

RELAX Combined Report

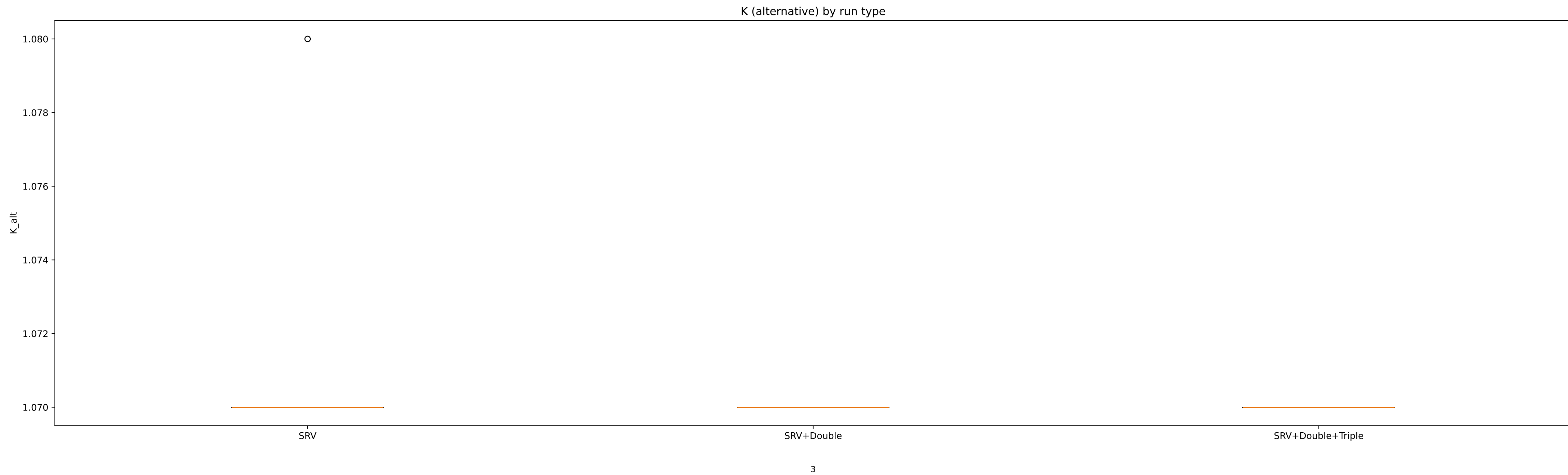
SRV vs SRV+Double vs SRV+Double+Triple

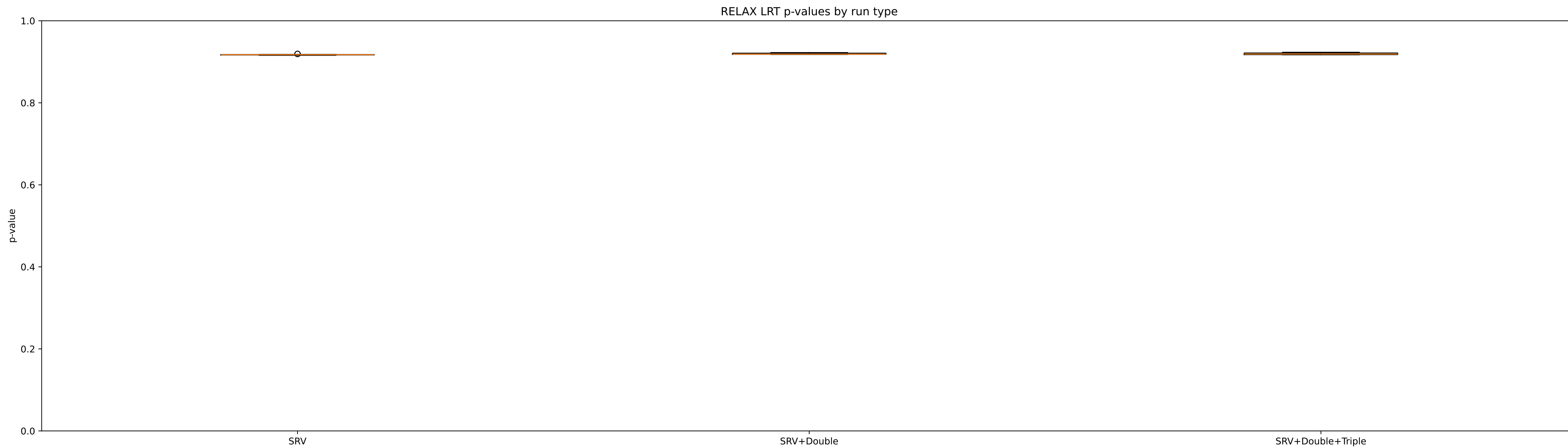
Includes:

- 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
0.9172	0.9158	0.9192	1.07	1.07	1.08	0.4035	0.3765	10	nan	nan
0.9186	0.9178	0.9224	1.07	1.07	1.07	0.4035	0.3765	10	0.0055	0.0
0.9189	0.9172	0.9232	1.07	1.07	1.07	0.4035	0.3765	9	0.0056	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	0.9167	1.07	0.4035	0.3765	
	2	0.9171	1.08	0.4035	0.3765	
	3	0.9175	1.07	0.4035	0.3765	
	4	0.9166	1.07	0.4035	0.3765	
	5	0.9163	1.07	0.4035	0.3765	
	6	0.9177	1.07	0.4035	0.3765	
	7	0.9158	1.07	0.4035	0.3765	
	8	0.9179	1.07	0.4035	0.3765	
	9	0.9174	1.07	0.4035	0.3765	
	10	0.9192	1.07	0.4035	0.3765	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.9216	1.07	0.4035	0.3765	
	2	0.9182	1.07	0.4035	0.3765	
	3	0.9187	1.07	0.4035	0.3765	
	4	0.919	1.07	0.4035	0.3765	
	5	0.9224	1.07	0.4035	0.3765	
	6	0.918	1.07	0.4035	0.3765	
	7	0.9178	1.07	0.4035	0.3765	
	8	0.9218	1.07	0.4035	0.3765	
	9	0.9184	1.07	0.4035	0.3765	
	10	0.9183	1.07	0.4035	0.3765	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.9232	1.07	0.4035	0.3765	
	2	0.9184	1.07	0.4035	0.3765	
	3	0.9172	1.07	0.4035	0.3765	
	4	0.921	1.07	0.4035	0.3765	
	5	0.9214	1.07	0.4035	0.3765	
	6	0.9215	1.07	0.4035	0.3765	
	7	0.9189	1.07	0.4035	0.3765	
	8	0.9175	1.07	0.4035	0.3765	
	9	0.9175	1.07	0.4035	0.3765	
	10	nan	nan	nan	nan	

		test	Negative selection	0.018	0.0	SRV+Double	
		test	Negative selection	0.398	100.0	SRV+Double	
		reference	Diversifying selection	1.06	0.0	SRV+Double	
		reference	Negative selection	0.397	89.46	SRV+Double	
		reference	Negative selection	0.42	10.54	SRV+Double	
		test	Diversifying selection	1.065	0.0	SRV+Double	
		test	Diversifying selection	1.06	0.0	SRV+Double	
		test	Negative selection	0.372	89.46	SRV+Double	
		test	Negative selection	0.394	10.54	SRV+Double	
		test	Negative selection	0.397	89.46	SRV+Double	
		test	Negative selection	0.42	10.54	SRV+Double	
		reference	Diversifying selection	2.112	0.0	SRV+Double	
		reference	Negative selection	0.398	100.0	SRV+Double	
		reference	Negative selection	0.49	0.0	SRV+Double	
		test	Diversifying selection	2.112	0.0	SRV+Double	
		test	Negative selection	0.398	100.0	SRV+Double	
		test	Negative selection	0.49	0.0	SRV+Double	
		reference	Diversifying selection	1.077	0.0	SRV+Double	
		reference	Negative selection	0.4	46.364	SRV+Double	
		reference	Negative selection	0.401	53.636	SRV+Double	
		test	Diversifying selection	1.082	0.0	SRV+Double	
		test	Diversifying selection	1.077	0.0	SRV+Double	
		test	Negative selection	0.374	46.364	SRV+Double	
		test	Negative selection	0.376	53.636	SRV+Double	
		test	Negative selection	0.4	46.364	SRV+Double	
		test	Negative selection	0.401	53.636	SRV+Double	
		reference	Diversifying selection	1.987	0.0	SRV+Double	
		reference	Negative selection	0.301	0.0	SRV+Double	
		reference	Negative selection	0.398	100.0	SRV+Double	
		test	Diversifying selection	1.987	0.0	SRV+Double	
		test	Negative selection	0.301	0.0	SRV+Double	
		test	Negative selection	0.398	100.0	SRV+Double	
		reference	Diversifying selection	1.049	0.0	SRV+Double	
		reference	Negative selection	0.011	0.0	SRV+Double	
		reference	Negative selection	0.398	100.0	SRV+Double	
		test	Diversifying selection	1.052	0.0	SRV+Double	
		test	Diversifying selection	1.049	0.0	SRV+Double	
		test	Negative selection	0.008	0.0	SRV+Double	
		test	Negative selection	0.375	100.0	SRV+Double	
		test	Negative selection	0.011	0.0	SRV+Double	
		test	Negative selection	0.398	100.0	SRV+Double	
		reference	Diversifying selection	2.361	0.0	SRV+Double	
		reference	Negative selection	0.009	0.0	SRV+Double	
		reference	Negative selection	0.397	100.0	SRV+Double	
		test	Diversifying selection	2.361	0.0	SRV+Double	
		test	Negative selection	0.009	0.0	SRV+Double	
		test	Negative selection	0.397	100.0	SRV+Double	
		reference	Diversifying selection	1.123	0.0	SRV+Double	
		reference	Negative selection	0.202	0.0	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.786	75.815	SRV	
	2	0.788	20.457	SRV	
	3	6.522	3.728	SRV	
	1	0.786	96.245	SRV	
	2	0.993	0.0	SRV	
	3	6.494	3.755	SRV	
	1	0.785	68.607	SRV	
	2	0.787	27.659	SRV	
	3	6.521	3.734	SRV	
	1	0.785	96.239	SRV	
	2	1.096	0.0	SRV	
	3	6.491	3.761	SRV	
	1	0.782	4.136	SRV	
	2	0.786	92.116	SRV	
	3	6.503	3.749	SRV	
	1	0.786	96.244	SRV	
	2	1.28	0.0	SRV	
	3	6.495	3.756	SRV	
	1	0.786	75.581	SRV	
	2	0.787	20.697	SRV	
	3	6.524	3.722	SRV	
	1	0.786	49.366	SRV	
	2	0.787	46.905	SRV	
	3	6.521	3.728	SRV	
	1	0.779	5.828	SRV	
	2	0.786	90.415	SRV	
	3	6.495	3.757	SRV	
	1	0.783	8.749	SRV	
	2	0.786	87.503	SRV	
	3	6.506	3.748	SRV	

	reference	2H	0.0054	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0055	SRV+Double	
	reference	2H	0.0054	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0833	SRV+Double	
	reference	2H	0.0054	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0056	SRV+Double	
	reference	2H	0.0054	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0738	SRV+Double+Triple	
	reference	2H	0.0056	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	0.0056	SRV+Double+Triple	
	reference	2H	0.0055	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	0.0735	SRV+Double+Triple	
	reference	2H	0.0054	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	0.0056	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	0.0733	SRV+Double+Triple	
	reference	2H	0.0054	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	0.0055	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	0.0734	SRV+Double+Triple	
	reference	2H	0.0053	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	0.0055	SRV+Double+Triple	
	reference	2H	0.0054	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	