

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

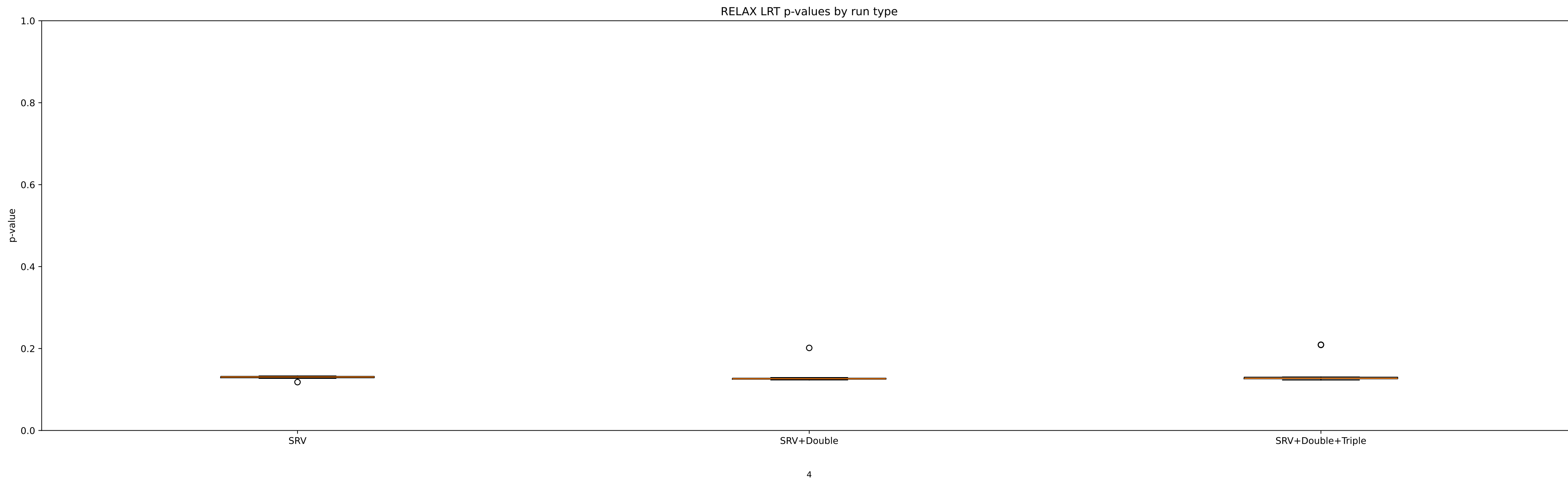
Includes:

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

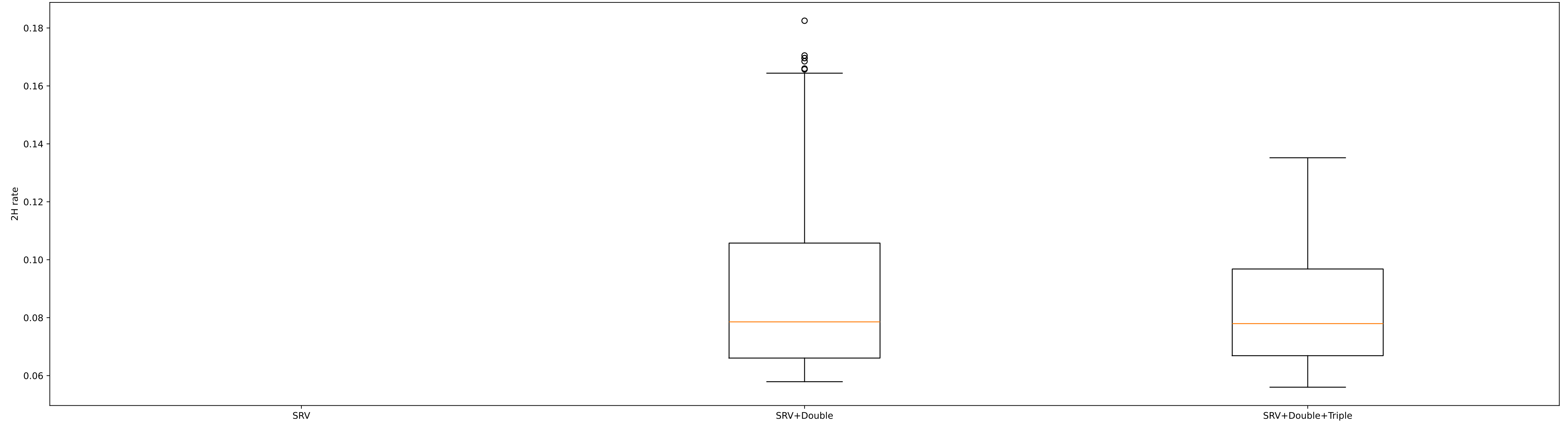
Run-type summary statistics

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
0.1306	0.118	0.133	0.76	0.75	0.76	0.2334	0.3062	10	nan	nan
0.1262	0.1234	0.2015	0.78	0.77	0.78	0.2334	0.3062	10	0.0786	0.0
0.1273	0.1232	0.2093	0.78	0.77	0.78	0.2334	0.3062	10	0.0779	0.0





2H rates (reference) by run type





3H rates (reference) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.1317	0.76	0.2334	0.3062	
	2	0.1324	0.75	0.2334	0.3063	
	3	0.1307	0.76	0.2334	0.3062	
	4	0.133	0.75	0.2334	0.3062	
	5	0.1283	0.76	0.2334	0.3062	
	6	0.118	0.75	0.2334	0.3062	
	7	0.1272	0.76	0.2334	0.3062	
	8	0.1299	0.76	0.2334	0.3062	
	9	0.1304	0.76	0.2334	0.3064	
	10	0.132	0.75	0.2333	0.3061	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.126	0.77	0.2334	0.3063	
	2	0.1291	0.78	0.2334	0.3062	
	3	0.1269	0.77	0.2335	0.3066	
	4	0.2015	0.77	0.2334	0.3062	
	5	0.125	0.78	0.2334	0.306	
	6	0.1234	0.78	0.2334	0.3062	
	7	0.1265	0.78	0.2334	0.3062	
	8	0.124	0.78	0.2334	0.3062	
	9	0.1259	0.78	0.2334	0.3063	
	10	0.1277	0.78	0.2334	0.3062	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.1273	0.77	0.2334	0.3062	
	2	0.1285	0.78	0.2334	0.3062	
	3	0.1261	0.77	0.2334	0.3062	
	4	0.2088	0.78	0.2334	0.3062	
	5	0.1239	0.78	0.2334	0.3062	
	6	0.2093	0.78	0.2334	0.3062	
	7	0.1305	0.78	0.2334	0.3062	
	8	0.1264	0.77	0.2334	0.3062	
	9	0.1232	0.78	0.2334	0.3062	
	10	0.1273	0.78	0.2334	0.3062	

	test	Negative s election	0.178	46.251	SRV+Double	
	test	Negative s election	0.398	53.749	SRV+Double	
	test	Negative s election	0.107	46.251	SRV+Double	
	test	Negative s election	0.303	53.749	SRV+Double	
	reference	Negative s election, Diversifying selection	0.122	0.0	SRV+Double	
	reference	Negative s election	0.122	45.866	SRV+Double	
	reference	Negative s election, Diversifying selection	0.302	54.134	SRV+Double	
	test	Negative s election	1.223	0.0	SRV+Double	
	test	Negative s election	0.122	45.866	SRV+Double	
	test	Negative s election	0.302	54.134	SRV+Double	
	reference	Negative s election	0.174	34.307	SRV+Double	
	reference	Negative s election	0.218	64.55	SRV+Double	
	reference	Neutral evolution	1.0	1.144	SRV+Double	
	test	Negative s election	0.255	34.307	SRV+Double	
	test	Negative s election	0.305	64.55	SRV+Double	
	test	Negative s election	0.174	34.307	SRV+Double	
	test	Negative s election	0.218	64.55	SRV+Double	
	test	Neutral evolution	1.0	1.144	SRV+Double	
	test	Neutral evolution	1.0	1.144	SRV+Double	
	reference	Negative s election	0.197	31.619	SRV+Double	
	reference	Negative s election	0.222	68.065	SRV+Double	
	reference	Neutral evolution	1.0	0.316	SRV+Double	
	test	Negative s election	0.197	31.619	SRV+Double	
	test	Negative s election	0.222	68.065	SRV+Double	
	test	Neutral evolution, Diversifying selection	1.0	0.316	SRV+Double	
	reference	Negative s election	1.046	0.0	SRV+Double	
	reference	Negative s election	0.161	78.584	SRV+Double	
	reference	Negative s election, Diversifying selection	0.399	21.416	SRV+Double	
	test	Negative s election, Diversifying selection	1.036	0.0	SRV+Double	
	test	Negative s election	1.046	0.0	SRV+Double	
	test	Negative s election	0.243	78.584	SRV+Double	
	test	Negative s election	0.49	21.416	SRV+Double	
	test	Negative s election	0.161	78.584	SRV+Double	
	test	Negative s election, Diversifying selection	0.399	21.416	SRV+Double	
	reference	Negative s election	2.058	0.0	SRV+Double	
	reference	Negative s election	0.168	77.395	SRV+Double	
	reference	Negative s election, Diversifying selection	0.395	22.605	SRV+Double	
	test	Negative s election	2.058	0.0	SRV+Double	
	test	Negative s election	0.168	77.395	SRV+Double	
	test	Negative s election	0.395	22.605	SRV+Double	
	reference	Negative s election	0.087	18.693	SRV+Double	
	reference	Negative s election	0.238	81.283	SRV+Double	
	reference	Neutral evolution	1.0	0.025	SRV+Double	
	test	Negative s election	0.149	18.693	SRV+Double	
	test	Negative s election	0.327	81.283	SRV+Double	
	test	Negative s election	0.087	18.693	SRV+Double	
	test	Negative s election	0.238	81.283	SRV+Double	
	test	Neutral evolution	1.0	0.025	SRV+Double	
	test	Neutral evolution, Diversifying selection	1.0	0.025	SRV+Double	
	reference	Negative s election, Diversifying selection	1.955	0.0	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.695	83.881	SRV	
	2	2.223	14.248	SRV	
	3	5.36	1.871	SRV	
	1	0.693	83.639	SRV	
	2	2.204	14.478	SRV	
	3	5.37	1.883	SRV	
	1	0.694	83.859	SRV	
	2	2.234	14.358	SRV	
	3	5.453	1.783	SRV	
	1	0.692	83.379	SRV	
	2	2.18	14.679	SRV	
	3	5.32	1.942	SRV	
	1	0.694	83.71	SRV	
	2	2.202	14.353	SRV	
	3	5.324	1.938	SRV	
	1	0.598	49.593	SRV	
	2	0.98	41.856	SRV	
	3	3.426	8.551	SRV	
	1	0.694	83.742	SRV	
	2	2.195	14.227	SRV	
	3	5.23	2.03	SRV	
	1	0.694	83.843	SRV	
	2	2.208	14.167	SRV	
	3	5.289	1.99	SRV	
	1	0.693	83.589	SRV	
	2	2.195	14.481	SRV	
	3	5.332	1.93	SRV	
	1	0.693	83.478	SRV	
	2	2.171	14.422	SRV	
	3	5.154	2.1	SRV	

	reference	2H	0.0876	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0796	SRV+Double	
	reference	2H	0.0593	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.1315	SRV+Double+Triple	
	reference	2H	0.0791	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	0.0737	SRV+Double+Triple	
	reference	2H	0.0641	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	0.1217	SRV+Double+Triple	
	reference	2H	0.0869	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	0.0793	SRV+Double+Triple	
	reference	2H	0.0665	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	0.1352	SRV+Double+Triple	
	reference	2H	0.0756	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	0.0709	SRV+Double+Triple	
	reference	2H	0.0639	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	0.1242	SRV+Double+Triple	
	reference	2H	0.0815	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	0.067	SRV+Double+Triple	
	reference	2H	0.056	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	0.1261	SRV+Double+Triple	
	reference	2H	0.0885	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	