RELAX Combined Report

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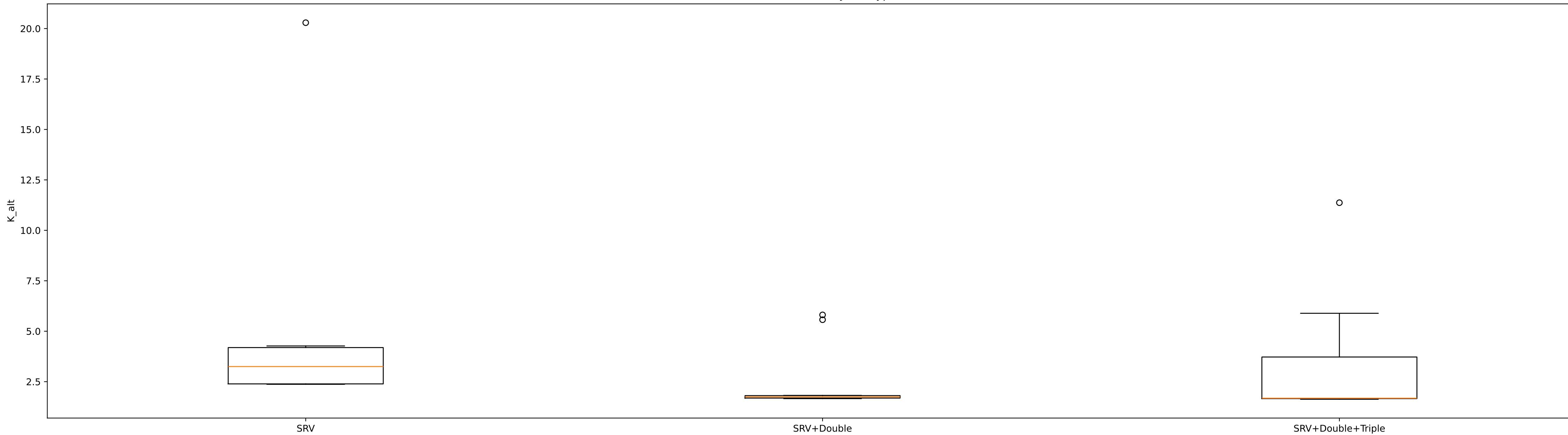
Includes:

- Run-type summary

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

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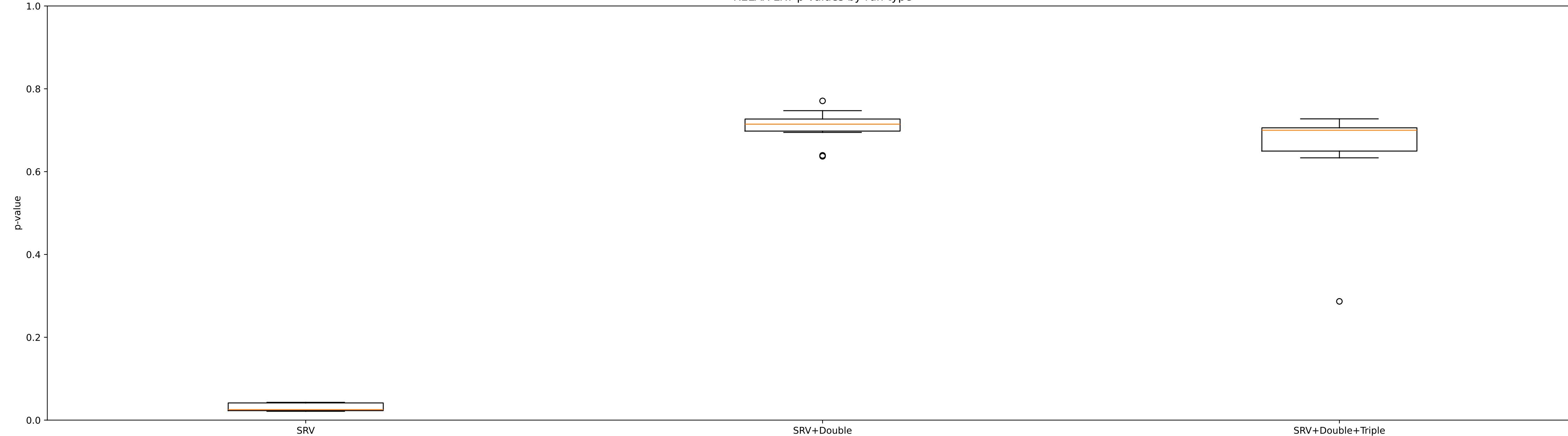
Run-type summary statistics

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
0.0252	0.0213	0.0429	3.25	2.37	20.29	0.3615	0.4175	9	nan	nan
0.7146	0.637	0.7708	1.745	1.66	5.81	0.3615	0.4175	10	0.0	0.6478
0.7	0.2867	0.7274	1.68	1.63	11.37	0.3615	0.4175	10	0.0	0.6404

K (alternative) by run type

3
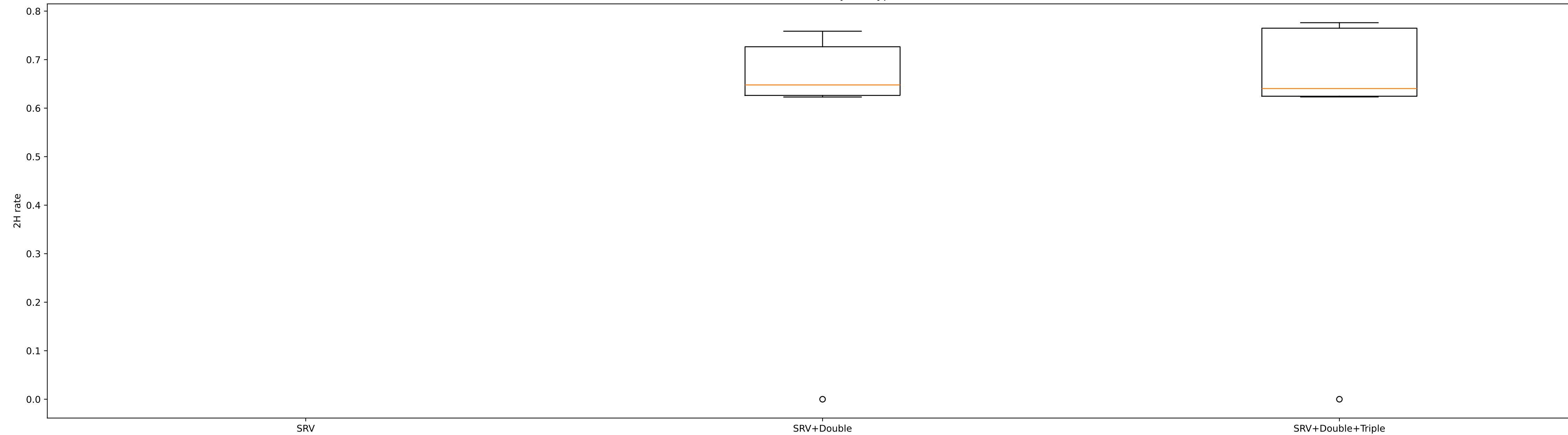
RELAX LRT p-values by run type

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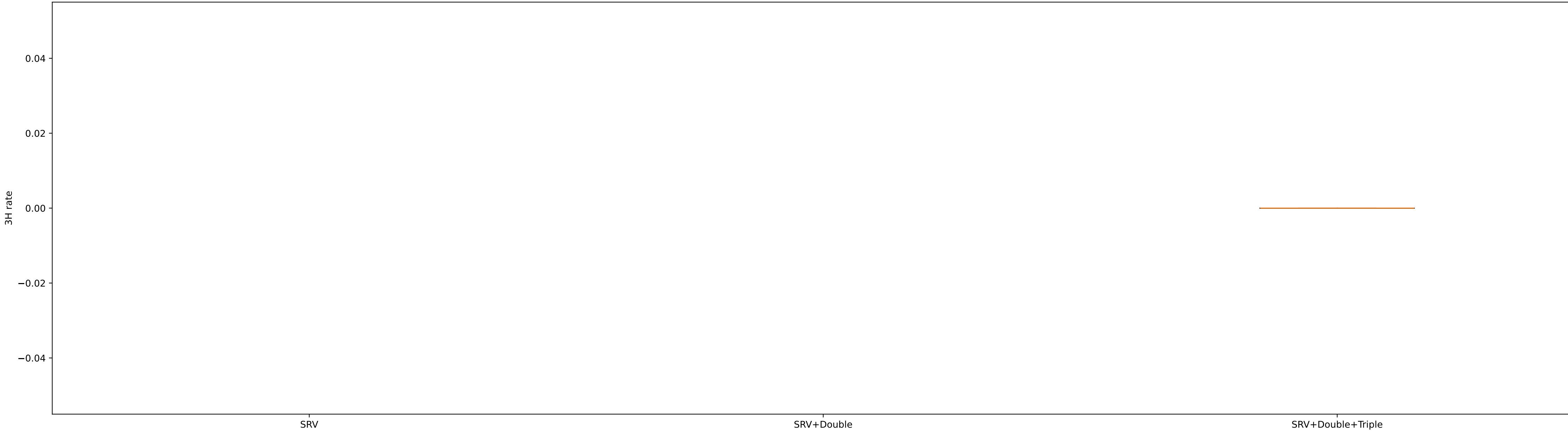
2H rates (test) by run type

6

3H rates (reference) by run type

3H rates (test) by run type

8

	replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.0429	2.39	0.3615	0.4175	
	2		0.0213	4.27	0.3615	0.4175	
	3		0.0415	2.39	0.3615	0.4175	
	4	0.4175	0.0424	2.37	0.3615	0.4175	
	5		0.0217	4.19	0.3615	0.4175	
	6		0.0229	20.29	0.3615	0.4175	
	7	0.4175	0.0248	3.3	0.3615	0.4175	
	8	0.4175	0.0252	3.25	0.3615	0.4175	
	9	0.4175	0.0255	3.19	0.3615	0.4175	
	10		nan	nan	0.3615	0.4175	

	replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.7074	1.74	0.3615	0.4175	
	2		0.7708	1.74	0.3615	0.4175	
	3		0.7252	1.67	0.3615	0.4175	
	4	0.4175	0.6947	1.66	0.3615	0.4175	
	5		0.6393	5.81	0.3615	0.4175	
	6		0.7164	1.75	0.3615	0.4175	
	7	0.4175	0.7128	1.82	0.3615	0.4175	
	8	0.4175	0.637	5.57	0.3615	0.4175	
	9	0.4175	0.7472	1.67	0.3615	0.4175	
	10		0.7276	1.78	0.3615	0.4175	

	replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.7033	1.66	0.3615	0.4175	
	2		0.6333	5.89	0.3615	0.4175	
	3		0.7063	1.67	0.3615	0.4175	
	4		0.6958	1.63	0.3615	0.4175	
	5		0.2867	4.4	0.3615	0.4175	
	6		0.6342	11.37	0.3615	0.4175	
	7		0.7052	1.69	0.3615	0.4175	
	8		0.706	1.69	0.3615	0.4175	
	9		0.7274	1.66	0.3615	0.4175	
	10		0.6966	1.66	0.3615	0.4175	

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

test	Negative selection	0.186	80.575	SRV+Double
test	Negative selection	0.243	6.683	SRV+Double
reference	Diversifying selection	1.027	22.144	SRV+Double
reference	Negative selection	0.0	54.642	SRV+Double
reference	Negative selection	0.593	23.214	SRV+Double
test	Diversifying selection	1.166	22.144	SRV+Double
test	Diversifying selection	1.027	22.144	SRV+Double
test	Negative selection	0.0	54.642	SRV+Double
test	Negative selection	0.048	23.214	SRV+Double
test	Negative selection	0.0	54.642	SRV+Double
test	Negative selection	0.593	23.214	SRV+Double
reference	Diversifying selection	1.018	22.742	SRV+Double
reference	Negative selection	0.0	55.355	SRV+Double
reference	Negative selection	0.6	21.903	SRV+Double
test	Diversifying selection	1.018	22.742	SRV+Double
test	Negative selection	0.0	55.355	SRV+Double
test	Negative selection	0.6	21.903	SRV+Double
reference	Diversifying selection	1.455	12.73	SRV+Double
reference	Negative selection	0.067	47.804	SRV+Double
reference	Negative selection	0.369	39.466	SRV+Double
test	Diversifying selection	1.925	12.73	SRV+Double
test	Diversifying selection	1.455	12.73	SRV+Double
test	Negative selection	0.009	47.804	SRV+Double
test	Negative selection	0.175	39.466	SRV+Double
test	Negative selection	0.067	47.804	SRV+Double
test	Negative selection	0.369	39.466	SRV+Double
reference	Diversifying selection	1.41	14.741	SRV+Double
reference	Negative selection	0.076	55.279	SRV+Double
reference	Negative selection	0.38	29.98	SRV+Double
test	Diversifying selection	1.41	14.741	SRV+Double
test	Negative selection	0.076	55.279	SRV+Double
test	Negative selection	0.38	29.98	SRV+Double
reference	Diversifying selection	1.356	14.625	SRV+Double
reference	Negative selection	0.048	46.232	SRV+Double
reference	Negative selection	0.363	39.143	SRV+Double
test	Diversifying selection	1.74	14.625	SRV+Double
test	Diversifying selection	1.356	14.625	SRV+Double
test	Negative selection	0.004	46.232	SRV+Double
test	Negative selection	0.158	39.143	SRV+Double
test	Negative selection	0.048	46.232	SRV+Double
test	Negative selection	0.363	39.143	SRV+Double
reference	Diversifying selection	1.352	15.908	SRV+Double
reference	Negative selection	0.05	50.348	SRV+Double
reference	Negative selection	0.366	33.745	SRV+Double
test	Diversifying selection	1.352	15.908	SRV+Double
test	Negative selection	0.05	50.348	SRV+Double
test	Negative selection	0.366	33.745	SRV+Double
reference	Diversifying selection	1.722	19.941	SRV+Double
reference	Negative selection	0.0	54.939	SRV+Double

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

class_id	syn_rate	proportion_percent	run_type
1	0.205	36.906	SRV
2	1.361	0.0	SRV
3	1.465	63.094	SRV
1	0.219	32.333	SRV
2	0.219	5.607	SRV
3	1.478	62.06	SRV
1	0.201	36.616	SRV
2	0.837	0.0	SRV
3	1.462	63.384	SRV
1	0.205	36.93	SRV
2	1.311	0.0	SRV
3	1.465	63.07	SRV
1	0.197	5.04	SRV
2	0.214	32.387	SRV
3	1.471	62.573	SRV
1	0.203	2.785	SRV
2	0.219	34.958	SRV
3	1.474	62.257	SRV
1	0.216	37.772	SRV
2	1.458	0.0	SRV
3	1.476	62.228	SRV
1	0.218	34.301	SRV
2	0.223	3.64	SRV
3	1.478	62.059	SRV
1	0.218	34.94	SRV
2	0.222	2.951	SRV
3	1.477	62.109	SRV

	reference	2H	0.0	SRV+Double	
	test	2H	0.6562	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.6264	SRV+Double	
	test	2H	0.7586	SRV+Double	

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

	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.6415	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.6245	SRV+Double+Triple	
	test	2H	0.7749	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.7244	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.6285	SRV+Double+Triple	
	test	2H	0.7558	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.6395	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.6232	SRV+Double+Triple	
	test	2H	0.7747	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.641	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.6233	SRV+Double+Triple	
	test	2H	0.7743	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	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	0.0	SRV+Double+Triple	
	test	2H	0.6247	SRV+Double+Triple	
	test	2H	0.7583	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	