

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

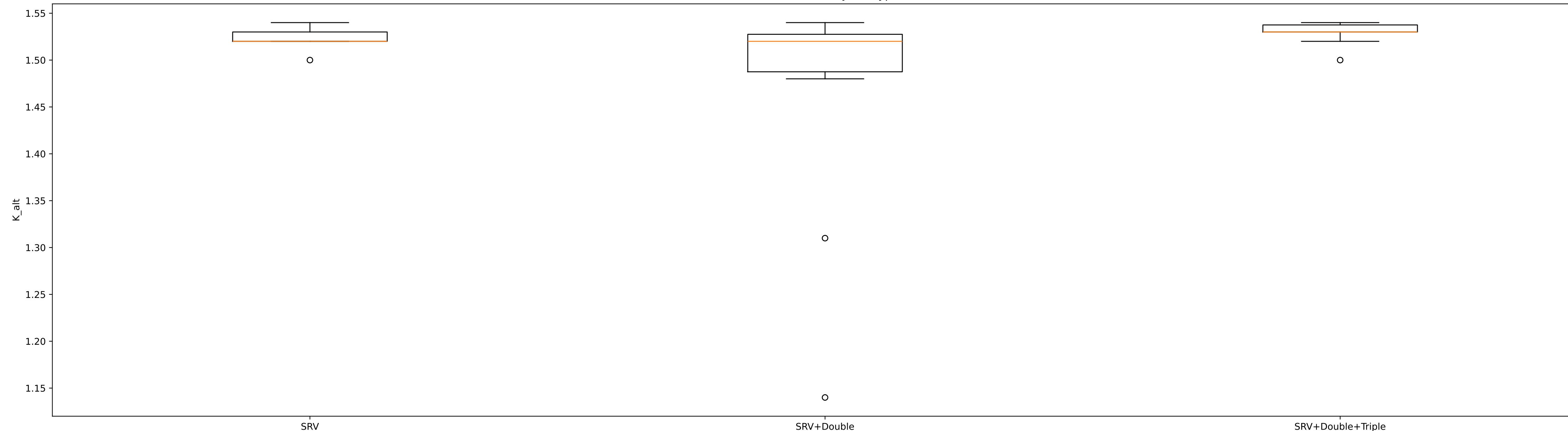
Includes:

- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

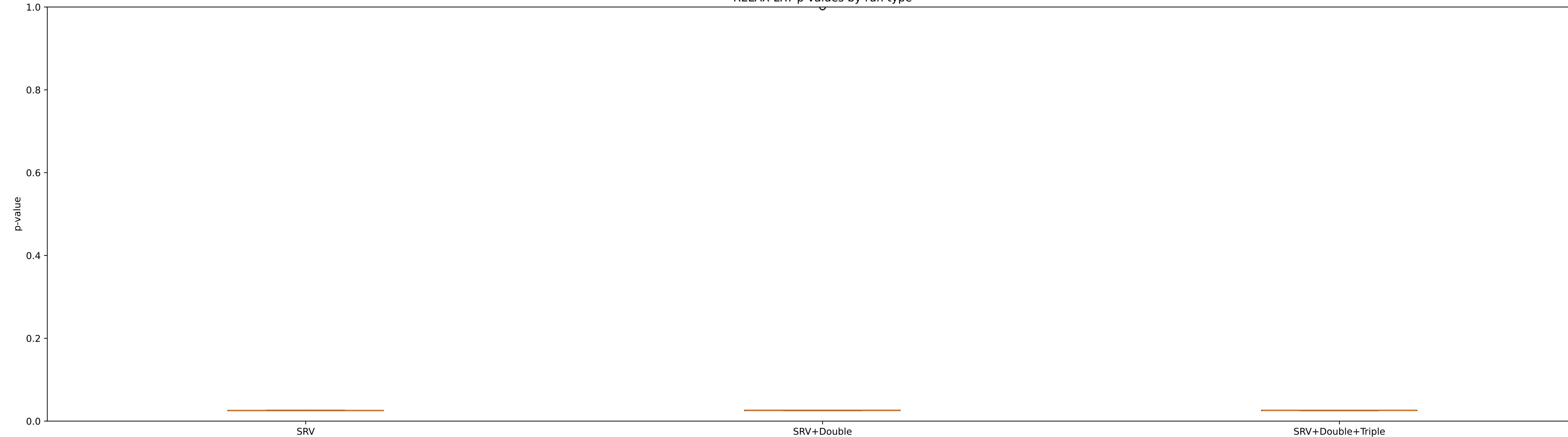
Run-type summary statistics

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
0.0255	0.0253	0.0261	1.52	1.5	1.54	0.1857	0.0826	10	nan	nan
0.0257	0.0254	1.0	1.52	1.14	1.54	0.1857	0.0826	10	0.0028	0.0
0.0258	0.0254	0.0261	1.53	1.5	1.54	0.1857	0.0826	10	0.0004	0.0

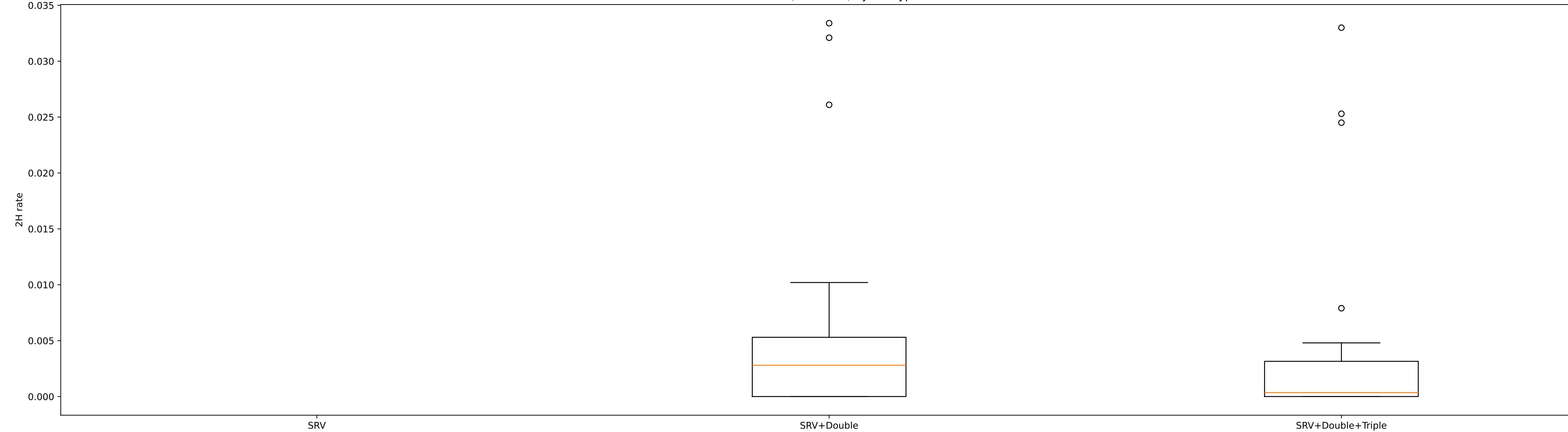
K (alternative) by run type



RELAX LRT p-values by run type



2H rates (reference) by run type



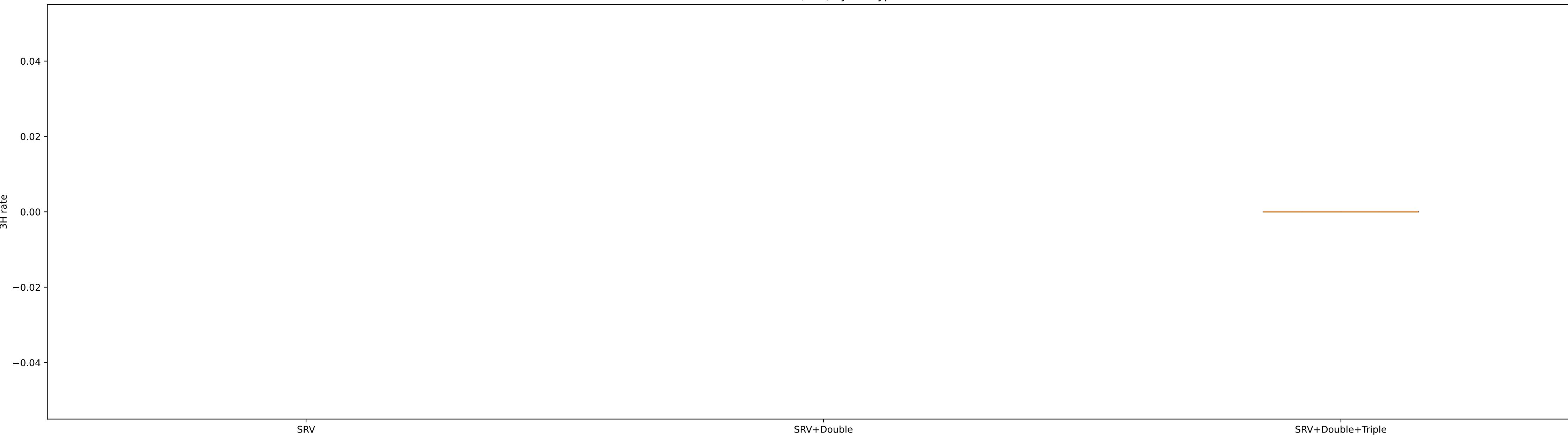
2H rates (test) by run type



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	0.0254	1.52	0.1857	0.0826
	2	0.0254	1.52	0.1857	0.0826
	3	0.0255	1.52	0.1857	0.0826
	4	0.0255	1.52	0.1857	0.0826
	5	0.0259	1.54	0.1857	0.0826
	6	0.0261	1.5	0.1857	0.0826
	7	0.0259	1.54	0.1857	0.0826
	8	0.0255	1.53	0.1857	0.0826
	9	0.0253	1.52	0.1857	0.0826
	10	0.0255	1.53	0.1857	0.0826

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.0254	1.52	0.1857	0.0826
	2	1.0	1.14	0.1857	0.0826
	3	0.0257	1.52	0.1857	0.0826
	4	0.0257	1.53	0.1858	0.0827
	5	1.0	1.31	0.1857	0.0826
	6	0.026	1.54	0.1857	0.0829
	7	0.0256	1.53	0.1857	0.0826
	8	0.0257	1.51	0.1857	0.0826
	9	0.0262	1.48	0.1857	0.0826
	10	0.0256	1.52	0.1857	0.0826

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.0258	1.53	0.1857	0.0826
	2	0.0261	1.5	0.1857	0.0826
	3	0.0254	1.52	0.1857	0.0826
	4	0.026	1.54	0.1857	0.0826
	5	0.0258	1.53	0.1857	0.0826
	6	0.0255	1.53	0.1857	0.0826
	7	0.0258	1.53	0.1857	0.0826
	8	0.0261	1.54	0.1857	0.0826
	9	0.026	1.54	0.1857	0.0826
	10	0.0256	1.53	0.1857	0.0826

	test	Negative selection	0.059	93.129	SRV+Double
	test	Negative selection	0.31	6.65	SRV+Double
	test	Negative selection	0.156	93.129	SRV+Double
	test	Negative selection	0.464	6.65	SRV+Double
	reference	Diversifying selection	0.0	SRV+Double	
	reference	Negative selection	0.149	93.229	SRV+Double
	reference	Negative selection	0.43	6.771	SRV+Double
	test	Diversifying selection	1.006	0.0	SRV+Double
	test	Negative selection	0.149	93.229	SRV+Double
	test	Negative selection	0.43	6.771	SRV+Double
	reference	Diversifying selection	1.069	0.472	SRV+Double
	reference	Negative selection	0.152	87.018	SRV+Double
	reference	Negative selection	0.342	12.51	SRV+Double
	test	Diversifying selection	1.092	0.472	SRV+Double
	test	Diversifying selection	1.069	0.472	SRV+Double
	test	Negative selection	0.0	12.51	SRV+Double
	test	Negative selection	0.085	87.018	SRV+Double
	test	Negative selection	0.152	87.018	SRV+Double
	test	Negative selection	0.342	12.51	SRV+Double
	reference	Negative selection	0.122	61.433	SRV+Double
	reference	Negative selection	0.264	38.176	SRV+Double
	reference	Neutral evolution	1.0	0.391	SRV+Double
	test	Negative selection	0.122	61.433	SRV+Double
	test	Negative selection	0.264	38.176	SRV+Double
	test	Neutral evolution	1.0	0.391	SRV+Double
	reference	Negative selection	0.033	21.073	SRV+Double
	reference	Negative selection	0.216	78.66	SRV+Double
	reference	Neutral evolution	1.0	0.267	SRV+Double
	test	Negative selection	0.005	21.073	SRV+Double
	test	Negative selection	0.095	78.66	SRV+Double
	test	Negative selection	0.033	21.073	SRV+Double
	test	Negative selection	0.216	78.66	SRV+Double
	test	Neutral evolution	1.0	0.267	SRV+Double
	test	Neutral evolution	1.0	0.267	SRV+Double
	reference	Diversifying selection	1.011	0.0	SRV+Double
	reference	Negative selection	0.029	22.875	SRV+Double
	reference	Negative selection	0.21	77.125	SRV+Double
	test	Diversifying selection	1.011	0.0	SRV+Double
	test	Negative selection	0.029	22.875	SRV+Double
	test	Negative selection	0.21	77.125	SRV+Double
	reference	Diversifying selection	1.052	0.742	SRV+Double
	reference	Negative selection	0.159	94.139	SRV+Double
	reference	Negative selection	0.418	5.119	SRV+Double
	test	Diversifying selection	1.08	0.742	SRV+Double
	test	Diversifying selection	1.052	0.742	SRV+Double
	test	Negative selection	0.061	94.139	SRV+Double
	test	Negative selection	0.264	5.119	SRV+Double
	test	Negative selection	0.159	94.139	SRV+Double
	test	Negative selection	12	SRV+Double	
	test	Negative selection	0.418	5.119	SRV+Double
	reference	Negative selection	0.153	94.752	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	1	0.264	28.465	SRV	
	2	0.468	28.807	SRV	
	3	1.849	42.728	SRV	
	1	0.259	34.139	SRV	
	2	0.565	24.342	SRV	
	3	1.864	41.518	SRV	
	1	0.265	24.463	SRV	
	2	0.433	32.447	SRV	
	3	1.844	43.09	SRV	
SRV	1	0.285	31.509	SRV	
	2	0.455	25.399	SRV	
	3	1.844	43.092	SRV	
	1	0.295	33.453	SRV	
	2	0.447	23.198	SRV	
	3	1.84	43.349	SRV	
	1	0.304	32.405	SRV	
	2	0.423	24.139	SRV	
	3	1.839	43.456	SRV	
SRV	1	0.279	31.023	SRV	
	2	0.463	26.02	SRV	
	3	1.846	42.957	SRV	
	1	0.245	32.257	SRV	
	2	0.572	26.631	SRV	
	3	1.87	41.112	SRV	
	1	0.254	28.753	SRV	
	2	0.489	28.769	SRV	
	3	1.851	42.478	SRV	
SRV	1	0.276	30.186	SRV	
	2	0.462	26.875	SRV	
	3	1.846	42.94	SRV	

