RELAX Combined Report

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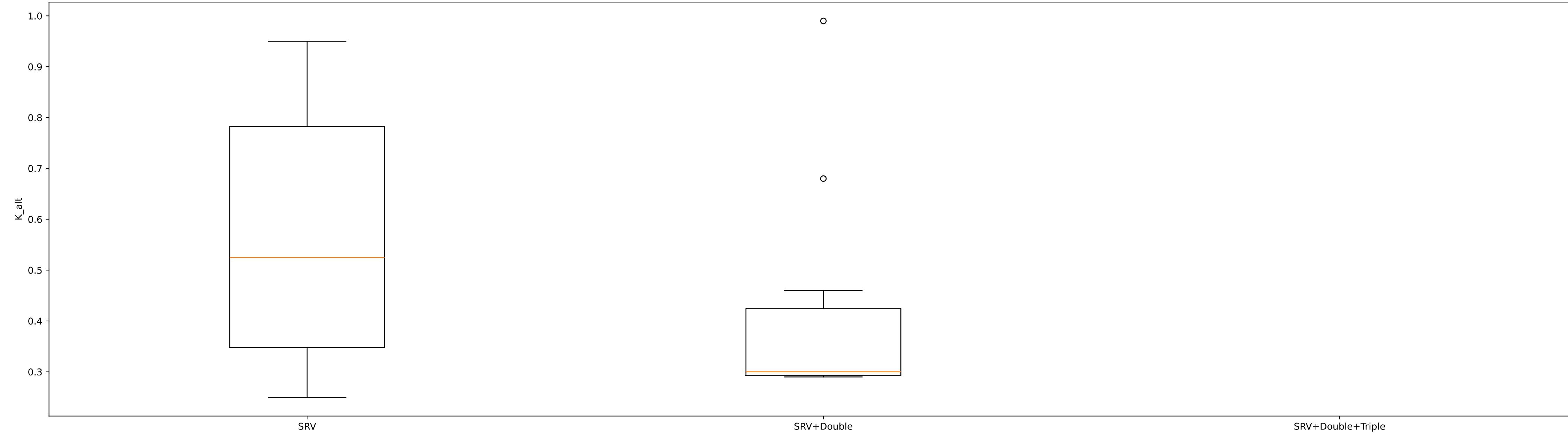
Includes:

- Run-type summary

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

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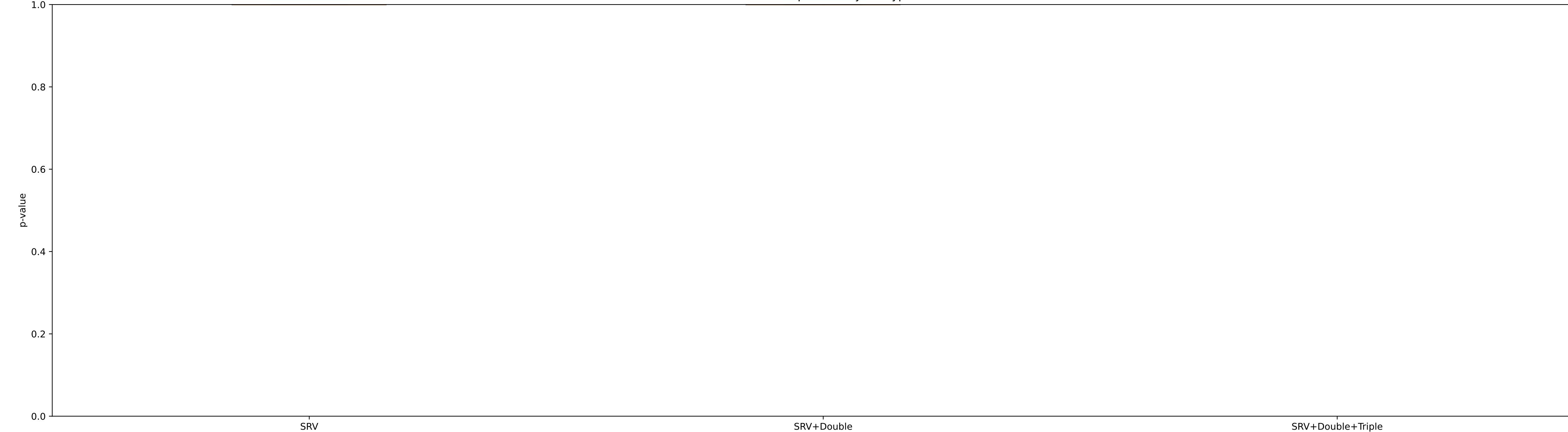
Run-type summary statistics

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
1.0	1.0	1.0	0.525	0.25	0.95	0.3151	0.0	10	nan	nan
1.0	1.0	1.0	0.3	0.29	0.99	0.3151	0.0	10	0.3609	0.0441
nan	nan	nan	nan	nan	nan	nan	nan	0	nan	nan
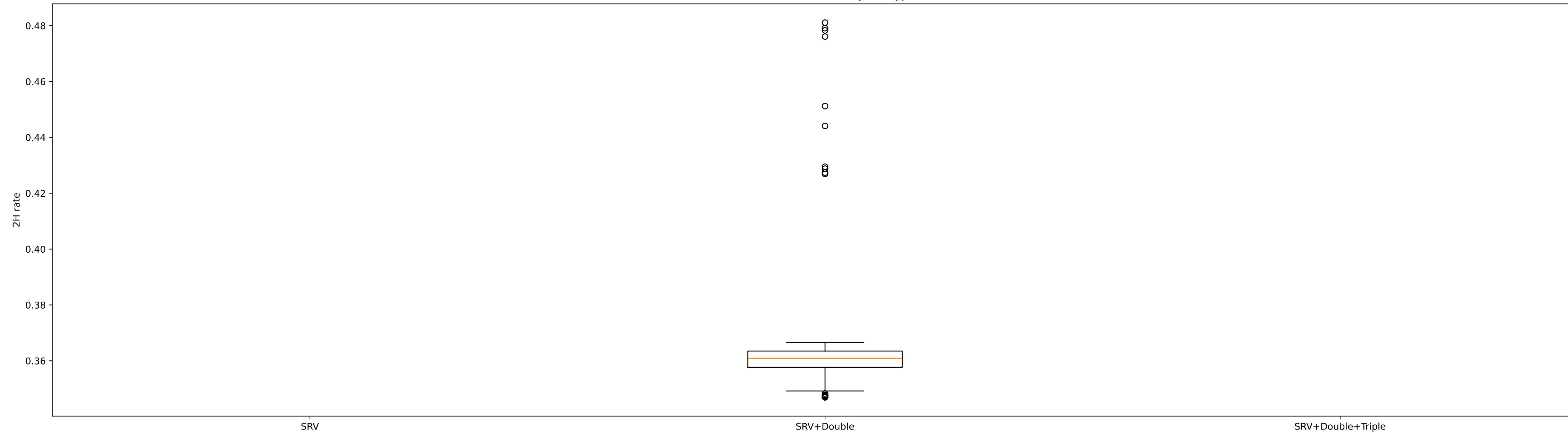
K (alternative) by run type

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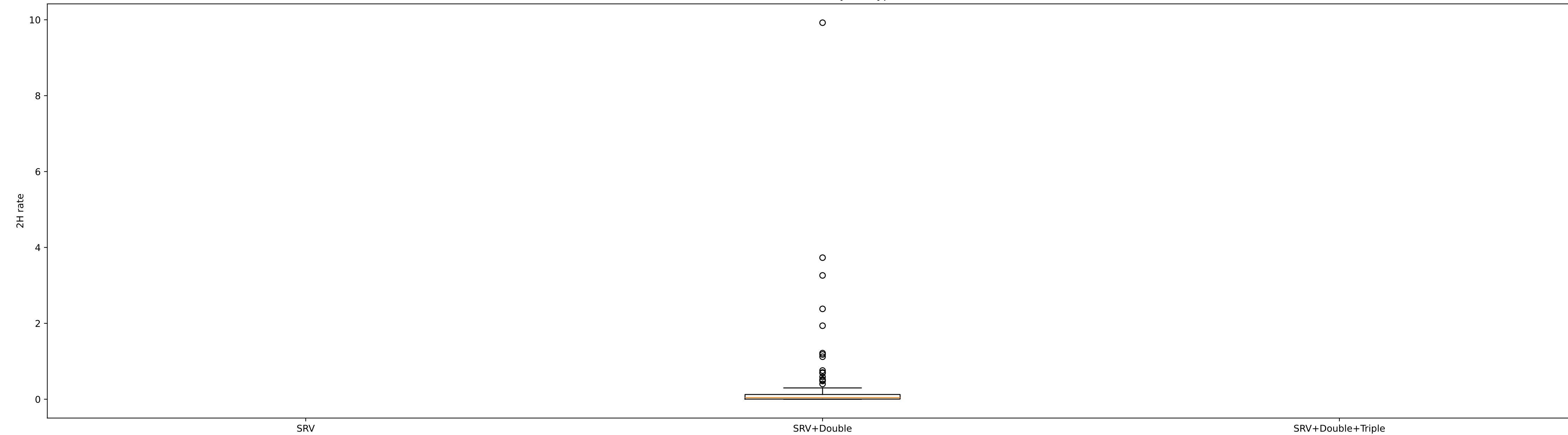
RELAX LRT p-values by run type

SRV	SRV+Double	SRV+Double+Triple

p-value

2H rates (reference) by run type

2H rates (test) by run type

No 3H rates available

	replicate	global_dNdS_reference p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	0.37	0.3151	0.0	
	2	1.0	0.38	0.3151	0.0	
	3	1.0	0.76	0.3151	0.0	
	4	1.0	0.79	0.3151	0.0	
	5	1.0	0.8	0.3151	0.0	
	6	1.0	0.67	0.3151	0.0	
	7	1.0	0.95	0.3151	0.0	
	8	1.0	0.34	0.3151	0.0	
	9	1.0	0.25	0.3147	0.0	
	10	1.0	0.32	0.3151	0.0	

	replicate	global_dNdS_reference	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		1.0	0.3	0.3151	0.0	
	2		1.0	0.32	0.3151	0.0	
	3		1.0	0.3	0.3151	0.0	
	4		1.0	0.29	0.3151	0.0	
	5		1.0	0.29	0.3151	0.0	
	6		1.0	0.68	0.3151	0.0	
	7		1.0	0.99	0.3151	0.0	
	8		1.0	0.29	0.3151	0.0	
	9		1.0	0.3	0.3151	0.0	
	10		1.0	0.46	0.3151	0.0	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	nan	nan	nan	nan	
2	nan	nan	nan	nan	
3	nan	nan	nan	nan	
4	nan	nan	nan	nan	
5	nan	nan	nan	nan	
6	nan	nan	nan	nan	
7	nan	nan	nan	nan	
8	nan	nan	nan	nan	
9	nan	nan	nan	nan	
10	nan	nan	nan	nan	

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

test	Negative selection	0.0	69.232	SRV
test	Neutral evolution	1.0	30.702	SRV
test	Neutral evolution	1.0	30.702	SRV
reference	Diversifying selection	108991.103	0.066	SRV
reference	Negative selection	0.0	69.232	SRV
reference	Neutral evolution	1.0	30.702	SRV
test	Diversifying selection	108991.103	0.066	SRV
test	Negative selection	0.0	69.232	SRV
test	Neutral evolution	1.0	30.702	SRV
reference	Diversifying selection	7580.847	0.084	SRV
reference	Negative selection	0.0	69.34	SRV
reference	Neutral evolution	1.0	30.576	SRV
test	Diversifying selection	17.501	0.084	SRV
test	Diversifying selection	7580.847	0.084	SRV
test	Negative selection	0.0	69.34	SRV
test	Negative selection	0.0	69.34	SRV
test	Neutral evolution	1.0	30.576	SRV
test	Neutral evolution	1.0	30.576	SRV
reference	Diversifying selection	8308.276	0.084	SRV
reference	Negative selection	0.0	69.34	SRV
reference	Neutral evolution	1.0	30.576	SRV
test	Diversifying selection	8308.276	0.084	SRV
test	Negative selection	0.0	69.34	SRV
test	Neutral evolution	1.0	30.576	SRV
reference	Diversifying selection	1.99	7.963	SRV+Double
reference	Negative selection	0.108	87.043	SRV+Double
reference	Neutral evolution	1.0	4.994	SRV+Double
test	Diversifying selection	1.23	7.963	SRV+Double
test	Diversifying selection	1.99	7.963	SRV+Double
test	Negative selection	0.512	87.043	SRV+Double
test	Negative selection	0.108	87.043	SRV+Double
test	Neutral evolution	1.0	4.994	SRV+Double
test	Neutral evolution	1.0	4.994	SRV+Double
reference	Diversifying selection	1.96	8.117	SRV+Double
reference	Negative selection	0.106	86.907	SRV+Double
reference	Neutral evolution	1.0	4.976	SRV+Double
test	Diversifying selection	1.96	8.117	SRV+Double
test	Negative selection	0.106	86.907	SRV+Double
test	Neutral evolution	1.0	4.976	SRV+Double
reference	Diversifying selection	1.755	4.614	SRV+Double
reference	Negative selection	0.029	75.658	SRV+Double
reference	Neutral evolution	1.0	19.728	SRV+Double
test	Diversifying selection	1.195	4.614	SRV+Double
test	Diversifying selection	1.755	4.614	SRV+Double
test	Negative selection	0.326	75.658	SRV+Double
test	Negative selection	0.029	75.658	SRV+Double
test	Neutral evolution	1.0	19.728	SRV+Double
test	Neutral evolution	1.0	19.728	SRV+Double
reference	Diversifying selection	1.662	4.977	SRV+Double
reference	Negative selection	0.021	74.881	SRV+Double

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

class_id	syn_rate	proportion_percent	run_type
1	0.002	48.853	SRV
2	0.02	0.0	SRV
3	1.953	51.147	SRV
1	0.0	36.196	SRV
2	1.43	61.252	SRV
3	4.865	2.552	SRV
1	0.002	6.858	SRV
2	0.002	41.988	SRV
3	1.953	51.154	SRV
1	0.135	13.2	SRV
2	0.284	52.425	SRV
3	2.425	34.375	SRV
1	0.0	31.025	SRV
2	0.584	36.8	SRV
3	2.44	32.175	SRV
1	0.0	32.444	SRV
2	0.592	34.461	SRV
3	2.406	33.094	SRV
1	0.002	48.825	SRV
2	0.026	0.0	SRV
3	1.953	51.175	SRV
1	0.156	13.374	SRV
2	0.273	51.956	SRV
3	2.415	34.67	SRV
1	0.0	38.548	SRV
2	0.773	28.644	SRV
3	2.373	32.808	SRV
1	0.002	33.924	SRV
2	0.002	14.927	SRV
3	1.953	51.149	SRV

	test	2H	0.0008	SRV+Double	
	test	2H	0.0003	SRV+Double	
	test	2H	0.0002	SRV+Double	
	test	2H	0.0001	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.4295	SRV+Double	
	reference	2H	0.3495	SRV+Double	
	test	2H	0.0875	SRV+Double	
	reference	2H	0.3478	SRV+Double	
	reference	2H	0.3476	SRV+Double	
	reference	2H	0.3475	SRV+Double	
	reference	2H	0.3474	SRV+Double	
	reference	2H	0.3472	SRV+Double	
	reference	2H	0.3471	SRV+Double	
	reference	2H	0.347	SRV+Double	
	reference	2H	0.3469	SRV+Double	
	test	2H	0.0453	SRV+Double	
	test	2H	0.0159	SRV+Double	
	test	2H	0.024	SRV+Double	
	test	2H	0.4025	SRV+Double	
	test	2H	3.7309	SRV+Double	
	test	2H	1.2153	SRV+Double	
	test	2H	0.5195	SRV+Double	
	test	2H	0.1331	SRV+Double	
	test	2H	0.6895	SRV+Double	
	test	2H	0.5889	SRV+Double	
	test	2H	1.1795	SRV+Double	
	test	2H	0.5069	SRV+Double	
	reference	2H	0.4512	SRV+Double	
	reference	2H	0.3492	SRV+Double	
	test	2H	0.0937	SRV+Double	
	reference	2H	0.3483	SRV+Double	
	reference	2H	0.3495	SRV+Double	
	reference	2H	0.3493	SRV+Double	
	reference	2H	0.3492	SRV+Double	
	test	2H	0.1524	SRV+Double	
	test	2H	0.0477	SRV+Double	
	test	2H	0.0279	SRV+Double	
	test	2H	0.0101	SRV+Double	
	test	2H	0.0062	SRV+Double	
	test	2H	0.0038	SRV+Double	
	test	2H	0.0024	SRV+Double	
	test	2H	0.0009	SRV+Double	
	test	2H	0.0006	SRV+Double	
	test	2H	0.0002	SRV+Double	
	test	2H	0.0001	SRV+Double	
	reference	2H	0.4274	SRV+Double	
	reference	2H	0.3567	SRV+Double	
	test	2H	0.1353	SRV+Double	
	reference	2H	0.3578	SRV+Double	

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