RELAX Combined Report
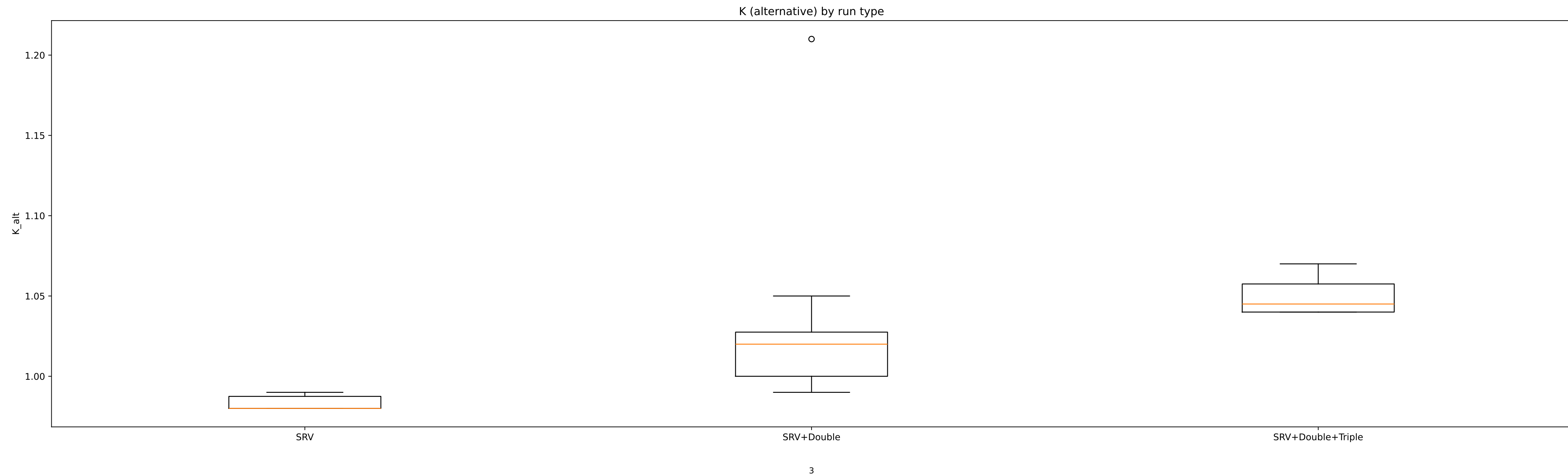
SRV vs SRV+Double vs SRV+Double+Triple
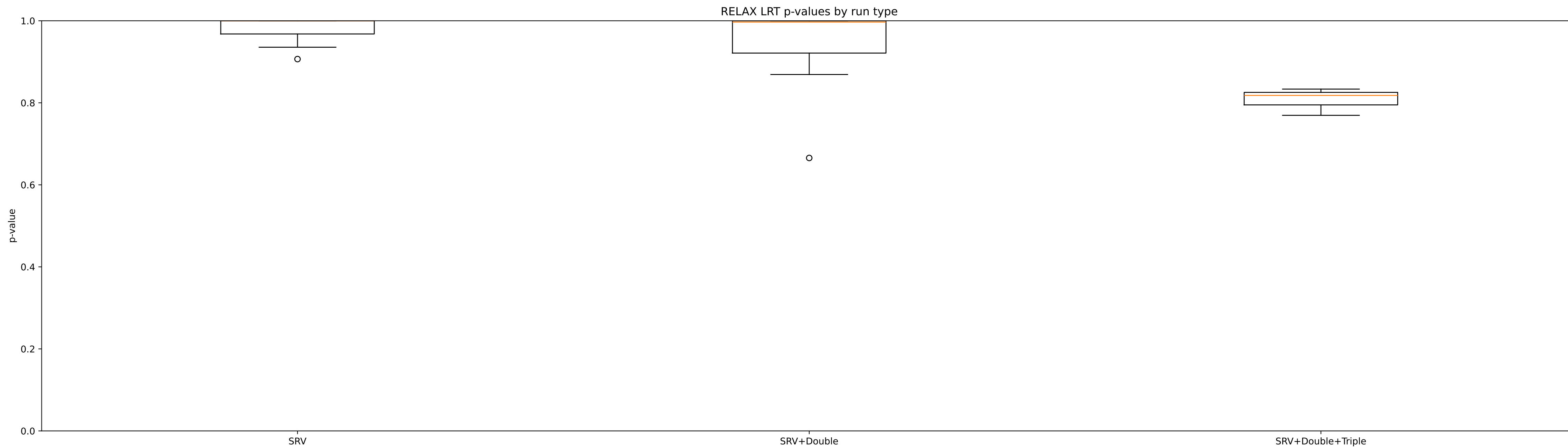
Includes:

- Run-type summary

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

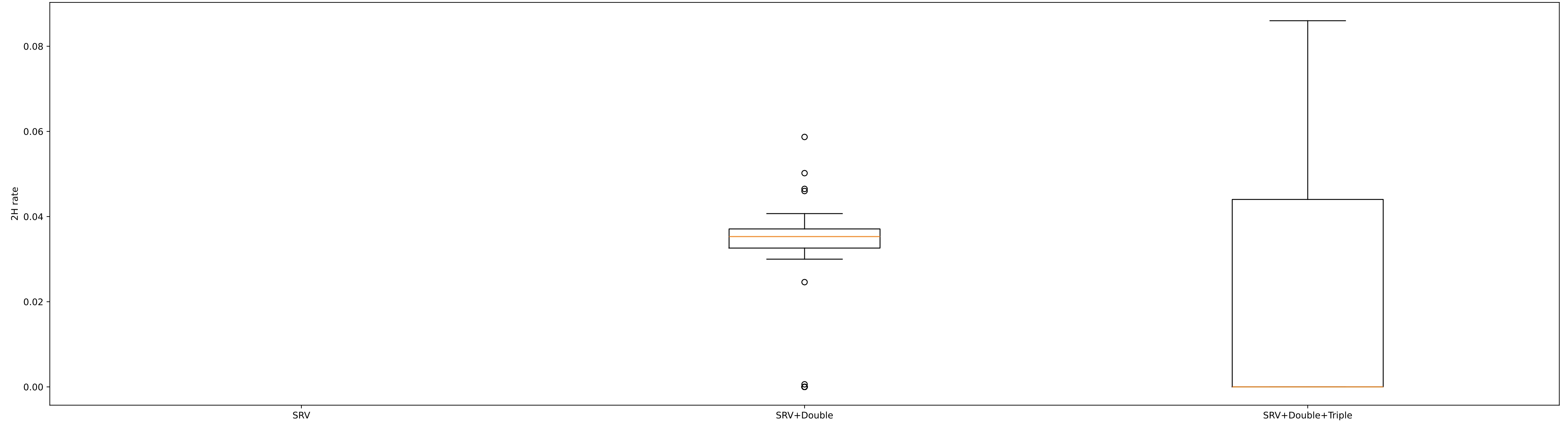- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

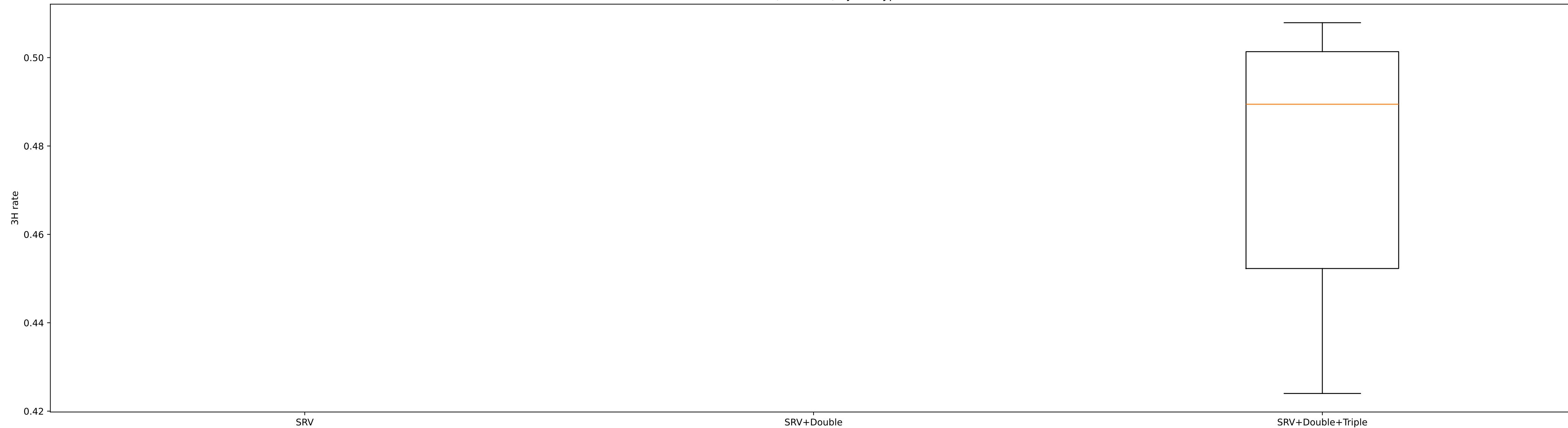| p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_median	omega_test_median	warnings_count	2H_reference_median	2H_test_median
1.0	0.9066	1.0	0.98	0.98	0.99	0.2347	0.2107	10	nan	nan
0.9968	0.6655	1.0	1.02	0.99	1.21	0.2347	0.2107	10	0.0353	0.0
0.818	0.7694	0.8334	1.045	1.04	1.07	0.2347	0.2107	10	0.0	0.0

K (alternative) by run type

RELAX LRT p-values by run type

2H rates (reference) by run type

5

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	1.0	0.98	0.2347	0.2107	
	2	0.9672	0.98	0.2347	0.2107	
	3	1.0	0.98	0.2347	0.2107	
	4	1.0	0.99	0.2347	0.2107	
	5	0.9066	0.98	0.2347	0.2107	
	6	0.9699	0.99	0.2347	0.2107	
	7	1.0	0.99	0.2347	0.2107	
	8	1.0	0.98	0.2347	0.2107	
	9	0.9355	0.98	0.2347	0.2107	
	10	1.0	0.98	0.2347	0.2107	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	1.0	0.2347	0.2107	
	2	0.9246	1.02	0.2347	0.2107	
	3	0.9936	0.99	0.2347	0.2107	
	4	1.0	1.0	0.2347	0.2107	
	5	1.0	1.02	0.2347	0.2107	
	6	1.0	1.02	0.2347	0.2107	
	7	0.9201	1.03	0.2347	0.2107	
	8	1.0	1.0	0.2347	0.2107	
	9	0.6655	1.21	0.2347	0.2107	
	10	0.869	1.05	0.2347	0.2107	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.8274	1.04	0.2347	0.2107	
2	0.7761	1.07	0.2347	0.2107	
3	0.8071	1.05	0.2347	0.2107	
4	0.8334	1.04	0.2347	0.2107	
5	0.7909	1.06	0.2347	0.2107	
6	0.7694	1.07	0.2347	0.2107	
7	0.8213	1.04	0.2347	0.2107	
8	0.8186	1.05	0.2347	0.2107	
9	0.8268	1.04	0.2347	0.2107	
10	0.8174	1.04	0.2347	0.2107	

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

	test		Negative selection	0.095	82.92	SRV+Double
	test		Negative selection	0.931	17.08	SRV+Double
	test		Neutral evolution	1.0	0.0	SRV+Double
	test		Neutral evolution	1.0	0.0	SRV+Double
	reference		Diversifying selection	6.468	0.0	SRV+Double
	reference		Negative selection	0.095	82.925	SRV+Double
	reference		Negative selection	0.931	17.075	SRV+Double
	test		Diversifying selection	6.468	0.0	SRV+Double
	test		Negative selection	0.095	82.925	SRV+Double
	test		Negative selection	0.931	17.075	SRV+Double
	reference		Diversifying selection	3.086	0.0	SRV+Double
	reference		Negative selection	0.074	77.363	SRV+Double
	reference		Negative selection	0.799	22.637	SRV+Double
	test		Diversifying selection	3.146	0.0	SRV+Double
	test		Diversifying selection	3.086	0.0	SRV+Double
	test		Negative selection	0.07	77.363	SRV+Double
	test		Negative selection	0.796	22.637	SRV+Double
	test		Negative selection	0.074	77.363	SRV+Double
	test		Negative selection	0.799	22.637	SRV+Double
	reference		Diversifying selection	2.125	0.0	SRV+Double
	reference		Negative selection	0.067	76.512	SRV+Double
	reference		Negative selection	0.79	23.488	SRV+Double
	test		Diversifying selection	2.125	0.0	SRV+Double
	test		Negative selection	0.067	76.512	SRV+Double
	test		Negative selection	0.79	23.488	SRV+Double
	reference		Diversifying selection	3.973	0.0	SRV+Double
	reference		Negative selection	0.077	77.968	SRV+Double
	reference		Negative selection	0.81	22.032	SRV+Double
	test		Diversifying selection	4.075	0.0	SRV+Double
	test		Diversifying selection	3.973	0.0	SRV+Double
	test		Negative selection	0.073	77.968	SRV+Double
	test		Negative selection	0.807	22.032	SRV+Double
	test		Negative selection	0.077	77.968	SRV+Double
	test		Negative selection	0.81	22.032	SRV+Double
	reference		Diversifying selection	2.64	0.0	SRV+Double
	reference		Negative selection	0.069	76.954	SRV+Double
	reference		Negative selection	0.797	23.046	SRV+Double
	test		Diversifying selection	2.64	0.0	SRV+Double
	test		Negative selection	0.069	76.954	SRV+Double
	test		Negative selection	0.797	23.046	SRV+Double
	reference		Negative selection	0.0	45.06	SRV+Double
	reference		Negative selection	0.27	42.462	SRV+Double
	reference		Neutral evolution	1.0	12.477	SRV+Double
	test		Negative selection	0.0	45.06	SRV+Double
	test		Negative selection	0.26	42.462	SRV+Double
	test		Negative selection	0.0	45.06	SRV+Double
	test		Negative selection	0.27	42.462	SRV+Double
	test		Neutral evolution	1.0	12.477	SRV+Double
	test		Neutral evolution	1.0	12.477	SRV+Double
	reference		Negative selection	0.0	45.235	SRV+Double

class_id	syn_rate	proportion_percent	run_type
1	0.0	7.444	SRV
2	1.08	89.583	SRV
3	1.08	2.973	SRV
1	0.0	7.377	SRV
2	1.08	1.522	SRV
3	1.08	91.102	SRV
1	0.0	7.434	SRV
2	1.08	4.327	SRV
3	1.08	88.239	SRV
1	0.0	0.084	SRV
2	0.0	7.28	SRV
3	1.079	92.636	SRV
1	0.0	7.435	SRV
2	1.08	5.757	SRV
3	1.08	86.808	SRV
1	0.0	7.369	SRV
2	1.08	16.474	SRV
3	1.08	76.157	SRV
1	0.0	7.407	SRV
2	1.08	88.202	SRV
3	1.08	4.391	SRV
1	0.0	7.064	SRV
2	0.0	0.401	SRV
3	1.081	92.536	SRV
1	0.0	7.442	SRV
2	0.0	0.0	SRV
3	1.08	92.558	SRV
1	0.0	7.437	SRV
2	1.08	79.111	SRV
3	1.08	13.452	SRV

test	2H	0.0	SRV+Double
reference	2H	0.0465	SRV+Double
reference	2H	0.0373	SRV+Double
test	2H	0.0	SRV+Double
reference	2H	0.0376	SRV+Double
reference	2H	0.0	SRV+Double
test	2H	0.0	SRV+Double
reference	2H	0.0715	SRV+Double+Triple
reference	2H	0.0	SRV+Double+Triple
reference	3H	0.4671	SRV+Double+Triple
reference	3H	0.5049	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	0.4994	SRV+Double+Triple
reference	3H	0.4529	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.0438	SRV+Double+Triple
reference	2H	0.0	SRV+Double+Triple
reference	3H	0.4354	SRV+Double+Triple
reference	3H	0.4971	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	0.4965	SRV+Double+Triple
reference	3H	0.452	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.0574	SRV+Double+Triple
reference	2H	0.0	SRV+Double+Triple
reference	3H	0.4524	SRV+Double+Triple
reference	3H	0.5067	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	0.5018	SRV+Double+Triple
reference	3H	0.4525	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.0505	SRV+Double+Triple
reference	2H	0.0	SRV+Double+Triple
reference	3H	0.4434	SRV+Double+Triple
reference	3H	0.503	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	0.4967	SRV+Double+Triple
reference	3H	0.4522	SRV+Double+Triple