

# RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

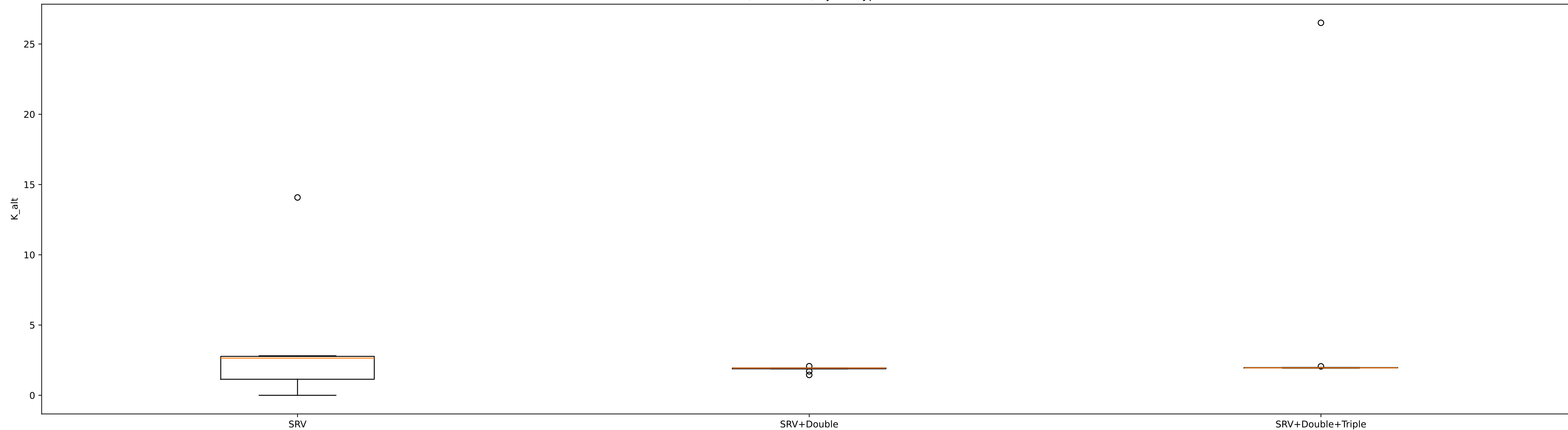
Includes:

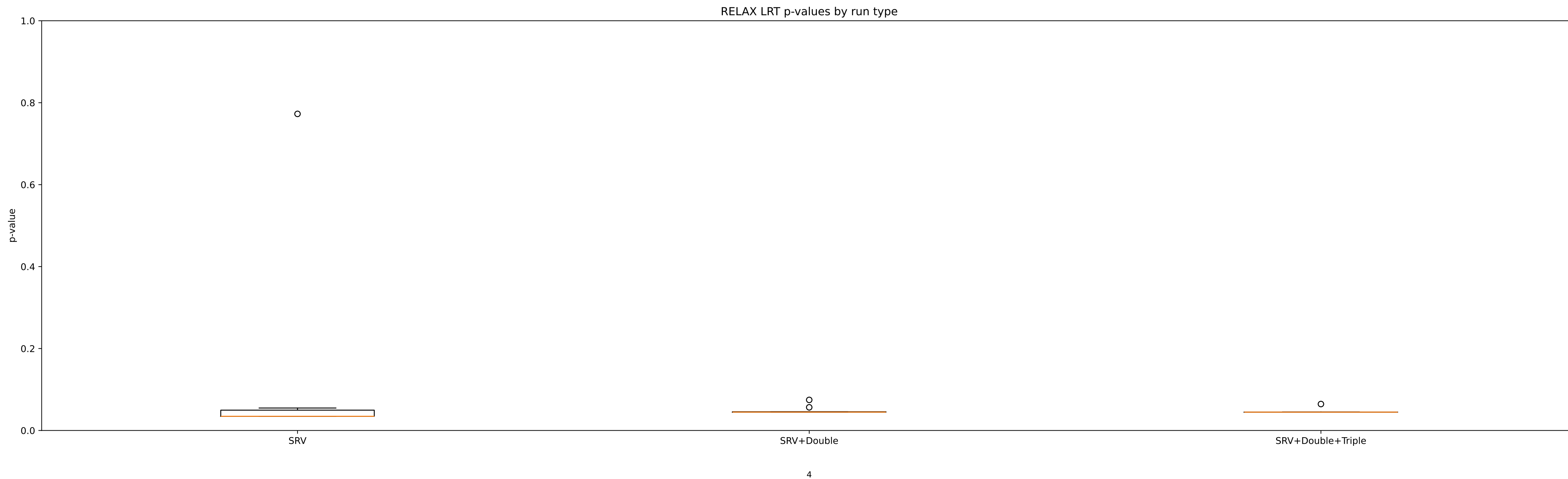
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

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
0.0347	0.0346	0.7727	2.645	0.0	14.08	0.2076	0.0915	10	nan	nan
0.0449	0.0446	0.0746	1.935	1.45	2.07	0.2076	0.0915	10	0.0797	0.0282
0.0448	0.0446	0.0645	1.955	1.93	26.51	0.2076	0.0915	10	0.0762	0.0264

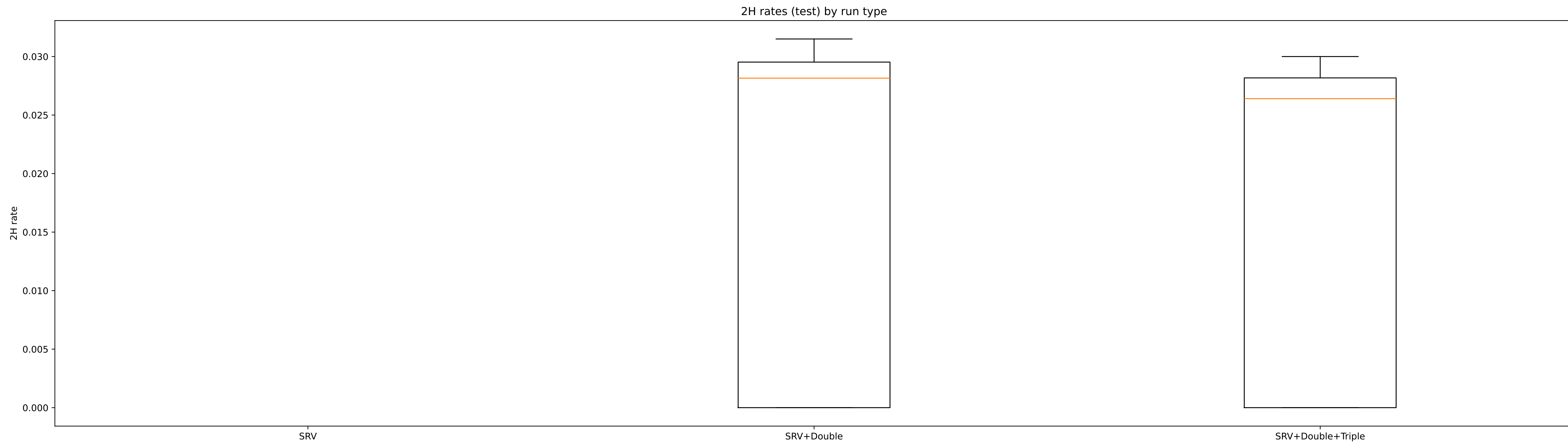
K (alternative) by run type



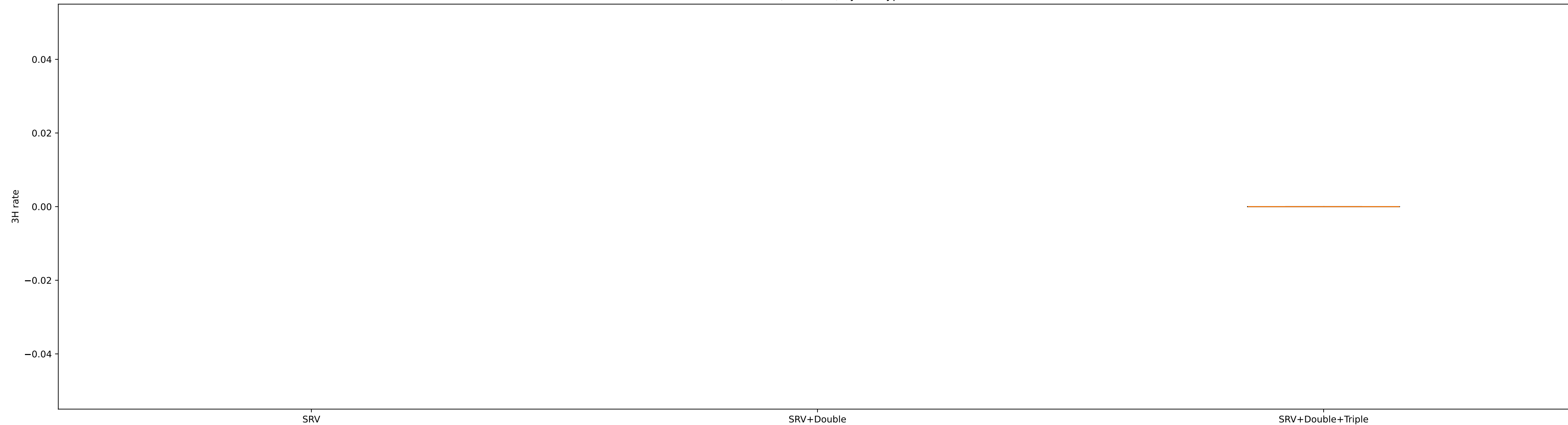


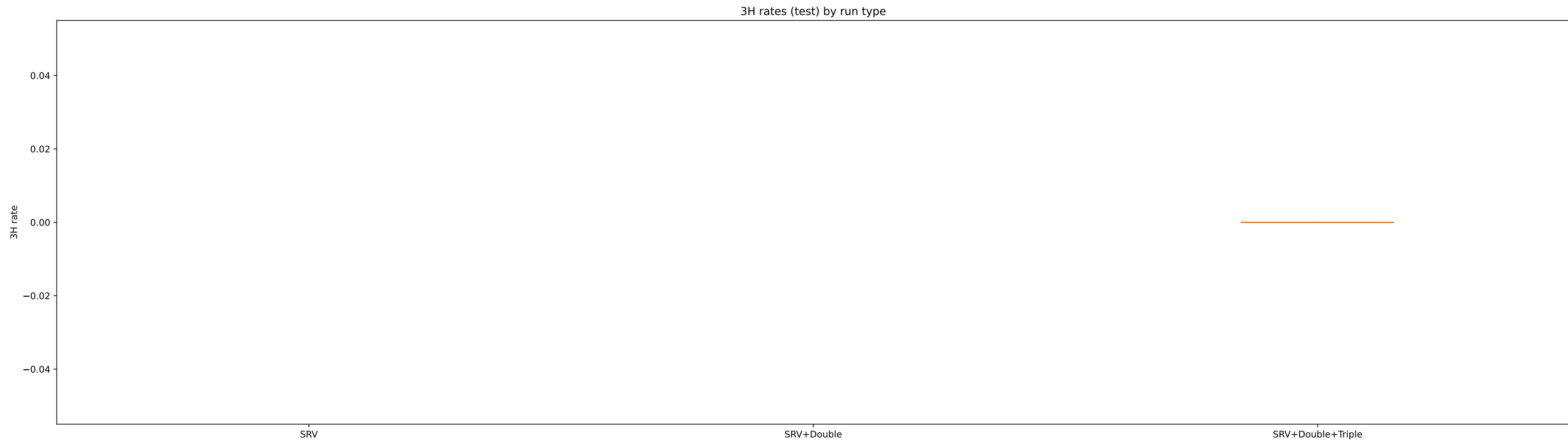
2H rates (reference) by run type





3H rates (reference) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0346	2.77	0.2076	0.0915	
	2	0.0348	2.73	0.2072	0.0913	
	3	0.0346	0.0	0.2076	0.0915	
	4	0.0545	0.0	0.2076	0.0915	
	5	0.0347	2.56	0.2076	0.0915	
	6	0.0347	2.56	0.2076	0.0915	
	7	0.0346	2.77	0.2076	0.0915	
	8	0.7727	0.67	0.2076	0.0915	
	9	0.0548	14.08	0.2076	0.0915	
	10	0.0347	2.81	0.2076	0.0915	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0446	1.95	0.2076	0.0915	
	2	0.0448	1.95	0.2076	0.0915	
	3	0.0448	1.93	0.2076	0.0915	
	4	0.0565	1.71	0.2076	0.0915	
	5	0.0451	1.91	0.2076	0.0915	
	6	0.0458	1.88	0.2076	0.0915	
	7	0.0746	1.45	0.2076	0.0915	
	8	0.0447	1.94	0.2076	0.0915	
	9	0.045	2.07	0.2076	0.0915	
	10	0.0446	1.95	0.2076	0.0915	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0447	1.96	0.2076	0.0915	
	2	0.045	1.95	0.2076	0.0915	
	3	0.0451	1.93	0.2076	0.0915	
	4	0.0645	26.51	0.2076	0.0915	
	5	0.0448	2.06	0.2076	0.0915	
	6	0.0448	1.95	0.2076	0.0915	
	7	0.045	1.94	0.2076	0.0915	
	8	0.0447	1.96	0.2076	0.0915	
	9	0.0448	1.95	0.2076	0.0915	
	10	0.0446	1.98	0.2076	0.0915	

	test	Negative s election	0.0	7.736	SRV+Double	
	test	Negative s election	0.155	86.251	SRV+Double	
	test	Neutral evolution	1.0	6.013	SRV+Double	
	test	Neutral evolution	1.0	6.013	SRV+Double	
	reference	Negative s election	Ω-class distributions (all) (cols 1-7/7)	7.038	SRV+Double	
	reference	Negative s election		0.149	87.495	SRV+Double
	reference	Neutral evolution		1.0	5.467	SRV+Double
	test	Negative s election		0.0	7.038	SRV+Double
	test	Negative s election		0.149	87.495	SRV+Double
	test	Neutral evolution		1.0	5.467	SRV+Double
	reference	Diversifying selection		1.002	0.0	SRV+Double
	reference	Negative s election		0.0	53.166	SRV+Double
	reference	Negative s election		0.417	46.834	SRV+Double
	test	Diversifying selection		1.004	0.0	SRV+Double
	test	Diversifying selection	1.002	0.0	SRV+Double	
	test	Negative s election	0.0	53.166	SRV+Double	
	test	Negative s election	0.187	46.834	SRV+Double	
	test	Negative s election	0.0	53.166	SRV+Double	
	test	Negative s election	0.417	46.834	SRV+Double	
	reference	Diversifying selection	1.789	0.0	SRV+Double	
	reference	Negative s election	0.0	53.69	SRV+Double	
	reference	Negative s election	0.404	46.31	SRV+Double	
	test	Diversifying selection	1.789	0.0	SRV+Double	
	test	Negative s election	0.0	53.69	SRV+Double	
	test	Negative s election	0.404	46.31	SRV+Double	
	reference	Diversifying selection	1.002	0.0	SRV+Double	
	reference	Negative s election	0.0	51.76	SRV+Double	
	reference	Negative s election	0.403	48.24	SRV+Double	
	test	Diversifying selection	1.004	0.0	SRV+Double	
	test	Diversifying selection	1.002	0.0	SRV+Double	
	test	Negative s election	0.0	51.76	SRV+Double	
	test	Negative s election	0.181	48.24	SRV+Double	
	test	Negative s election	0.0	51.76	SRV+Double	
	test	Negative s election	0.403	48.24	SRV+Double	
	reference	Diversifying selection	1.77	0.0	SRV+Double	
	reference	Negative s election	0.0	52.433	SRV+Double	
	reference	Negative s election	0.391	47.567	SRV+Double	
	test	Diversifying selection	1.77	0.0	SRV+Double	
	test	Negative s election	0.0	52.433	SRV+Double	
	test	Negative s election	0.391	47.567	SRV+Double	
	reference	Diversifying selection	3.946	0.0	SRV+Double	
	reference	Negative s election	0.056	0.0	SRV+Double	
	reference	Negative s election	0.186	100.0	SRV+Double	
	test	Diversifying selection	7.29	0.0	SRV+Double	
	test	Diversifying selection	3.946	0.0	SRV+Double	
	test	Negative s election	0.016	0.0	SRV+Double	
	test	Negative s election	0.087	100.0	SRV+Double	
	test	Negative s election	0.056	0.0	SRV+Double	
	test	Negative s election	12 0.186	100.0	SRV+Double	
	reference	Negative s election	0.0	17.804	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	20.731	SRV	
	2	0.815	48.852	SRV	
	3	1.979	30.417	SRV	
	1	0.049	24.961	SRV	
	2	0.904	46.976	SRV	
	3	2.007	28.063	SRV	
	1	0.0	20.764	SRV	
	2	0.817	48.983	SRV	
	3	1.982	30.254	SRV	
	1	0.0	20.757	SRV	
	2	0.826	50.114	SRV	
	3	2.011	29.129	SRV	
	1	0.016	22.233	SRV	
	2	0.854	48.748	SRV	
	3	1.999	29.019	SRV	
	1	0.0	20.723	SRV	
	2	0.814	48.812	SRV	
	3	1.978	30.465	SRV	
	1	0.0	20.912	SRV	
	2	0.827	49.331	SRV	
	3	1.99	29.757	SRV	
	1	0.0	21.026	SRV	
	2	0.827	48.697	SRV	
	3	1.973	30.277	SRV	
	1	0.058	26.454	SRV	
	2	0.98	49.766	SRV	
	3	2.089	23.78	SRV	
	1	0.014	22.127	SRV	
	2	0.855	49.044	SRV	
	3	2.003	28.828	SRV	

	test	2H	0.0276	SRV+Double	
	reference	2H	0.0793	SRV+Double	
	reference	2H	0.0691	SRV+Double	
	test	2H	0.0	SRV+Double	
	test	2H	0.0296	SRV+Double	
	reference	2H	0.1228	SRV+Double+Triple	
	reference	2H	0.0715	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0264	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0799	SRV+Double+Triple	
	reference	2H	0.0703	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	2H	0.0279	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1364	SRV+Double+Triple	
	reference	2H	0.072	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0277	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.081	SRV+Double+Triple	
	reference	2H	0.0703	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	2H	0.0297	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1361	SRV+Double+Triple	
	reference	2H	0.0733	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0283	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0807	SRV+Double+Triple	
	reference	2H	0.0703	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	2H	0.0298	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1366	SRV+Double+Triple	
	reference	2H	0.0653	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0154	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0906	SRV+Double+Triple	
	reference	2H	0.0705	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	2H	0.0263	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1263	SRV+Double+Triple	