

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

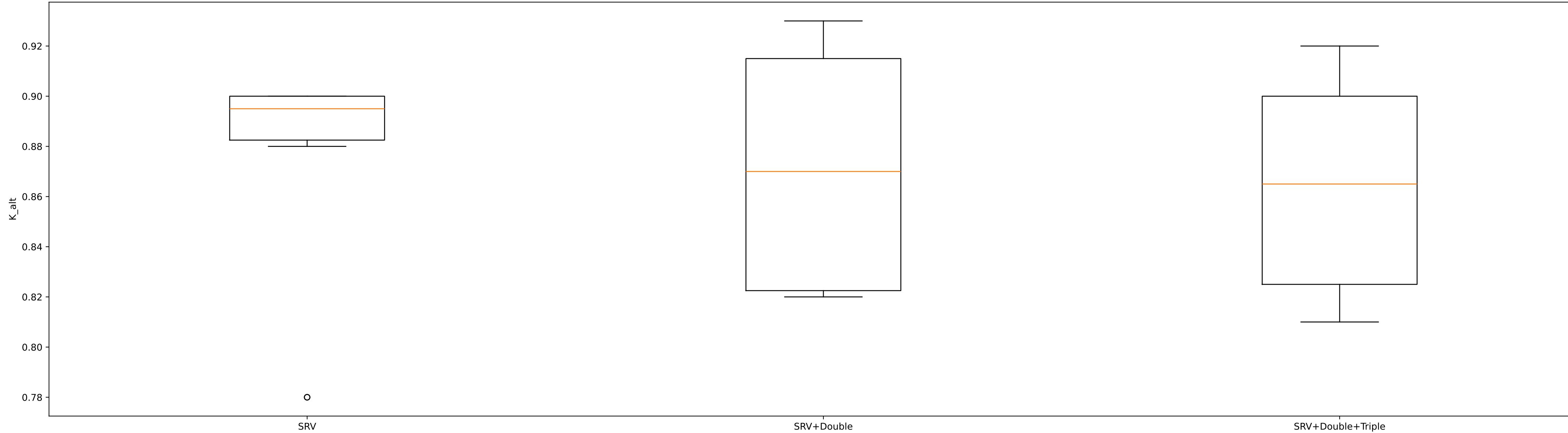
Includes:

- 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_medi an
0.6338	0.6087	1.0	0.895	0.78	0.9	0.1953	0.2149	10	nan	nan
0.6154	0.5224	1.0	0.87	0.82	0.93	0.1953	0.2149	10	0.0846	0.0
0.5884	0.5238	0.6349	0.865	0.81	0.92	0.1953	0.2149	10	0.0897	0.0

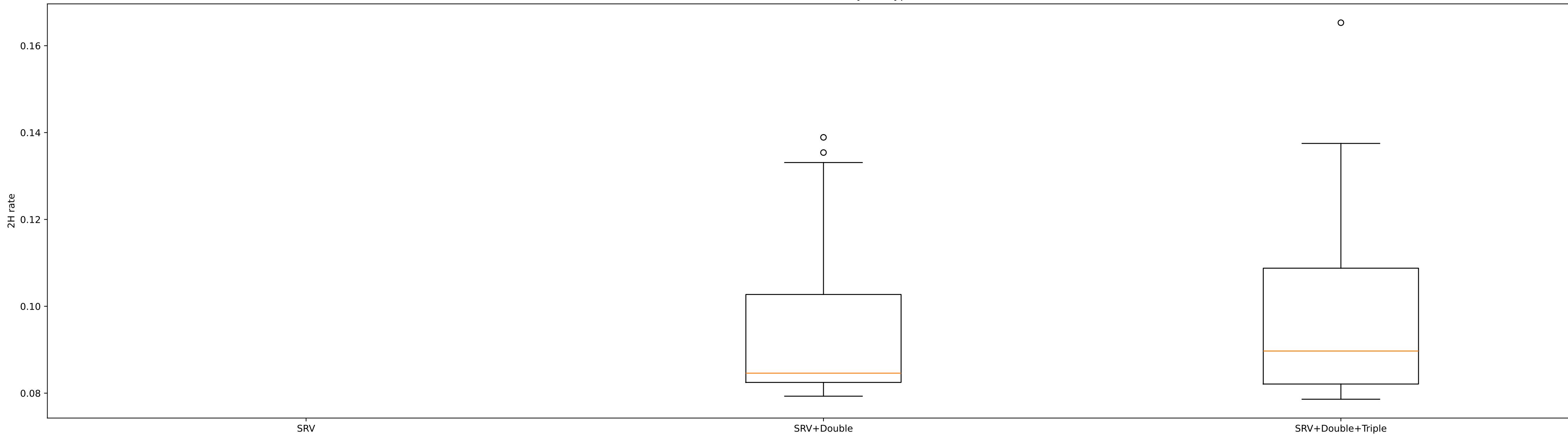
K (alternative) by run type



RELAX LRT p-values by run type



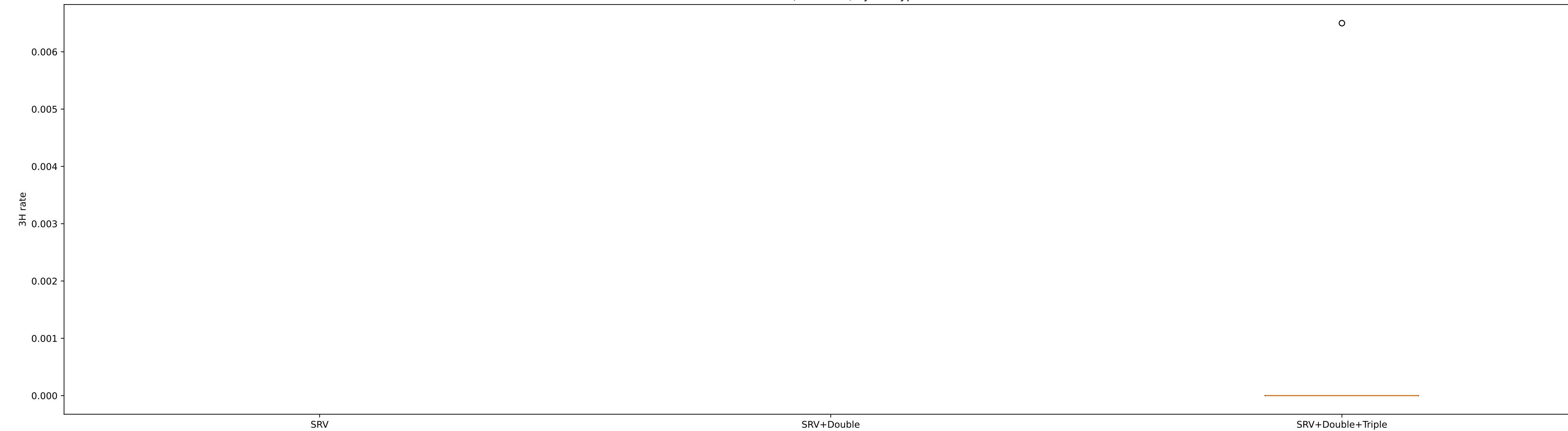
2H rates (reference) by run type



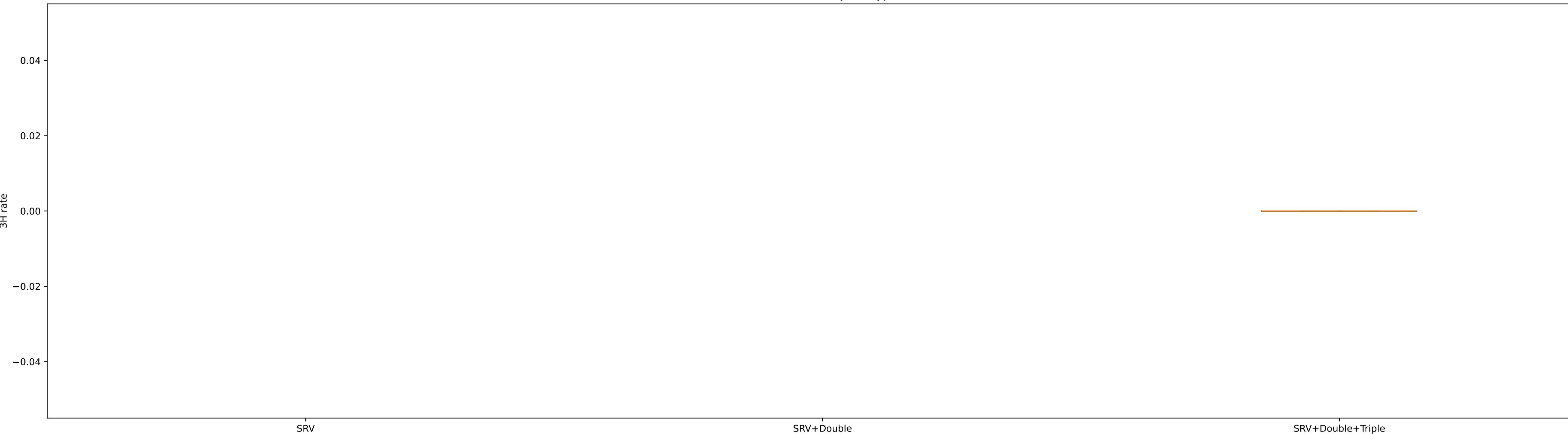
2H rates (test) by run type



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_re ference	global_dNdS_te st
	1	0.6339	0.9	0.1953	0.2149
	2	0.6087	0.78	0.1952	0.215
	3	0.6139	0.78	0.1953	0.2149
	4	0.6368	0.9	0.1953	0.2149
	5	0.9013	0.9	0.1953	0.2149
	6	0.6305	0.89	0.1953	0.2149
	7	1.0	0.9	0.1953	0.2149
	8	0.6338	0.9	0.1952	0.215
	9	0.682	0.89	0.1953	0.2149
	10	0.6242	0.88	0.1953	0.2149

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.5241	0.82	0.1953	0.2149
	2	1.0	0.93	0.1953	0.2149
	3	0.5262	0.83	0.1953	0.2149
	4	0.5224	0.82	0.1953	0.2149
	5	0.5246	0.82	0.1953	0.2148
	6	1.0	0.93	0.1953	0.2149
	7	0.6395	0.89	0.1953	0.2149
	8	0.6189	0.85	0.1953	0.2149
	9	0.6118	0.9	0.1953	0.2149
	10	0.6283	0.92	0.1953	0.2149

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.5245	0.82	0.1953	0.2149
	2	0.5238	0.82	0.1953	0.2149
	3	0.5513	0.85	0.1953	0.2149
	4	0.5242	0.81	0.1953	0.2149
	5	0.6091	0.9	0.1953	0.2149
	6	0.6349	0.92	0.1953	0.2149
	7	0.6213	0.92	0.1953	0.2149
	8	0.5926	0.88	0.1953	0.2149
	9	0.5842	0.84	0.1953	0.2149
	10	0.6083	0.9	0.1953	0.2149

	test	Negative selection	0.0	57.938	SRV+Double
	test	Negative selection	0.508	42.062	SRV+Double
	test	Negative selection	0.0	57.938	SRV+Double
	test	Negative selection	0.437	42.062	SRV+Double
	reference	Diversifying selection	0.0	0.0	SRV+Double
	reference	Negative selection	0.001	57.723	SRV+Double
	reference	Negative selection	0.444	42.277	SRV+Double
	test	Diversifying selection	1.707	0.0	SRV+Double
	test	Negative selection	0.001	57.723	SRV+Double
	test	Negative selection	0.444	42.277	SRV+Double
	reference	Diversifying selection	1.005	0.0	SRV+Double
	reference	Negative selection	0.0	58.241	SRV+Double
	reference	Negative selection	0.442	41.759	SRV+Double
	test	Diversifying selection	1.004	0.0	SRV+Double
	test	Diversifying selection	1.005	0.0	SRV+Double
	test	Negative selection	0.0	58.241	SRV+Double
	test	Negative selection	0.512	41.759	SRV+Double
	test	Negative selection	0.0	58.241	SRV+Double
	test	Negative selection	0.442	41.759	SRV+Double
	reference	Diversifying selection	1.758	0.0	SRV+Double
	reference	Negative selection	0.001	57.872	SRV+Double
	reference	Negative selection	0.445	42.128	SRV+Double
	test	Diversifying selection	1.758	0.0	SRV+Double
	test	Negative selection	0.001	57.872	SRV+Double
	test	Negative selection	0.445	42.128	SRV+Double
	reference	Diversifying selection	11.01	0.0	SRV+Double
	reference	Negative selection	0.15	0.0	SRV+Double
	reference	Negative selection	0.174	100.0	SRV+Double
	test	Diversifying selection	9.408	0.0	SRV+Double
	test	Diversifying selection	11.01	0.0	SRV+Double
	test	Negative selection	0.169	0.0	SRV+Double
	test	Negative selection	0.196	100.0	SRV+Double
	test	Negative selection	0.15	0.0	SRV+Double
	test	Negative selection	0.174	100.0	SRV+Double
	reference	Negative selection	0.0	24.493	SRV+Double
	reference	Negative selection	0.176	68.711	SRV+Double
	reference	Neutral evolution	1.0	6.796	SRV+Double
	test	Negative selection	0.0	24.493	SRV+Double
	test	Negative selection	0.176	68.711	SRV+Double
	test	Neutral evolution	1.0	6.796	SRV+Double
	reference	Negative selection	0.0	31.05	SRV+Double
	reference	Negative selection	0.193	62.459	SRV+Double
	reference	Neutral evolution	1.0	6.491	SRV+Double
	test	Negative selection	0.0	31.05	SRV+Double
	test	Negative selection	0.231	62.459	SRV+Double
	test	Negative selection	0.0	31.05	SRV+Double
	test	Negative selection	0.193	62.459	SRV+Double
	test	Neutral evolution	1.0	6.491	SRV+Double
	test	Neutral evolution	12	6.491	SRV+Double
	test	Negative selection	1.0	6.491	SRV+Double
	reference	Negative selection	0.0	36.871	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	1	0.048	25.639	SRV	
	2	0.965	50.277	SRV	
	3	2.086	24.084	SRV	
	1	0.132	32.093	SRV	
	2	0.996	38.738	SRV	
	3	1.961	29.169	SRV	
	1	0.0	19.749	SRV	
	2	0.757	46.826	SRV	
	3	1.932	33.425	SRV	
SRV	1	0.052	25.93	SRV	
	2	0.971	50.038	SRV	
	3	2.084	24.033	SRV	
	1	0.0	21.418	SRV	
	2	0.862	50.682	SRV	
	3	2.019	27.9	SRV	
	1	0.071	27.564	SRV	
	2	0.999	48.657	SRV	
	3	2.079	23.779	SRV	
SRV	1	0.0	20.814	SRV	
	2	0.82	49.059	SRV	
	3	1.984	30.128	SRV	
	1	0.047	25.619	SRV	
	2	0.968	50.476	SRV	
	3	2.089	23.905	SRV	
	1	0.0	21.204	SRV	
	2	0.848	50.217	SRV	
	3	2.01	28.579	SRV	
SRV	1	0.232	36.022	SRV	
	2	0.347	11.206	SRV	
	3	1.663	52.771	SRV	

	reference		2H	0.1269	SRV+Double	
	reference		2H	0.0842	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0826	SRV+Double	
	reference		2H	0.0913	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.1653	SRV+Double+Triple	
	reference		2H	0.0836	SRV+Double+Triple	
	reference		3H	0.0065	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	0.0796	SRV+Double+Triple	
	reference		2H	0.0958	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	0.1295	SRV+Double+Triple	
	reference		2H	0.0825	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	0.0791	SRV+Double+Triple	
	reference		2H	0.0941	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	0.1275	SRV+Double+Triple	
	reference		2H	0.0832	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	0.0796	SRV+Double+Triple	
	reference		2H	0.0964	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	0.1279	SRV+Double+Triple	
	reference		2H	0.0822	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	0.0789	SRV+Double+Triple	
	reference		2H	0.0946	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	0.1347	SRV+Double+Triple	
	reference		2H	0.0833	SRV+Double+Triple	