

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)

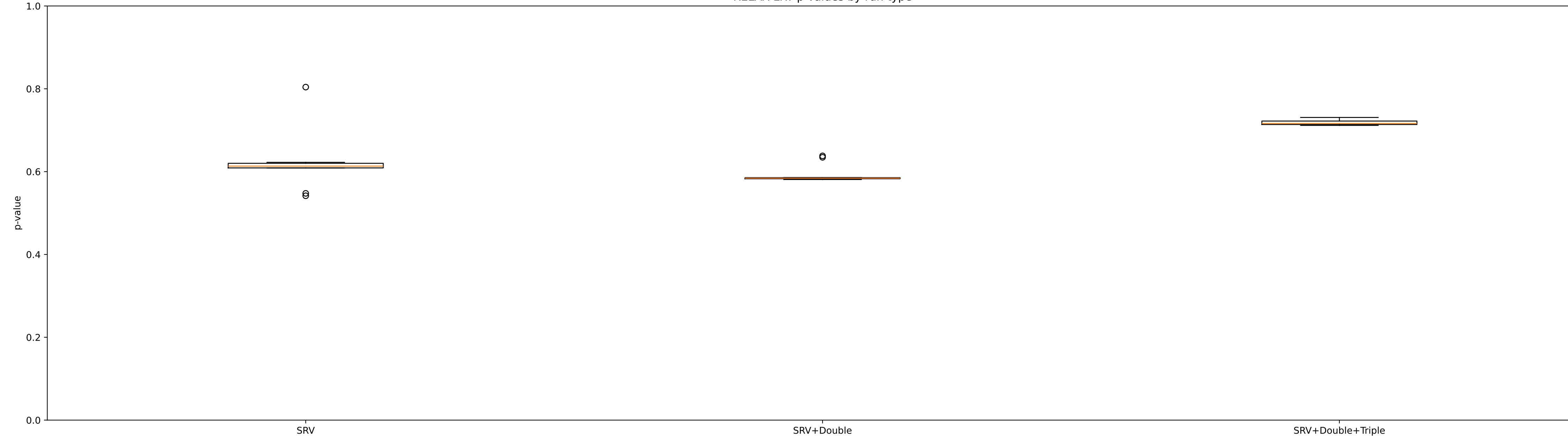
Run-type summary statistics

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
0.6133	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

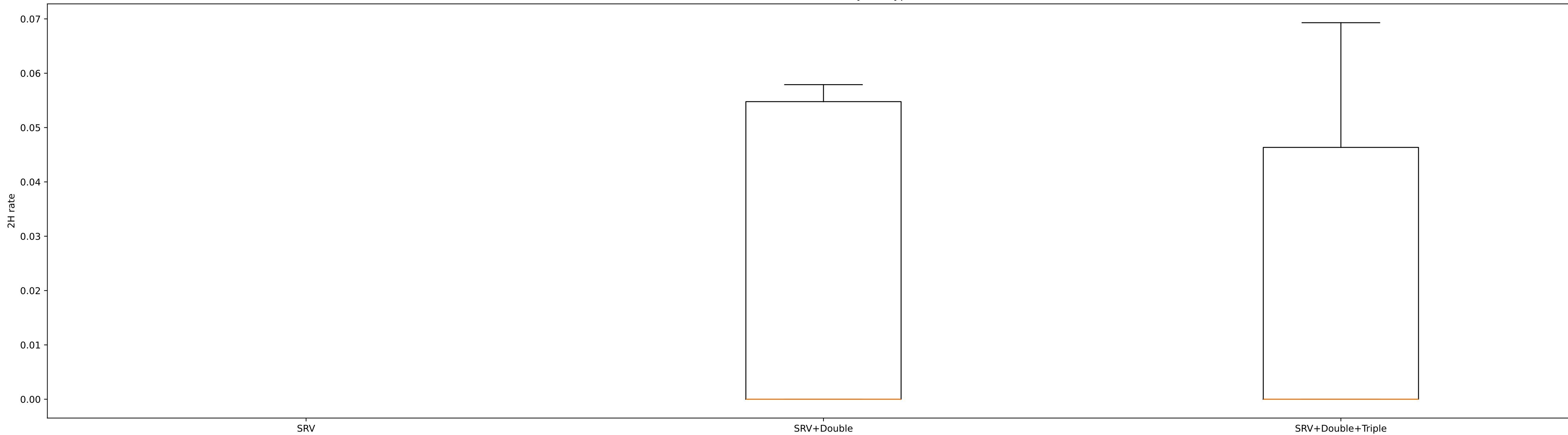
K (alternative) by run type



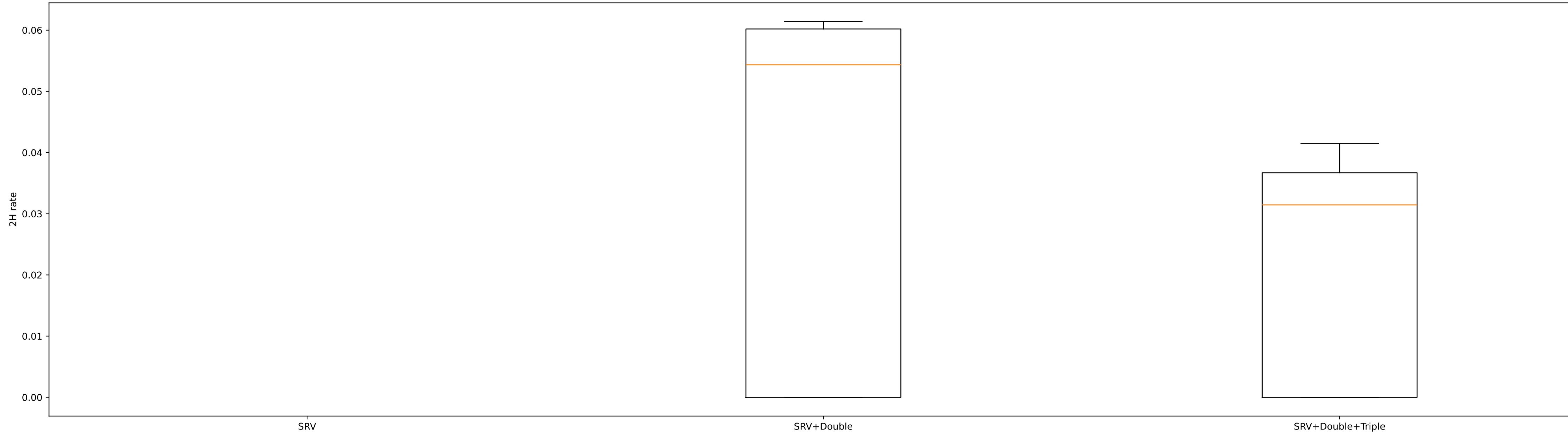
RELAX LRT p-values by run type



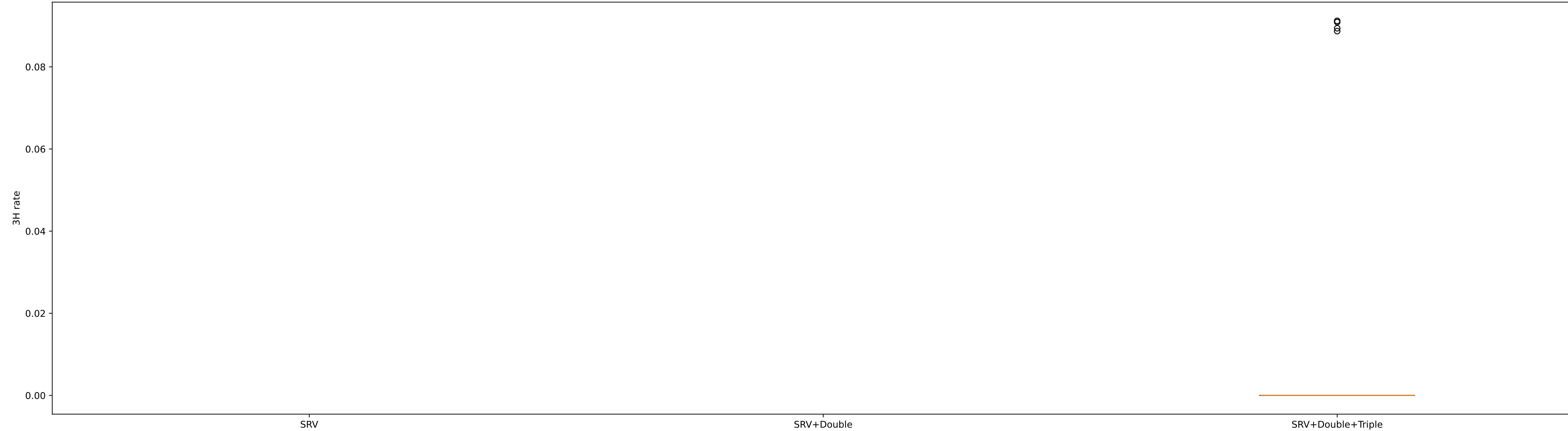
2H rates (reference) by run type



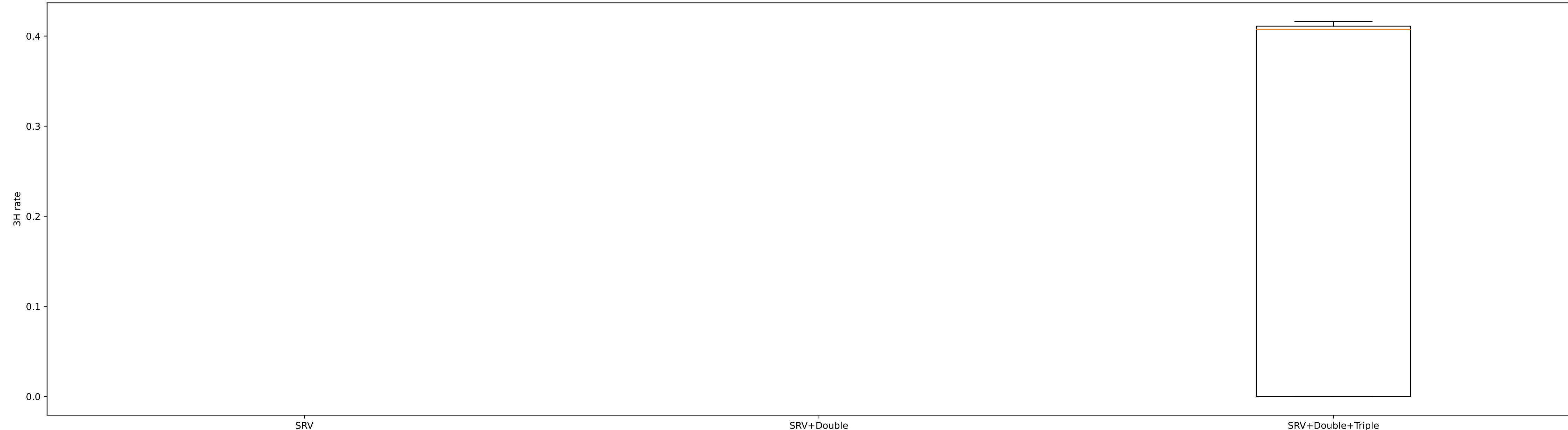
2H rates (test) by run type



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

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

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

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	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	
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	
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	
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	0.0	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0332	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.4112	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	