

# RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

Includes:

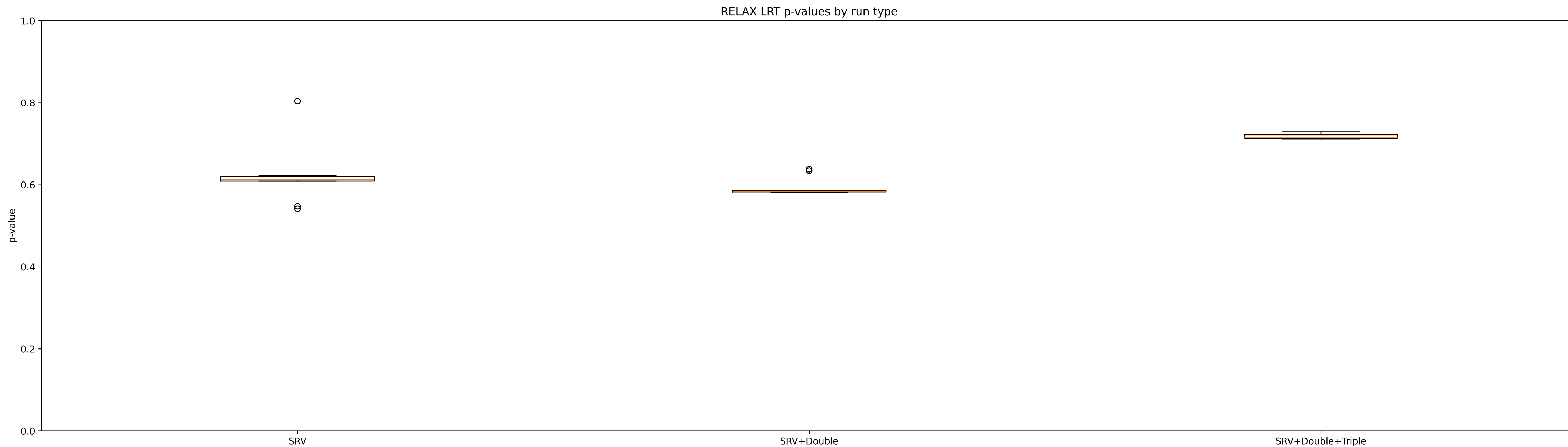
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

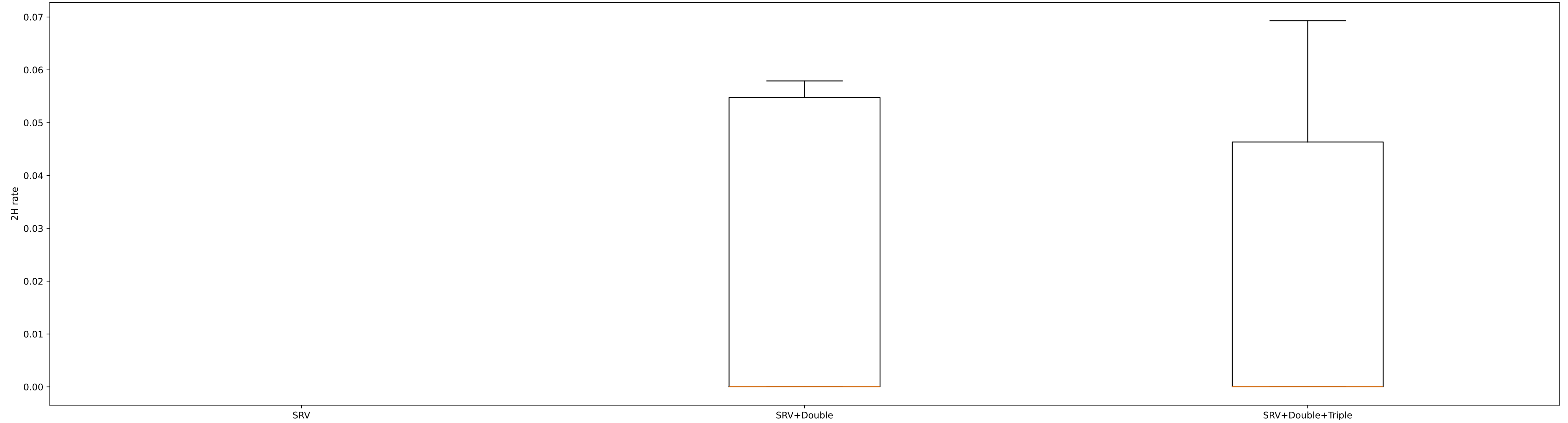
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.6133	0.5417	0.8041	1.11	1.11	1.12	0.2749	0.27	10	nan	nan
0.5841	0.581	0.638	1.1	1.1	1.1	0.2749	0.27	10	0.0	0.0544
0.7164	0.7117	0.7308	1.07	1.06	1.07	0.2749	0.27	10	0.0	0.0315

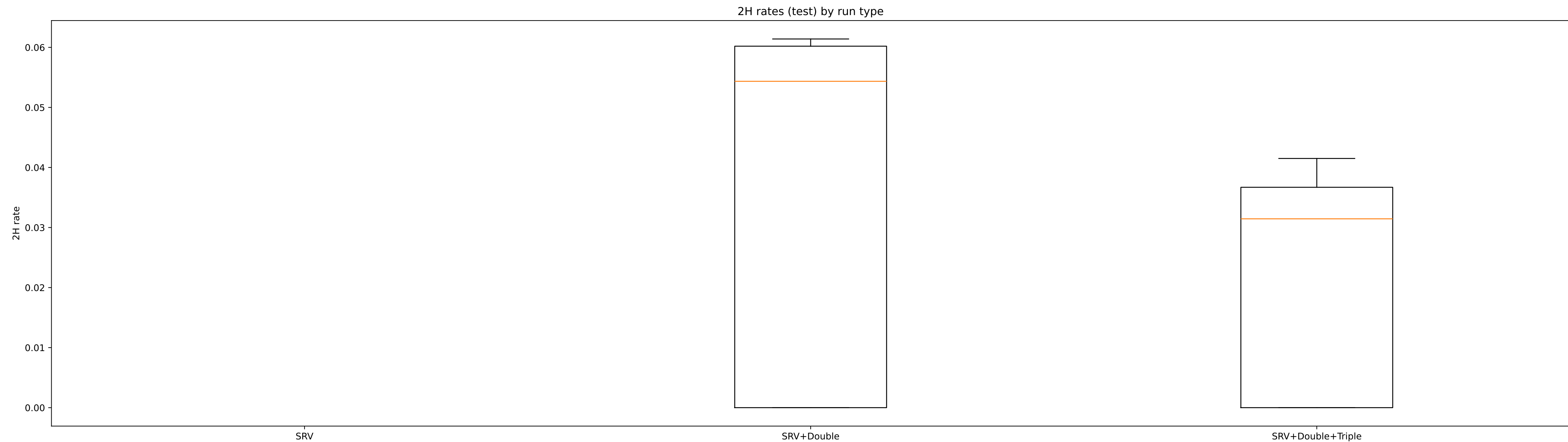
K (alternative) by run type



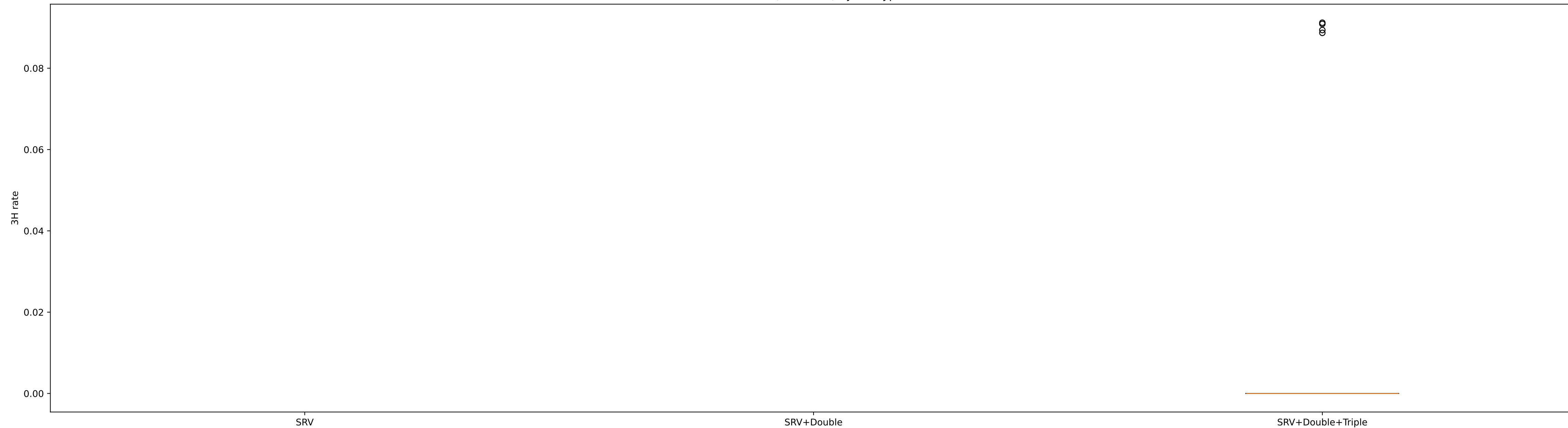


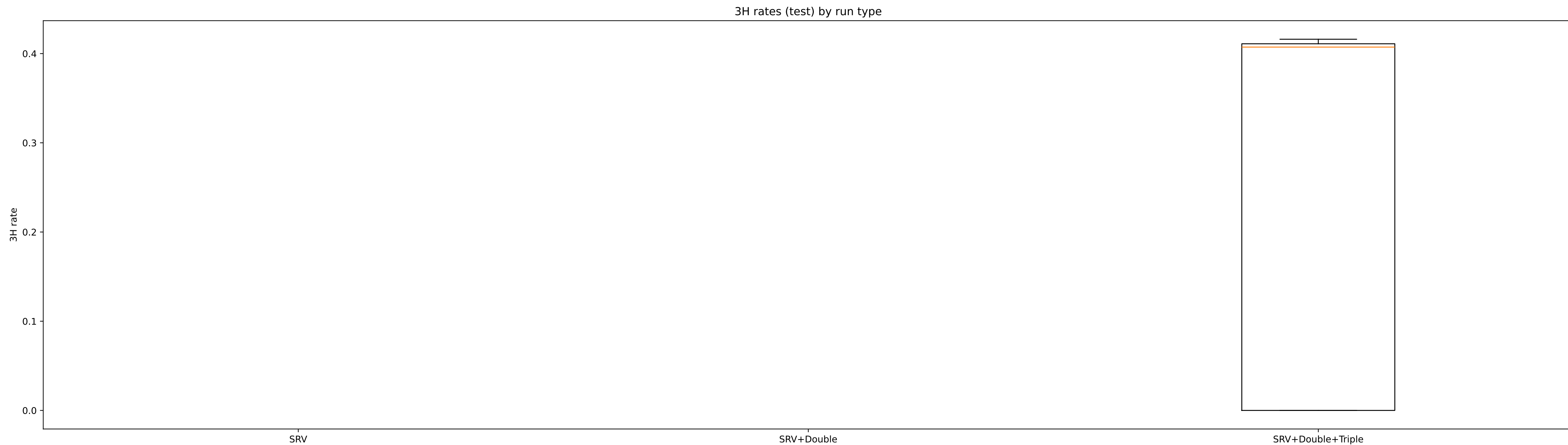
2H rates (reference) by run type





3H rates (reference) by run type







	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.6089	1.12	0.2749	0.27	
	2	0.6137	1.11	0.2749	0.27	
	3	0.613	1.11	0.2749	0.27	
	4	0.5475	1.11	0.2749	0.27	
	5	0.8041	1.11	0.2749	0.27	
	6	0.6224	1.11	0.2749	0.27	
	7	0.6222	1.11	0.2749	0.27	
	8	0.6092	1.11	0.2749	0.27	
	9	0.6135	1.11	0.2749	0.27	
	10	0.5417	1.11	0.2749	0.27	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.582	1.1	0.2749	0.27	
	2	0.5838	1.1	0.2749	0.27	
	3	0.581	1.1	0.2749	0.27	
	4	0.638	1.1	0.2749	0.27	
	5	0.5828	1.1	0.2749	0.27	
	6	0.5845	1.1	0.2749	0.27	
	7	0.6346	1.1	0.2749	0.27	
	8	0.5856	1.1	0.2749	0.27	
	9	0.5828	1.1	0.2749	0.27	
	10	0.5848	1.1	0.2749	0.27	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7236	1.07	0.2749	0.27	
	2	0.7167	1.07	0.2749	0.27	
	3	0.7308	1.07	0.2749	0.27	
	4	0.7298	1.06	0.2749	0.27	
	5	0.713	1.07	0.2749	0.27	
	6	0.7161	1.06	0.2749	0.27	
	7	0.7176	1.07	0.2749	0.27	
	8	0.7128	1.07	0.2749	0.27	
	9	0.7117	1.07	0.2749	0.27	
	10	0.7159	1.07	0.2749	0.27	

	test	Negative s election	0.205	5.729	SRV+Double	
	test	Negative s election	0.224	93.829	SRV+Double	
	test	Negative s election	0.237	5.729	SRV+Double	
	test	Negative s election	0.257	93.829	SRV+Double	
	reference	Diversifyi ng selecti on	Ω-class distributions (all) (cols 1-7/7)		0.35	SRV+Double
	reference	Negative s election			5.181	SRV+Double
	reference	Negative s election	0.252	94.468	SRV+Double	
	test	Diversifyi ng selecti on	6.348	0.35	SRV+Double	
	test	Negative s election	0.246	5.181	SRV+Double	
	test	Negative s election	0.252	94.468	SRV+Double	
	reference	Diversifyi ng selecti on	5.689	0.432	SRV+Double	
	reference	Negative s election	0.231	4.612	SRV+Double	
	reference	Negative s election	0.257	94.957	SRV+Double	
	test	Diversifyi ng selecti on	6.787	0.432	SRV+Double	
	test	Diversifyi ng selecti on	5.689	0.432	SRV+Double	
	test	Negative s election	0.199	4.612	SRV+Double	
	test	Negative s election	0.224	94.957	SRV+Double	
	test	Negative s election	0.231	4.612	SRV+Double	
	test	Negative s election	0.257	94.957	SRV+Double	
	reference	Diversifyi ng selecti on	6.247	0.357	SRV+Double	
	reference	Negative s election	0.238	4.116	SRV+Double	
	reference	Negative s election	0.251	95.527	SRV+Double	
	test	Diversifyi ng selecti on	6.247	0.357	SRV+Double	
	test	Negative s election	0.238	4.116	SRV+Double	
	test	Negative s election	0.251	95.527	SRV+Double	
	reference	Diversifyi ng selecti on	5.495	0.463	SRV+Double	
	reference	Negative s election	0.254	97.187	SRV+Double	
	reference	Negative s election	0.306	2.35	SRV+Double	
	test	Diversifyi ng selecti on	6.54	0.463	SRV+Double	
	test	Diversifyi ng selecti on	5.495	0.463	SRV+Double	
	test	Negative s election	0.221	97.187	SRV+Double	
	test	Negative s election	0.271	2.35	SRV+Double	
	test	Negative s election	0.254	97.187	SRV+Double	
	test	Negative s election	0.306	2.35	SRV+Double	
	reference	Diversifyi ng selecti on	5.905	0.391	SRV+Double	
	reference	Negative s election	0.25	97.523	SRV+Double	
	reference	Negative s election	0.266	2.086	SRV+Double	
	test	Diversifyi ng selecti on	5.905	0.391	SRV+Double	
	test	Negative s election	0.25	97.523	SRV+Double	
	test	Negative s election	0.266	2.086	SRV+Double	
	reference	Diversifyi ng selecti on	5.973	0.414	SRV+Double	
	reference	Negative s election	0.243	3.974	SRV+Double	
	reference	Negative s election	0.257	95.612	SRV+Double	
	test	Diversifyi ng selecti on	7.184	0.414	SRV+Double	
	test	Diversifyi ng selecti on	5.973	0.414	SRV+Double	
	test	Negative s election	0.21	3.974	SRV+Double	
	test	Negative s election	0.223	95.612	SRV+Double	
	test	Negative s election	0.243	3.974	SRV+Double	
	test	Negative s election	12 0.257	95.612	SRV+Double	
	reference	Diversifyi ng selecti on	6.554	0.339	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	9.283	SRV	
	2	0.867	81.074	SRV	
	3	3.084	9.642	SRV	
	1	0.0	9.533	SRV	
	2	0.874	81.18	SRV	
	3	3.127	9.286	SRV	
	1	0.0	9.71	SRV	
	2	0.878	81.099	SRV	
	3	3.136	9.191	SRV	
	1	0.0	9.716	SRV	
	2	0.878	81.125	SRV	
	3	3.144	9.159	SRV	
	1	0.0	10.028	SRV	
	2	0.888	81.375	SRV	
	3	3.224	8.598	SRV	
	1	0.0	9.408	SRV	
	2	0.871	81.173	SRV	
	3	3.11	9.419	SRV	
	1	0.0	9.33	SRV	
	2	0.868	81.113	SRV	
	3	3.093	9.557	SRV	
	1	0.0	9.632	SRV	
	2	0.876	81.127	SRV	
	3	3.131	9.241	SRV	
	1	0.0	9.347	SRV	
	2	0.869	81.116	SRV	
	3	3.094	9.538	SRV	
	1	0.499	50.646	SRV	
	2	1.16	39.671	SRV	
	3	2.966	9.683	SRV	

	reference	3H	0.0894	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0402	SRV+Double+Triple	
	test	3H	0.4138	SRV+Double+Triple	
	reference	2H	Multihit (2H/3H) rates (all) (cols 1-6/6)	SRV+Double+Triple	
	reference	3H		SRV+Double+Triple	
	test	2H		SRV+Double+Triple	
	test	2H		SRV+Double+Triple	
	test	3H		SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0691	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0909	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0355	SRV+Double+Triple	
	test	3H	0.4125	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0313	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.4075	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0693	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0912	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0399	SRV+Double+Triple	
	test	3H	0.4151	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0323	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.4103	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0685	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0887	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0415	SRV+Double+Triple	
	test	3H	0.4161	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.034	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.4125	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0435	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0371	SRV+Double+Triple	