655		SRV+Double
reference	Negative selection	0.425	55.345		SRV+Double
test	Diversifying selection	1.004	0.0		SRV+Double
test	Diversifying selection	1.002	0.0		SRV+Double
test	Negative selection	0.0	44.655		SRV+Double
test	Negative selection	0.098	55.345		SRV+Double
test	Negative selection	0.0	44.655		SRV+Double
test	Negative selection	0.425	55.345		SRV+Double
reference	Diversifying selection	1.162	0.0		SRV+Double
reference	Negative selection	0.0	44.687		SRV+Double
reference	Negative selection	0.421	55.313		SRV+Double
test	Diversifying selection	1.162	0.0		SRV+Double
test	Negative selection	0.0	44.687		SRV+Double
test	Negative selection	0.421	55.313		SRV+Double
reference	Diversifying selection	1.002	0.0		SRV+Double
reference	Negative selection	0.0	44.829		SRV+Double
reference	Negative selection	0.427	55.171		SRV+Double
test	Diversifying selection	1.006	0.0		SRV+Double
test	Diversifying selection	1.002	0.0		SRV+Double
test	Negative selection	0.0	44.829		SRV+Double
test	Negative selection	0.099	55.171		SRV+Double
test	Negative selection	0.0	44.829		SRV+Double
test	Negative selection	0.427	55.171		SRV+Double
reference	Diversifying selection	1.163	0.0		SRV+Double
reference	Negative selection	0.0	44.858		SRV+Double
reference	Negative selection	0.422	55.142		SRV+Double
test	Diversifying selection	1.163	0.0		SRV+Double
test	Negative selection	0.0	44.858		SRV+Double
test	Negative selection	0.422	55.142		SRV+Double
reference	Diversifying selection	1.002	0.0		SRV+Double
reference	Negative selection	0.0	44.839		SRV+Double
reference	Negative selection	0.427	55.161		SRV+Double
test	Diversifying selection	1.004	0.0		SRV+Double
test	Diversifying selection	1.002	0.0		SRV+Double
test	Negative selection	0.0	44.839		SRV+Double
test	Negative selection	0.099	55.161		SRV+Double
test	Negative selection	0.0	44.839		SRV+Double
test	Negative selection	0.427	55.161		SRV+Double
reference	Diversifying selection	1.162	0.0		SRV+Double

	class_id	syn_rate	proportion_percent	run_type	
	1	0.0	10.095	SRV	
	2	0.942	78.628	SRV	
	3	2.303	11.278	SRV	
	1	0.0	10.082	SRV	
	2	0.941	78.537	SRV	
	3	2.296	11.38	SRV	
	1	0.0	10.09	SRV	
	2	0.941	78.582	SRV	
	3	2.299	11.328	SRV	
	1	0.0	10.111	SRV	
	2	0.941	78.498	SRV	
	3	2.293	11.391	SRV	
	1	0.0	10.096	SRV	
	2	0.941	78.618	SRV	
	3	2.304	11.286	SRV	
	1	0.0	10.114	SRV	
	2	0.942	78.585	SRV	
	3	2.298	11.301	SRV	
	1	0.0	10.092	SRV	
	2	0.941	78.595	SRV	
	3	2.3	11.312	SRV	
	1	0.0	10.086	SRV	
	2	0.941	78.623	SRV	
	3	2.303	11.291	SRV	
	1	0.0	10.017	SRV	
	2	0.935	77.942	SRV	
	3	2.252	12.041	SRV	
	1	0.0	10.328	SRV	
	2	0.954	79.419	SRV	
	3	2.361	10.253	SRV	

reference	3H	0.0547	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	0.0837	SRV+Double+Triple	
reference	3H	0.0559	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	0.0561	SRV+Double+Triple	
reference	3H	0.0553	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	0.082	SRV+Double+Triple	
reference	3H	0.0552	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	0.0563	SRV+Double+Triple	
reference	3H	0.0555	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	0.0821	SRV+Double+Triple	
reference	3H	0.055	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	0.0562	SRV+Double+Triple	
reference	3H	0.0554	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	0.0813	SRV+Double+Triple	
reference	3H	0.0557	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	0.0563	SRV+Double+Triple	
reference	3H	0.0557	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	0.0816	SRV+Double+Triple	
reference	3H	0.056	SRV+Double+Triple	
test	2H	0.0	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.0	SRV+Double+Triple	