RELAX Combined Report
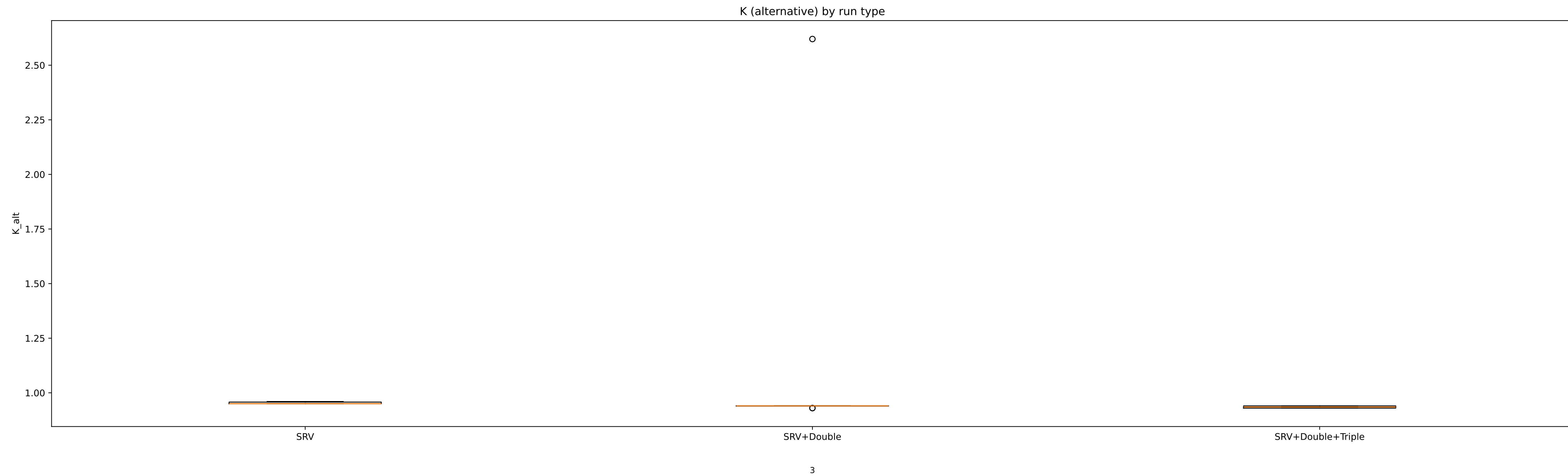
SRV vs SRV+Double vs SRV+Double+Triple
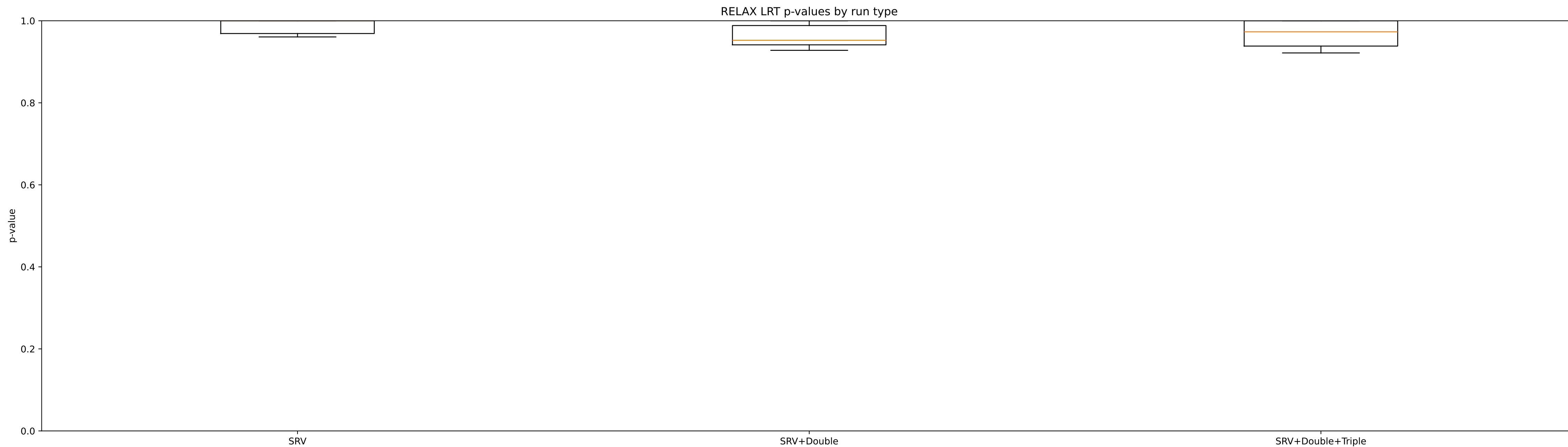
Includes:

- 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_median	omega_test_median	warnings_count	2H_reference_median	2H_test_median
1.0	0.9606	1.0	0.95	0.95	0.96	0.2397	0.2533	10	nan	nan
0.9524	0.9279	1.0	0.94	0.93	2.62	0.2397	0.2533	10	0.0538	0.0
0.9732	0.9216	1.0	0.935	0.93	0.94	0.2397	0.2533	10	0.0566	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	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	0.96	0.2397	0.2533	
	2	1.0	0.96	0.2397	0.2533	
	3	0.9606	0.95	0.2397	0.2533	
	4	0.9681	0.96	0.2396	0.2536	
	5	0.9713	0.95	0.2395	0.2534	
	6	1.0	0.95	0.2397	0.2533	
	7	1.0	0.95	0.2399	0.2531	
	8	1.0	0.95	0.2397	0.2533	
	9	0.9672	0.95	0.2397	0.2533	
	10	1.0	0.95	0.2397	0.2533	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.9519	0.94	0.2397	0.2533	
	2	0.9529	0.94	0.2397	0.2533	
	3	0.9357	0.94	0.2397	0.2533	
	4	0.9431	0.94	0.2397	0.2533	
	5	0.9535	0.93	0.24	0.2533	
	6	1.0	0.94	0.2397	0.2533	
	7	1.0	0.94	0.2397	0.2533	
	8	0.9279	0.93	0.2397	0.2533	
	9	1.0	2.62	0.2397	0.2533	
	10	0.9407	0.94	0.2397	0.2533	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	1.0	0.94	0.2397	0.2533	
2	0.9253	0.93	0.2397	0.2533	
3	0.9216	0.93	0.2397	0.2533	
4	0.9463	0.93	0.2397	0.2533	
5	1.0	0.94	0.2397	0.2533	
6	1.0	0.94	0.2395	0.2534	
7	1.0	0.93	0.2397	0.2533	
8	0.9421	0.93	0.2397	0.2533	
9	1.0	0.94	0.2397	0.2533	
10	0.9371	0.94	0.2397	0.2533	

		Class	Value	Value		Model
	test	Negative selection	0.151	67.992		SRV+Double
	test	Negative selection	0.435	32.008		SRV+Double
	test	Negative selection	0.134	67.992		SRV+Double
	test	Negative selection	0.413	32.008		SRV+Double
	reference	Diversifying selection	0.016	0.0		SRV+Double
	reference	Negative selection	0.133	67.621		SRV+Double
	reference	Negative selection	0.41	32.379		SRV+Double
	test	Diversifying selection	4.596	0.0		SRV+Double
	test	Negative selection	0.133	67.621		SRV+Double
	test	Negative selection	0.41	32.379		SRV+Double
	reference	Diversifying selection	2.163	0.0		SRV+Double
	reference	Negative selection	0.001	19.637		SRV+Double
	reference	Negative selection	0.276	80.363		SRV+Double
	test	Diversifying selection	2.052	0.0		SRV+Double
	test	Diversifying selection	2.163	0.0		SRV+Double
	test	Negative selection	0.002	19.637		SRV+Double
	test	Negative selection	0.301	80.363		SRV+Double
	test	Negative selection	0.001	19.637		SRV+Double
	test	Negative selection	0.276	80.363		SRV+Double
	reference	Diversifying selection	6.034	0.0		SRV+Double
	reference	Negative selection	0.0	19.635		SRV+Double
	reference	Negative selection	0.276	80.365		SRV+Double
	test	Diversifying selection	6.034	0.0		SRV+Double
	test	Negative selection	0.0	19.635		SRV+Double
	test	Negative selection	0.276	80.365		SRV+Double
	reference	Diversifying selection	1.616	0.0		SRV+Double
	reference	Negative selection	0.154	76.907		SRV+Double
	reference	Negative selection	0.451	23.093		SRV+Double
	test	Diversifying selection	1.569	0.0		SRV+Double
	test	Diversifying selection	1.616	0.0		SRV+Double
	test	Negative selection	0.172	76.907		SRV+Double
	test	Negative selection	0.474	23.093		SRV+Double
	test	Negative selection	0.154	76.907		SRV+Double
	test	Negative selection	0.451	23.093		SRV+Double
	reference	Diversifying selection	6.166	0.0		SRV+Double
	reference	Negative selection	0.146	69.022		SRV+Double
	reference	Negative selection	0.39	30.978		SRV+Double
	test	Diversifying selection	6.166	0.0		SRV+Double
	test	Negative selection	0.146	69.022		SRV+Double
	test	Negative selection	0.39	30.978		SRV+Double
	reference	Negative selection	0.0	10.633		SRV+Double
	reference	Negative selection	0.236	88.105		SRV+Double
	reference	Neutral evolution	1.0	1.262		SRV+Double
	test	Negative selection	0.0	10.633		SRV+Double
	test	Negative selection	0.259	88.105		SRV+Double
	test	Negative selection	0.0	10.633		SRV+Double
	test	Negative selection	0.236	88.105		SRV+Double
	test	Neutral evolution	1.0	1.262		SRV+Double
	test	Neutral evolution	1.0	1.262		SRV+Double
	reference	Diversifying selection	1.011	0.0		SRV+Double

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.694	83.764	SRV	
	2	2.217	14.391	SRV	
	3	5.397	1.845	SRV	
	1	0.694	83.679	SRV	
	2	2.193	14.33	SRV	
	3	5.26	1.99	SRV	
	1	0.693	83.486	SRV	
	2	2.179	14.5	SRV	
	3	5.247	2.014	SRV	
	1	0.695	83.81	SRV	
	2	2.213	14.287	SRV	
	3	5.337	1.902	SRV	
	1	0.692	83.425	SRV	
	2	2.174	14.54	SRV	
	3	5.237	2.035	SRV	
	1	0.694	83.721	SRV	
	2	2.214	14.444	SRV	
	3	5.412	1.834	SRV	
	1	0.693	83.581	SRV	
	2	2.196	14.516	SRV	
	3	5.35	1.903	SRV	
	1	0.693	83.594	SRV	
	2	2.189	14.423	SRV	
	3	5.271	1.983	SRV	
	1	0.693	83.524	SRV	
	2	2.189	14.531	SRV	
	3	5.308	1.945	SRV	
	1	0.693	83.633	SRV	
	2	2.214	14.567	SRV	
	3	5.444	1.8	SRV	

	reference	2H		0.0539	SRV+Double
	reference	2H		0.0541	SRV+Double
	test	2H		0.0	SRV+Double
	reference	2H		0.1267	SRV+Double+Triple
	reference	2H	Multihit (2H/3H) rates (all) (cols 1-6/6)	0.0575	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		0.0575	SRV+Double+Triple
	reference	2H		0.057	SRV+Double+Triple
	reference	2H		0.0567	SRV+Double+Triple
	reference	2H		0.0564	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		0.1187	SRV+Double+Triple
	reference	2H		0.0535	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		0.0534	SRV+Double+Triple
	reference	2H		0.0522	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		0.1746	SRV+Double+Triple
	reference	2H		0.0541	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		0.0538	SRV+Double+Triple
	reference	2H		0.0534	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		0.1298	SRV+Double+Triple
	reference	2H		0.0576	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		0.0569	SRV+Double+Triple
	reference	2H		0.0559	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		0.1321	SRV+Double+Triple
	reference	2H		0.0506	SRV+Double+Triple
	reference	3H		0.0	SRV+Double+Triple
	test	2H		0.0	SRV+Double+Triple
	test	3H		0.0	SRV+Double+Triple