RELAX Combined Report

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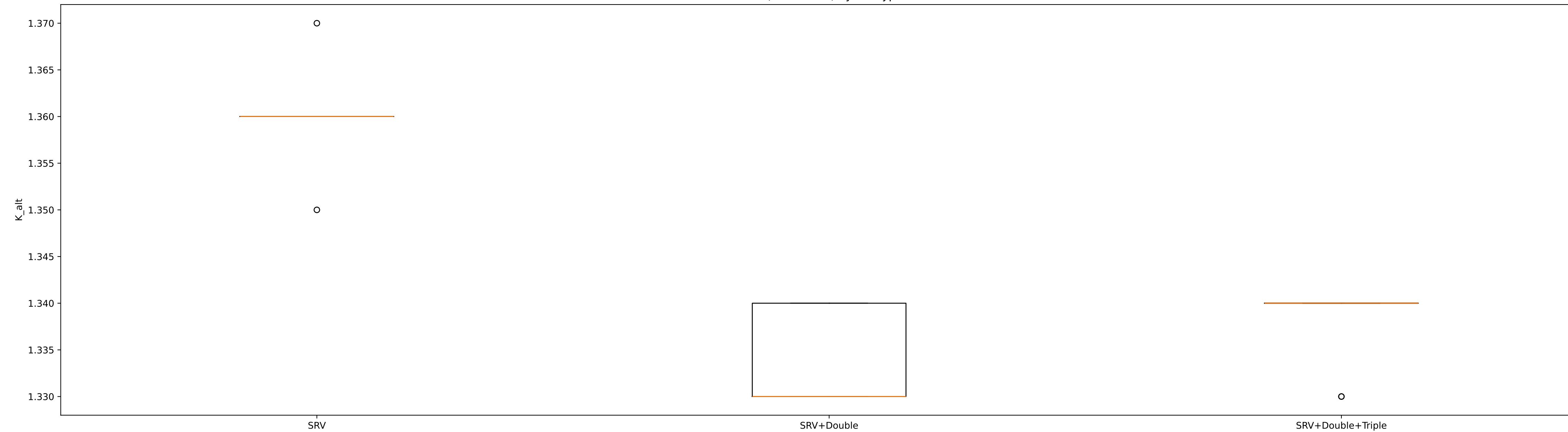
Includes:

- Run-type summary

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

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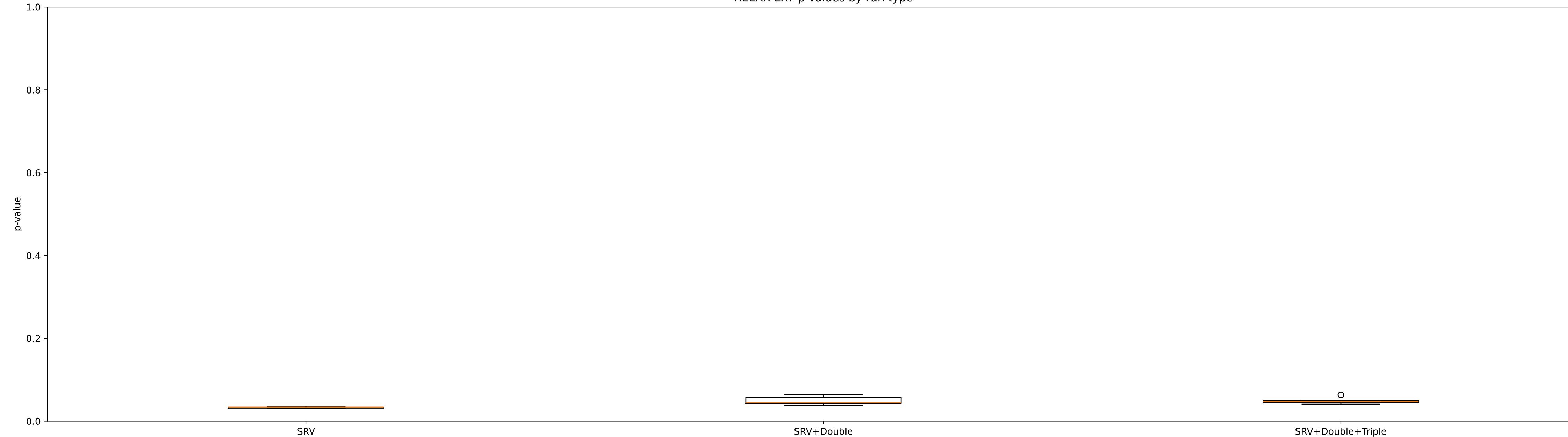
Run-type summary statistics

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
0.0338	0.0304	0.0344	1.36	1.35	1.37	0.2485	0.1865	1	nan	nan
0.0442	0.0376	0.0647	1.33	1.33	1.34	0.2485	0.1865	5	0.0591	0.0
0.0468	0.0408	0.0633	1.34	1.33	1.34	0.2485	0.1865	4	0.0599	0.0

K (alternative) by run type

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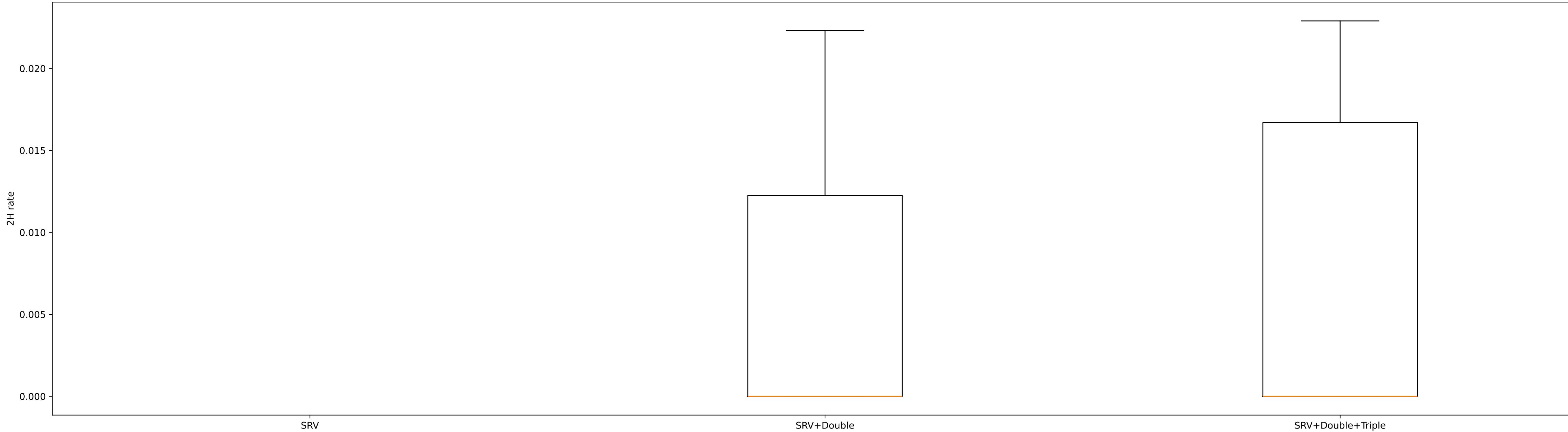
RELAX LRT p-values by run type

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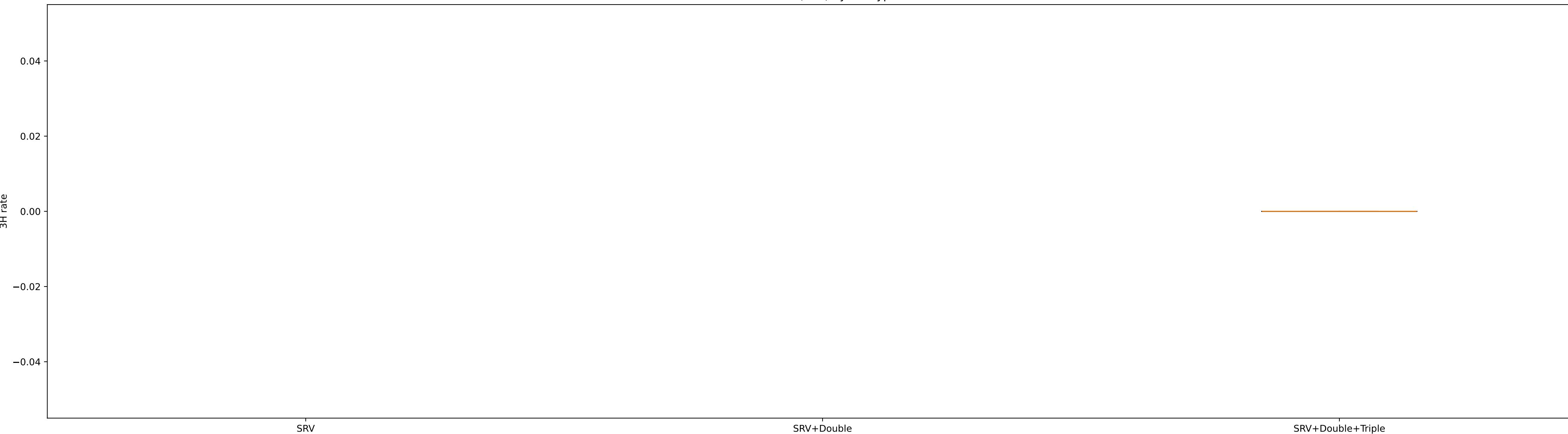
2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

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	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0339	1.35	0.2485	0.1865	
	2	0.0339	1.36	0.2484	0.1865	
	3	0.0311	1.37	0.2486	0.1866	
	4	0.0338	1.36	0.2485	0.1865	
	5	0.034	1.36	0.2485	0.1865	
	6	0.0304	1.36	0.2485	0.1865	
	7	0.0308	1.36	0.2485	0.1865	
	8	0.0344	1.36	0.2485	0.1865	
	9	0.0312	1.36	0.2485	0.1865	
	10	0.0343	1.36	0.2486	0.1867	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0621	1.33	0.2486	0.1866	
	2	0.0439	1.33	0.2486	0.1866	
	3	0.0376	1.33	0.2485	0.1865	
	4	0.0453	1.34	0.2485	0.1865	
	5	0.0422	1.34	0.2485	0.1865	
	6	0.0442	1.34	0.2484	0.1865	
	7	0.0411	1.33	0.2485	0.1865	
	8	0.0647	1.33	0.2485	0.1865	
	9	0.0441	1.34	0.2485	0.1865	
	10	0.0639	1.33	0.2485	0.1865	

replicate	global_dNdS_re	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1		0.0408	1.34	0.2485	0.1865	
2		0.0465	1.34	0.2485	0.1865	
3		0.0506	1.34	0.2485	0.1865	
4		0.0461	1.34	0.2485	0.1865	
5		0.0433	1.34	0.2485	0.1865	
6		0.0633	1.33	0.2485	0.1865	
7		0.0471	1.34	0.2485	0.1865	
8		0.0412	1.34	0.2485	0.1865	
9		0.0504	1.33	0.2485	0.1865	
10		0.0474	1.34	0.2485	0.1862	

test	Negative selection	0.111	92.028		SRV+Double
test	Negative selection	0.123	3.307		SRV+Double
test	Negative selection	0.193	92.028		SRV+Double
test	Negative selection	0.208	3.307		SRV+Double
reference	Diversifying selection	1.005	0.0		SRV+Double
reference	Negative selection	0.155	76.473		SRV+Double
reference	Negative selection	0.438	23.527		SRV+Double
test	Diversifying selection	1.005	0.0		SRV+Double
test	Negative selection	0.155	76.473		SRV+Double
test	Negative selection	0.438	23.527		SRV+Double
reference	Diversifying selection	1.273	4.217		SRV+Double
reference	Negative selection	0.177	76.442		SRV+Double
reference	Negative selection	0.273	19.341		SRV+Double
test	Diversifying selection	1.381	4.217		SRV+Double
test	Diversifying selection	1.273	4.217		SRV+Double
test	Negative selection	0.099	76.442		SRV+Double
test	Negative selection	0.177	19.341		SRV+Double
test	Negative selection	0.177	76.442		SRV+Double
test	Negative selection	0.273	19.341		SRV+Double
reference	Negative selection	0.155	52.448		SRV+Double
reference	Negative selection	0.255	44.815		SRV+Double
reference	Neutral evolution	1.0	2.738		SRV+Double
test	Negative selection	0.155	52.448		SRV+Double
test	Negative selection	0.255	44.815		SRV+Double
test	Neutral evolution	1.0	2.738		SRV+Double
reference	Diversifying selection	1.261	4.355		SRV+Double
reference	Negative selection	0.185	87.371		SRV+Double
reference	Negative selection	0.303	8.274		SRV+Double
test	Diversifying selection	1.364	4.355		SRV+Double
test	Diversifying selection	1.261	4.355		SRV+Double
test	Negative selection	0.105	87.371		SRV+Double
test	Negative selection	0.202	8.274		SRV+Double
test	Negative selection	0.185	87.371		SRV+Double
test	Negative selection	0.303	8.274		SRV+Double
reference	Diversifying selection	1.009	0.0		SRV+Double
reference	Negative selection	0.177	87.577		SRV+Double
reference	Negative selection	0.535	12.423		SRV+Double
test	Diversifying selection	1.009	0.0		SRV+Double
test	Negative selection	0.177	87.577		SRV+Double
test	Negative selection	0.535	12.423		SRV+Double
reference	Diversifying selection	1.871	1.687		SRV+Double
reference	Negative selection	0.172	83.797		SRV+Double
reference	Negative selection	0.465	14.516		SRV+Double
test	Diversifying selection	2.308	1.687		SRV+Double
test	Diversifying selection	1.871	1.687		SRV+Double
test	Negative selection	0.095	83.797		SRV+Double
test	Negative selection	0.36	14.516		SRV+Double
test	Negative selection	0.172	83.797		SRV+Double
test	Negative selection	0.465	14.516		SRV+Double
reference	Negative selection	0.163	82.004		SRV+Double

3	5.379	1.86	SRV	
1	0.694	83.442	SRV	
2	2.113	14.072	SRV	
3	4.979	2.486	SRV	
1	0.693	83.596	SRV	
2	2.198	14.499	SRV	
3	5.345	1.904	SRV	
1	0.691	83.032	SRV	
2	2.094	14.581	SRV	
3	5.07	2.387	SRV	
1	0.693	83.484	SRV	
2	2.157	14.343	SRV	
3	5.145	2.173	SRV	
1	0.693	83.299	SRV	
2	2.104	14.206	SRV	
3	4.967	2.495	SRV	
1	0.693	83.611	SRV	
2	2.201	14.491	SRV	
3	5.344	1.897	SRV	
1	0.694	83.415	SRV	
2	2.102	14.025	SRV	
3	4.923	2.56	SRV	
1	0.693	83.551	SRV	
2	2.194	14.529	SRV	
3	5.323	1.921	SRV	
1	0.692	83.236	SRV	
2	2.111	14.417	SRV	
3	5.1	2.347	SRV	
1	0.695	83.689	SRV	
2	2.176	14.19	SRV	
3	5.163	2.121	SRV	
1	0.691	83.152	SRV	
2	2.1	14.44	SRV	
3	5.075	2.407	SRV	
1	0.694	83.624	SRV	
2	2.173	14.261	SRV	
3	5.181	2.115	SRV	
1	0.692	83.16	SRV	
2	2.069	14.13	SRV	
3	4.864	2.71	SRV	
1	0.695	83.838	SRV	
2	2.229	14.384	SRV	
3	5.459	1.779	SRV	
1	0.693	83.329	SRV	
2	2.115	14.294	SRV	
3	5.056	2.377	SRV	
1	0.695	83.737	SRV	
2	2.187	14.194	SRV	
3	5.193	2.069	SRV	
1	0.693	83.374	SRV	

	test	2H	0.0	SRV+Double	
	reference	2H	0.0476	SRV+Double	
	reference	2H	0.063	SRV+Double	
	test	2H	0.0112	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.1256	SRV+Double+Triple	
	reference	2H	0.0233	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	0.0539	SRV+Double+Triple	
	reference	2H	0.0634	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0186	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1669	SRV+Double+Triple	
	reference	2H	0.0216	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	0.052	SRV+Double+Triple	
	reference	2H	0.0632	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0172	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1312	SRV+Double+Triple	
	reference	2H	0.0231	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	0.0507	SRV+Double+Triple	
	reference	2H	0.0637	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0172	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1296	SRV+Double+Triple	
	reference	2H	0.0226	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	0.0549	SRV+Double+Triple	
	reference	2H	0.0638	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0223	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1204	SRV+Double+Triple	

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