

# RELAX Combined Report

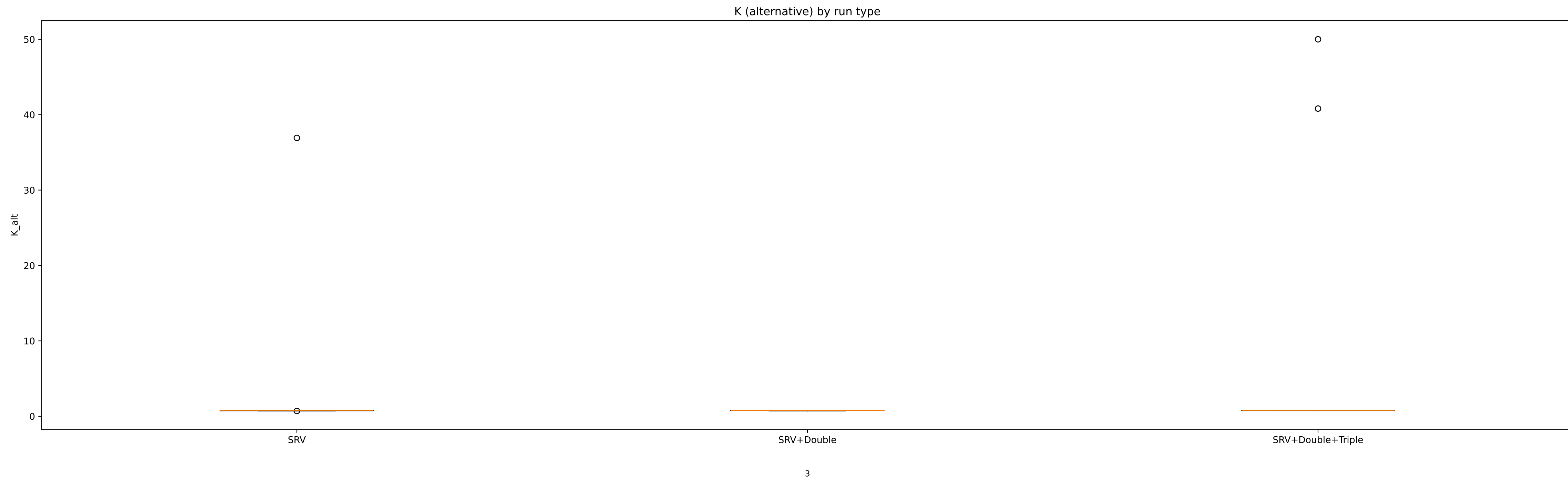
SRV vs SRV+Double vs SRV+Double+Triple

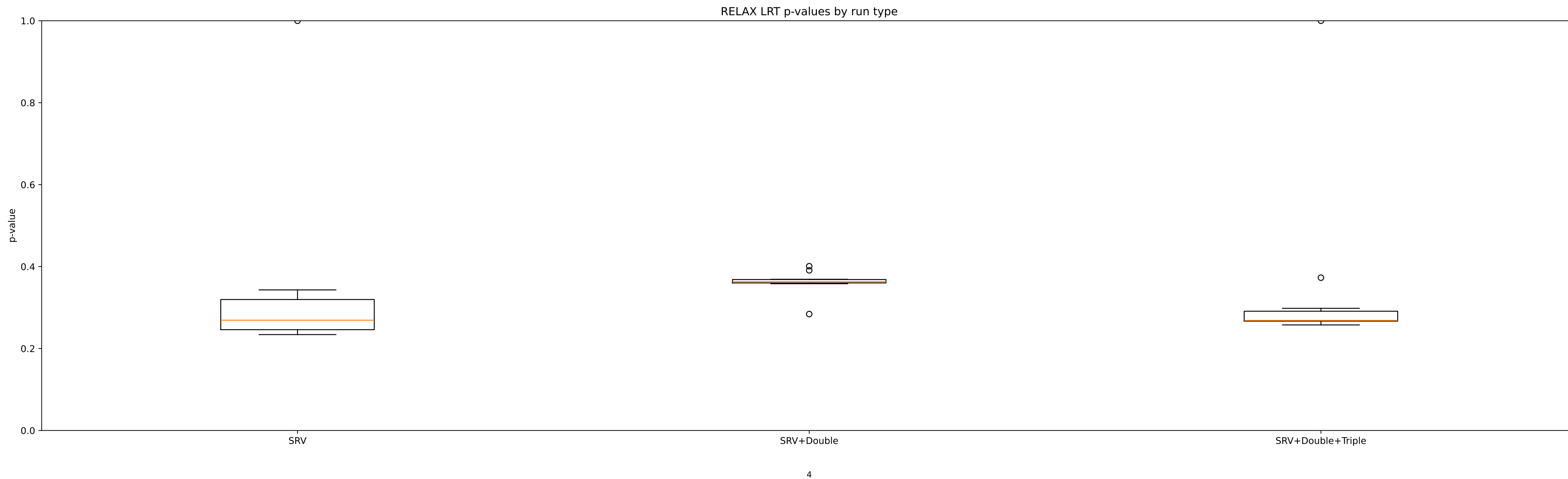
Includes:

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

Run-type summary statistics

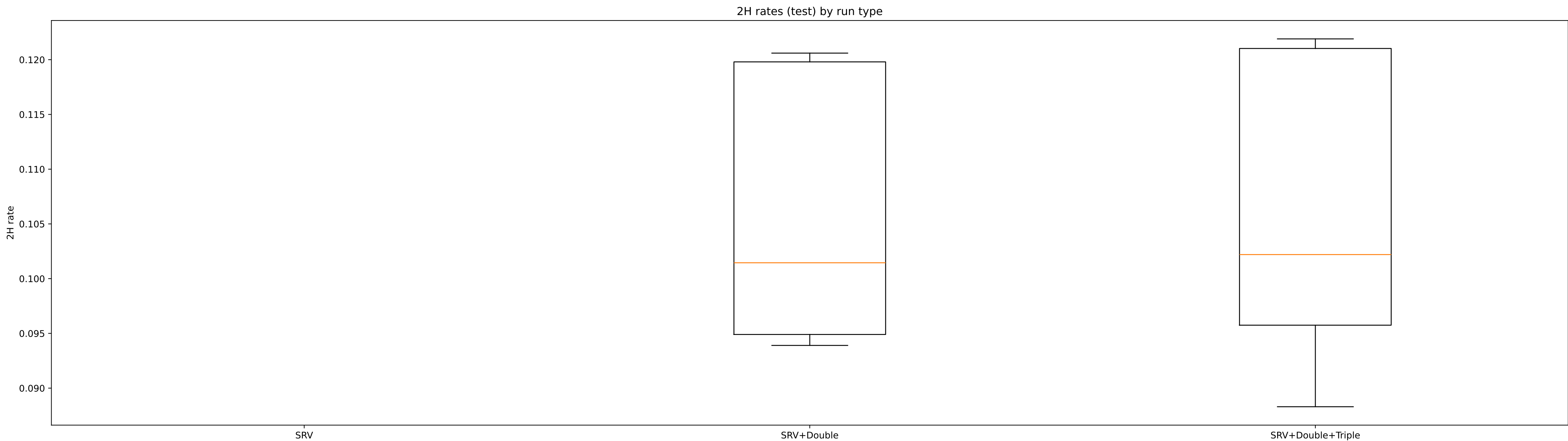
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.2692	0.234	1.0	0.74	0.7	36.92	0.2282	0.3008	10	nan	nan
0.3631	0.2841	0.4009	0.75	0.72	0.76	0.2282	0.3008	10	0.0	0.1015
0.2686	0.2576	1.0	0.74	0.74	50.0	0.2282	0.3008	10	0.0	0.1022

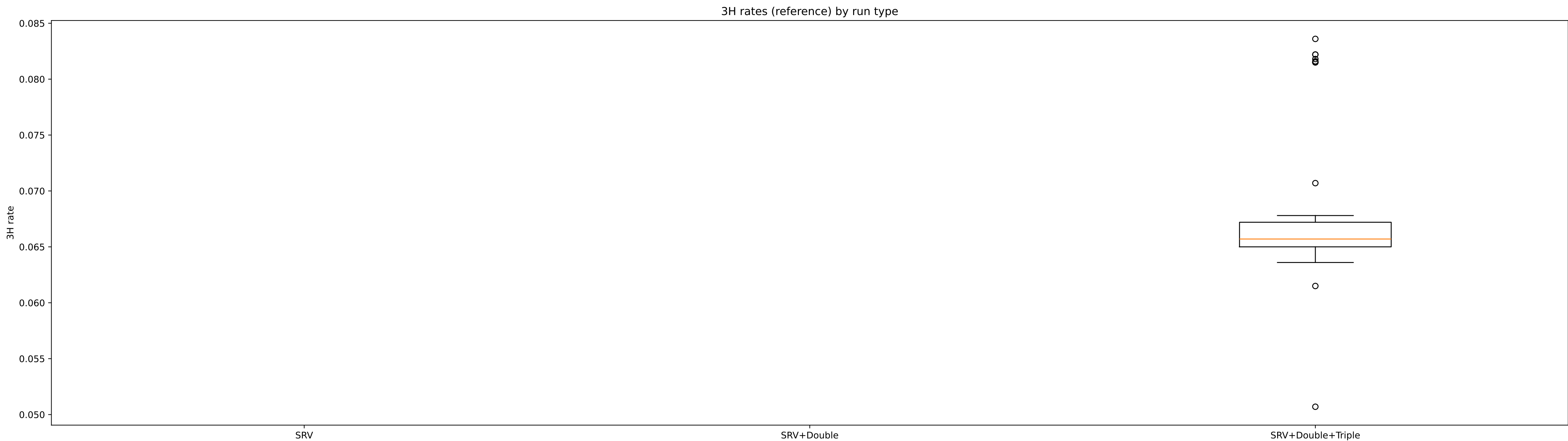


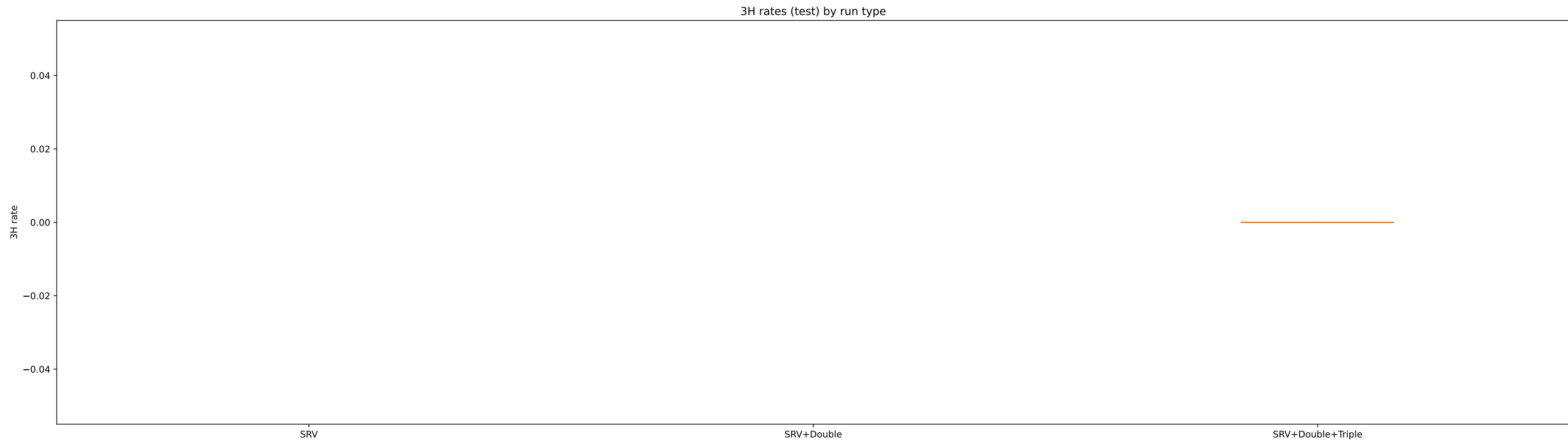


2H rates (reference) by run type









	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2609	0.7	0.2282	0.3008	
	2	0.248	0.72	0.2282	0.3008	
	3	0.3302	0.74	0.2282	0.3008	
	4	0.2417	0.73	0.2282	0.3008	
	5	1.0	36.92	0.2282	0.3008	
	6	0.288	0.76	0.2282	0.3008	
	7	0.2453	0.74	0.2283	0.3011	
	8	0.2774	0.75	0.2283	0.3011	
	9	0.3431	0.74	0.2282	0.3008	
	10	0.234	0.74	0.2282	0.3008	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3636	0.76	0.2282	0.3008	
	2	0.3627	0.74	0.2282	0.3008	
	3	0.3596	0.74	0.2282	0.3008	
	4	0.3909	0.76	0.2282	0.3008	
	5	0.3617	0.75	0.2282	0.3008	
	6	0.3667	0.75	0.2282	0.3008	
	7	0.369	0.75	0.2282	0.3008	
	8	0.3582	0.74	0.2282	0.3008	
	9	0.4009	0.76	0.2282	0.3008	
	10	0.2841	0.72	0.2283	0.3011	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2675	0.74	0.2282	0.3008	
	2	0.267	0.74	0.2282	0.3008	
	3	0.2642	0.74	0.2282	0.3008	
	4	0.2669	0.74	0.2282	0.3008	
	5	1.0	40.81	0.2282	0.3008	
	6	0.2696	0.74	0.2282	0.3008	
	7	0.2576	0.74	0.2282	0.3008	
	8	0.2699	0.74	0.2282	0.3008	
	9	0.3729	0.76	0.2282	0.3008	
	10	0.2981	50.0	0.2283	0.3011	

	test	Negative s election	0.007	9.185	SRV+Double	
	test	Negative s election	0.179	83.023	SRV+Double	
	test	Neutral evolution	1.0	7.792	SRV+Double	
	test	Neutral evolution	1.0	7.792	SRV+Double	
	reference	Diversifying selection	Ω-class distributions (all) (cols 1-7/7)	0.0	SRV+Double	
	reference	Negative s election		40.802	SRV+Double	
	reference	Negative s election		59.198	SRV+Double	
	test	Diversifying selection		0.0	SRV+Double	
	test	Negative s election		40.802	SRV+Double	
	test	Negative s election		59.198	SRV+Double	
	reference	Negative s election		26.818	SRV+Double	
	reference	Negative s election		67.101	SRV+Double	
	reference	Neutral evolution		6.081	SRV+Double	
	test	Negative s election		26.818	SRV+Double	
	test	Negative s election	0.347	67.101	SRV+Double	
	test	Negative s election	0.013	26.818	SRV+Double	
	test	Negative s election	0.242	67.101	SRV+Double	
	test	Neutral evolution	1.0	6.081	SRV+Double	
	test	Neutral evolution	1.0	6.081	SRV+Double	
	reference	Diversifying selection	1.077	0.0	SRV+Double	
	reference	Negative s election	0.0	42.71	SRV+Double	
	reference	Negative s election	0.405	57.29	SRV+Double	
	test	Diversifying selection	1.077	0.0	SRV+Double	
	test	Negative s election	0.0	42.71	SRV+Double	
	test	Negative s election	0.405	57.29	SRV+Double	
	reference	Negative s election	0.007	22.448	SRV+Double	
	reference	Negative s election	0.225	71.061	SRV+Double	
	reference	Neutral evolution	1.0	6.492	SRV+Double	
	test	Negative s election	0.026	22.448	SRV+Double	
	test	Negative s election	0.329	71.061	SRV+Double	
	test	Negative s election	0.007	22.448	SRV+Double	
	test	Negative s election	0.225	71.061	SRV+Double	
	test	Neutral evolution	1.0	6.492	SRV+Double	
	test	Neutral evolution	1.0	6.492	SRV+Double	
	reference	Diversifying selection	1.075	0.0	SRV+Double	
	reference	Negative s election	0.0	40.673	SRV+Double	
	reference	Negative s election	0.39	59.327	SRV+Double	
	test	Diversifying selection	1.075	0.0	SRV+Double	
	test	Negative s election	0.0	40.673	SRV+Double	
	test	Negative s election	0.39	59.327	SRV+Double	
	reference	Negative s election	0.013	23.818	SRV+Double	
	reference	Negative s election	0.227	69.659	SRV+Double	
	reference	Neutral evolution	1.0	6.523	SRV+Double	
	test	Negative s election	0.038	23.818	SRV+Double	
	test	Negative s election	0.33	69.659	SRV+Double	
	test	Negative s election	0.013	23.818	SRV+Double	
	test	Negative s election	0.227	69.659	SRV+Double	
	test	Neutral evolution	1.0	6.523	SRV+Double	
	test	Neutral evolution	1.0	6.523	SRV+Double	
	reference	Diversifying selection	1.079	0.0	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	10.085	SRV	
	2	0.941	78.566	SRV	
	3	2.297	11.35	SRV	
	1	0.0	10.095	SRV	
	2	0.941	78.467	SRV	
	3	2.289	11.438	SRV	
	1	0.0	10.121	SRV	
	2	0.943	78.789	SRV	
	3	2.317	11.089	SRV	
	1	0.0	10.091	SRV	
	2	0.94	78.331	SRV	
	3	2.277	11.577	SRV	
	1	0.0	10.116	SRV	
	2	0.942	78.569	SRV	
	3	2.298	11.315	SRV	
	1	0.0	10.126	SRV	
	2	0.944	78.745	SRV	
	3	2.31	11.129	SRV	
	1	0.0	10.106	SRV	
	2	0.941	78.524	SRV	
	3	2.293	11.369	SRV	
	1	0.0	10.136	SRV	
	2	0.943	78.665	SRV	
	3	2.302	11.199	SRV	
	1	0.0	10.113	SRV	
	2	0.943	78.76	SRV	
	3	2.314	11.126	SRV	
	1	0.0	10.096	SRV	
	2	0.94	78.358	SRV	
	3	2.28	11.545	SRV	

	reference	3H	0.0643	SRV+Double+Triple	
	test	2H	0.121	SRV+Double+Triple	
	test	2H	0.1022	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0822	SRV+Double+Triple	
	reference	3H	0.067	SRV+Double+Triple	
	test	2H	0.0955	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0651	SRV+Double+Triple	
	reference	3H	0.0642	SRV+Double+Triple	
	test	2H	0.1211	SRV+Double+Triple	
	test	2H	0.1021	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0818	SRV+Double+Triple	
	reference	3H	0.0669	SRV+Double+Triple	
	test	2H	0.0955	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0652	SRV+Double+Triple	
	reference	3H	0.0641	SRV+Double+Triple	
	test	2H	0.1213	SRV+Double+Triple	
	test	2H	0.1022	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0707	SRV+Double+Triple	
	reference	3H	0.067	SRV+Double+Triple	
	test	2H	0.0954	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0652	SRV+Double+Triple	
	reference	3H	0.0643	SRV+Double+Triple	
	test	2H	0.1211	SRV+Double+Triple	
	test	2H	0.1022	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0615	SRV+Double+Triple	
	reference	3H	0.0507	SRV+Double+Triple	
	test	2H	0.0883	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0654	SRV+Double+Triple	
	reference	3H	0.0668	SRV+Double+Triple	
	reference	3H	0.0636	SRV+Double+Triple	
	test	2H	0.1211	SRV+Double+Triple	
	test	2H	0.0958	SRV+Double+Triple	
	test	2H	0.121	SRV+Double+Triple	