

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

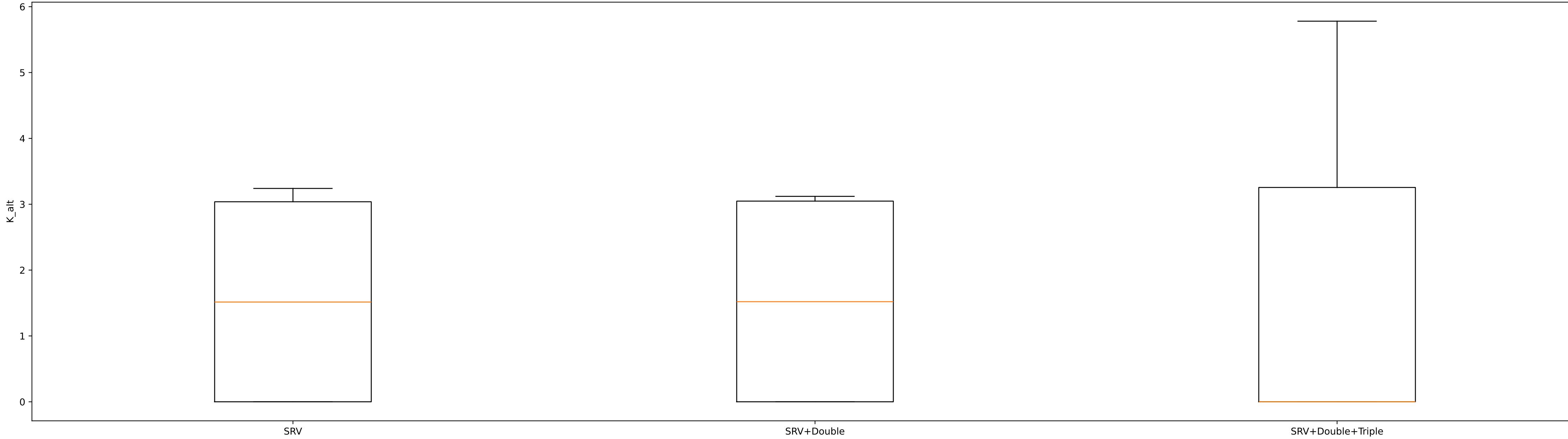
Includes:

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

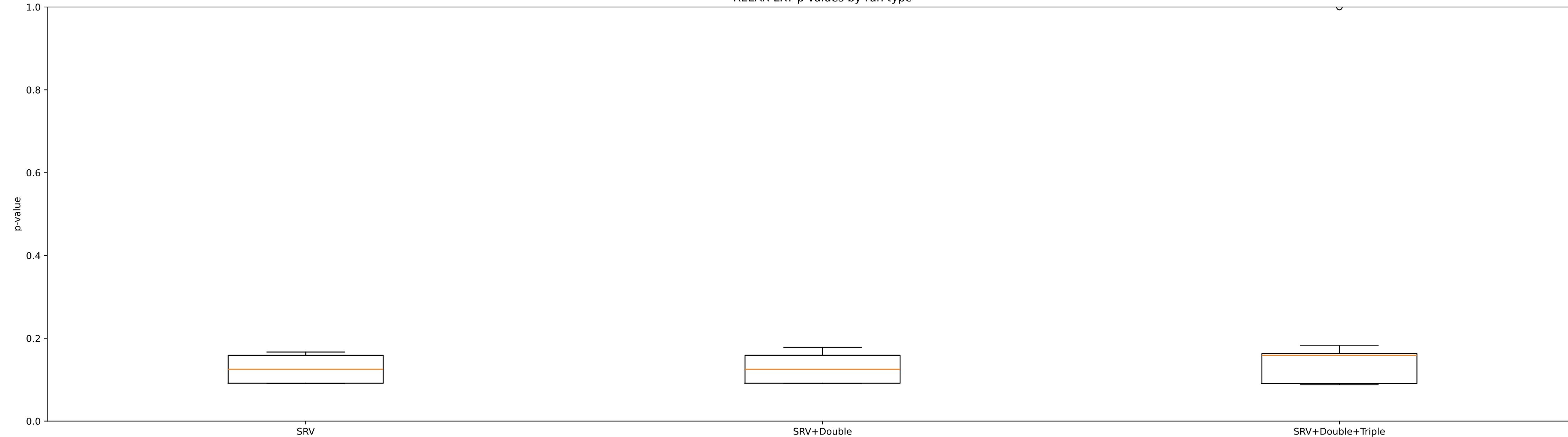
Run-type summary statistics

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
0.1254	0.0904	0.1668	1.515	0.0	3.24	0.2964	29.0545	10	nan	nan
0.1252	0.0911	0.1781	1.52	0.0	3.12	0.2964	29.0545	10	0.0	0.0
0.159	0.0876	1.0	0.0	0.0	5.78	0.2964	29.0545	10	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	0.0914	3.06	0.2964	29.0545
	2	0.0917	3.03	0.2964	29.0545
	3	0.159	0.0	0.2964	29.0545
	4	0.1668	0.0	0.2964	29.0545
	5	0.0904	3.24	0.2964	29.0543
	6	0.0916	3.04	0.2964	29.0545
	7	0.0914	3.03	0.2964	29.0545
	8	0.159	0.0	0.2964	29.0545
	9	0.159	0.0	0.2964	29.0545
	10	0.1654	0.0	0.2964	29.0545

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.0915	3.04	0.2964	29.0545
	2	0.1591	0.0	0.2964	29.0545
	3	0.1645	0.0	0.2964	29.0545
	4	0.0915	3.04	0.2964	29.0545
	5	0.0911	3.08	0.2964	29.0545
	6	0.0914	3.05	0.2964	29.0545
	7	0.1781	0.0	0.2964	29.0545
	8	0.159	0.0	0.2964	29.0545
	9	0.0912	3.12	0.2964	29.0543
	10	0.1592	0.0	0.2964	29.0545

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.1641	0.0	0.2964	29.0545
	2	0.159	0.0	0.2964	29.0545
	3	0.0876	5.78	0.2964	29.0545
	4	0.0876	5.7	0.2964	29.0545
	5	0.1602	0.0	0.2964	29.0545
	6	0.0917	3.03	0.2964	29.0545
	7	0.159	0.0	0.2964	29.0572
	8	1.0	0.0	0.2964	29.0545
	9	0.1819	0.0	0.2964	29.0545
	10	0.0901	3.33	0.2964	29.0545

	test	Negative selection	0.0	50.862	SRV+Double
	test	Negative selection	0.0	45.086	SRV+Double
	test	Negative selection	0.0	50.862	SRV+Double
	test	Negative selection	0.0	45.086	SRV+Double
	reference	Diversifying selection	4.27	SRV+Double	
	reference	Negative selection	48.34	SRV+Double	
	reference	Negative selection, Diversifying selection	47.39	SRV+Double	
	test	Negative selection	9.281	4.27	SRV+Double
	test	Negative selection	0.0	48.34	SRV+Double
	test	Negative selection, Diversifying selection	0.0	47.39	SRV+Double
	reference	Diversifying selection	9.461	3.984	SRV+Double
	reference	Negative selection	0.0	59.041	SRV+Double
	reference	Negative selection, Diversifying selection	0.0	36.975	SRV+Double
	test	Diversifying selection	1014.452	3.984	SRV+Double
	test	Diversifying selection	9.461	3.984	SRV+Double
	test	Negative selection	0.0	59.041	SRV+Double
	test	Negative selection	0.0	36.975	SRV+Double
	test	Negative selection	0.0	59.041	SRV+Double
	test	Negative selection, Diversifying selection	0.0	36.975	SRV+Double
	reference	Diversifying selection	9.327	4.257	SRV+Double
	reference	Negative selection	0.0	32.669	SRV+Double
	reference	Negative selection, Diversifying selection	0.0	63.074	SRV+Double
	test	Diversifying selection	9.327	4.257	SRV+Double
	test	Negative selection	0.0	32.669	SRV+Double
	test	Negative selection	0.0	63.074	SRV+Double
	reference	Diversifying selection	9.273	4.048	SRV+Double
	reference	Negative selection	0.0	90.867	SRV+Double
	reference	Negative selection, Diversifying selection	0.0	5.085	SRV+Double
	test	Diversifying selection	897.315	4.048	SRV+Double
	test	Diversifying selection	9.273	4.048	SRV+Double
	test	Negative selection	0.0	90.867	SRV+Double
	test	Negative selection	0.0	5.085	SRV+Double
	test	Negative selection	0.0	90.867	SRV+Double
	test	Negative selection, Diversifying selection	0.0	5.085	SRV+Double
	reference	Diversifying selection	9.277	4.269	SRV+Double
	reference	Negative selection	0.0	95.731	SRV+Double
	reference	Negative selection, Diversifying selection	0.001	0.0	SRV+Double
	test	Diversifying selection	9.277	4.269	SRV+Double
	test	Negative selection	0.0	95.731	SRV+Double
	test	Negative selection, Diversifying selection	0.001	0.0	SRV+Double
	reference	Diversifying selection	1.003	0.0	SRV+Double
	reference	Negative selection	0.052	0.0	SRV+Double
	reference	Negative selection, Diversifying selection	0.289	100.0	SRV+Double
	test	Diversifying selection	1.003	0.0	SRV+Double
	test	Negative selection	0.052	0.0	SRV+Double
	test	Negative selection	0.289	100.0	SRV+Double
	test	Neutral evolution	1.0	100.0	SRV+Double
	test	Neutral evolution	1.0	0.0	SRV+Double
	test	Neutral evolution	12	0.0	SRV+Double
	test	Neutral evolution, Diversifying selection	1.0	0.0	SRV+Double
	reference	Diversifying selection	1.077	0.0	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.776	99.408	SRV	
	2	0.951	0.0	SRV	
	3	38.615	0.592	SRV	
	1	0.774	99.391	SRV	
	2	12.191	0.0	SRV	
	3	37.842	0.609	SRV	
	1	0.773	99.403	SRV	
	2	10.865	0.0	SRV	
	3	38.796	0.597	SRV	
	1	0.402	0.0	SRV	
	2	0.588	93.117	SRV	
	3	6.568	6.883	SRV	
	1	0.0	0.0	SRV	
	2	0.278	80.853	SRV	
	3	4.047	19.147	SRV	
	1	0.709	0.0	SRV	
	2	0.778	99.397	SRV	
	3	37.656	0.603	SRV	
	1	0.707	0.0	SRV	
	2	0.778	99.411	SRV	
	3	38.412	0.589	SRV	
	1	0.763	20.212	SRV	
	2	0.778	79.195	SRV	
	3	38.73	0.593	SRV	
	1	0.779	99.412	SRV	
	2	8.54	0.0	SRV	
	3	38.358	0.588	SRV	
	1	0.369	0.0	SRV	
	2	0.589	93.147	SRV	
	3	6.586	6.853	SRV	
	1	0.098	0.0	SRV	
	2	0.589	93.15	SRV	
	3	6.587	6.85	SRV	
	1	0.003	0.0	SRV	
	2	0.245	79.18	SRV	
	3	3.872	20.82	SRV	

