

RELAX Combined Report

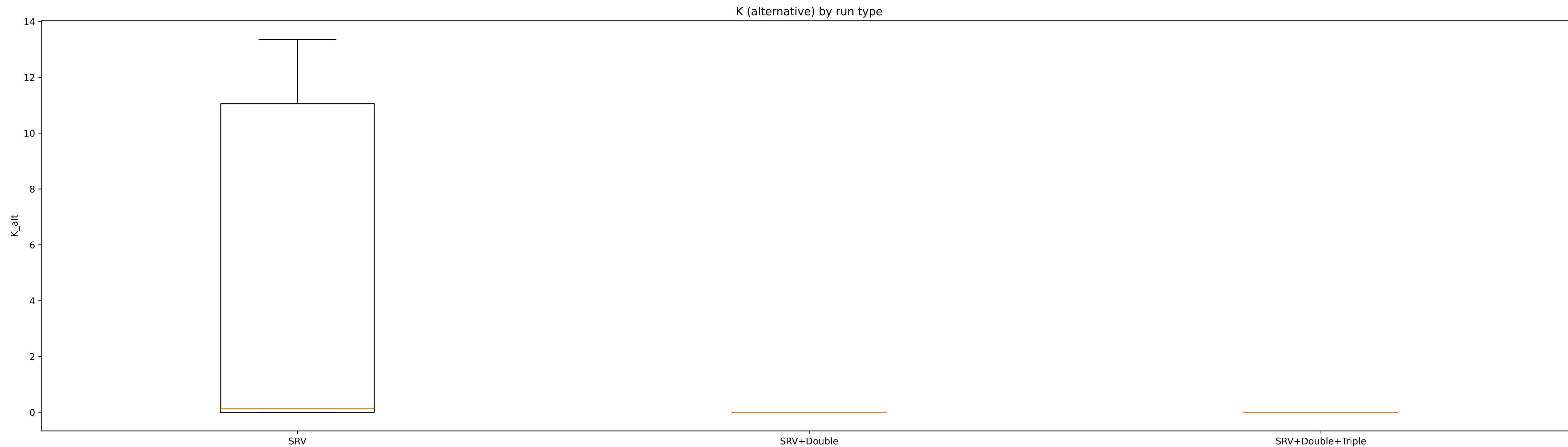
SRV vs SRV+Double vs SRV+Double+Triple

Includes:

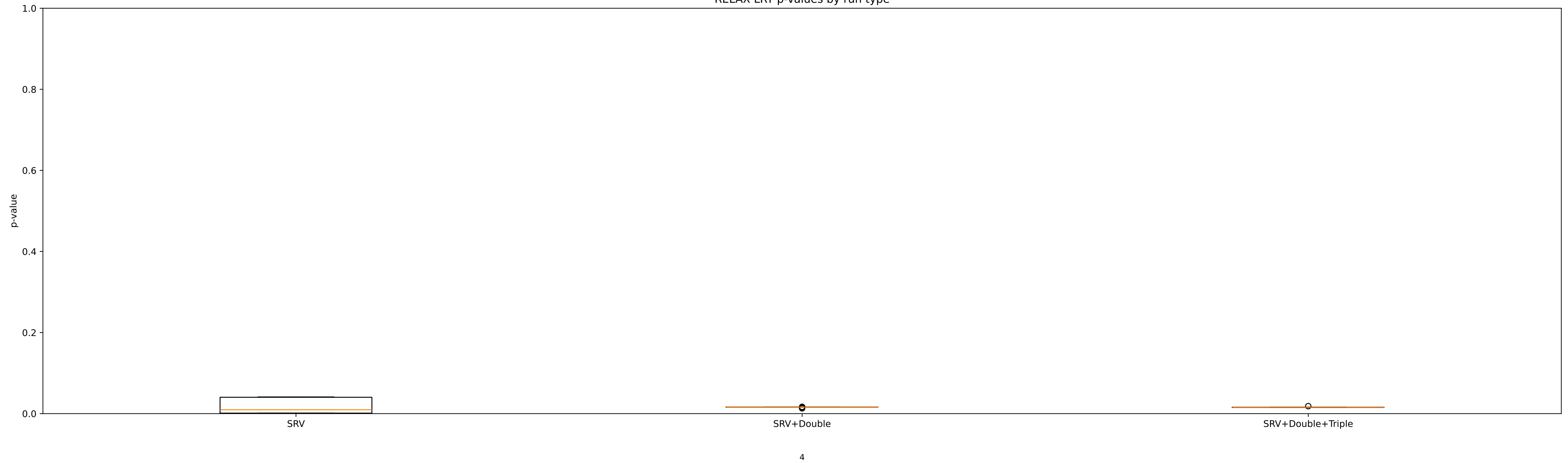
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

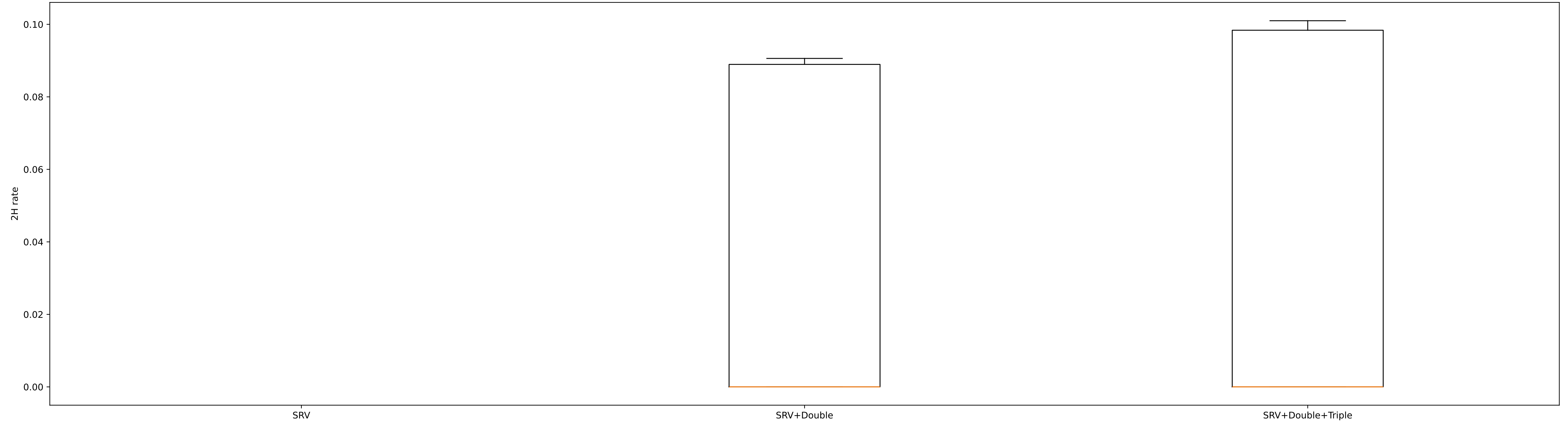
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.0096	0.0012	0.0411	0.13	0.0	13.36	0.208	1.1888	8	nan	nan
0.0163	0.013	0.0167	0.0	0.0	0.0	0.208	1.1888	9	0.0	0.2501
0.0155	0.0155	0.0184	0.0	0.0	0.0	0.208	1.1888	9	0.0	0.25

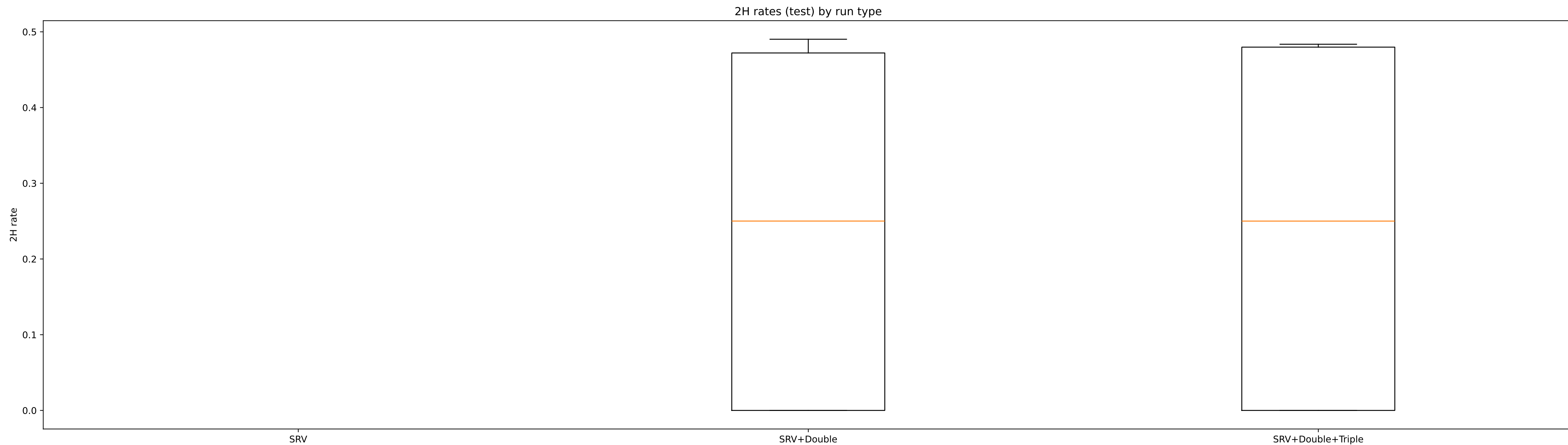


RELAX LRT p-values by run type

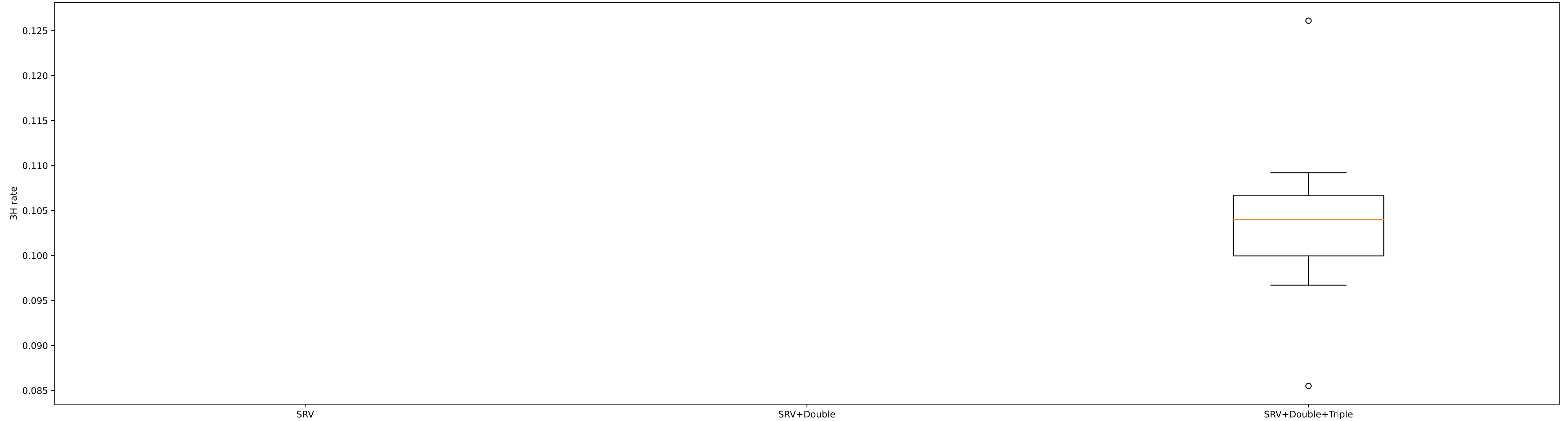


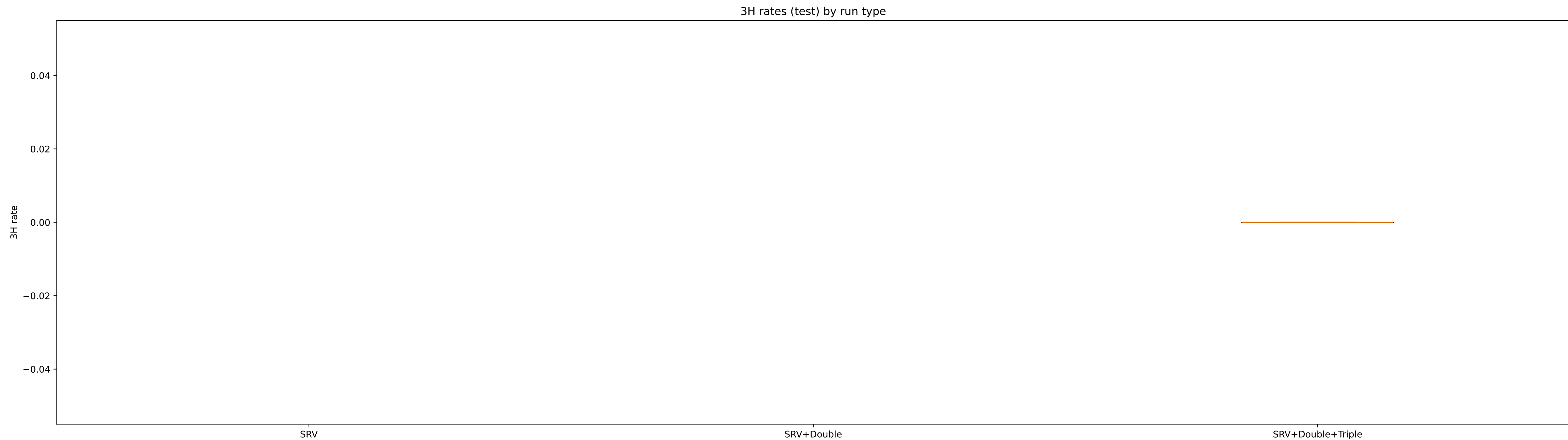
2H rates (reference) by run type





3H rates (reference) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0012	10.9	0.208	1.1888	
	2	0.0012	11.11	0.208	1.1888	
	3	0.0411	0.0	0.208	1.1888	
	4	0.0094	0.0	0.208	1.1888	
	5	0.0407	0.0	0.208	1.1888	
	6	0.0406	0.0	0.208	1.1888	
	7	0.0395	0.26	0.208	1.1888	
	8	0.0012	13.36	0.208	1.1888	
	9	0.0097	0.0	0.208	1.1888	
	10	0.0012	11.17	0.208	1.1888	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0163	0.0	0.208	1.1888	
	2	0.0162	0.0	0.208	1.1888	
	3	0.0162	0.0	0.208	1.1888	
	4	0.0155	0.0	0.208	1.1888	
	5	0.0163	0.0	0.208	1.1888	
	6	0.0163	0.0	0.208	1.1888	
	7	0.0163	0.0	0.208	1.1888	
	8	0.013	0.0	0.208	1.1888	
	9	0.0165	0.0	0.208	1.1888	
	10	0.0167	0.0	0.208	1.1888	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0155	0.0	0.208	1.1888	
	2	0.0184	0.0	0.208	1.1888	
	3	0.0155	0.0	0.2081	1.1936	
	4	0.0155	0.0	0.2081	1.1895	
	5	0.0155	0.0	0.208	1.1888	
	6	0.0155	0.0	0.208	1.1888	
	7	0.0156	0.0	0.208	1.1856	
	8	0.0156	0.0	0.208	1.1888	
	9	0.0155	0.0	0.208	1.1888	
	10	0.0155	0.0	0.208	1.1888	

	test	Neutral evolution	1.0	86.528	SRV+Double	
	test	Neutral evolution	1.0	13.462	SRV+Double	
	test	Neutral evolution	1.0	0.01	SRV+Double	
	reference	Diversifying selection	278.586	0.01	SRV+Double	
	reference	Negative selection	Ω-class distributions (all) (cols 1-7/7)	83.453	SRV+Double	
	reference	Negative selection		16.537	SRV+Double	
	test	Diversifying selection		0.01	SRV+Double	
	test	Negative selection		83.453	SRV+Double	
	test	Negative selection		16.537	SRV+Double	
	reference	Negative selection		28.363	SRV+Double	
	reference	Negative selection		66.037	SRV+Double	
	reference	Neutral evolution		5.6	SRV+Double	
	test	Negative selection		28.363	SRV+Double	
	test	Negative selection		66.037	SRV+Double	
	test	Neutral evolution	1.0	66.037	SRV+Double	
	test	Neutral evolution	1.0	28.363	SRV+Double	
	test	Neutral evolution	1.0	5.6	SRV+Double	
	test	Neutral evolution	1.0	5.6	SRV+Double	
	reference	Negative selection	0.108	32.082	SRV+Double	
	reference	Negative selection	0.181	61.339	SRV+Double	
	reference	Neutral evolution	1.0	6.578	SRV+Double	
	test	Negative selection	0.108	32.082	SRV+Double	
	test	Negative selection	0.181	61.339	SRV+Double	
	test	Neutral evolution	1.0	6.578	SRV+Double	
	reference	Negative selection	0.0	13.152	SRV+Double	
	reference	Negative selection	0.185	82.068	SRV+Double	
	reference	Neutral evolution	1.0	4.78	SRV+Double	
	test	Negative selection	0.0	13.152	SRV+Double	
	test	Negative selection	0.185	82.068	SRV+Double	
	test	Neutral evolution	1.0	82.068	SRV+Double	
	test	Neutral evolution	1.0	13.152	SRV+Double	
	test	Neutral evolution	1.0	4.78	SRV+Double	
	test	Neutral evolution	1.0	4.78	SRV+Double	
	reference	Negative selection	0.0	17.027	SRV+Double	
	reference	Negative selection	0.198	77.182	SRV+Double	
	reference	Neutral evolution	1.0	5.791	SRV+Double	
	test	Negative selection	0.0	17.027	SRV+Double	
	test	Negative selection	0.198	77.182	SRV+Double	
	test	Neutral evolution	1.0	5.791	SRV+Double	
	reference	Negative selection	0.0	22.961	SRV+Double	
	reference	Negative selection	0.219	73.159	SRV+Double	
	reference	Neutral evolution	1.0	3.88	SRV+Double	
	test	Negative selection	0.0	22.961	SRV+Double	
	test	Negative selection	0.219	73.159	SRV+Double	
	test	Neutral evolution	1.0	73.159	SRV+Double	
	test	Neutral evolution	1.0	22.961	SRV+Double	
	test	Neutral evolution	1.0	3.88	SRV+Double	
	test	Neutral evolution	1.0	3.88	SRV+Double	
	reference	Negative selection	12 0.0	28.33	SRV+Double	
	reference	Negative selection	0.245	67.01	SRV+Double	

	2	0.57	22.12	SRV	
	3	2.154	27.55	SRV	
	1	0.382	5.624	SRV	
	2	0.521	60.713	SRV	
	3	1.967	33.663	SRV	
	1	0.333	6.16	SRV	
	2	0.594	67.072	SRV	
	3	2.171	26.768	SRV	
	1	0.428	46.637	SRV	
	2	0.982	28.993	SRV	
	3	2.116	24.37	SRV	
	1	0.538	42.685	SRV	
	2	0.579	30.283	SRV	
	3	2.202	27.031	SRV	
	1	0.519	43.084	SRV	
	2	0.6	28.096	SRV	
	3	2.109	28.819	SRV	
	1	0.54	29.008	SRV	
	2	0.56	43.574	SRV	
	3	2.186	27.418	SRV	
	1	0.552	61.803	SRV	
	2	0.669	9.686	SRV	
	3	2.083	28.511	SRV	
	1	0.543	31.168	SRV	
	2	0.559	41.434	SRV	
	3	2.187	27.398	SRV	
	1	0.571	43.546	SRV	
	2	0.572	28.39	SRV	
	3	2.099	28.064	SRV	
	1	0.557	45.291	SRV	
	2	0.687	32.492	SRV	
	3	2.36	22.217	SRV	
	1	0.032	20.639	SRV	
	2	1.092	73.123	SRV	
	3	3.127	6.238	SRV	
	1	0.495	51.718	SRV	
	2	0.542	14.562	SRV	
	3	1.972	33.72	SRV	
	1	0.52	11.641	SRV	
	2	0.557	59.559	SRV	
	3	2.11	28.8	SRV	
	1	0.555	28.414	SRV	
	2	0.557	44.67	SRV	
	3	2.205	26.916	SRV	
	1	0.527	50.443	SRV	
	2	0.571	19.45	SRV	
	3	2.07	30.106	SRV	
	1	0.492	53.589	SRV	
	2	0.555	12.233	SRV	
	3	2.186	27.418	SRV	

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

	test	2H	0.2502	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0996	SRV+Double+Triple	
	reference	3H	0.1039	SRV+Double+Triple	
	test	2H	0.4806	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.101	SRV+Double+Triple	
	reference	2H	0.0236	SRV+Double+Triple	
	reference	3H	0.0855	SRV+Double+Triple	
	reference	3H	0.1261	SRV+Double+Triple	
	test	2H	0.2486	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0967	SRV+Double+Triple	
	reference	3H	0.1073	SRV+Double+Triple	
	test	2H	0.479	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0997	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.1092	SRV+Double+Triple	
	test	2H	0.2504	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0993	SRV+Double+Triple	
	reference	3H	0.104	SRV+Double+Triple	
	test	2H	0.4811	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0985	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.107	SRV+Double+Triple	
	reference	3H	0.1061	SRV+Double+Triple	
	test	2H	0.2498	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.1001	SRV+Double+Triple	
	reference	3H	0.103	SRV+Double+Triple	
	test	2H	0.4798	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0983	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.1067	SRV+Double+Triple	
	reference	3H	0.1061	SRV+Double+Triple	
	test	2H	0.2501	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	