RELAX Combined Report

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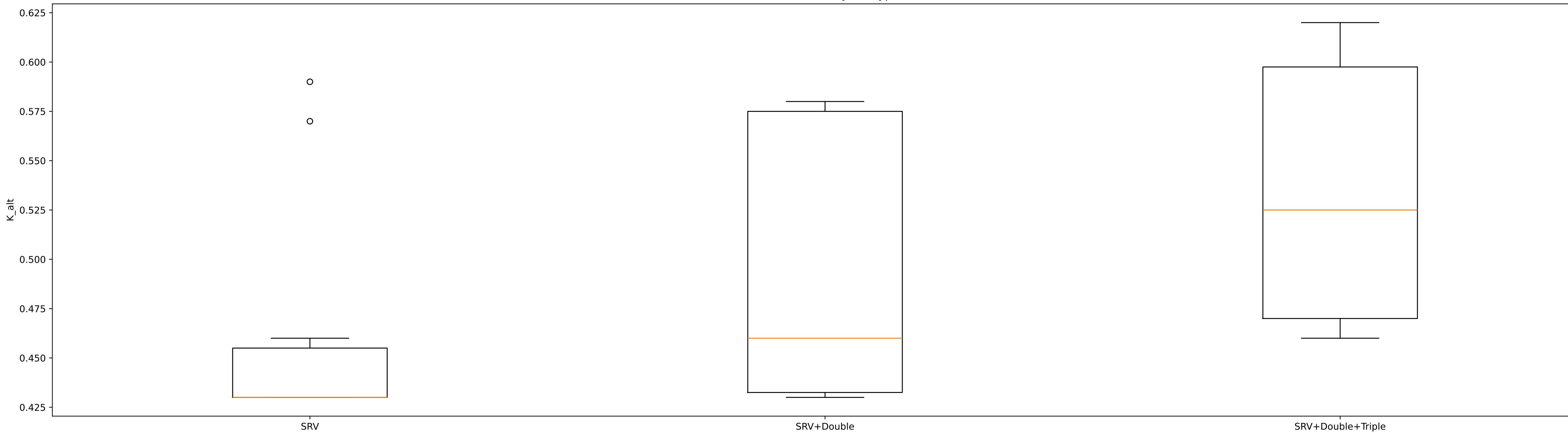
Includes:

- Run-type summary

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

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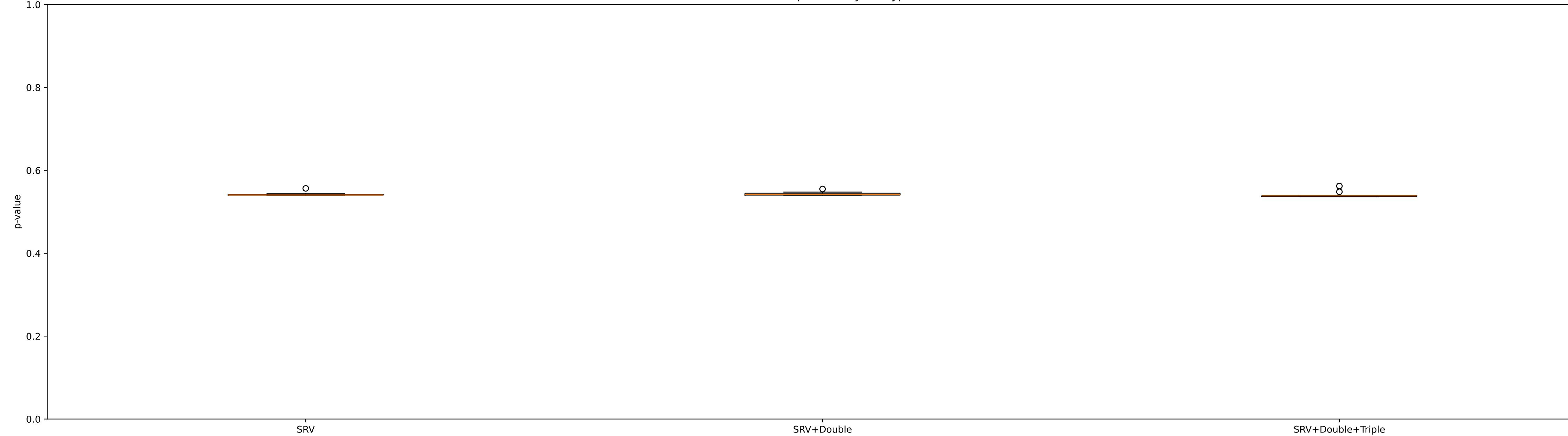
Run-type summary statistics

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
0.5407	0.5404	0.5565	0.43	0.43	0.59	0.2335	0.3855	10	nan	nan
0.5417	0.5403	0.555	0.46	0.43	0.58	0.2335	0.3855	10	0.0	0.0
0.5384	0.5365	0.5622	0.525	0.46	0.62	0.2335	0.3855	10	0.0	0.0

K (alternative) by run type

RELAX LRT p-values by run type

p-value

1.0

0.8

0.6

0.4

0.2

0.0

SRV   SRV+Double   SRV+Double+Triple
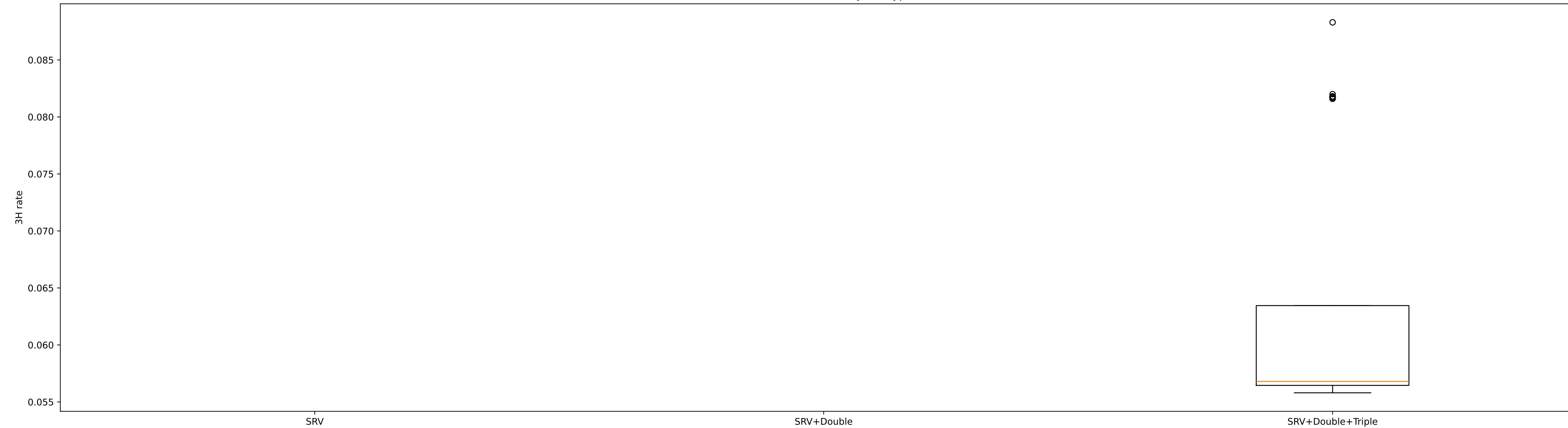
2H rates (reference) by run type
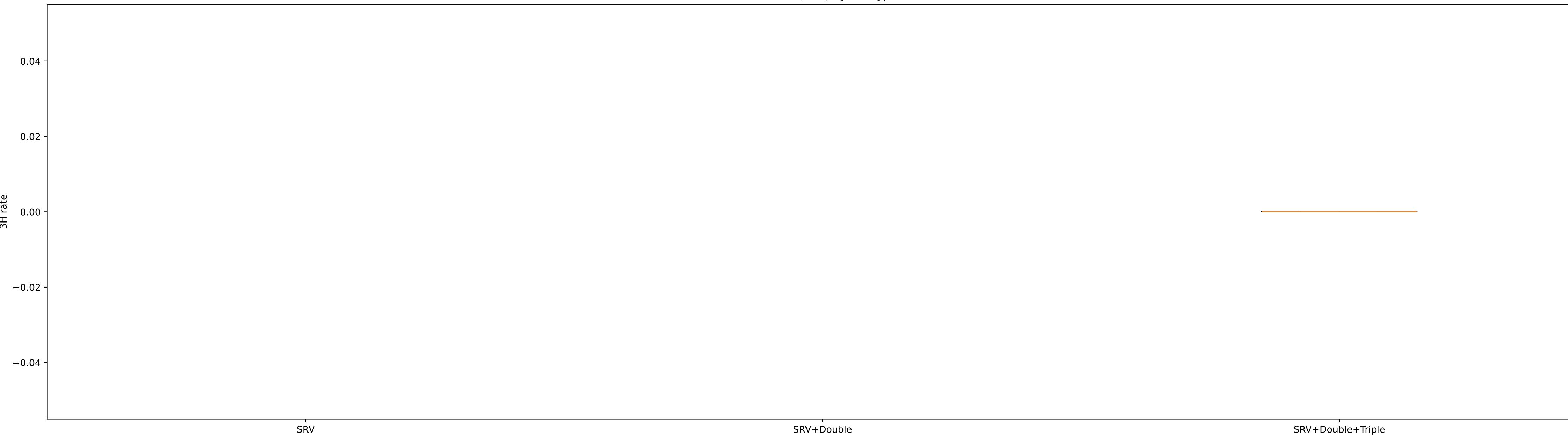
2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.5405	0.43	0.2336	0.3857	
	2	0.5565	0.59	0.2335	0.3855	
	3	0.5408	0.43	0.2336	0.3857	
	4	0.5406	0.43	0.2336	0.3857	
	5	0.5405	0.43	0.2335	0.3855	
	6	0.5436	0.57	0.2335	0.3855	
	7	0.5404	0.44	0.2335	0.3855	
	8	0.5406	0.43	0.2335	0.3855	
	9	0.5408	0.43	0.2335	0.3855	
	10	0.5423	0.46	0.2335	0.3855	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.5428	0.46	0.2335	0.3855	
	2	0.5405	0.44	0.2335	0.3855	
	3	0.5404	0.43	0.2335	0.3855	
	4	0.5407	0.46	0.2335	0.3855	
	5	0.5475	0.58	0.2335	0.3855	
	6	0.5403	0.43	0.2335	0.3855	
	7	0.5404	0.43	0.2336	0.3857	
	8	0.5427	0.56	0.2335	0.3855	
	9	0.5455	0.58	0.2335	0.3855	
	10	0.555	0.58	0.2335	0.3855	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.5374	0.46	0.2336	0.3857	
2	0.5381	0.47	0.2335	0.3855	
3	0.5365	0.62	0.2335	0.3855	
4	0.5387	0.58	0.2335	0.3855	
5	0.5385	0.47	0.2335	0.3855	
6	0.5383	0.47	0.2335	0.3855	
7	0.5483	0.6	0.2335	0.3855	
8	0.5375	0.59	0.2336	0.3857	
9	0.5622	0.6	0.2335	0.3855	
10	0.5388	0.47	0.2335	0.3855	

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

	Group	Selection	Value 1	Value 2	Model	
	test	Negative selection	0.0	41.309	SRV+Double	
	test	Negative selection	0.654	58.691	SRV+Double	
	test	Negative selection	0.0	41.309	SRV+Double	
	test	Negative selection	0.393	58.691	SRV+Double	
	reference	Diversifying selection	1.153	0.0	SRV+Double	
	reference	Negative selection	0.0	41.657	SRV+Double	
	reference	Negative selection	0.397	58.343	SRV+Double	
	test	Diversifying selection	1.153	0.0	SRV+Double	
	test	Negative selection	0.0	41.657	SRV+Double	
	test	Negative selection	0.397	58.343	SRV+Double	
	reference	Diversifying selection	1.002	0.0	SRV+Double	
	reference	Negative selection	0.064	60.656	SRV+Double	
	reference	Negative selection	0.491	39.344	SRV+Double	
	test	Diversifying selection	1.001	0.0	SRV+Double	
	test	Diversifying selection	1.002	0.0	SRV+Double	
	test	Negative selection	0.204	60.656	SRV+Double	
	test	Negative selection	0.663	39.344	SRV+Double	
	test	Negative selection	0.064	60.656	SRV+Double	
	test	Negative selection	0.491	39.344	SRV+Double	
	reference	Diversifying selection	1.075	0.0	SRV+Double	
	reference	Negative selection	0.057	59.054	SRV+Double	
	reference	Negative selection	0.486	40.946	SRV+Double	
	test	Diversifying selection	1.075	0.0	SRV+Double	
	test	Negative selection	0.057	59.054	SRV+Double	
	test	Negative selection	0.486	40.946	SRV+Double	
	reference	Diversifying selection	1.002	0.0	SRV+Double	
	reference	Negative selection	0.0	43.548	SRV+Double	
	reference	Negative selection	0.41	56.452	SRV+Double	
	test	Diversifying selection	1.001	0.0	SRV+Double	
	test	Diversifying selection	1.002	0.0	SRV+Double	
	test	Negative selection	0.0	43.548	SRV+Double	
	test	Negative selection	0.68	56.452	SRV+Double	
	test	Negative selection	0.0	43.548	SRV+Double	
	test	Negative selection	0.41	56.452	SRV+Double	
	reference	Diversifying selection	1.155	0.0	SRV+Double	
	reference	Negative selection	0.0	43.586	SRV+Double	
	reference	Negative selection	0.412	56.414	SRV+Double	
	test	Diversifying selection	1.155	0.0	SRV+Double	
	test	Negative selection	0.0	43.586	SRV+Double	
	test	Negative selection	0.412	56.414	SRV+Double	
	reference	Diversifying selection	1.002	0.0	SRV+Double	
	reference	Negative selection	0.0	43.505	SRV+Double	
	reference	Negative selection	0.409	56.495	SRV+Double	
	test	Diversifying selection	1.001	0.0	SRV+Double	
	test	Diversifying selection	1.002	0.0	SRV+Double	
	test	Negative selection	0.0	43.505	SRV+Double	
	test	Negative selection	0.68	56.495	SRV+Double	
	test	Negative selection	0.0	43.505	SRV+Double	
	test	Negative selection	0.409	56.495	SRV+Double	
	reference	Diversifying selection	1.163	0.0	SRV+Double	

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

class_id	syn_rate	proportion_per cent	run_type
1	0.0	10.108	SRV
2	0.943	78.763	SRV
3	2.315	11.128	SRV
1	0.0	10.135	SRV
2	0.944	78.698	SRV
3	2.305	11.166	SRV
1	0.0	10.122	SRV
2	0.943	78.817	SRV
3	2.319	11.061	SRV
1	0.0	10.115	SRV
2	0.943	78.8	SRV
3	2.318	11.085	SRV
1	0.0	10.116	SRV
2	0.943	78.794	SRV
3	2.317	11.091	SRV
1	0.0	10.068	SRV
2	0.939	78.24	SRV
3	2.273	11.692	SRV
1	0.0	10.122	SRV
2	0.943	78.825	SRV
3	2.319	11.053	SRV
1	0.0	10.117	SRV
2	0.943	78.799	SRV
3	2.318	11.083	SRV
1	0.0	10.116	SRV
2	0.943	78.818	SRV
3	2.319	11.066	SRV
1	0.0	10.135	SRV
2	0.944	78.943	SRV
3	2.332	10.922	SRV

reference	2H	0.0	SRV+Double+Triple
reference	3H	0.0562	SRV+Double+Triple
reference	3H	0.0565	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	0.0818	SRV+Double+Triple
reference	3H	0.0571	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	0.0567	SRV+Double+Triple
reference	3H	0.0569	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	0.0817	SRV+Double+Triple
reference	3H	0.0574	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	0.0571	SRV+Double+Triple
reference	3H	0.0572	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	0.0818	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
reference	3H	0.0558	SRV+Double+Triple
reference	3H	0.0562	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	0.0571	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	0.0566	SRV+Double+Triple
reference	3H	0.0567	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	0.0818	SRV+Double+Triple
reference	3H	0.0572	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple