

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

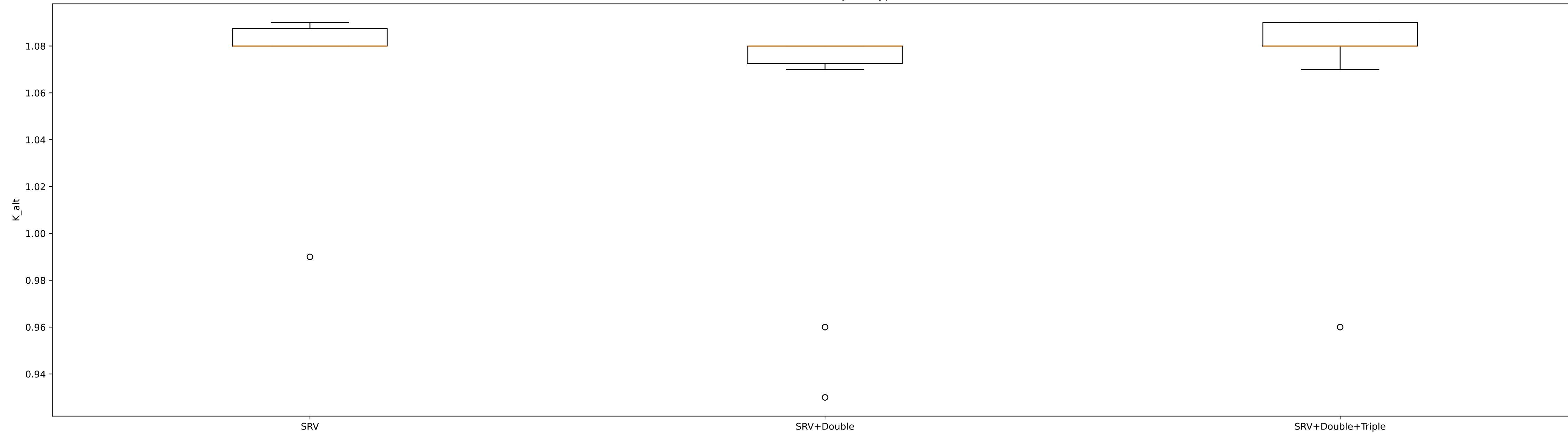
Includes:

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

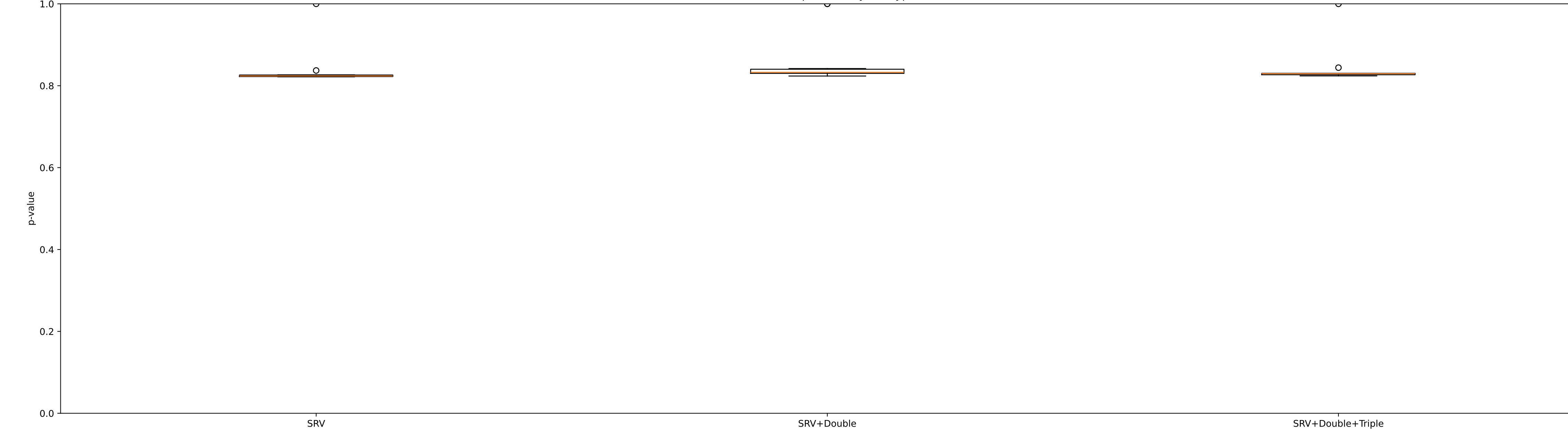
Run-type summary statistics

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
0.8238	0.8217	1.0	1.08	0.99	1.09	0.1756	0.1504	10	nan	nan
0.8328	0.8237	1.0	1.08	0.93	1.08	0.1756	0.1504	10	0.0015	0.0
0.8296	0.824	1.0	1.08	0.96	1.09	0.1756	0.1504	9	0.0	0.0

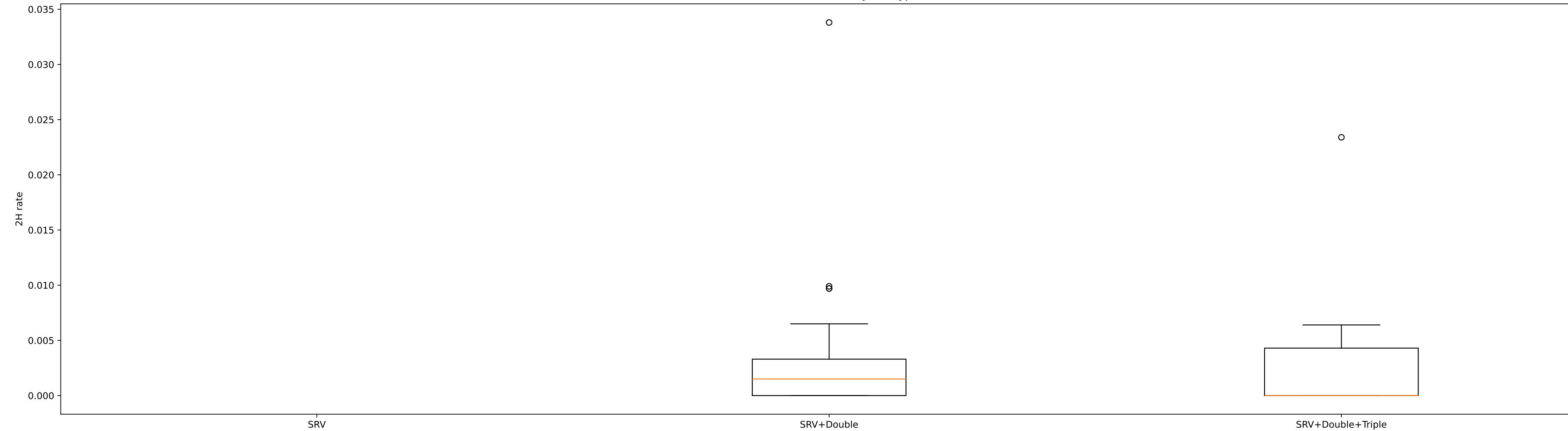
K (alternative) by run type



RELAX LRT p-values by run type



2H rates (reference) by run type



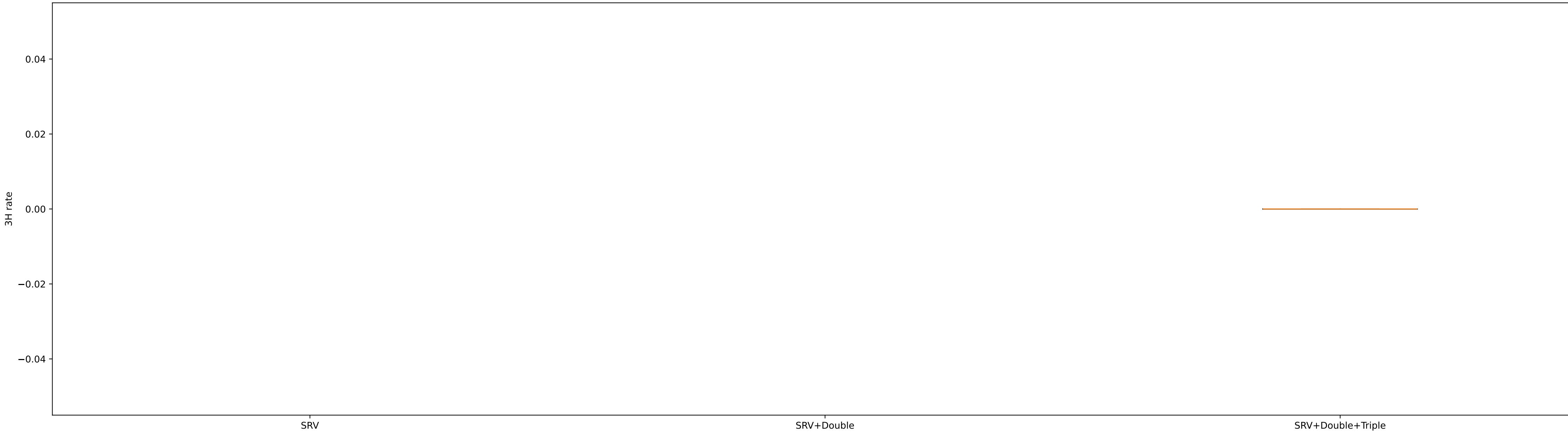
2H rates (test) by run type



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	0.8222	1.09	0.1756	0.1504
	2	0.8248	1.08	0.1756	0.1504
	3	0.8237	1.08	0.1756	0.1504
	4	1.0	0.99	0.1756	0.1504
	5	0.8238	1.08	0.1756	0.1504
	6	0.8266	1.09	0.1756	0.1504
	7	0.8372	1.08	0.1756	0.1504
	8	0.822	1.08	0.1756	0.1504
	9	0.8227	1.08	0.1756	0.1504
	10	0.8217	1.09	0.1756	0.1504

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.8354	1.08	0.1756	0.1504
	2	0.8237	1.08	0.1756	0.1504
	3	0.8323	1.08	0.1756	0.1504
	4	1.0	0.96	0.1756	0.1504
	5	0.833	1.07	0.1756	0.1504
	6	0.826	1.08	0.1756	0.1504
	7	0.8326	1.08	0.1756	0.1504
	8	1.0	0.93	0.1756	0.1504
	9	0.8294	1.08	0.1756	0.1504
	10	0.8419	1.08	0.1756	0.1504

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	nan	nan	0.1756	0.1504
	2	0.8271	1.08	0.1756	0.1505
	3	0.8296	1.08	0.1756	0.1504
	4	1.0	0.96	0.1756	0.1504
	5	0.824	1.09	0.1756	0.1504
	6	0.8299	1.07	0.1756	0.1504
	7	0.8441	1.08	0.1756	0.1504
	8	0.8268	1.09	0.1756	0.1504
	9	0.824	1.09	0.1759	0.1507
	10	0.8304	1.08	0.1756	0.1504

	test		Negative selection	0.281		11.565		SRV+Double
	test		Neutral evolution	1.0		0.695		SRV+Double
	reference		Diversifying selection	1.006		0.0		SRV+Double
	reference		Negative selection	0.143	Ω-class distributions (all) (cols 1-7/7)			SRV+Double
	reference		Negative selection	0.481		92.129		SRV+Double
	test		Diversifying selection	1.006		7.871		SRV+Double
	test		Diversifying selection	1.006		0.0		SRV+Double
	test		Negative selection	0.063		7.871		SRV+Double
	test		Negative selection	0.156		92.129		SRV+Double
	test		Negative selection	0.143		92.129		SRV+Double
	test		Negative selection	0.481		7.871		SRV+Double
	reference		Diversifying selection	2.233		0.0		SRV+Double
	reference		Negative selection	0.143		92.141		SRV+Double
	reference		Diversifying selection	0.473		7.859		SRV+Double
	test		Negative selection	2.233		0.0		SRV+Double
	test		Negative selection	0.143		92.141		SRV+Double
	test		Negative selection	0.473		7.859		SRV+Double
	reference		Diversifying selection	7.386		0.0		SRV+Double
	reference		Negative selection	0.135		0.0		SRV+Double
	reference		Negative selection	0.168		100.0		SRV+Double
	test		Diversifying selection	8.543		0.0		SRV+Double
	test		Diversifying selection	7.386		0.0		SRV+Double
	test		Negative selection	0.116		0.0		SRV+Double
	test		Negative selection	0.148		100.0		SRV+Double
	test		Negative selection	0.135		0.0		SRV+Double
	test		Negative selection	0.168		100.0		SRV+Double
	reference		Diversifying selection	1.505		0.0		SRV+Double
	reference		Negative selection	0.102		0.0		SRV+Double
	reference		Negative selection	0.167		100.0		SRV+Double
	test		Diversifying selection	1.505		0.0		SRV+Double
	test		Negative selection	0.102		0.0		SRV+Double
	test		Negative selection	0.167		100.0		SRV+Double
	reference		Diversifying selection	1.052		0.0		SRV+Double
	reference		Negative selection	0.141		91.667		SRV+Double
	reference		Negative selection	0.486		8.333		SRV+Double
	test		Diversifying selection	1.057		0.0		SRV+Double
	test		Diversifying selection	1.052		0.0		SRV+Double
	test		Negative selection	0.12		91.667		SRV+Double
	test		Negative selection	0.458		8.333		SRV+Double
	test		Negative selection	0.141		91.667		SRV+Double
	test		Negative selection	0.486		8.333		SRV+Double
	reference		Diversifying selection	2.093		0.0		SRV+Double
	reference		Negative selection	0.141		91.619		SRV+Double
	reference		Negative selection	0.474		8.381		SRV+Double
	test		Diversifying selection	2.093		0.0		SRV+Double
	test		Negative selection	0.141		91.619		SRV+Double
	test		Negative selection	0.474		8.381		SRV+Double
	reference		Negative selection	0.125		94.894		SRV+Double
	reference		Negative selection	0.326		4.244		SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	1	0.276	30.294	SRV	
	2	0.461	26.725	SRV	
	3	1.845	42.981	SRV	
	1	0.283	30.305	SRV	
	2	0.45	26.605	SRV	
	3	1.844	43.09	SRV	
	1	0.29	33.93	SRV	
	2	0.468	23.039	SRV	
	3	1.845	43.031	SRV	
SRV	1	0.202	34.411	SRV	
	2	0.85	32.898	SRV	
	3	1.991	32.69	SRV	
	1	0.275	30.902	SRV	
	2	0.472	26.293	SRV	
	3	1.848	42.805	SRV	
	1	0.236	28.785	SRV	
	2	0.527	29.469	SRV	
	3	1.861	41.746	SRV	
SRV	1	0.292	31.435	SRV	
	2	0.445	25.507	SRV	
	3	1.846	43.058	SRV	
	1	0.234	24.374	SRV	
	2	0.475	33.324	SRV	
	3	1.855	42.302	SRV	
	1	0.28	28.618	SRV	
	2	0.442	28.26	SRV	
	3	1.844	43.122	SRV	
SRV	1	0.276	27.919	SRV	
	2	0.439	28.801	SRV	
	3	1.84	43.28	SRV	

