

## RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

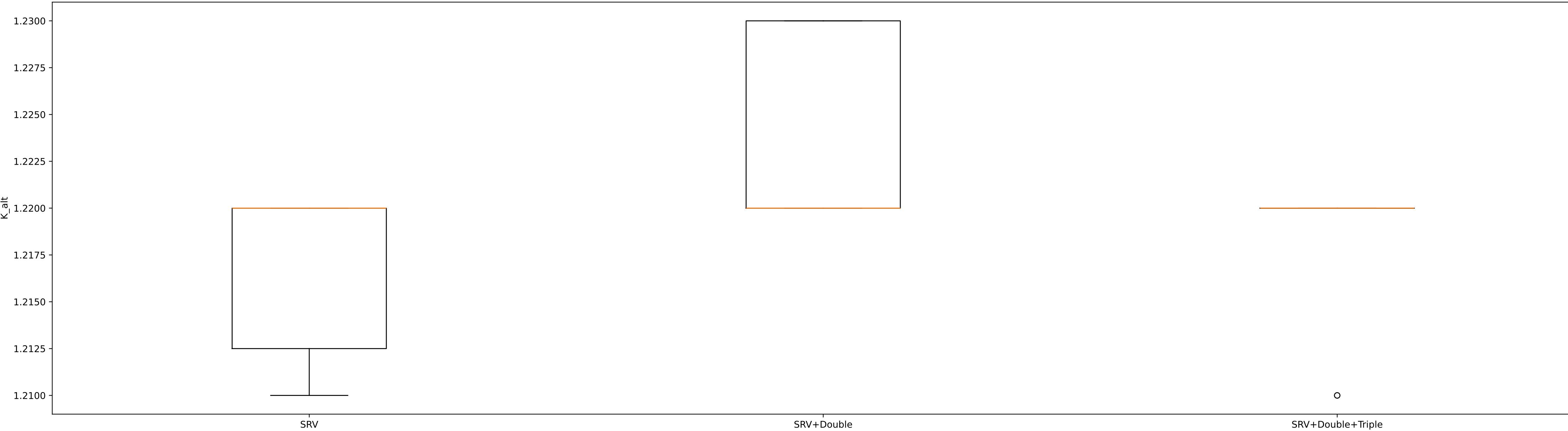
Includes:

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

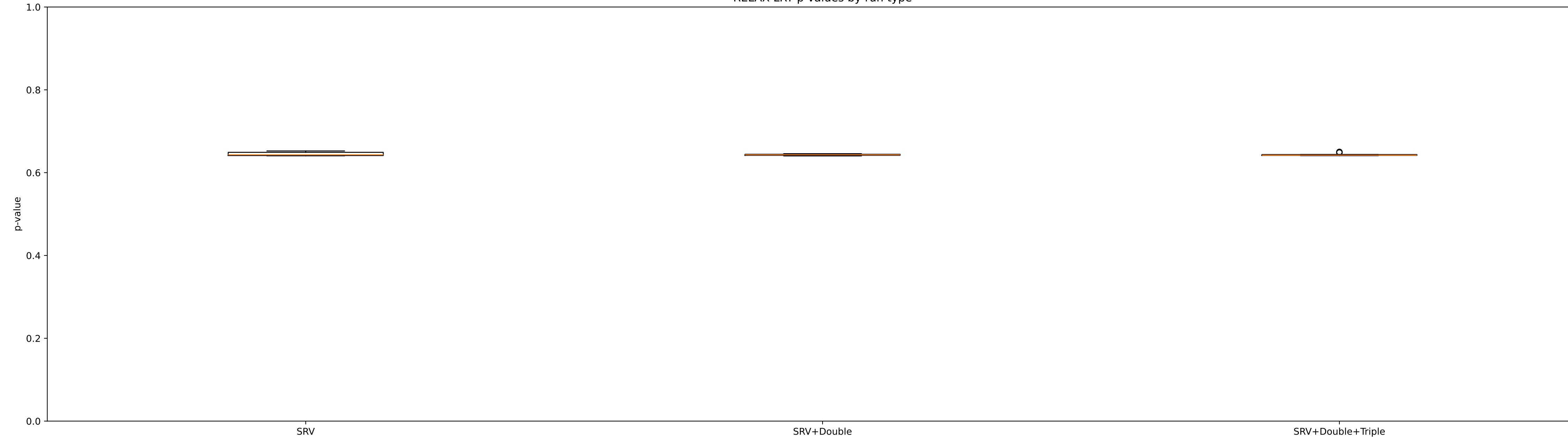
## Run-type summary statistics

<b>p_median</b>	<b>p_min</b>	<b>p_max</b>	<b>K_median</b>	<b>K_min</b>	<b>K_max</b>	<b>omega_ref_medi an</b>	<b>omega_test_medi an</b>	<b>warnings_count</b>	<b>2H_reference_m edian</b>	<b>2H_test_median</b>
0.6431	0.6407	0.6524	1.22	1.21	1.22	0.2765	0.1907	10	nan	nan
0.6432	0.6404	0.6458	1.22	1.22	1.23	0.2765	0.1907	10	0.0	0.0
0.6422	0.641	0.65	1.22	1.21	1.22	0.2765	0.1907	10	0.0	0.0

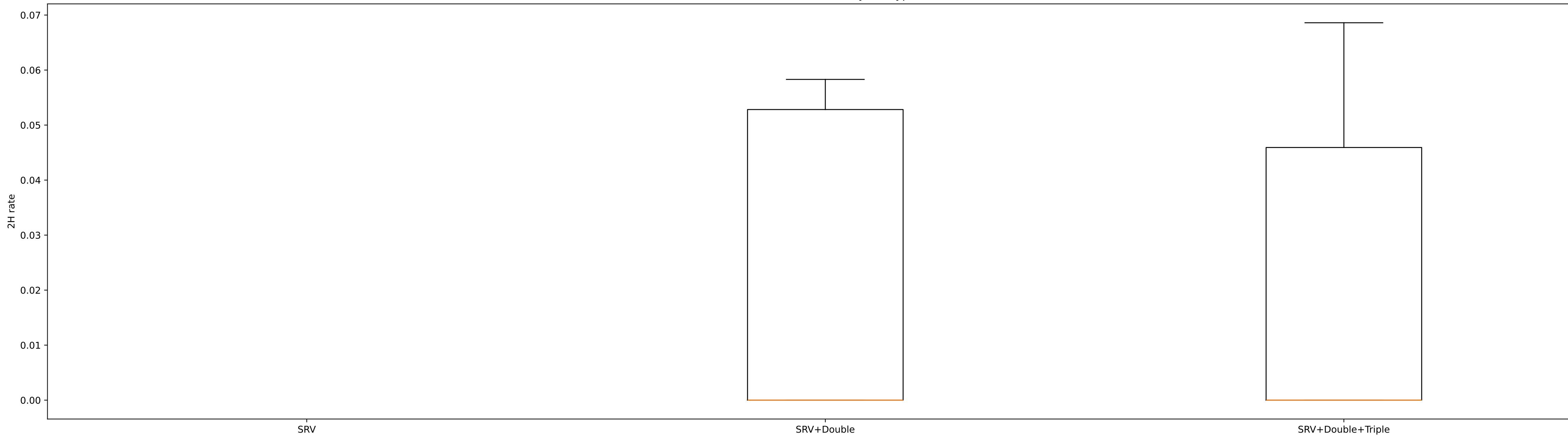
K (alternative) by run type



### RELAX LRT p-values by run type



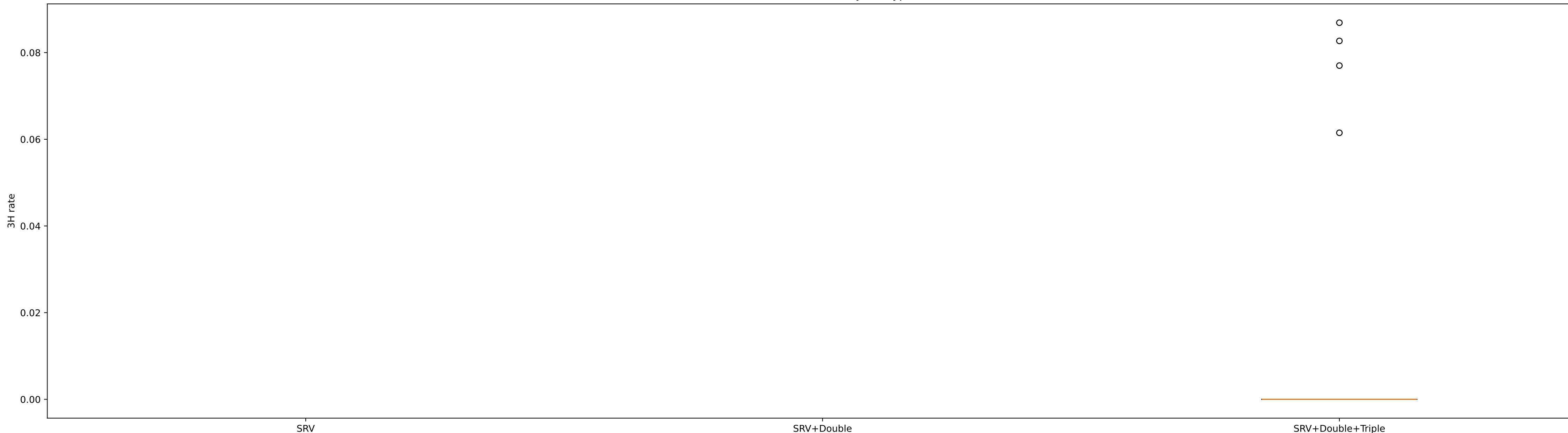
2H rates (reference) by run type



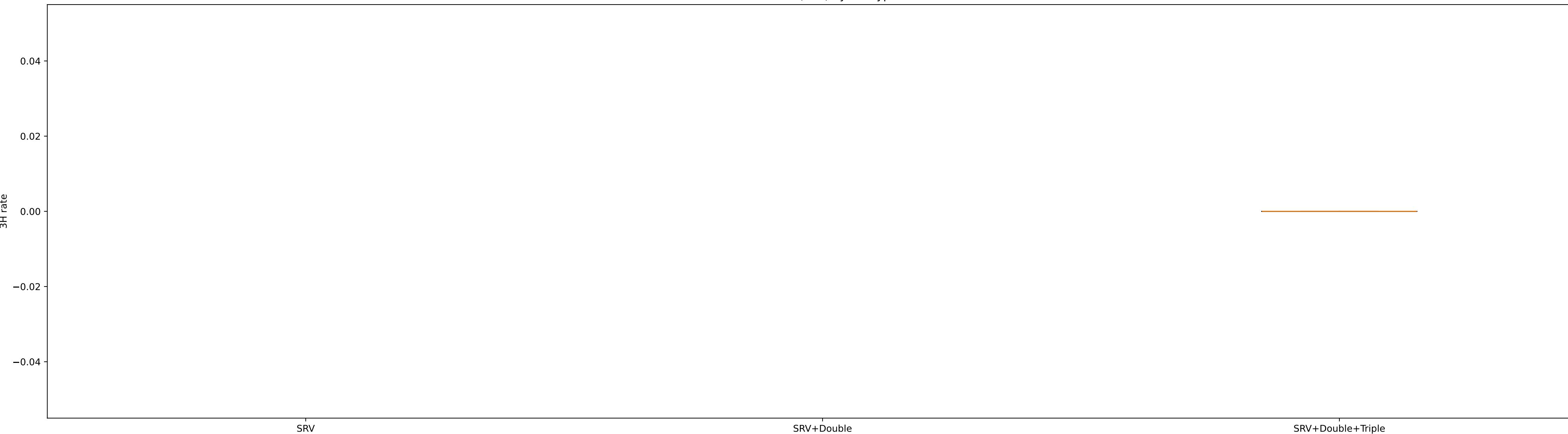
2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.6507	1.21	0.2765	0.1907
	2	0.6431	1.22	0.2765	0.1907
	3	0.6524	1.21	0.2765	0.1907
	4	0.6412	1.22	0.2765	0.1907
	5	0.6508	1.21	0.2765	0.1907
	6	0.6407	1.22	0.2765	0.1907
	7	0.6411	1.22	0.2765	0.1907
	8	0.6431	1.22	0.2765	0.1907
	9	0.6444	1.22	0.2765	0.1907
	10	0.6413	1.22	0.2765	0.1907

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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.6449	1.22	0.2765	0.1907
	2	0.6406	1.22	0.2765	0.1907
	3	0.6435	1.23	0.2765	0.1907
	4	0.6415	1.22	0.2765	0.1907
	5	0.6458	1.22	0.2765	0.1907
	6	0.6426	1.22	0.2765	0.1907
	7	0.6435	1.23	0.2765	0.1907
	8	0.6447	1.23	0.2765	0.1907
	9	0.6404	1.22	0.2765	0.1907
	10	0.6428	1.23	0.2765	0.1907

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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.6415	1.22	0.2765	0.1907
	2	0.6439	1.22	0.2765	0.1907
	3	0.65	1.21	0.2765	0.1907
	4	0.6422	1.22	0.2765	0.1907
	5	0.6422	1.22	0.2765	0.1907
	6	0.6431	1.22	0.2765	0.1907
	7	0.6483	1.22	0.2765	0.1907
	8	0.6413	1.22	0.2765	0.1907
	9	0.6421	1.22	0.2765	0.1907
	10	0.641	1.22	0.2765	0.1907

	test	Negative selection	0.181	97.309	SRV+Double
	test	Negative selection	0.195	2.076	SRV+Double
	test	Negative selection	0.247	97.309	SRV+Double
	test	Negative selection	0.263	2.076	SRV+Double
	reference	Diversifying selection	<b>Ω-class distributions (all) (cols 1-7/7)</b>		
	reference	Negative selection	0.24	1.84	SRV+Double
	reference	Negative selection	0.247	97.611	SRV+Double
	test	Diversifying selection	5.443	0.549	SRV+Double
	test	Negative selection	0.24	1.84	SRV+Double
	test	Negative selection	0.247	97.611	SRV+Double
	reference	Diversifying selection	5.33	0.541	SRV+Double
	reference	Negative selection	0.208	3.353	SRV+Double
	reference	Negative selection	0.251	96.106	SRV+Double
	test	Diversifying selection	7.674	0.541	SRV+Double
	test	Diversifying selection	5.33	0.541	SRV+Double
	test	Negative selection	0.148	3.353	SRV+Double
	test	Negative selection	0.185	96.106	SRV+Double
	test	Negative selection	0.208	3.353	SRV+Double
	test	Negative selection	0.251	96.106	SRV+Double
	reference	Diversifying selection	5.618	0.528	SRV+Double
	reference	Negative selection	0.237	3.246	SRV+Double
	reference	Negative selection	0.248	96.227	SRV+Double
	test	Diversifying selection	5.618	0.528	SRV+Double
	test	Negative selection	0.237	3.246	SRV+Double
	test	Negative selection	0.248	96.227	SRV+Double
	reference	Diversifying selection	4.819	0.623	SRV+Double
	reference	Negative selection	0.246	96.895	SRV+Double
	reference	Negative selection	0.287	2.482	SRV+Double
	test	Diversifying selection	6.841	0.623	SRV+Double
	test	Diversifying selection	4.819	0.623	SRV+Double
	test	Negative selection	0.18	96.895	SRV+Double
	test	Negative selection	0.217	2.482	SRV+Double
	test	Negative selection	0.246	96.895	SRV+Double
	test	Negative selection	0.287	2.482	SRV+Double
	reference	Diversifying selection	5.548	0.532	SRV+Double
	reference	Negative selection	0.24	2.325	SRV+Double
	reference	Negative selection	0.247	97.143	SRV+Double
	test	Diversifying selection	5.548	0.532	SRV+Double
	test	Negative selection	0.24	2.325	SRV+Double
	test	Negative selection	0.247	97.143	SRV+Double
	reference	Diversifying selection	4.674	0.651	SRV+Double
	reference	Negative selection	0.245	95.563	SRV+Double
	reference	Negative selection	0.293	3.786	SRV+Double
	test	Diversifying selection	6.632	0.651	SRV+Double
	test	Diversifying selection	4.674	0.651	SRV+Double
	test	Negative selection	0.178	95.563	SRV+Double
	test	Negative selection	0.222	3.786	SRV+Double
	test	Negative selection	0.245	95.563	SRV+Double
	test	Negative selection	12 0.293	3.786	SRV+Double
	reference	Diversifying selection	5.498	0.542	SRV+Double

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

	<b>class_id</b>	<b>syn_rate</b>	<b>proportion_per cent</b>	<b>run_type</b>	
SRV	1	0.358	32.515	SRV	
	2	1.052	59.341	SRV	
	3	3.185	8.144	SRV	
	1	0.0	9.639	SRV	
	2	0.876	81.097	SRV	
	3	3.129	9.264	SRV	
	1	0.657	51.89	SRV	
	2	0.658	28.979	SRV	
	3	2.448	19.131	SRV	
SRV	1	0.0	9.764	SRV	
	2	0.879	81.109	SRV	
	3	3.146	9.127	SRV	
	1	0.343	31.196	SRV	
	2	1.048	60.865	SRV	
	3	3.216	7.939	SRV	
	1	0.0	9.673	SRV	
	2	0.876	81.081	SRV	
	3	3.131	9.246	SRV	
SRV	1	0.0	9.738	SRV	
	2	0.879	81.155	SRV	
	3	3.152	9.107	SRV	
	1	0.0	9.794	SRV	
	2	0.88	81.185	SRV	
	3	3.161	9.02	SRV	
	1	0.0	9.651	SRV	
	2	0.877	81.152	SRV	
	3	3.138	9.197	SRV	
SRV	1	0.0	9.744	SRV	
	2	0.878	81.101	SRV	
	3	3.142	9.155	SRV	

