RELAX Combined Report

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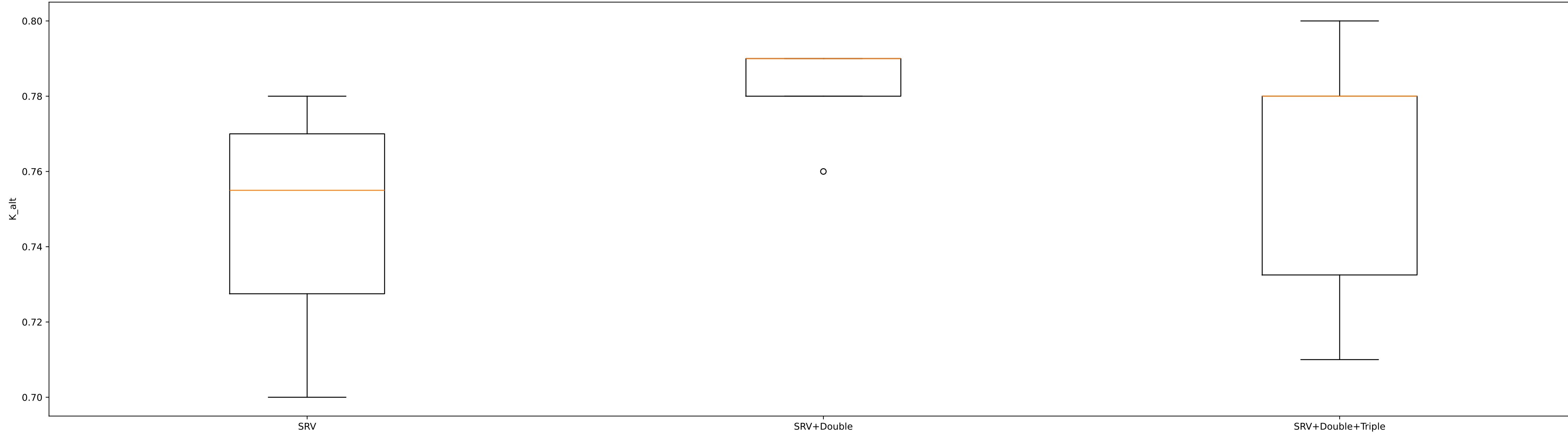
Includes:

- Run-type summary

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

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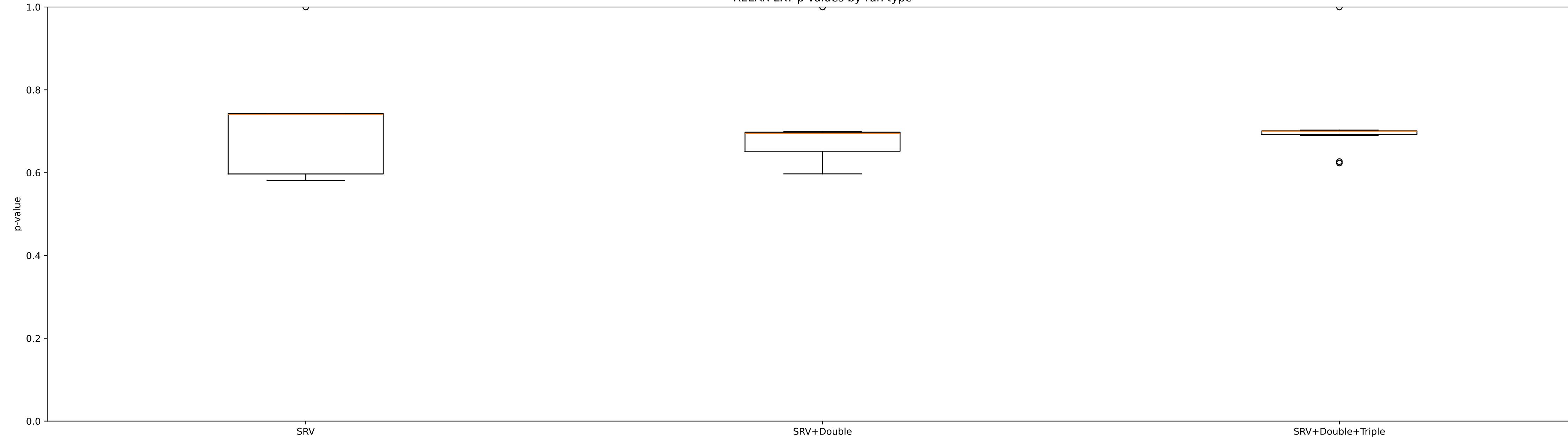
Run-type summary statistics

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
0.741	0.5809	1.0	0.755	0.7	0.78	0.2196	0.2675	10	nan	nan
0.6945	0.5971	1.0	0.79	0.76	0.79	0.2196	0.2675	10	0.0723	0.0
0.7002	0.6232	1.0	0.78	0.71	0.8	0.2196	0.2675	10	0.0612	0.0
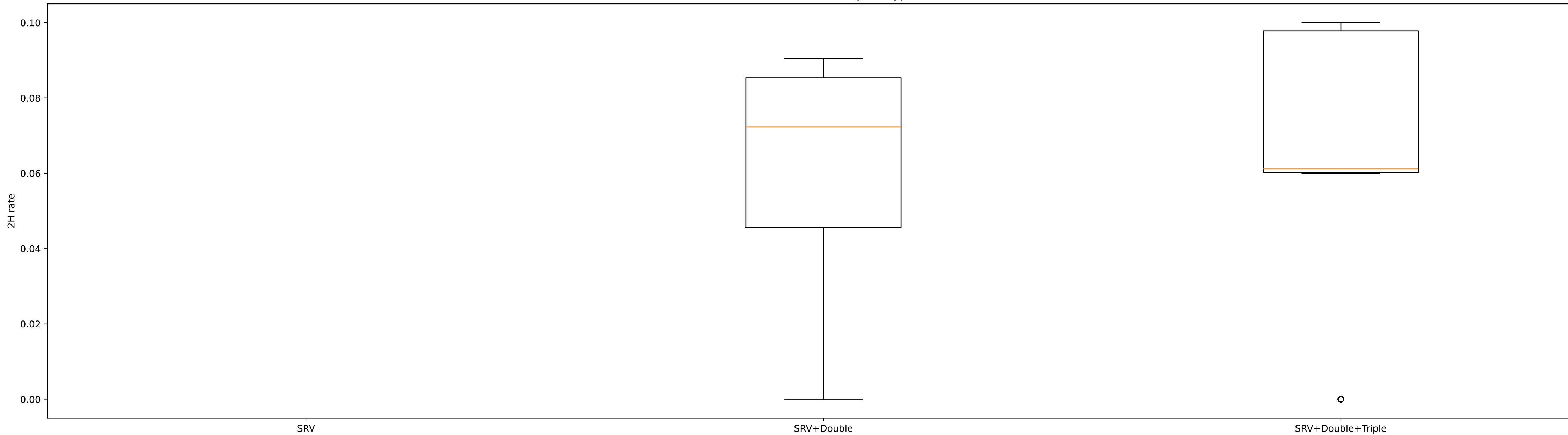
K (alternative) by run type

RELAX LRT p-values by run type

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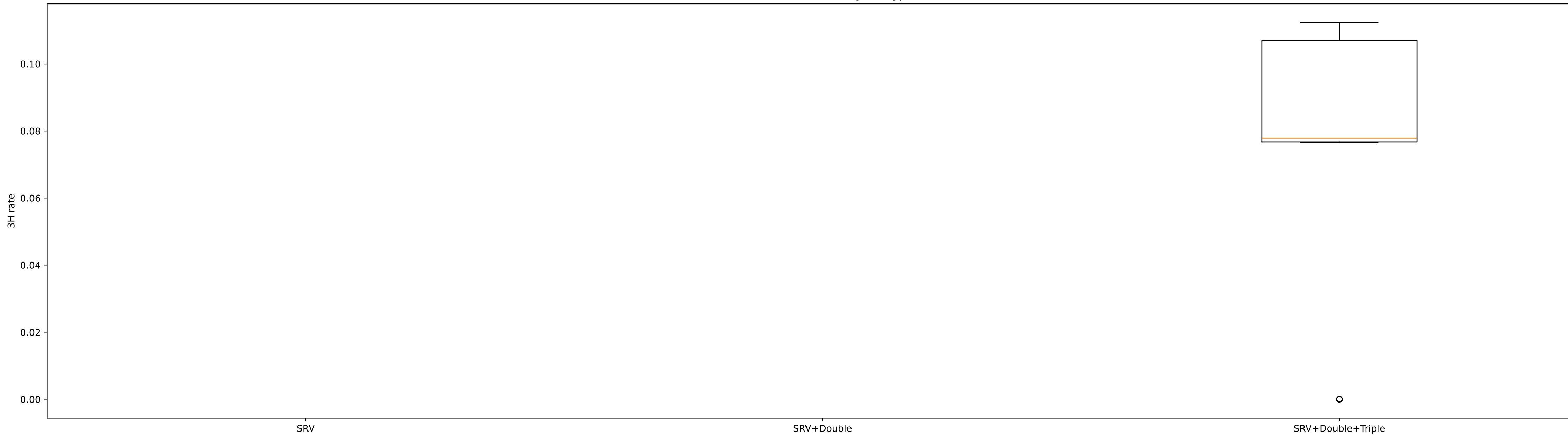
2H rates (reference) by run type

2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

3H rate

SRV

SRV+Double

SRV+Double+Triple

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7407	0.75	0.2196	0.2675	
	2	0.7435	0.78	0.2196	0.2675	
	3	0.7429	0.77	0.2196	0.2675	
	4	0.5965	0.76	0.2196	0.2675	
	5	0.5945	0.71	0.2196	0.2675	
	6	0.7424	0.75	0.2196	0.2675	
	7	0.7413	0.77	0.2196	0.2675	
	8	1.0	0.77	0.2196	0.2675	
	9	0.598	0.72	0.2196	0.2675	
	10	0.5809	0.7	0.2196	0.2675	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.6953	0.78	0.2196	0.2675	
2	0.6357	0.78	0.2196	0.2675	
3	0.638	0.79	0.2196	0.2675	
4	1.0	0.79	0.2196	0.2675	
5	0.6986	0.79	0.2196	0.2675	
6	0.6929	0.79	0.2196	0.2675	
7	0.5971	0.76	0.2196	0.2675	
8	0.6953	0.79	0.2196	0.2675	
9	0.6937	0.79	0.2196	0.2675	
10	0.6998	0.78	0.2195	0.2671	

replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1		0.6901	0.8	0.2196	0.2675	
2		0.6993	0.77	0.2196	0.2675	
3		0.701	0.78	0.2196	0.2675	
4		0.6994	0.78	0.2196	0.2675	
5		0.701	0.78	0.2196	0.2675	
6		0.6232	0.71	0.2196	0.2675	
7		1.0	0.72	0.2196	0.2675	
8		0.7027	0.78	0.2196	0.2675	
9		0.7009	0.78	0.2196	0.2675	
10		0.6268	0.72	0.2196	0.2675	

test	Negative selection	0.273	91.621		SRV+Double
test	Negative selection	0.364	8.336		SRV+Double
test	Negative selection	0.192	91.621		SRV+Double
test	Negative selection	0.276	8.336		SRV+Double
reference	Diversifying selection	0.046	0.056		SRV+Double
reference	Negative selection	0.152	89.297		SRV+Double
reference	Negative selection	0.66	10.647		SRV+Double
test	Diversifying selection	132.861	0.056		SRV+Double
test	Negative selection	0.152	89.297		SRV+Double
test	Negative selection	0.66	10.647		SRV+Double
reference	Negative selection	0.011	5.546		SRV+Double
reference	Negative selection	0.202	93.437		SRV+Double
reference	Neutral evolution	1.0	1.017		SRV+Double
test	Negative selection	0.028	5.546		SRV+Double
test	Negative selection	0.285	93.437		SRV+Double
test	Negative selection	0.011	5.546		SRV+Double
test	Negative selection	0.202	93.437		SRV+Double
test	Neutral evolution	1.0	1.017		SRV+Double
test	Neutral evolution	1.0	1.017		SRV+Double
reference	Negative selection	0.0	7.541		SRV+Double
reference	Negative selection	0.207	91.099		SRV+Double
reference	Neutral evolution	1.0	1.36		SRV+Double
test	Negative selection	0.0	7.541		SRV+Double
test	Negative selection	0.207	91.099		SRV+Double
test	Neutral evolution	1.0	1.36		SRV+Double
reference	Negative selection	0.171	31.453		SRV+Double
reference	Negative selection	0.199	67.313		SRV+Double
reference	Neutral evolution	1.0	1.234		SRV+Double
test	Negative selection	0.247	31.453		SRV+Double
test	Negative selection	0.278	67.313		SRV+Double
test	Negative selection	0.171	31.453		SRV+Double
test	Negative selection	0.199	67.313		SRV+Double
test	Neutral evolution	1.0	1.234		SRV+Double
test	Neutral evolution	1.0	1.234		SRV+Double
reference	Negative selection	0.172	37.925		SRV+Double
reference	Negative selection	0.2	60.51		SRV+Double
reference	Neutral evolution	1.0	1.565		SRV+Double
test	Negative selection	0.172	37.925		SRV+Double
test	Negative selection	0.2	60.51		SRV+Double
test	Neutral evolution	1.0	1.565		SRV+Double
reference	Diversifying selection	141.659	0.059		SRV+Double
reference	Negative selection	0.156	91.089		SRV+Double
reference	Negative selection	0.707	8.852		SRV+Double
test	Diversifying selection	42.568	0.059		SRV+Double
test	Diversifying selection	141.659	0.059		SRV+Double
test	Negative selection	0.245	91.089		SRV+Double
test	Negative selection	0.769	8.852		SRV+Double
test	Negative selection	0.156	91.089		SRV+Double
test	Negative selection	0.707	8.852		SRV+Double
reference	Diversifying selection	132.582	0.056		SRV+Double

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.508	46.019	SRV	
	2	0.595	23.593	SRV	
	3	2.059	30.388	SRV	
	1	0.484	33.469	SRV	
	2	0.594	36.48	SRV	
	3	2.066	30.052	SRV	
	1	0.506	42.325	SRV	
	2	0.586	27.256	SRV	
	3	2.059	30.419	SRV	
	1	0.023	20.195	SRV	
	2	1.102	74.352	SRV	
	3	3.224	5.453	SRV	
	1	0.023	19.883	SRV	
	2	1.074	72.707	SRV	
	3	2.898	7.409	SRV	
	1	0.506	41.664	SRV	
	2	0.582	27.777	SRV	
	3	2.054	30.559	SRV	
	1	0.504	43.083	SRV	
	2	0.595	26.647	SRV	
	3	2.062	30.269	SRV	
	1	0.034	20.556	SRV	
	2	1.086	73.112	SRV	
	3	3.145	6.332	SRV	
	1	0.026	20.14	SRV	
	2	1.081	72.911	SRV	
	3	2.973	6.949	SRV	
	1	0.021	19.761	SRV	
	2	1.071	72.512	SRV	
	3	2.839	7.728	SRV	

Multihit (2H/3H) rates (all) (cols 1-6/6)

	reference	3H	0.0881	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.071	SRV+Double+Triple	
	reference	2H	0.0714	SRV+Double+Triple	
	reference	3H	0.0878	SRV+Double+Triple	
	reference	3H	0.0879	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0987	SRV+Double+Triple	
	reference	2H	0.0612	SRV+Double+Triple	
	reference	3H	0.1077	SRV+Double+Triple	
	reference	3H	0.0778	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0609	SRV+Double+Triple	
	reference	2H	0.0623	SRV+Double+Triple	
	reference	3H	0.078	SRV+Double+Triple	
	reference	3H	0.0789	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0978	SRV+Double+Triple	
	reference	2H	0.0604	SRV+Double+Triple	
	reference	3H	0.107	SRV+Double+Triple	
	reference	3H	0.0767	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0602	SRV+Double+Triple	
	reference	2H	0.0618	SRV+Double+Triple	
	reference	3H	0.0769	SRV+Double+Triple	
	reference	3H	0.0779	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.099	SRV+Double+Triple	
	reference	2H	0.0606	SRV+Double+Triple	
	reference	3H	0.1093	SRV+Double+Triple	
	reference	3H	0.0771	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0603	SRV+Double+Triple	
	reference	2H	0.0613	SRV+Double+Triple	
	reference	3H	0.0774	SRV+Double+Triple	
	reference	3H	0.0781	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0987	SRV+Double+Triple	
	reference	2H	0.0603	SRV+Double+Triple	
	reference	3H	0.1077	SRV+Double+Triple	
	reference	3H	0.0765	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	