

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

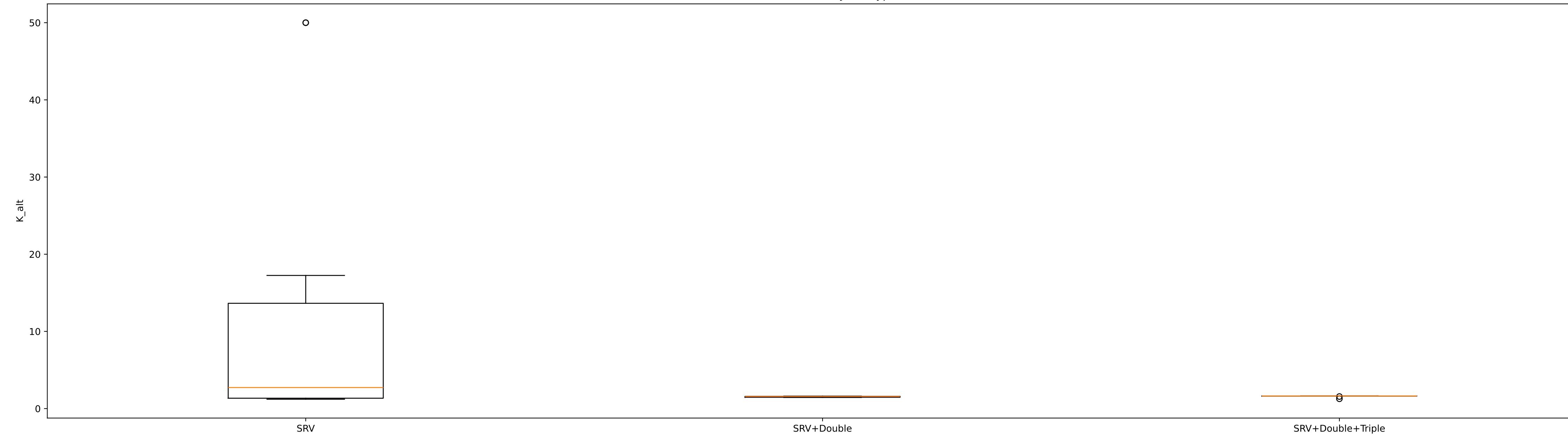
Includes:

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

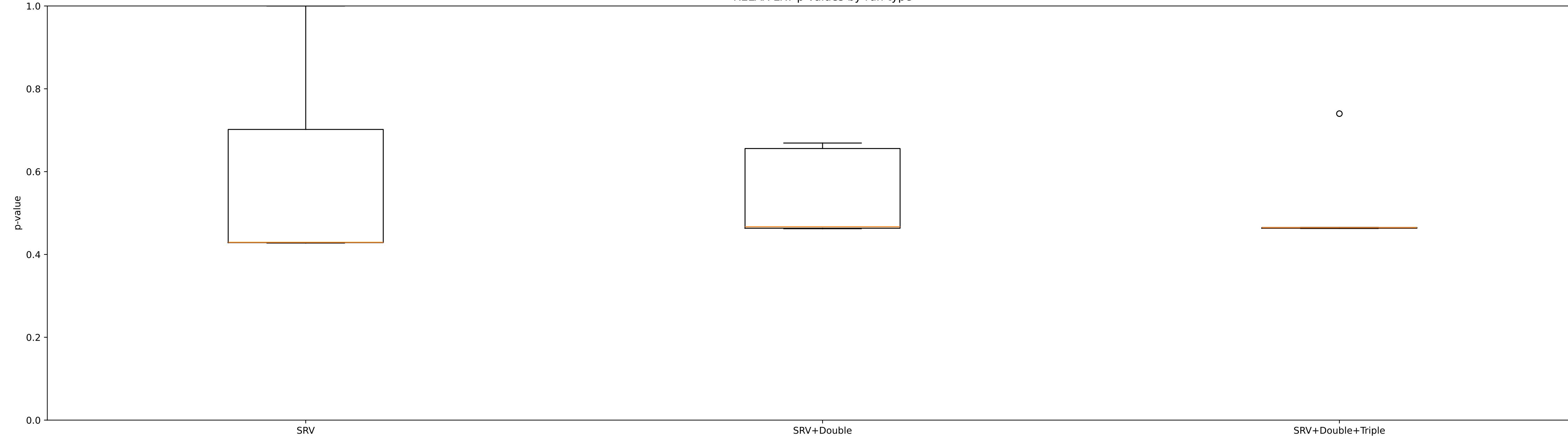
Run-type summary statistics

p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_medi an	omega_test_medi an	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

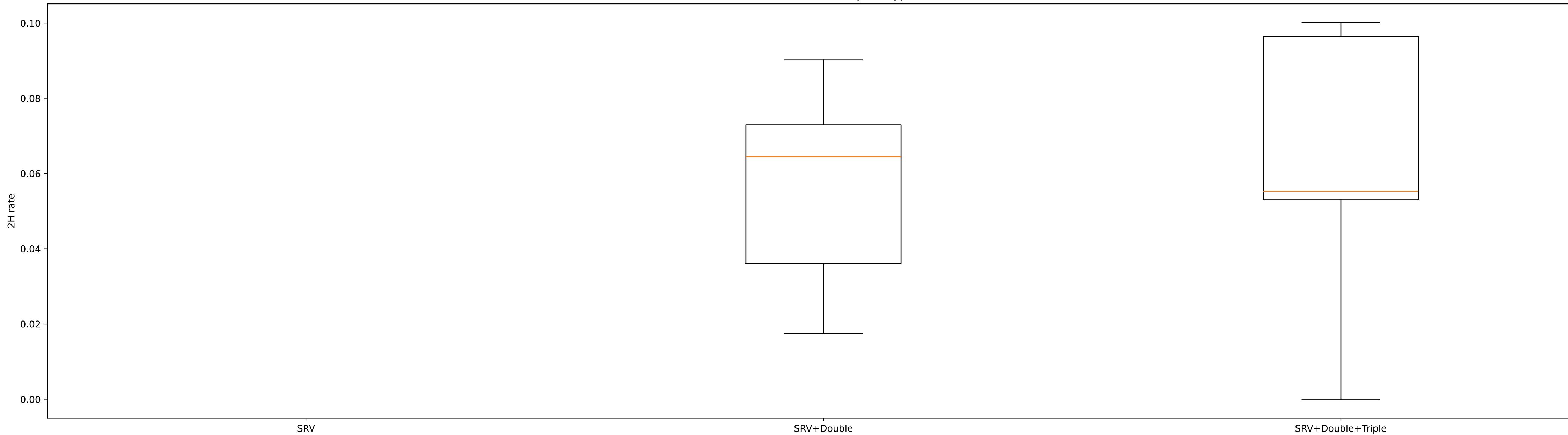
K (alternative) by run type



RELAX LRT p-values by run type



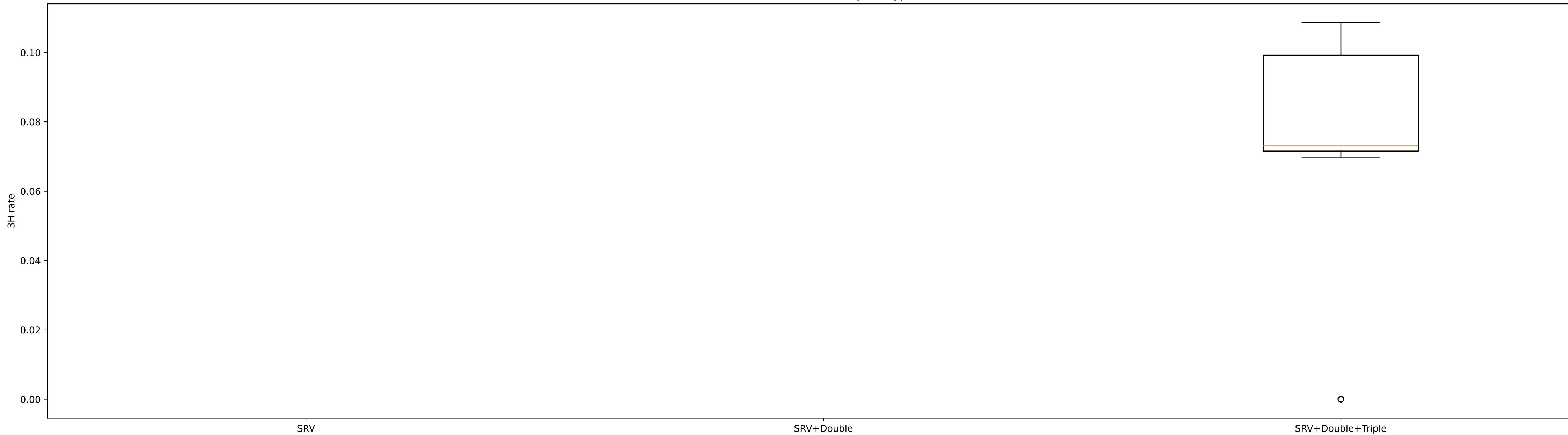
2H rates (reference) by run type



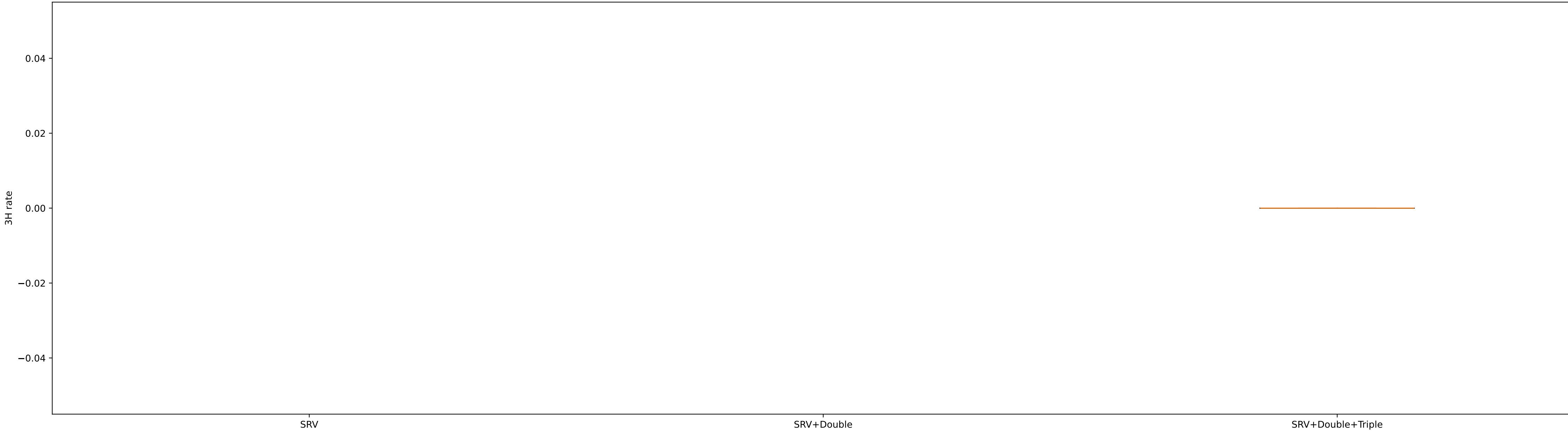
2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



Replicate-level summary — SRV (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	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-level summary — SRV+Double (page 1/1)

	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-level summary — SRV+Double+Triple (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	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

			Negative s election	0.163	69.632	SRV+Double
			Negative s election	0.227	27.372	SRV+Double
			Neutral evolution	1.0	2.995	SRV+Double
			Neutral evolution	1.0	2.995	SRV+Double
	reference		Negative s election	Ω-class distributions (all) (cols 1-7/7)		
	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	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	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	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	1.2	3.595	SRV+Double
	test		Negative s election	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	
SRV	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	
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	
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	
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	