RELAX Combined Report

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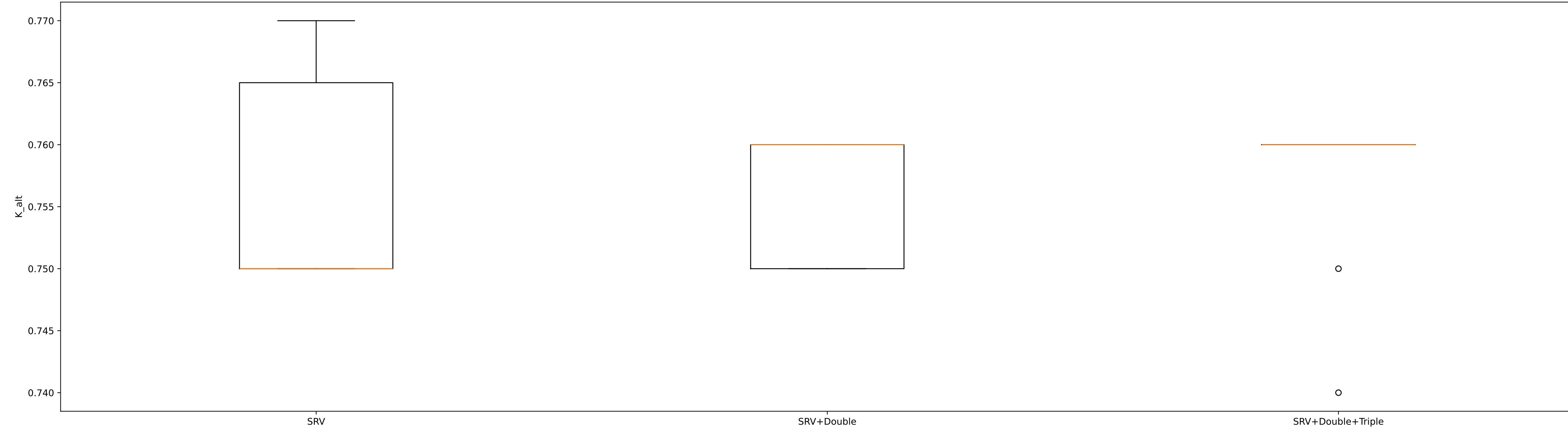
Includes:

- Run-type summary

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

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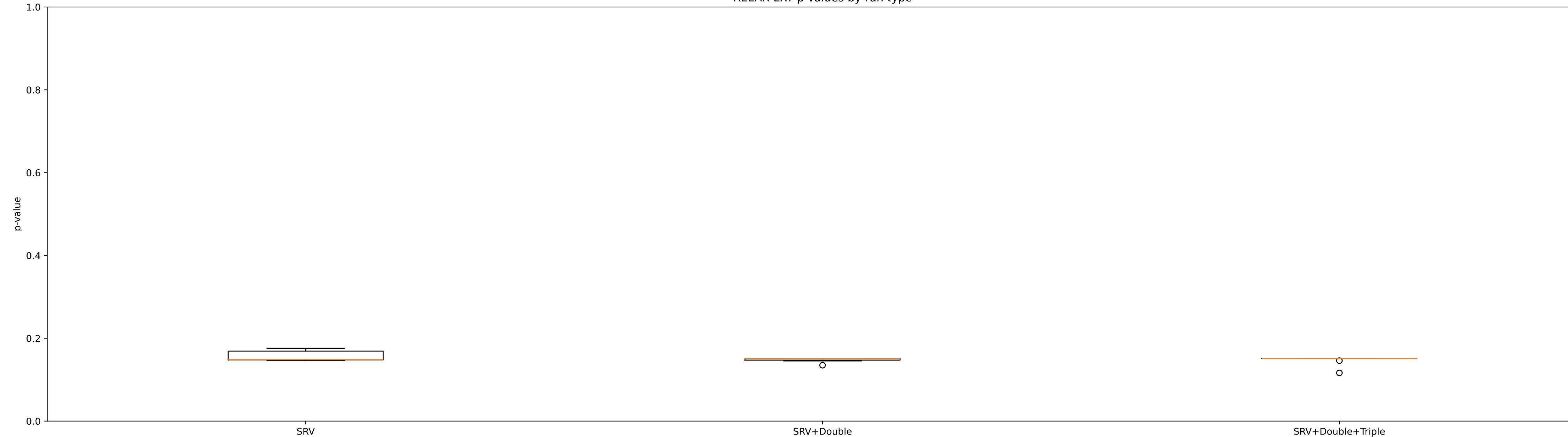
Run-type summary statistics

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
0.1482	0.1458	0.176	0.75	0.75	0.77	0.1474	0.2373	10	nan	nan
0.151	0.135	0.1511	0.76	0.75	0.76	0.1474	0.2373	10	0.0781	0.0
0.151	0.1165	0.1512	0.76	0.74	0.76	0.1474	0.2373	10	0.0861	0.0
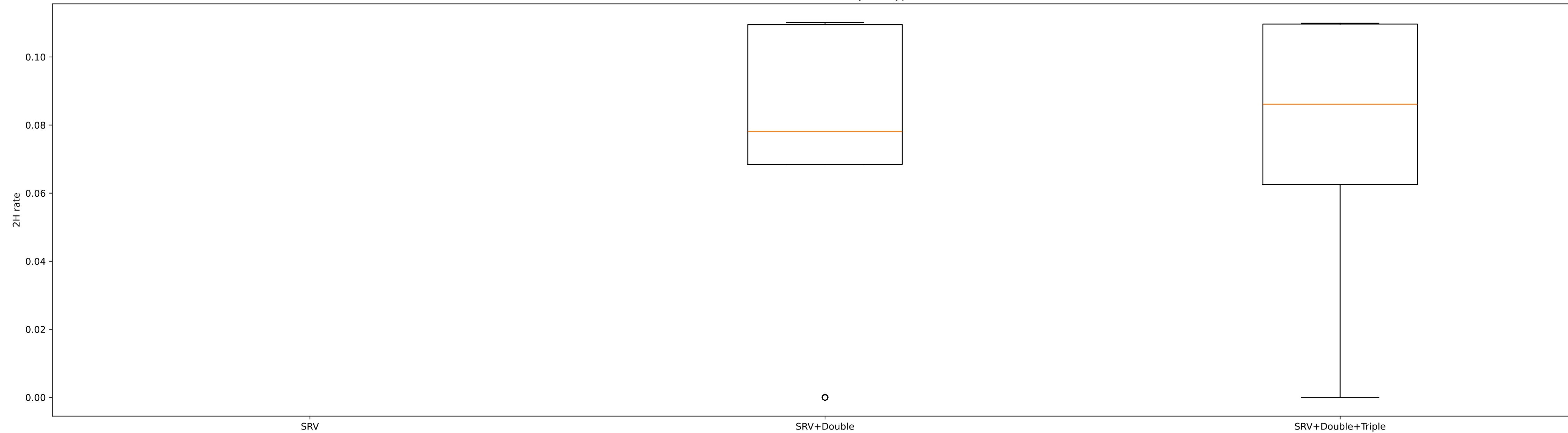
K (alternative) by run type

K_alt

SRV SRV+Double SRV+Double+Triple

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RELAX LRT p-values by run type

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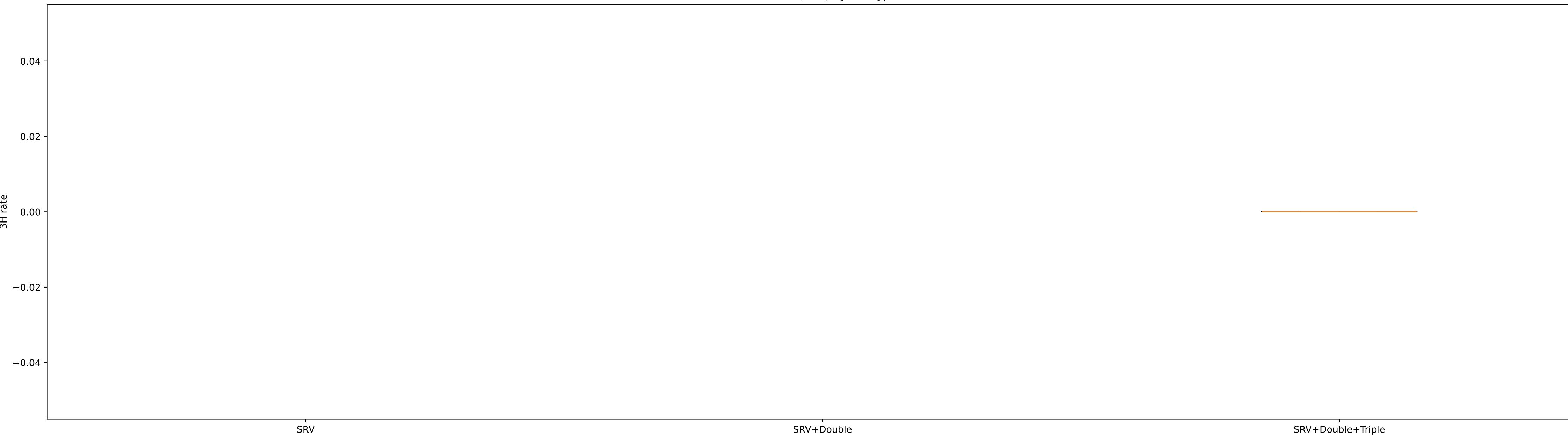
2H rates (test) by run type

3H rates (reference) by run type

3H rate

SRV   SRV+Double   SRV+Double+Triple

3H rates (test) by run type

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	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.1758	0.77	0.1474	0.2373	
	2	0.1482	0.75	0.1473	0.2374	
	3	0.1483	0.75	0.1474	0.2373	
	4	0.1458	0.75	0.1474	0.2373	
	5	0.148	0.75	0.1474	0.2373	
	6	0.1478	0.75	0.1474	0.2373	
	7	0.176	0.77	0.1474	0.2373	
	8	0.1485	0.75	0.1473	0.2374	
	9	0.1478	0.75	0.1474	0.2373	
	10	0.1758	0.77	0.1474	0.2373	

replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1		0.1511	0.76	0.1473	0.2374	
2		0.1489	0.75	0.1474	0.2373	
3		0.135	0.75	0.1474	0.2373	
4		0.1453	0.75	0.1474	0.2373	
5		0.151	0.76	0.1473	0.2374	
6		0.1468	0.75	0.1474	0.2373	
7		0.1511	0.76	0.1474	0.2373	
8		0.1511	0.76	0.1473	0.2374	
9		0.151	0.76	0.1473	0.2374	
10		0.151	0.76	0.1474	0.2373	

replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1		0.1165	0.74	0.1474	0.2373	
2		0.151	0.76	0.1474	0.2373	
3		0.1511	0.76	0.1473	0.2374	
4		0.1512	0.76	0.1474	0.2373	
5		0.151	0.76	0.1474	0.2373	
6		0.151	0.76	0.1474	0.2373	
7		0.151	0.76	0.1474	0.2373	
8		0.1512	0.76	0.1474	0.2373	
9		0.146	0.75	0.1474	0.2373	
10		0.1511	0.76	0.1474	0.2373	

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

	test	Negative selection	0.223	1.093	SRV+Double	
	test	Negative selection	0.226	98.881	SRV+Double	
	test	Negative selection	0.135	1.093	SRV+Double	
	test	Negative selection	0.137	98.881	SRV+Double	
	reference	Negative selection	0.169	1.116	SRV+Double	
	reference	Negative selection	0.17	98.859	SRV+Double	
	test	Negative selection	0.169	1.116	SRV+Double	
	test	Negative selection	0.17	98.859	SRV+Double	
	reference	Diversifying selection	1.135	0.0	SRV+Double	
	reference	Negative selection	0.0	0.0	SRV+Double	
	reference	Negative selection	0.138	100.0	SRV+Double	
	test	Diversifying selection	1.1	0.0	SRV+Double	
	test	Diversifying selection	1.135	0.0	SRV+Double	
	test	Negative selection	0.003	0.0	SRV+Double	
	test	Negative selection	0.224	100.0	SRV+Double	
	test	Negative selection	0.0	0.0	SRV+Double	
	test	Negative selection	0.138	100.0	SRV+Double	
	reference	Diversifying selection	1.758	0.0	SRV+Double	
	reference	Negative selection	0.002	0.0	SRV+Double	
	reference	Negative selection	0.171	100.0	SRV+Double	
	test	Diversifying selection	1.758	0.0	SRV+Double	
	test	Negative selection	0.002	0.0	SRV+Double	
	test	Negative selection	0.171	100.0	SRV+Double	
	reference	Diversifying selection	778614.274	0.026	SRV+Double	
	reference	Negative selection	0.136	1.027	SRV+Double	
	reference	Negative selection	0.138	98.947	SRV+Double	
	test	Diversifying selection	27254.754	0.026	SRV+Double	
	test	Diversifying selection	778614.274	0.026	SRV+Double	
	test	Negative selection	0.222	1.027	SRV+Double	
	test	Negative selection	0.225	98.947	SRV+Double	
	test	Negative selection	0.136	1.027	SRV+Double	
	test	Negative selection	0.138	98.947	SRV+Double	
	reference	Negative selection	0.17	98.903	SRV+Double	
	reference	Negative selection	0.171	1.071	SRV+Double	
	test	Negative selection	0.17	98.903	SRV+Double	
	test	Negative selection	0.171	1.071	SRV+Double	
	reference	Diversifying selection	1.259	0.0	SRV+Double	
	reference	Negative selection	0.0	0.0	SRV+Double	
	reference	Negative selection	0.139	100.0	SRV+Double	
	test	Diversifying selection	1.19	0.0	SRV+Double	
	test	Diversifying selection	1.259	0.0	SRV+Double	
	test	Negative selection	0.0	0.0	SRV+Double	
	test	Negative selection	0.224	100.0	SRV+Double	
	test	Negative selection	0.0	0.0	SRV+Double	
	test	Negative selection	0.139	100.0	SRV+Double	
	reference	Diversifying selection	2.062	0.0	SRV+Double	
	reference	Negative selection	0.001	0.0	SRV+Double	
	reference	Negative selection	0.121	100.0	SRV+Double	
	test	Diversifying selection	2.062	0.0	SRV+Double	
		Negative s				

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	44.876	SRV	
	2	1.814	55.124	SRV	
	3	1.891	0.0	SRV	
	1	0.001	14.349	SRV	
	2	0.001	29.649	SRV	
	3	1.785	56.002	SRV	
	1	0.001	30.941	SRV	
	2	0.001	13.009	SRV	
	3	1.784	56.05	SRV	
	1	0.0	33.134	SRV	
	2	0.0	10.769	SRV	
	3	1.783	56.097	SRV	
	1	0.0	28.621	SRV	
	2	0.0	14.571	SRV	
	3	1.76	56.808	SRV	
	1	0.0	6.453	SRV	
	2	0.0	36.767	SRV	
	3	1.761	56.781	SRV	
	1	0.0	8.373	SRV	
	2	0.0	36.485	SRV	
	3	1.814	55.142	SRV	
	1	0.001	10.734	SRV	
	2	0.001	33.279	SRV	
	3	1.785	55.987	SRV	
	1	0.0	10.137	SRV	
	2	0.0	33.035	SRV	
	3	1.759	56.828	SRV	
	1	0.0	41.14	SRV	
	2	0.0	3.725	SRV	
	3	1.814	55.136	SRV	

test	2H	0.0	SRV+Double	
reference	2H	0.086	SRV+Double	
reference	2H	0.1093	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.0615	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	0.0	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	
reference	2H	0.0618	SRV+Double+Triple	
reference	2H	0.1098	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	0.0859	SRV+Double+Triple	
reference	2H	0.1094	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	0.0628	SRV+Double+Triple	
reference	2H	0.1097	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	0.0863	SRV+Double+Triple	
reference	2H	0.1097	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	0.0615	SRV+Double+Triple	
reference	2H	0.1093	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	0.0861	SRV+Double+Triple	
reference	2H	0.1099	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	0.0625	SRV+Double+Triple	
reference	2H	0.1097	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	0.086	SRV+Double+Triple	
reference	2H	0.1097	SRV+Double+Triple	