

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

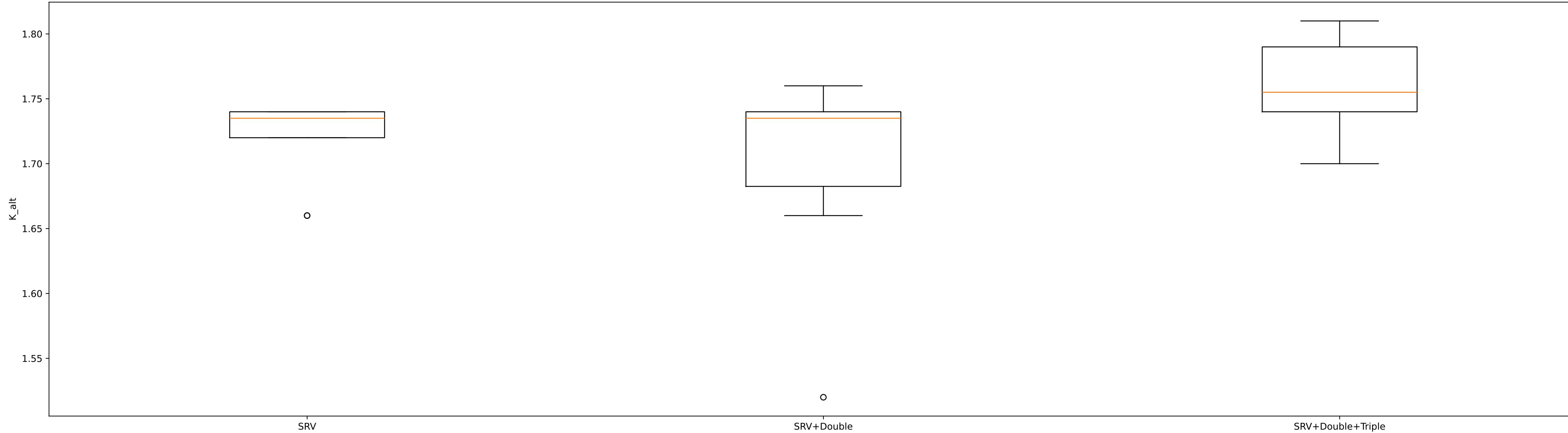
Includes:

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

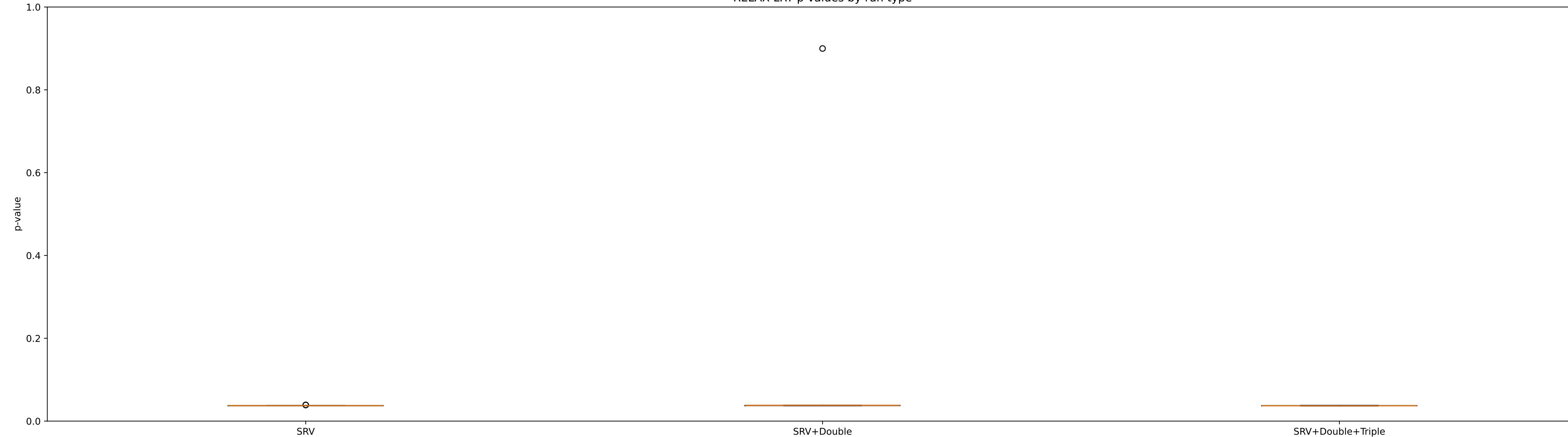
Run-type summary statistics

p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_median	omega_test_median	warnings_count	2H_reference_median	2H_test_median
0.0373	0.0369	0.0392	1.735	1.66	1.74	0.1813	0.056	10	nan	nan
0.038	0.0371	0.8998	1.735	1.52	1.76	0.1813	0.056	10	0.0006	0.0
0.0371	0.0366	0.038	1.755	1.7	1.81	0.1813	0.056	10	0.0	0.0

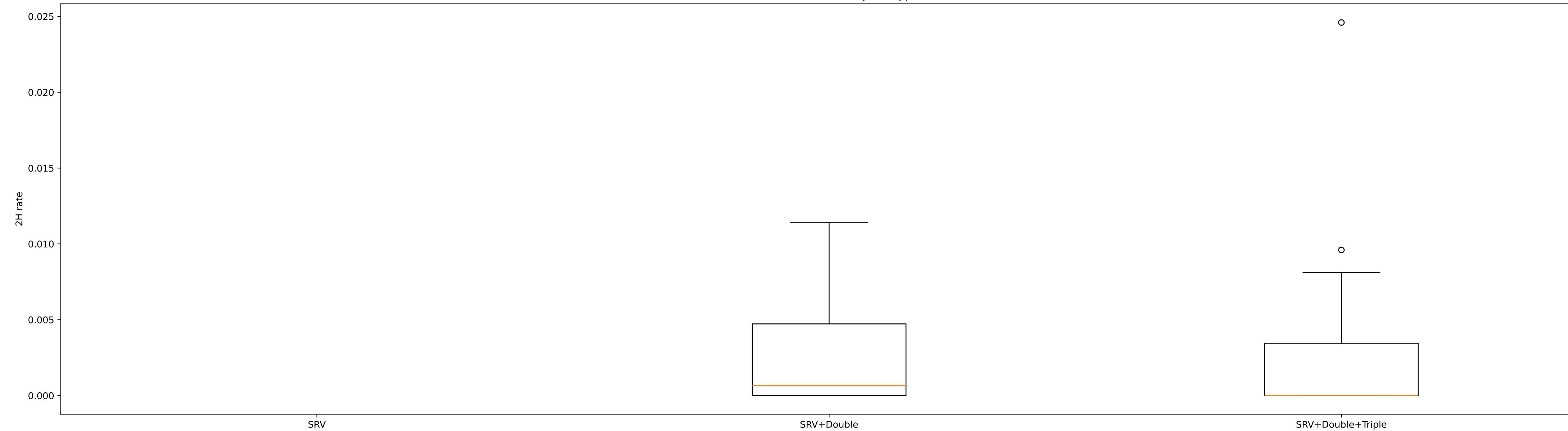
K (alternative) by run type



RELAX LRT p-values by run type



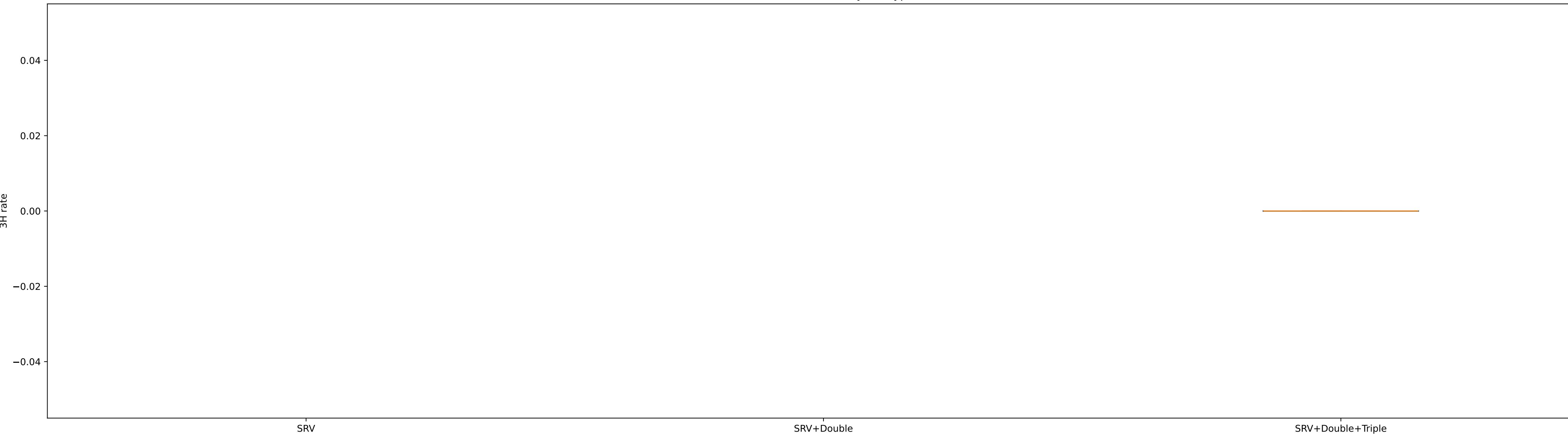
2H rates (reference) by run type



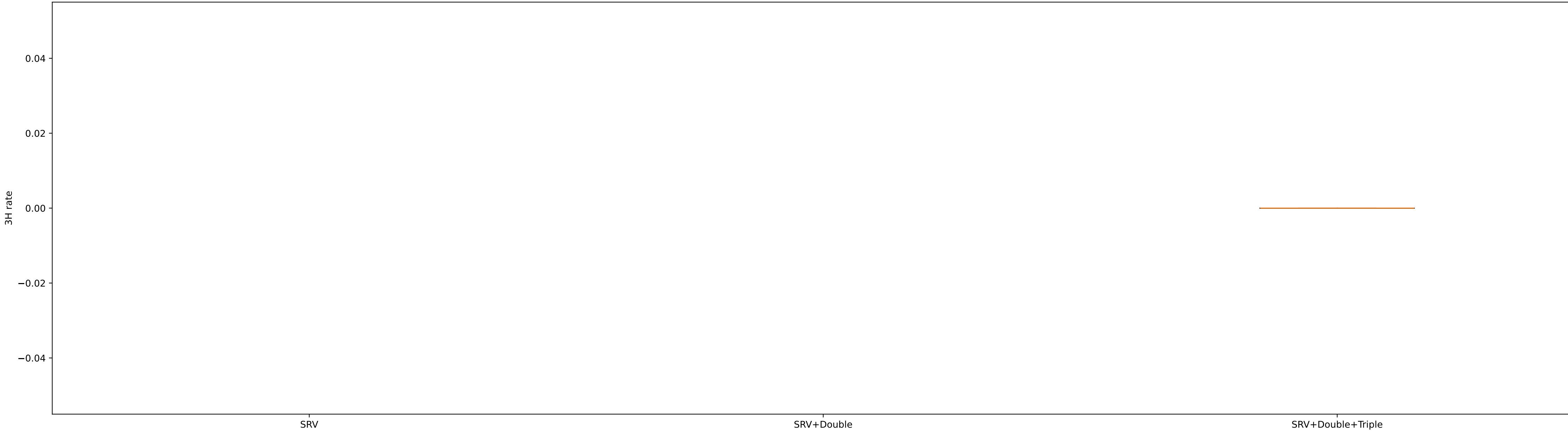
2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.0388	1.66	0.1813	0.056
	2	0.0375	1.74	0.1813	0.056
	3	0.0376	1.74	0.1813	0.056
	4	0.037	1.73	0.1813	0.056
	5	0.0392	1.66	0.1813	0.056
	6	0.0372	1.74	0.1813	0.056
	7	0.037	1.72	0.1813	0.056
	8	0.0376	1.74	0.1813	0.056
	9	0.037	1.72	0.1813	0.056
	10	0.0369	1.74	0.1813	0.056

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.0378	1.74	0.1813	0.056
	2	0.0371	1.75	0.1814	0.056
	3	0.0376	1.74	0.1813	0.056
	4	0.8998	1.52	0.1813	0.056
	5	0.0373	1.76	0.1813	0.056
	6	0.0383	1.73	0.1813	0.056
	7	0.0381	1.67	0.1813	0.056
	8	0.0382	1.72	0.1813	0.056
	9	0.0383	1.66	0.1813	0.056
	10	0.0371	1.74	0.1813	0.056

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.0367	1.8	0.1813	0.0559
	2	0.0368	1.8	0.1813	0.056
	3	0.0376	1.7	0.1813	0.0559
	4	0.038	1.71	0.1813	0.056
	5	0.0378	1.74	0.1813	0.056
	6	0.0373	1.74	0.1813	0.056
	7	0.0371	1.75	0.1813	0.056
	8	0.0371	1.76	0.1813	0.056
	9	0.037	1.76	0.1813	0.056
	10	0.0366	1.81	0.1813	0.056

	test	Negative selection	0.017	5.5	SRV+Double
	test	Negative selection	0.057	94.5	SRV+Double
	test	Negative selection	0.151	94.5	SRV+Double
	test	Negative selection	0.587	5.5	SRV+Double
	reference	Diversifying selection	Ω-class distributions (all) (cols 1-7/7)		
	reference	Negative selection	0.089	61.139	SRV+Double
	reference	Negative selection	0.312	38.861	SRV+Double
	test	Diversifying selection	1.371	0.0	SRV+Double
	test	Negative selection	0.089	61.139	SRV+Double
	test	Negative selection	0.312	38.861	SRV+Double
	reference	Diversifying selection	1.023	0.0	SRV+Double
	reference	Negative selection	0.147	92.725	SRV+Double
	reference	Negative selection	0.53	7.275	SRV+Double
	test	Diversifying selection	1.041	0.0	SRV+Double
	test	Diversifying selection	1.023	0.0	SRV+Double
	test	Negative selection	0.034	92.725	SRV+Double
	test	Negative selection	0.326	7.275	SRV+Double
	test	Negative selection	0.147	92.725	SRV+Double
	test	Negative selection	0.53	7.275	SRV+Double
	reference	Diversifying selection	1.006	0.0	SRV+Double
	reference	Negative selection	0.144	92.193	SRV+Double
	reference	Negative selection	0.458	7.807	SRV+Double
	test	Diversifying selection	1.006	0.0	SRV+Double
	test	Negative selection	0.144	92.193	SRV+Double
	test	Negative selection	0.458	7.807	SRV+Double
	reference	Negative selection	0.07	3.241	SRV+Double
	reference	Negative selection	0.168	95.539	SRV+Double
	reference	Neutral evolution	1.0	1.22	SRV+Double
	test	Negative selection	0.01	3.241	SRV+Double
	test	Negative selection	0.045	95.539	SRV+Double
	test	Negative selection	0.07	3.241	SRV+Double
	test	Negative selection	0.168	95.539	SRV+Double
	test	Neutral evolution	1.0	1.22	SRV+Double
	test	Neutral evolution	1.0	1.22	SRV+Double
	reference	Negative selection	0.166	99.32	SRV+Double
	reference	Negative selection	0.254	0.588	SRV+Double
	reference	Neutral evolution	1.0	0.092	SRV+Double
	test	Negative selection	0.166	99.32	SRV+Double
	test	Negative selection	0.254	0.588	SRV+Double
	test	Neutral evolution	1.0	0.092	SRV+Double
	reference	Diversifying selection	11.577	0.0	SRV+Double
	reference	Negative selection	0.16	78.489	SRV+Double
	reference	Negative selection	0.225	21.511	SRV+Double
	test	Diversifying selection	59.378	0.0	SRV+Double
	test	Diversifying selection	11.577	0.0	SRV+Double
	test	Negative selection	0.047	78.489	SRV+Double
	test	Negative selection	0.083	21.511	SRV+Double
	test	Negative selection	0.16	78.489	SRV+Double
	test	Negative selection	12	21.511	SRV+Double
	test	Diversifying selection	0.225	0.0	SRV+Double
	reference	Negative selection	1.841	0.0	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	1	0.284	30.81	SRV	
	2	0.455	26.289	SRV	
	3	1.848	42.901	SRV	
	1	0.262	29.869	SRV	
	2	0.487	27.595	SRV	
	3	1.851	42.536	SRV	
	1	0.31	49.76	SRV	
	2	1.001	12.029	SRV	
	3	1.898	38.211	SRV	
SRV	1	0.319	45.21	SRV	
	2	0.51	11.504	SRV	
	3	1.841	43.286	SRV	
	1	0.265	22.785	SRV	
	2	0.422	34.019	SRV	
	3	1.843	43.196	SRV	
	1	0.277	27.102	SRV	
	2	0.433	29.648	SRV	
	3	1.842	43.25	SRV	
SRV	1	0.227	25.999	SRV	
	2	0.511	32.552	SRV	
	3	1.868	41.449	SRV	
	1	0.274	29.814	SRV	
	2	0.463	27.309	SRV	
	3	1.847	42.877	SRV	
	1	0.262	24.584	SRV	
	2	0.438	32.446	SRV	
	3	1.846	42.97	SRV	
SRV	1	0.29	32.18	SRV	
	2	0.45	24.684	SRV	
	3	1.844	43.136	SRV	

