

# RELAX Combined Report

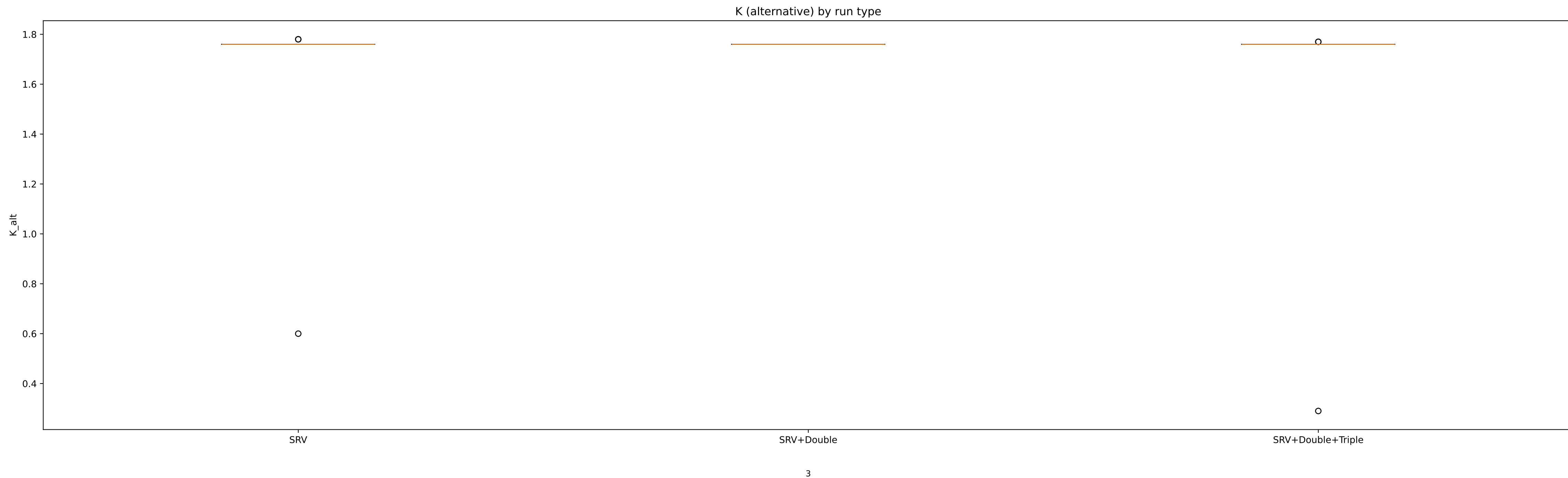
SRV vs SRV+Double vs SRV+Double+Triple

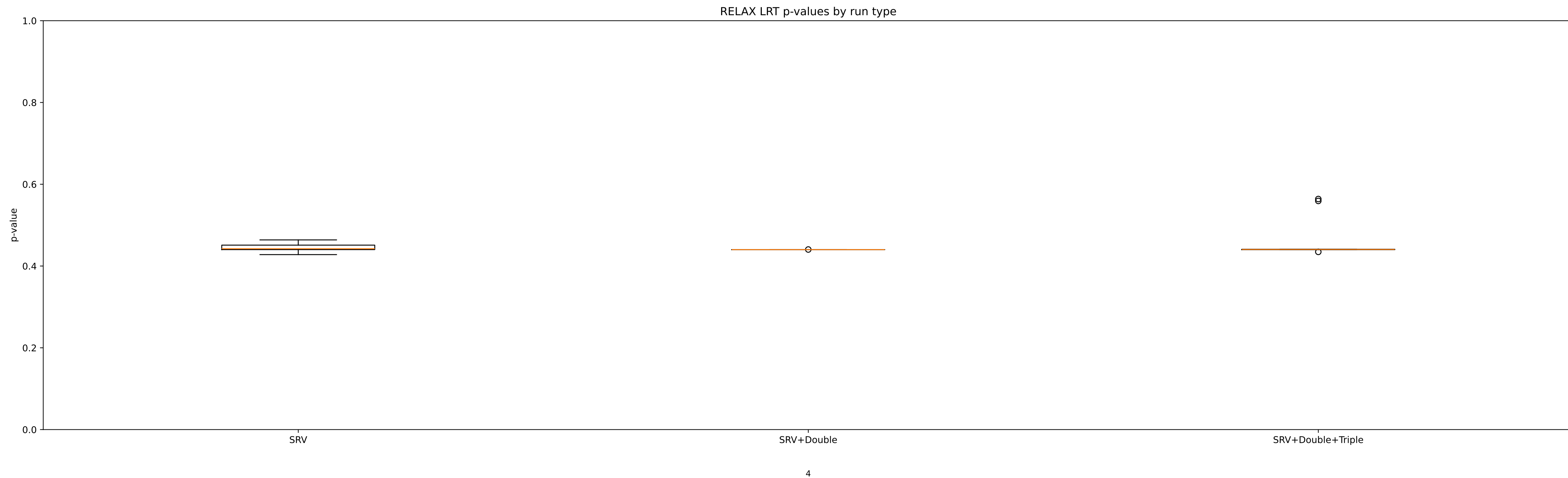
Includes:

- 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_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.4424	0.4279	0.4639	1.76	0.6	1.78	0.3302	0.1386	10	nan	nan
0.4401	0.44	0.4404	1.76	1.76	1.76	0.3302	0.1386	10	0.0	0.0
0.4404	0.4346	0.5639	1.76	0.29	1.77	0.3302	0.1386	10	0.0	0.0





2H rates (reference) by run type





3H rates (reference) by run type



3H rates (test) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.4639	1.76	0.3302	0.1386	
	2	0.4402	1.76	0.3302	0.1386	
	3	0.4523	1.76	0.3302	0.1386	
	4	0.4402	1.76	0.3303	0.1387	
	5	0.44	1.76	0.3303	0.1387	
	6	0.4424	1.78	0.3303	0.1387	
	7	0.4423	1.78	0.3303	0.1387	
	8	0.4476	1.76	0.3302	0.1386	
	9	0.4582	1.76	0.3302	0.1386	
	10	0.4279	0.6	0.3302	0.1386	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.4401	1.76	0.3302	0.1386	
	2	0.4401	1.76	0.3302	0.1386	
	3	0.4402	1.76	0.3302	0.1386	
	4	0.4404	1.76	0.3302	0.1386	
	5	0.4401	1.76	0.3302	0.1386	
	6	0.44	1.76	0.3302	0.1386	
	7	0.4402	1.76	0.3302	0.1386	
	8	0.4402	1.76	0.3302	0.1386	
	9	0.44	1.76	0.3303	0.1386	
	10	0.4401	1.76	0.3303	0.1387	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.4401	1.76	0.3303	0.1387	
	2	0.44	1.76	0.3302	0.1386	
	3	0.4346	0.29	0.3302	0.1386	
	4	0.4411	1.77	0.3302	0.1386	
	5	0.5592	1.76	0.3302	0.1386	
	6	0.5639	1.76	0.3303	0.1387	
	7	0.44	1.77	0.3302	0.1386	
	8	0.4409	1.76	0.3302	0.1386	
	9	0.4408	1.76	0.3302	0.1386	
	10	0.44	1.76	0.3302	0.1386	

	test	Negative selection	0.0	0.0	SRV+Double	
	test	Negative selection	0.136	100.0	SRV+Double	
	test	Negative selection	0.002	0.0	SRV+Double	
	test	Negative selection	0.322	100.0	SRV+Double	
	reference	Diversifying selection	Ω-class distributions (all) (cols 1-7/7)	0.0	SRV+Double	
	reference	Negative selection		0.002	SRV+Double	
	reference	Negative selection		0.31	SRV+Double	
	test	Diversifying selection		1.618	SRV+Double	
	test	Negative selection		0.002	SRV+Double	
	test	Negative selection		0.31	SRV+Double	
	reference	Diversifying selection		1.002	SRV+Double	
	reference	Negative selection		0.102	SRV+Double	
	reference	Negative selection		0.323	SRV+Double	
	test	Diversifying selection		1.003	SRV+Double	
	test	Diversifying selection		1.002	SRV+Double	
	test	Negative selection		0.018	SRV+Double	
	test	Negative selection	0.136	100.0	SRV+Double	
	test	Negative selection	0.102	0.0	SRV+Double	
	test	Negative selection	0.323	100.0	SRV+Double	
	reference	Diversifying selection	1.154	0.0	SRV+Double	
	reference	Negative selection	0.094	0.0	SRV+Double	
	reference	Negative selection	0.31	100.0	SRV+Double	
	test	Diversifying selection	1.154	0.0	SRV+Double	
	test	Negative selection	0.094	0.0	SRV+Double	
	test	Negative selection	0.31	100.0	SRV+Double	
	reference	Diversifying selection	1.011	0.0	SRV+Double	
	reference	Negative selection	0.321	95.999	SRV+Double	
	reference	Negative selection	0.36	4.001	SRV+Double	
	test	Diversifying selection	1.02	0.0	SRV+Double	
	test	Diversifying selection	1.011	0.0	SRV+Double	
	test	Negative selection	0.135	95.999	SRV+Double	
	test	Negative selection	0.166	4.001	SRV+Double	
	test	Negative selection	0.321	95.999	SRV+Double	
	test	Negative selection	0.36	4.001	SRV+Double	
	reference	Diversifying selection	1.163	0.0	SRV+Double	
	reference	Negative selection	0.309	85.664	SRV+Double	
	reference	Negative selection	0.317	14.336	SRV+Double	
	test	Diversifying selection	1.163	0.0	SRV+Double	
	test	Negative selection	0.309	85.664	SRV+Double	
	test	Negative selection	0.317	14.336	SRV+Double	
	reference	Diversifying selection	1.009	0.0	SRV+Double	
	reference	Negative selection	0.192	0.0	SRV+Double	
	reference	Negative selection	0.322	100.0	SRV+Double	
	test	Diversifying selection	1.016	0.0	SRV+Double	
	test	Diversifying selection	1.009	0.0	SRV+Double	
	test	Negative selection	0.055	0.0	SRV+Double	
	test	Negative selection	0.136	100.0	SRV+Double	
	test	Negative selection	0.192	0.0	SRV+Double	
	test	Negative selection	12 0.322	100.0	SRV+Double	
	reference	Diversifying selection	1.162	0.0	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.001	0.0	SRV	
	2	0.249	79.382	SRV	
	3	3.892	20.618	SRV	
	1	0.588	93.106	SRV	
	2	6.537	2.777	SRV	
	3	6.576	4.117	SRV	
	1	0.004	0.0	SRV	
	2	0.2	76.927	SRV	
	3	3.667	23.073	SRV	
	1	0.161	0.0	SRV	
	2	0.588	93.096	SRV	
	3	6.555	6.904	SRV	
	1	0.176	0.0	SRV	
	2	0.588	93.111	SRV	
	3	6.563	6.889	SRV	
	1	0.006	0.0	SRV	
	2	0.641	95.17	SRV	
	3	8.08	4.83	SRV	
	1	0.062	0.0	SRV	
	2	0.588	93.114	SRV	
	3	6.565	6.886	SRV	
	1	0.003	0.0	SRV	
	2	0.219	77.879	SRV	
	3	3.75	22.121	SRV	
	1	0.003	0.0	SRV	
	2	0.201	76.963	SRV	
	3	3.67	23.037	SRV	
	1	0.773	99.405	SRV	
	2	8.412	0.0	SRV	
	3	38.989	0.595	SRV	

