

RELAX Combined Report

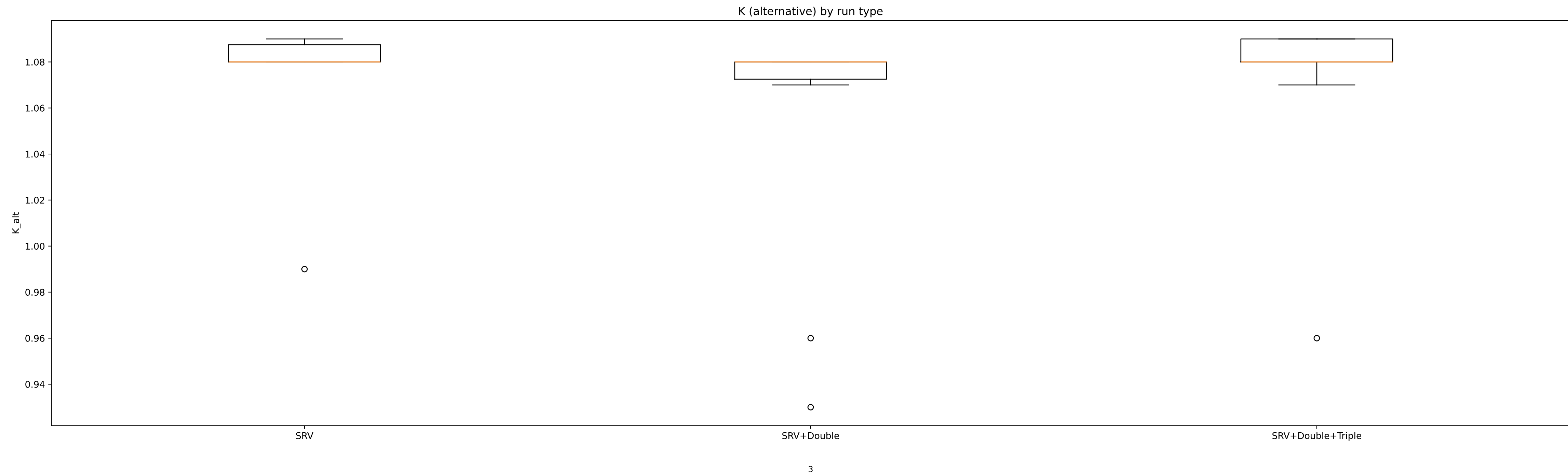
SRV vs SRV+Double vs SRV+Double+Triple

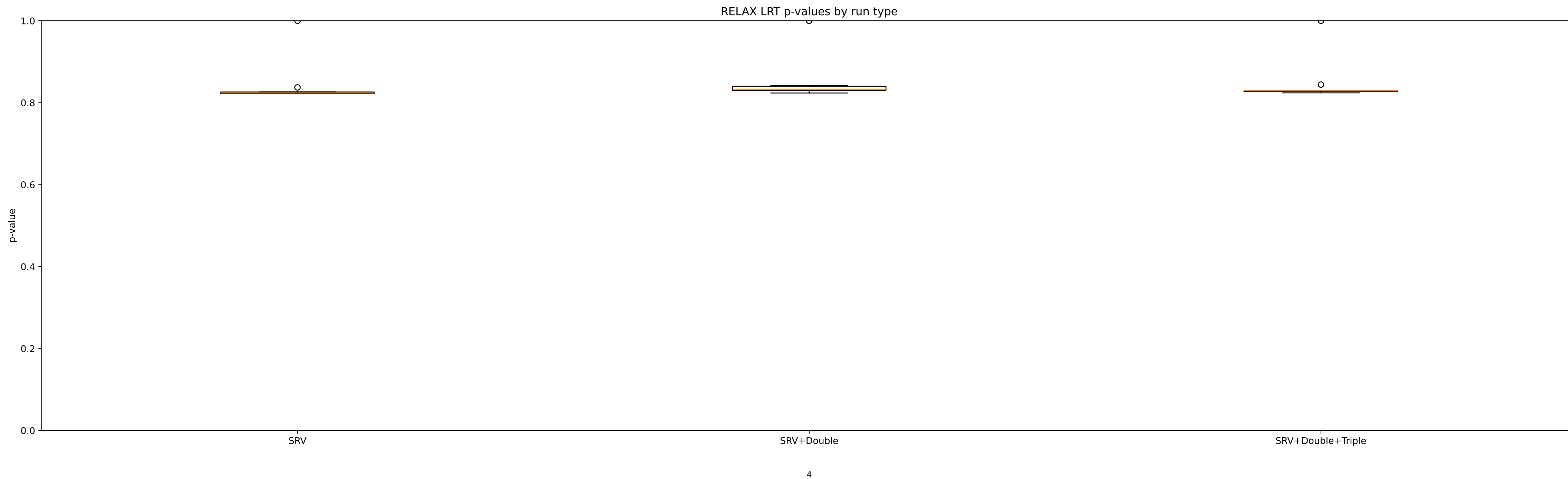
Includes:

- 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
0.8238	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









3H rates (reference) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	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	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	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	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	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	92.129	SRV+Double
	reference	Negative selection	0.481	7.871	SRV+Double
	test	Diversifying selection	1.006	0.0	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	Negative selection	0.473	7.859	SRV+Double
	test	Diversifying 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
		Neutral evolution	1.0	0.695	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
	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	
	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	
	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	
	1	0.276	27.919	SRV	
	2	0.439	28.801	SRV	
	3	1.84	43.28	SRV	

	test	2H	0.0	SRV+Double	
	reference	2H	0.0	SRV+Double	
	reference	2H	0.0053	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0065	SRV+Double	
	reference	2H	0.0046	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0023	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0	SRV+Double+Triple	
	reference	2H	0.0041	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	0.0046	SRV+Double+Triple	
	reference	2H	0.0043	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	0.0	SRV+Double+Triple	
	reference	2H	0.0035	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	0.0046	SRV+Double+Triple	
	reference	2H	0.0042	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	SRV+Double+Triple	
	reference	2H	0.0059	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	