

# RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

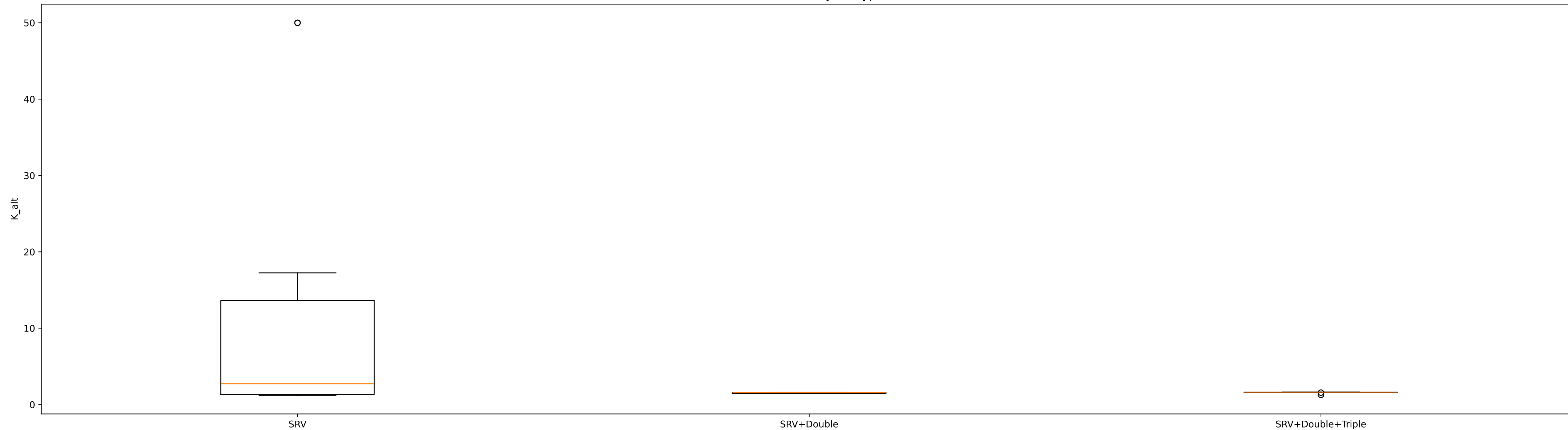
Includes:

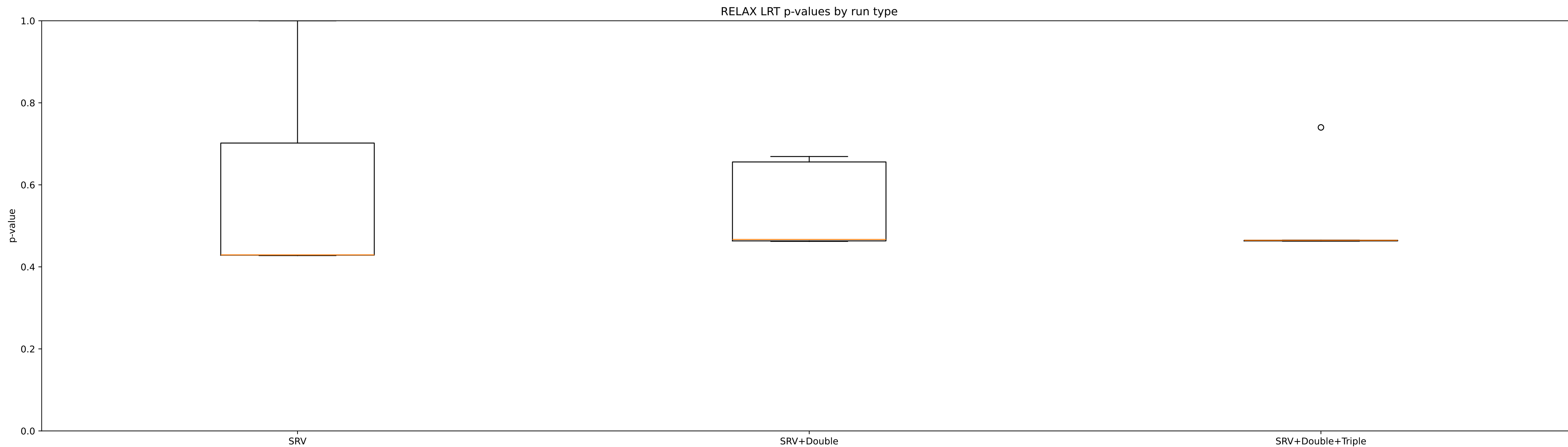
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

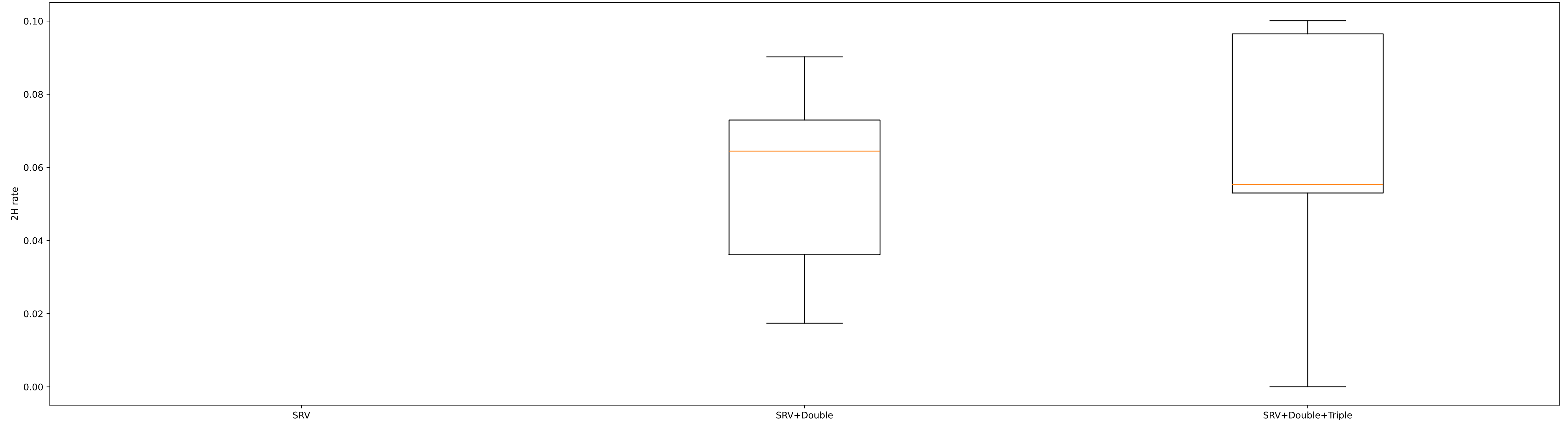
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.4292	0.4276	1.0	2.725	1.21	50.0	0.2226	0.0942	10	nan	nan
0.4668	0.4622	0.669	1.56	1.44	1.61	0.2226	0.0942	10	0.0645	0.0
0.4648	0.4627	0.74	1.63	1.27	1.64	0.2226	0.0942	10	0.0553	0.0

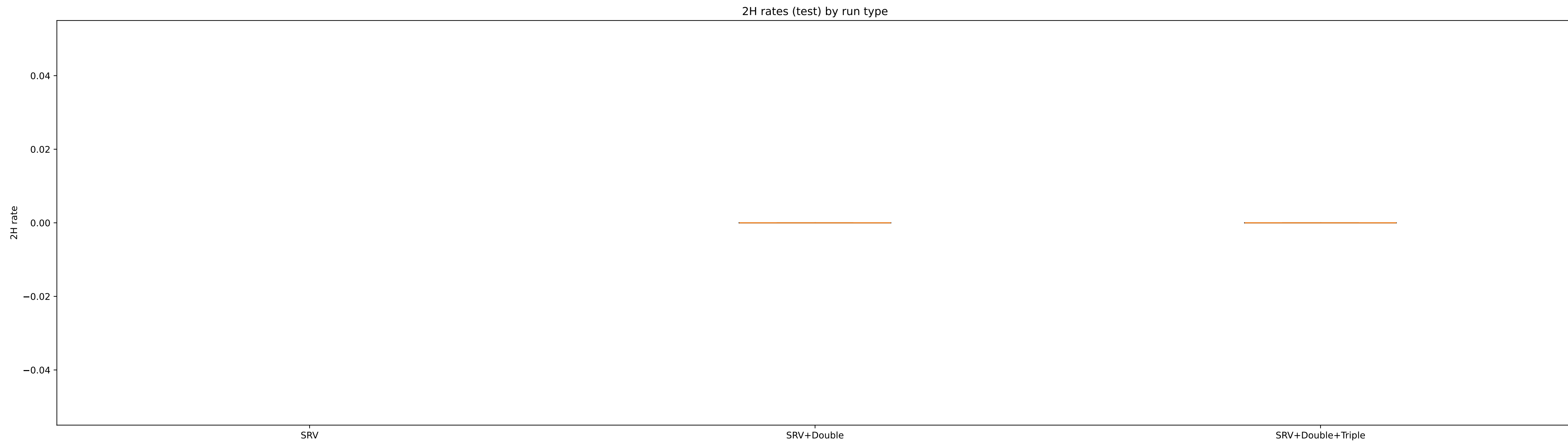
K (alternative) by run type



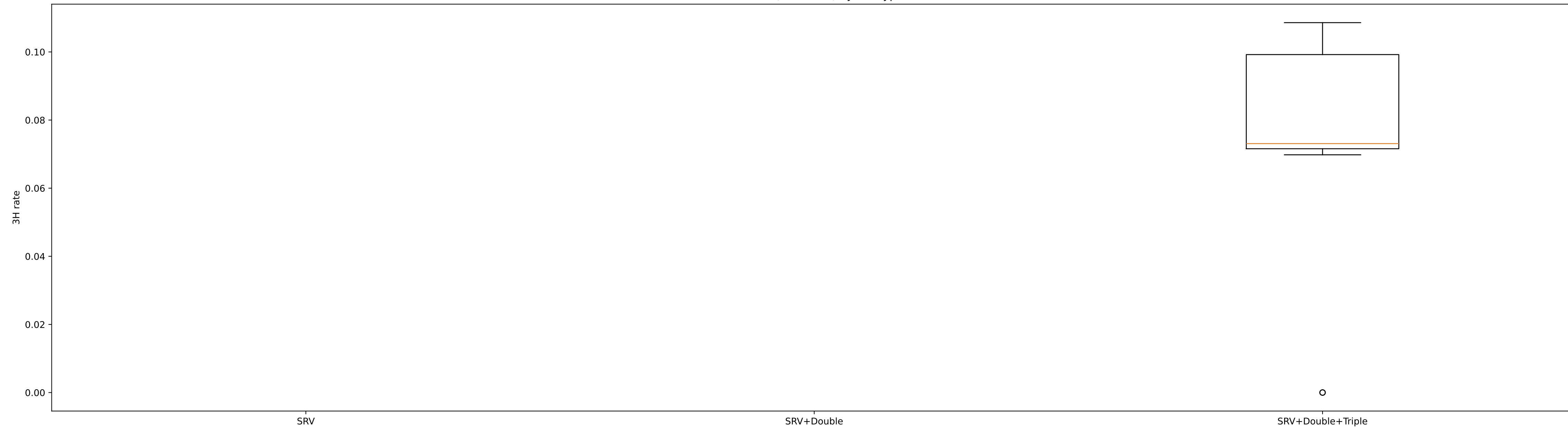


2H rates (reference) by run type





3H rates (reference) by run type



3H rates (test) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	1.21	0.2226	0.0942	
	2	0.4294	2.8	0.2226	0.0942	
	3	0.7206	1.21	0.2226	0.0942	
	4	0.4281	17.25	0.2226	0.0942	
	5	0.4291	2.81	0.2226	0.0942	
	6	0.4291	50.0	0.2226	0.0942	
	7	0.6456	1.74	0.2226	0.0942	
	8	0.4276	2.65	0.2226	0.0942	
	9	0.4284	50.0	0.2226	0.0942	
	10	0.723	1.21	0.2226	0.0942	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.4622	1.57	0.2226	0.0942	
	2	0.6567	1.45	0.2226	0.0942	
	3	0.6543	1.45	0.2226	0.0942	
	4	0.4633	1.59	0.2226	0.0942	
	5	0.4633	1.55	0.2226	0.0942	
	6	0.669	1.5	0.2226	0.0942	
	7	0.4685	1.61	0.2226	0.0942	
	8	0.4652	1.59	0.2226	0.0942	
	9	0.4631	1.58	0.2226	0.0942	
	10	0.6563	1.44	0.2226	0.0942	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.4649	1.64	0.2226	0.0942	
	2	0.4627	1.56	0.2226	0.0942	
	3	0.4646	1.63	0.2226	0.0942	
	4	0.4649	1.63	0.2226	0.0942	
	5	0.4641	1.63	0.2226	0.0942	
	6	0.4649	1.64	0.2226	0.0942	
	7	0.463	1.63	0.2226	0.0942	
	8	0.74	1.27	0.2226	0.0942	
	9	0.4627	1.62	0.2226	0.0942	
	10	0.4651	1.63	0.2226	0.0942	

	test	Negative s election	0.163	69.632	SRV+Double	
	test	Negative s election	0.227	27.372	SRV+Double	
	test	Neutral evolution	1.0	2.995	SRV+Double	
	test	Neutral evolution	1.0	2.995	SRV+Double	
	reference	Negative s election	0.163	71.495	SRV+Double	
	reference	Negative s election	0.244	26.048	SRV+Double	
	reference	Neutral evolution	1.0	2.457	SRV+Double	
	test	Negative s election	0.161	71.495	SRV+Double	
	test	Negative s election	0.244	26.048	SRV+Double	
	test	Neutral evolution	1.0	2.457	SRV+Double	
	reference	Negative s election	0.178	92.958	SRV+Double	
	reference	Negative s election	0.426	5.428	SRV+Double	
	reference	Neutral evolution	1.0	1.614	SRV+Double	
	test	Negative s election	0.069	92.958	SRV+Double	
	test	Negative s election	0.266	5.428	SRV+Double	
	test	Negative s election	0.178	92.958	SRV+Double	
	test	Negative s election	0.426	5.428	SRV+Double	
	test	Neutral evolution	1.0	1.614	SRV+Double	
	test	Neutral evolution	1.0	1.614	SRV+Double	
	reference	Negative s election	0.176	92.888	SRV+Double	
	reference	Negative s election	0.424	5.569	SRV+Double	
	reference	Neutral evolution	1.0	1.543	SRV+Double	
	test	Negative s election	0.176	92.888	SRV+Double	
	test	Negative s election	0.424	5.569	SRV+Double	
	test	Neutral evolution	1.0	1.543	SRV+Double	
	reference	Diversifying selection	206.868	0.036	SRV+Double	
	reference	Negative s election	0.0	9.884	SRV+Double	
	reference	Negative s election, Diversifying selection	0.225	90.08	SRV+Double	
	test	Diversifying selection	3000.882	0.036	SRV+Double	
	test	Diversifying selection	206.868	0.036	SRV+Double	
	test	Negative s election	0.0	9.884	SRV+Double	
	test	Negative s election	0.107	90.08	SRV+Double	
	test	Negative s election	0.0	9.884	SRV+Double	
	test	Negative s election, Diversifying selection	0.225	90.08	SRV+Double	
	reference	Diversifying selection	146.899	0.046	SRV+Double	
	reference	Negative s election	0.0	12.977	SRV+Double	
	reference	Negative s election, Diversifying selection	0.231	86.977	SRV+Double	
	test	Diversifying selection	146.899	0.046	SRV+Double	
	test	Negative s election	0.0	12.977	SRV+Double	
	test	Negative s election	0.231	86.977	SRV+Double	
	reference	Negative s election	0.112	8.986	SRV+Double	
	reference	Negative s election	0.184	87.419	SRV+Double	
	reference	Neutral evolution	1.0	3.595	SRV+Double	
	test	Negative s election	0.029	8.986	SRV+Double	
	test	Negative s election	0.065	87.419	SRV+Double	
	test	Negative s election	0.112	8.986	SRV+Double	
	test	Negative s election	0.184	87.419	SRV+Double	
	test	Neutral evolution	1.0	3.595	SRV+Double	
	test	Neutral evolution	1.0	3.595	SRV+Double	
	reference	Negative s election	0.097	11.726	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.03	20.457	SRV	
	2	1.086	73.03	SRV	
	3	3.083	6.512	SRV	
	1	0.502	34.96	SRV	
	2	0.572	34.514	SRV	
	3	2.054	30.526	SRV	
	1	0.035	19.867	SRV	
	2	1.068	73.819	SRV	
	3	3.245	6.314	SRV	
	1	0.51	45.615	SRV	
	2	0.588	23.842	SRV	
	3	2.053	30.542	SRV	
	1	0.5	43.029	SRV	
	2	0.602	26.639	SRV	
	3	2.059	30.332	SRV	
	1	0.528	30.082	SRV	
	2	0.542	39.352	SRV	
	3	2.054	30.567	SRV	
	1	0.02	19.644	SRV	
	2	1.067	72.231	SRV	
	3	2.774	8.124	SRV	
	1	0.511	41.643	SRV	
	2	0.569	27.585	SRV	
	3	2.048	30.772	SRV	
	1	0.506	32.021	SRV	
	2	0.562	37.369	SRV	
	3	2.052	30.609	SRV	
	1	0.036	20.068	SRV	
	2	1.073	73.793	SRV	
	3	3.269	6.139	SRV	

	reference	3H	0.0698	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0551	SRV+Double+Triple	
	reference	3H	0.0728	SRV+Double+Triple	
	reference	3H	0.0735	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0988	SRV+Double+Triple	
	reference	2H	0.0586	SRV+Double+Triple	
	reference	3H	0.1083	SRV+Double+Triple	
	reference	3H	0.0769	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0595	SRV+Double+Triple	
	reference	2H	0.0594	SRV+Double+Triple	
	reference	3H	0.0772	SRV+Double+Triple	
	reference	3H	0.0774	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0982	SRV+Double+Triple	
	reference	2H	0.0519	SRV+Double+Triple	
	reference	3H	0.1068	SRV+Double+Triple	
	reference	3H	0.0705	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0554	SRV+Double+Triple	
	reference	2H	0.0555	SRV+Double+Triple	
	reference	3H	0.073	SRV+Double+Triple	
	reference	3H	0.0737	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0992	SRV+Double+Triple	
	reference	2H	0.0522	SRV+Double+Triple	
	reference	3H	0.1086	SRV+Double+Triple	
	reference	3H	0.0703	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0555	SRV+Double+Triple	
	reference	2H	0.0554	SRV+Double+Triple	
	reference	3H	0.0729	SRV+Double+Triple	
	reference	3H	0.0733	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0988	SRV+Double+Triple	
	reference	2H	0.0516	SRV+Double+Triple	
	reference	3H	0.1074	SRV+Double+Triple	
	reference	3H	0.0699	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	

Multihit (2H/3H) rates (all) (cols 1-6/6)