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
0.5527	0.4917	0.5933	1.45	1.18	1.61	0.2851	0.2372	10	nan	nan
0.5688	0.5084	0.7048	1.21	1.18	1.61	0.2851	0.2372	10	0.0	0.0
0.5681	0.4172	0.58	1.15	1.14	1.55	0.2851	0.2372	10	0.0	0.0

K (alternative) by run type
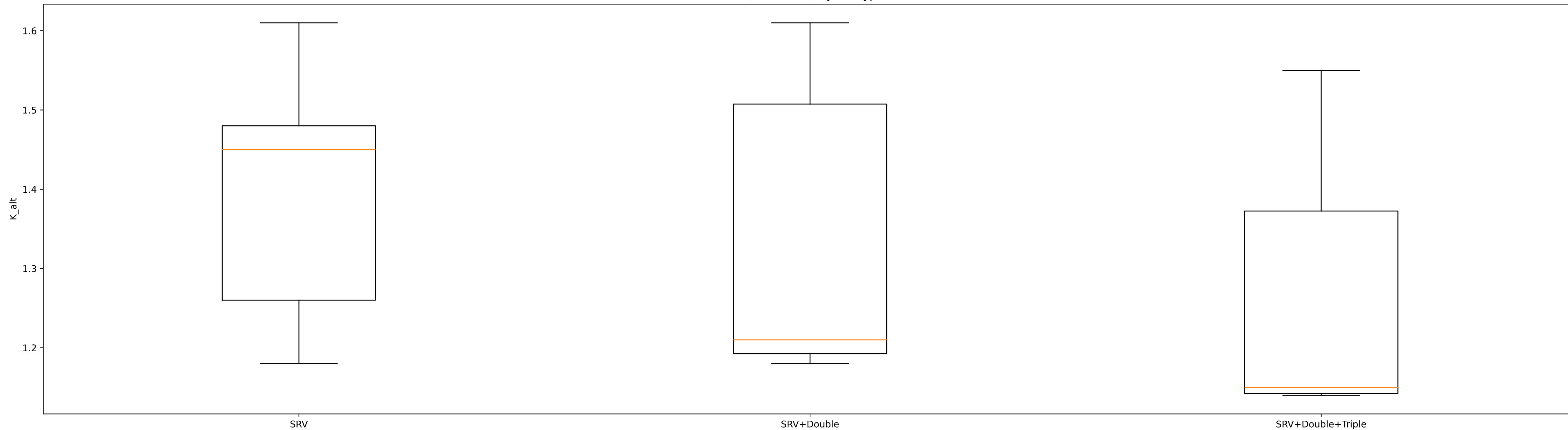
RELAX LRT p-values by run type

2H rates (reference) by run type

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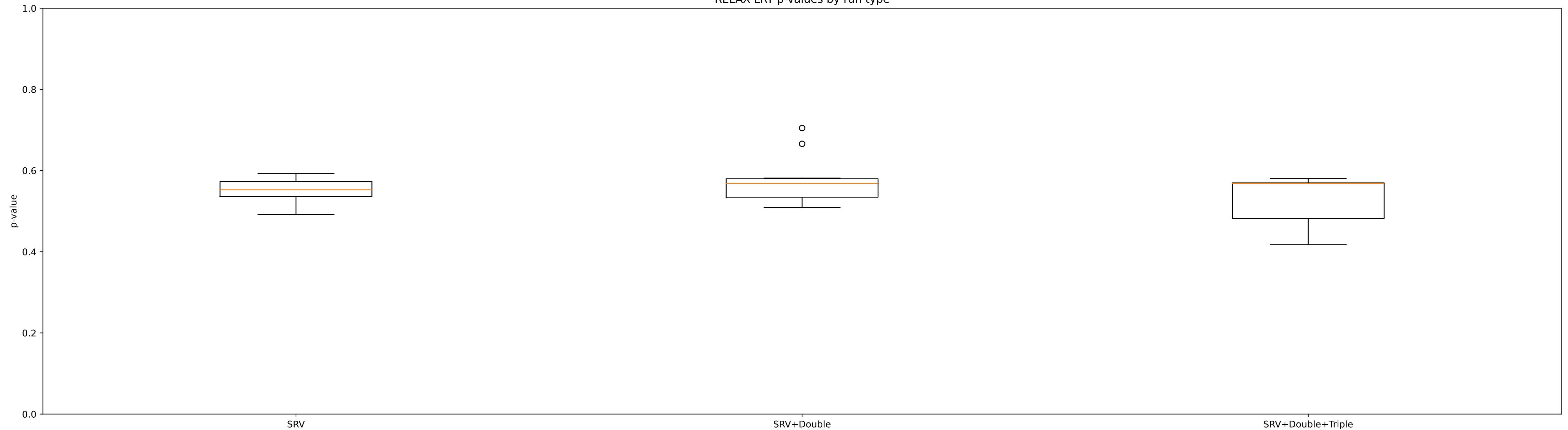
2H rates (test) by run type

3H rates (reference) by run type

	SRV	SRV+Double	SRV+Double+Triple
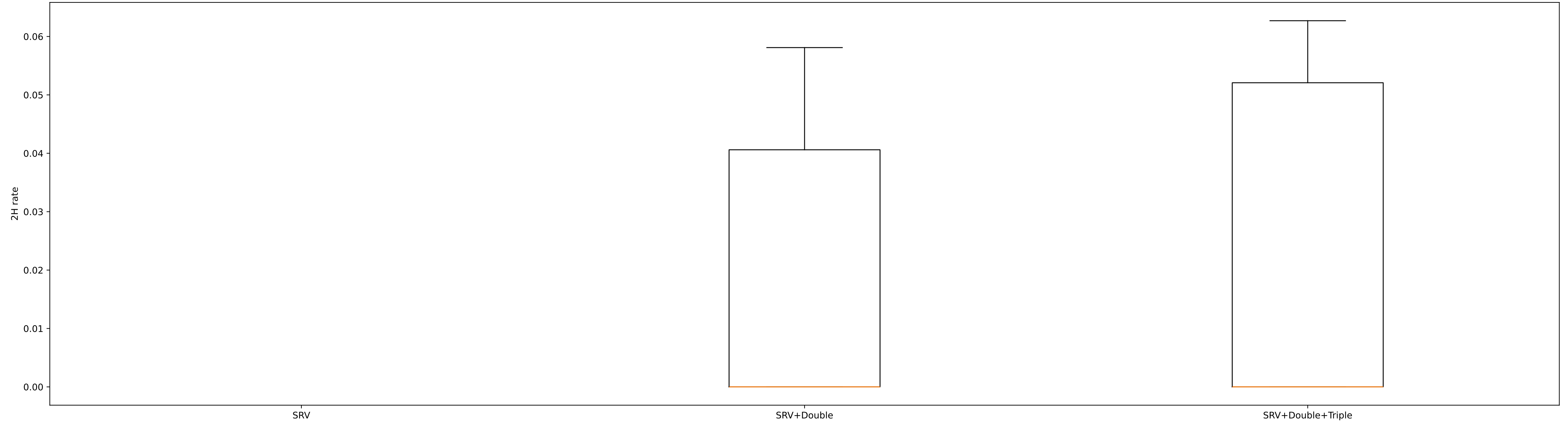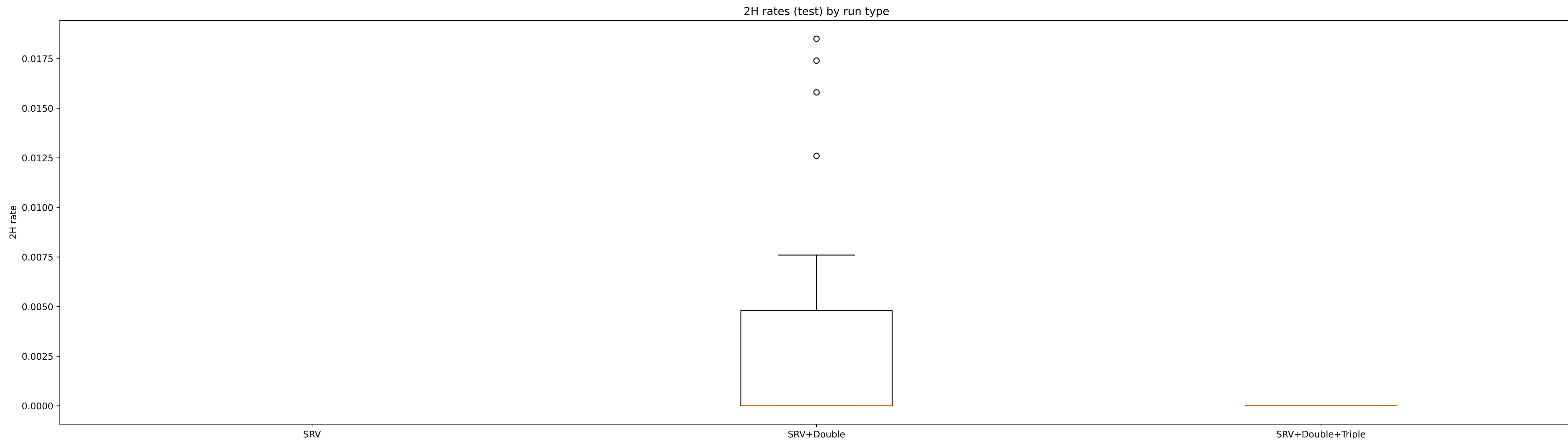
3H rates (test) by run type
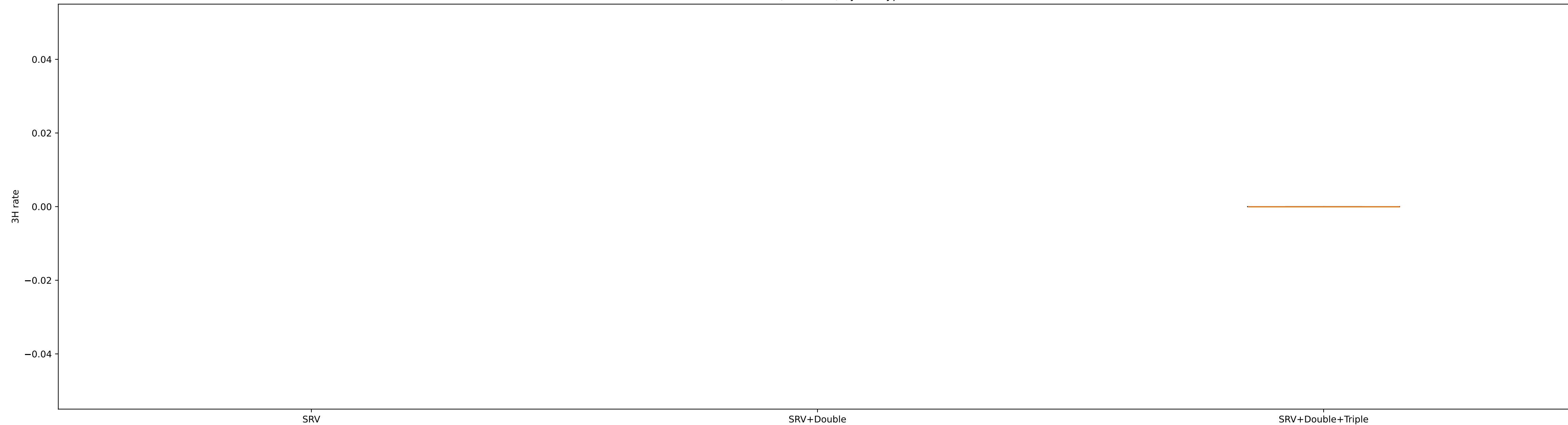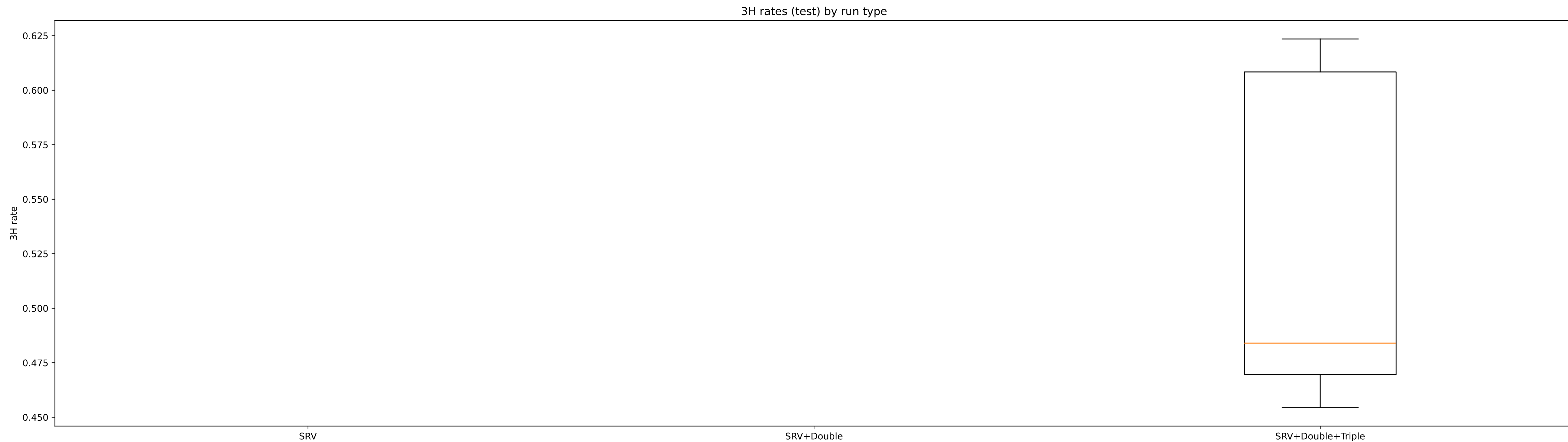
replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.5296	1.54	0.2851	0.2372	
2	0.5739	1.45	0.2851	0.2372	
3	0.5933	1.38	0.2851	0.2372	
4	0.548	1.45	0.2851	0.2372	
5	0.5396	1.48	0.2852	0.2373	
6	0.57	1.18	0.2851	0.2372	
7	0.4917	1.61	0.2851	0.2372	
8	0.5574	1.18	0.2851	0.2372	
9	0.5865	1.22	0.2851	0.2372	
10	0.5356	1.48	0.2851	0.2372	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.5084	1.6	0.2851	0.2372	
	2	0.5704	1.2	0.2851	0.2372	
	3	0.5257	1.61	0.2851	0.2372	
	4	0.6659	1.18	0.2851	0.2372	
	5	0.7048	1.26	0.2851	0.2372	
	6	0.5671	1.19	0.2851	0.2372	
	7	0.5814	1.2	0.2851	0.2372	
	8	0.561	1.19	0.2851	0.2372	
	9	0.5119	1.59	0.2851	0.2372	
	10	0.5749	1.22	0.2851	0.2372	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.4172	1.55	0.2851	0.2372	
	2	0.575	1.15	0.2851	0.2372	
	3	0.5695	1.14	0.2851	0.2372	
	4	0.5686	1.15	0.2851	0.2372	
	5	0.4529	1.49	0.2851	0.2372	
	6	0.5677	1.15	0.2851	0.2372	
	7	0.58	1.14	0.2851	0.2372	
	8	0.56	1.17	0.2851	0.2372	
	9	0.5696	1.14	0.2851	0.2372	
	10	0.456	1.44	0.2851	0.2372	

test	Negative selection	0.0	6.104	SRV+Double
test	Negative selection	0.069	69.48	SRV+Double
test	Neutral evolution	1.0	24.416	SRV+Double
test	Neutral evolution	1.0	24.416	SRV+Double
reference	Negative selection	0.0	1.554	SRV+Double
reference	Negative selection	0.045	72.903	SRV+Double
reference	Neutral evolution	1.0	25.542	SRV+Double
test	Negative selection	0.0	1.554	SRV+Double
test	Negative selection	0.045	72.903	SRV+Double
test	Neutral evolution	1.0	25.542	SRV+Double
reference	Negative selection	0.0	49.263	SRV+Double
reference	Negative selection	0.263	29.514	SRV+Double
reference	Neutral evolution	1.0	21.223	SRV+Double
test	Negative selection	0.0	49.263	SRV+Double
test	Negative selection	0.187	29.514	SRV+Double
test	Negative selection	0.0	49.263	SRV+Double
test	Negative selection	0.263	29.514	SRV+Double
test	Neutral evolution	1.0	21.223	SRV+Double
test	Neutral evolution	1.0	21.223	SRV+Double
reference	Diversifying selection	1.007	22.558	SRV+Double
reference	Negative selection	0.0	50.565	SRV+Double
reference	Negative selection	0.216	26.877	SRV+Double
test	Diversifying selection	1.007	22.558	SRV+Double
test	Negative selection	0.0	50.565	SRV+Double
test	Negative selection	0.216	26.877	SRV+Double
reference	Negative selection	0.0	13.788	SRV+Double
reference	Negative selection	0.074	61.567	SRV+Double
reference	Neutral evolution	1.0	24.645	SRV+Double
test	Negative selection	0.0	13.788	SRV+Double
test	Negative selection	0.045	61.567	SRV+Double
test	Negative selection	0.0	13.788	SRV+Double
test	Negative selection	0.074	61.567	SRV+Double
test	Neutral evolution	1.0	24.645	SRV+Double
test	Neutral evolution	1.0	24.645	SRV+Double
reference	Negative selection	0.0	13.969	SRV+Double
reference	Negative selection	0.062	61.196	SRV+Double
reference	Neutral evolution	1.0	24.835	SRV+Double
test	Negative selection	0.0	13.969	SRV+Double
test	Negative selection	0.062	61.196	SRV+Double
test	Neutral evolution	1.0	24.835	SRV+Double
reference	Negative selection	0.0	25.92	SRV+Double
reference	Negative selection	0.104	50.147	SRV+Double
reference	Neutral evolution	1.0	23.933	SRV+Double
test	Negative selection	0.0	25.92	SRV+Double
test	Negative selection	0.066	50.147	SRV+Double
test	Negative selection	0.0	25.92	SRV+Double
test	Negative selection	0.104	50.147	SRV+Double
test	Neutral evolution	1.0	23.933	SRV+Double
test	Neutral evolution	1.0	23.933	SRV+Double
reference	Negative selection	0.0	24.374	SRV+Double

class_id	syn_rate	proportion_percent	run_type
1	0.0	3.053	SRV
2	0.827	89.919	SRV
3	3.654	7.027	SRV
1	0.0	3.031	SRV
2	0.827	89.977	SRV
3	3.666	6.993	SRV
1	0.772	90.211	SRV
2	1.033	1.036	SRV
3	3.344	8.752	SRV
1	0.771	89.414	SRV
2	0.976	1.804	SRV
3	3.34	8.782	SRV
1	0.759	83.631	SRV
2	0.957	7.722	SRV
3	3.365	8.647	SRV
1	0.763	82.684	SRV
2	0.882	8.325	SRV
3	3.293	8.99	SRV
1	0.772	90.981	SRV
2	2.507	0.795	SRV
3	3.376	8.224	SRV
1	0.76	81.502	SRV
2	0.892	9.489	SRV
3	3.286	9.009	SRV
1	0.739	66.717	SRV
2	0.879	24.494	SRV
3	3.321	8.789	SRV
1	0.758	83.202	SRV
2	0.981	8.222	SRV
3	3.371	8.576	SRV

test	2H	0.0	SRV+Double
test	2H	0.0174	SRV+Double
reference	2H	0.0544	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	0.5578	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	0.4605	SRV+Double+Triple
test	3H	0.6225	SRV+Double+Triple
reference	2H	0.052	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	0.4852	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	0.4695	SRV+Double+Triple
test	3H	0.6226	SRV+Double+Triple
reference	2H	0.0627	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	0.4828	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	0.4682	SRV+Double+Triple
test	3H	0.6086	SRV+Double+Triple
reference	2H	0.0557	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	0.4797	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	0.467	SRV+Double+Triple
test	3H	0.6003	SRV+Double+Triple
reference	2H	0.0561	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	0.5138	SRV+Double+Triple
reference	2H	0.0	SRV+Double+Triple
reference	3H	0.0	SRV+Double+Triple