

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)

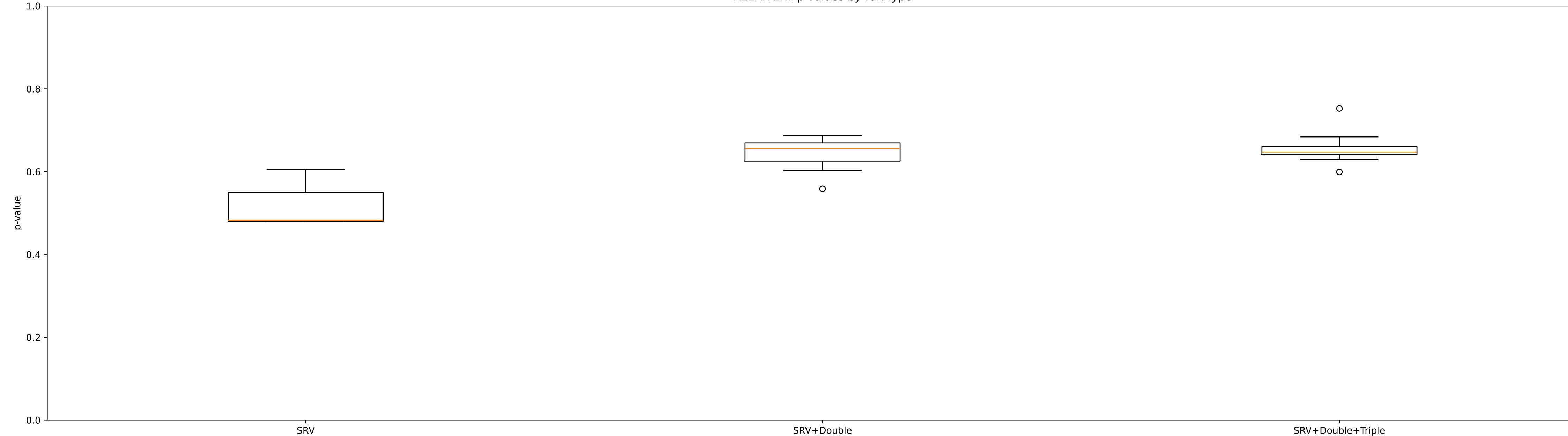
Run-type summary statistics

p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_medi an	omega_test_medi an	warnings_count	2H_reference_m edian	2H_test_median
0.4828	0.4795	0.605	1.49	0.0	1.51	0.2014	0.1611	8	nan	nan
0.6557	0.5585	0.6871	1.14	1.12	1.28	0.2014	0.1611	10	0.1029	0.0
0.6475	0.5991	0.7526	1.125	0.82	1.17	0.2014	0.1611	10	0.106	0.0

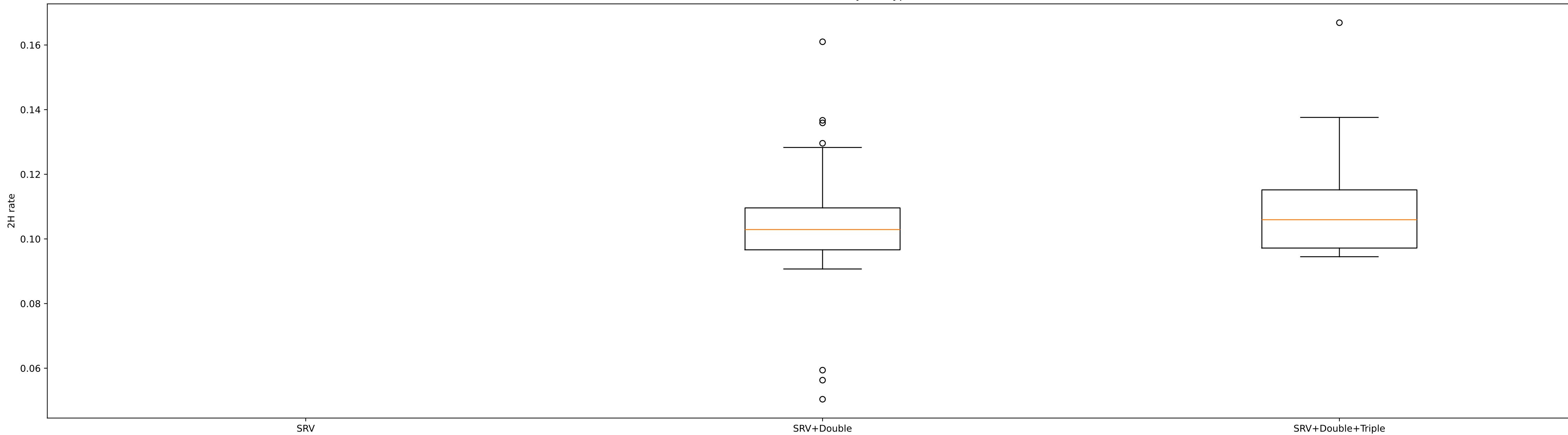
K (alternative) by run type



RELAX LRT p-values by run type



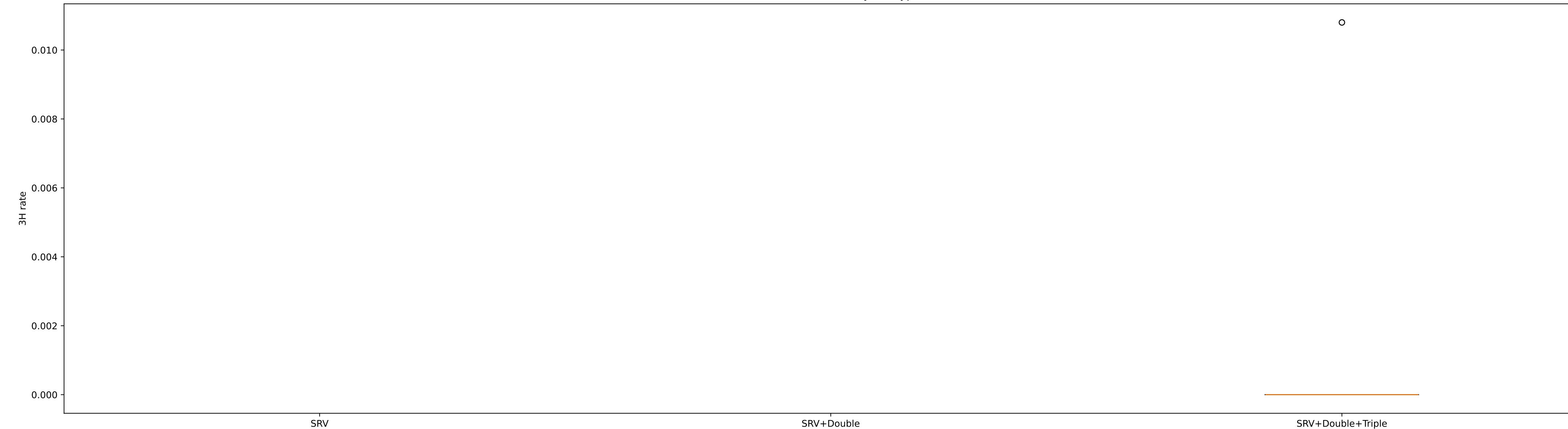
2H rates (reference) by run type



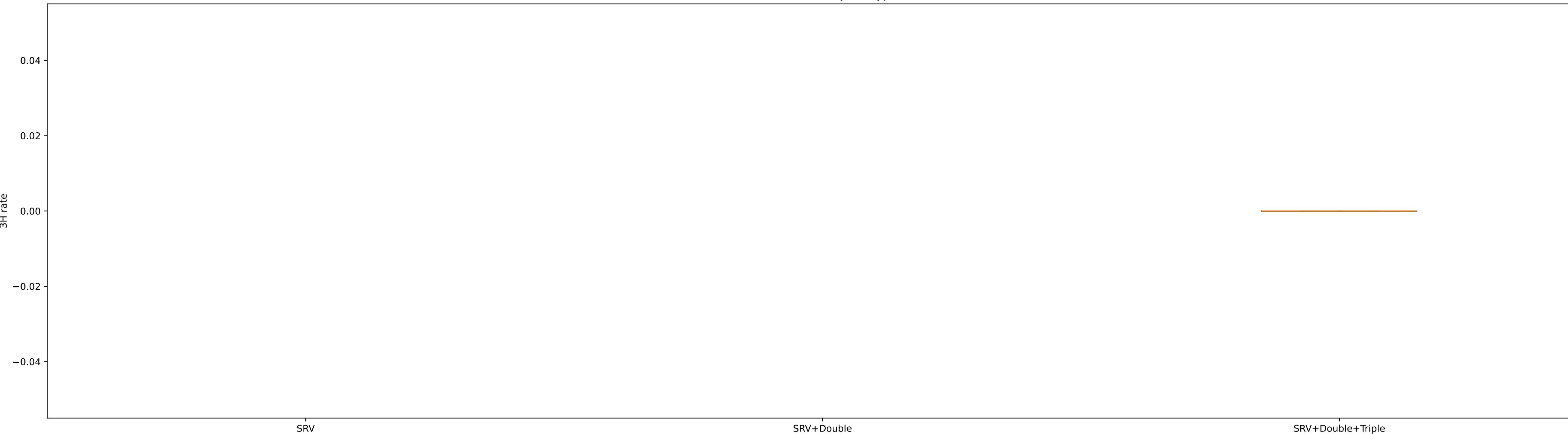
2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



Replicate-level summary — SRV (page 1/1)

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test
	1	0.4825	1.51	0.2014	0.1611
	2	0.4795	1.5	0.2014	0.1611
	3	0.5946	1.33	0.2014	0.1611
	4	0.4795	1.49	0.2014	0.1611
	5	0.4803	1.5	0.2014	0.1611
	6	nan	nan	0.2014	0.1611
	7	0.605	1.26	0.2014	0.1611
	8	nan	nan	0.2014	0.1611
	9	0.5342	1.49	0.2014	0.1611
	10	0.4832	0.0	0.2014	0.1611

Replicate-level summary — SRV+Double (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.5585	1.28	0.2014	0.1611
	2	0.6033	1.17	0.2014	0.1611
	3	0.6679	1.15	0.2014	0.1611
	4	0.6572	1.14	0.2014	0.1611
	5	0.6541	1.13	0.2014	0.1611
	6	0.6843	1.12	0.2014	0.1611
	7	0.6175	1.15	0.2014	0.1611
	8	0.6871	1.12	0.2014	0.1611
	9	0.6494	1.14	0.2014	0.1611
	10	0.6694	1.12	0.2014	0.1611

Replicate-level summary — SRV+Double+Triple (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.6564	1.12	0.2014	0.1611
	2	0.5991	1.17	0.2014	0.1611
	3	0.64	1.13	0.2014	0.1611
	4	0.6617	1.11	0.2014	0.1611
	5	0.6839	1.11	0.2014	0.1611
	6	0.6297	1.16	0.2014	0.1611
	7	0.6469	1.12	0.2014	0.1611
	8	0.7526	0.82	0.2014	0.1611
	9	0.6481	1.13	0.2014	0.1611
	10	0.6438	1.14	0.2014	0.1611

	test	Negative selection	0.0	25.807	SRV+Double
	test	Negative selection	0.218	71.148	SRV+Double
	test	Neutral evolution	1.0	3.045	SRV+Double
	test	Neutral evolution	1.0	3.045	SRV+Double
	reference	Negative selection	0.0	27.066	SRV+Double
	reference	Negative selection	0.221	70.071	SRV+Double
	reference	Neutral evolution	1.0	2.864	SRV+Double
	test	Negative selection	0.0	27.066	SRV+Double
	test	Negative selection	0.221	70.071	SRV+Double
	test	Neutral evolution, Diversifying selection	1.0	2.864	SRV+Double
	reference	Negative selection, Diversifying selection	1.028	0.0	SRV+Double
	reference	Negative selection	0.121	87.63	SRV+Double
	reference	Negative selection, Diversifying selection	0.646	12.37	SRV+Double
	test	Negative selection, Diversifying selection	1.031	0.0	SRV+Double
	test	Diversifying selection	1.028	0.0	SRV+Double
	test	Negative selection	0.094	87.63	SRV+Double
	test	Negative selection	0.614	12.37	SRV+Double
	test	Negative selection	0.121	87.63	SRV+Double
	test	Negative selection, Diversifying selection	0.646	12.37	SRV+Double
	reference	Negative selection, Diversifying selection	1.006	0.0	SRV+Double
	reference	Negative selection	0.108	84.432	SRV+Double
	reference	Negative selection, Diversifying selection	0.592	15.568	SRV+Double
	test	Negative selection, Diversifying selection	1.006	0.0	SRV+Double
	test	Negative selection	0.108	84.432	SRV+Double
	test	Negative selection	0.592	15.568	SRV+Double
	reference	Negative selection, Diversifying selection	1.005	0.0	SRV+Double
	reference	Negative selection	0.05	64.467	SRV+Double
	reference	Negative selection, Diversifying selection	0.435	35.533	SRV+Double
	test	Negative selection, Diversifying selection	1.006	0.0	SRV+Double
	test	Diversifying selection	1.005	0.0	SRV+Double
	test	Negative selection	0.031	64.467	SRV+Double
	test	Negative selection	0.383	35.533	SRV+Double
	test	Negative selection	0.05	64.467	SRV+Double
	test	Negative selection, Diversifying selection	0.435	35.533	SRV+Double
	reference	Negative selection, Diversifying selection	2.108	0.0	SRV+Double
	reference	Negative selection	0.048	64.419	SRV+Double
	reference	Negative selection, Diversifying selection	0.432	35.581	SRV+Double
	test	Negative selection, Diversifying selection	2.108	0.0	SRV+Double
	test	Negative selection	0.048	64.419	SRV+Double
	test	Negative selection	0.432	35.581	SRV+Double
	reference	Negative selection	0.0	24.257	SRV+Double
	reference	Negative selection	0.214	72.791	SRV+Double
	reference	Neutral evolution	1.0	2.951	SRV+Double
	test	Negative selection	0.0	24.257	SRV+Double
	test	Negative selection	0.176	72.791	SRV+Double
	test	Negative selection	0.0	24.257	SRV+Double
	test	Negative selection	0.214	72.791	SRV+Double
	test	Neutral evolution	1.0	2.951	SRV+Double
	test	Neutral evolution	1.2	2.951	SRV+Double
	test	Neutral evolution	1.0	2.951	SRV+Double
	reference	Negative selection	0.0	27.878	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
1	1	0.031	23.451	SRV	
	2	0.875	47.951		
	3	2.004	28.598		
2	1	0.04	24.161	SRV	
	2	0.886	47.245		
	3	2.0	28.594		
3	1	0.0	21.008	SRV	
	2	0.839	50.174		
	3	2.01	28.819		
4	1	0.007	21.494	SRV	
	2	0.839	49.142		
	3	1.996	29.363		
5	1	0.027	23.095	SRV	
	2	0.871	48.267		
	3	2.003	28.638		
6	1	0.07	27.285	SRV	
	2	0.985	48.233		
	3	2.066	24.481		
7	1	0.008	21.688	SRV	
	2	0.846	49.224		
	3	2.0	29.088		
8	1	0.117	31.055	SRV	
	2	1.001	41.27		
	3	1.99	27.676		

	test		2H	0.0	SRV+Double	
	reference		2H	0.1099	SRV+Double	
	reference		2H	0.0969	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.1361	SRV+Double+Triple	
	reference		2H	0.1087	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	0.1117	SRV+Double+Triple	
	reference		2H	0.0972	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	0.1274	SRV+Double+Triple	
	reference		2H	0.1008	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	0.1038	SRV+Double+Triple	
	reference		2H	0.095	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	0.1357	SRV+Double+Triple	
	reference		2H	0.1052	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	0.1066	SRV+Double+Triple	
	reference		2H	0.0955	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	0.13	SRV+Double+Triple	
	reference		2H	0.1085	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	0.1107	SRV+Double+Triple	
	reference		2H	0.0957	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	0.1349	SRV+Double+Triple	
	reference		2H	0.1091	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	0.14	SRV+Double+Triple	
	reference		2H	0.1012	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	