

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

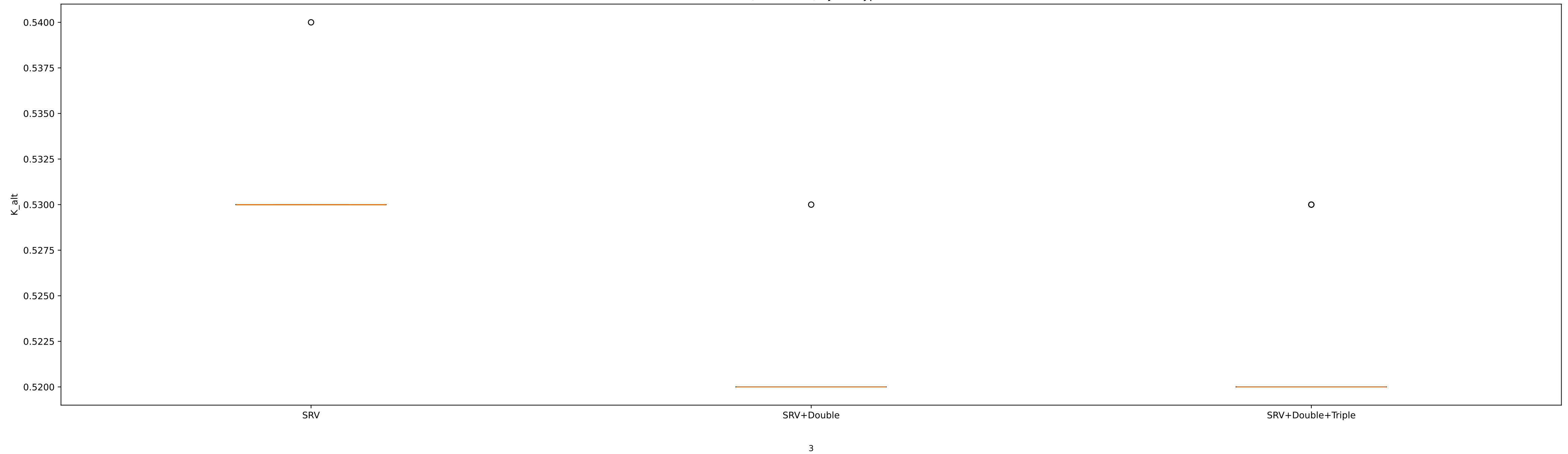
Includes:

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

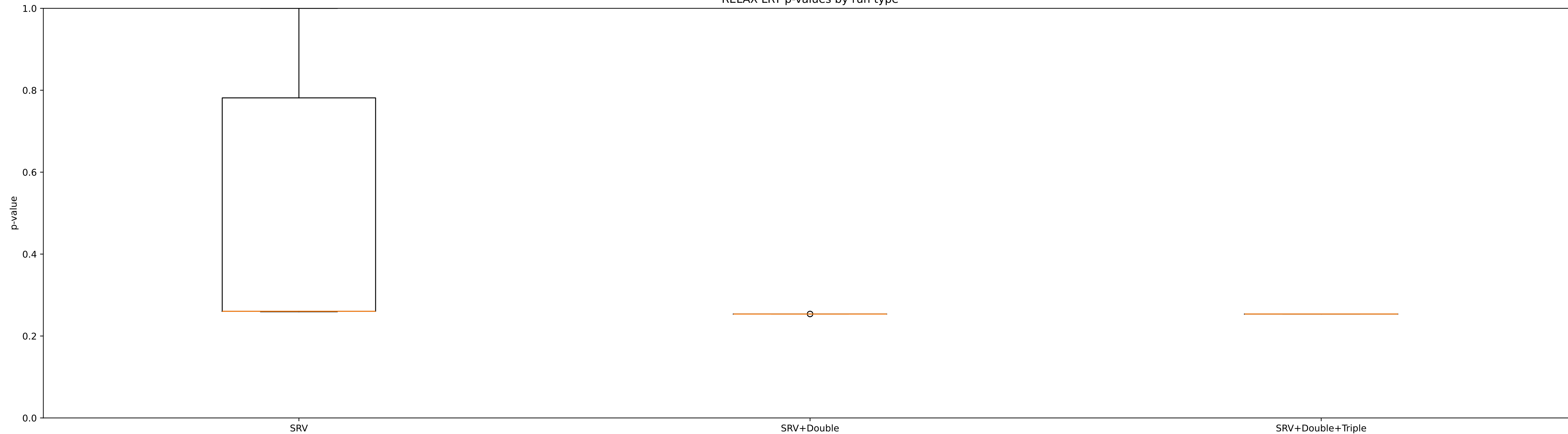
Run-type summary statistics

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
0.2603	0.2593	1.0	0.53	0.53	0.54	0.3683	0.5763	10	nan	nan
0.2536	0.2535	0.2538	0.52	0.52	0.53	0.3683	0.5763	10	0.0	0.0411
0.2537	0.2535	0.2538	0.52	0.52	0.53	0.3683	0.5763	9	0.0	0.0412

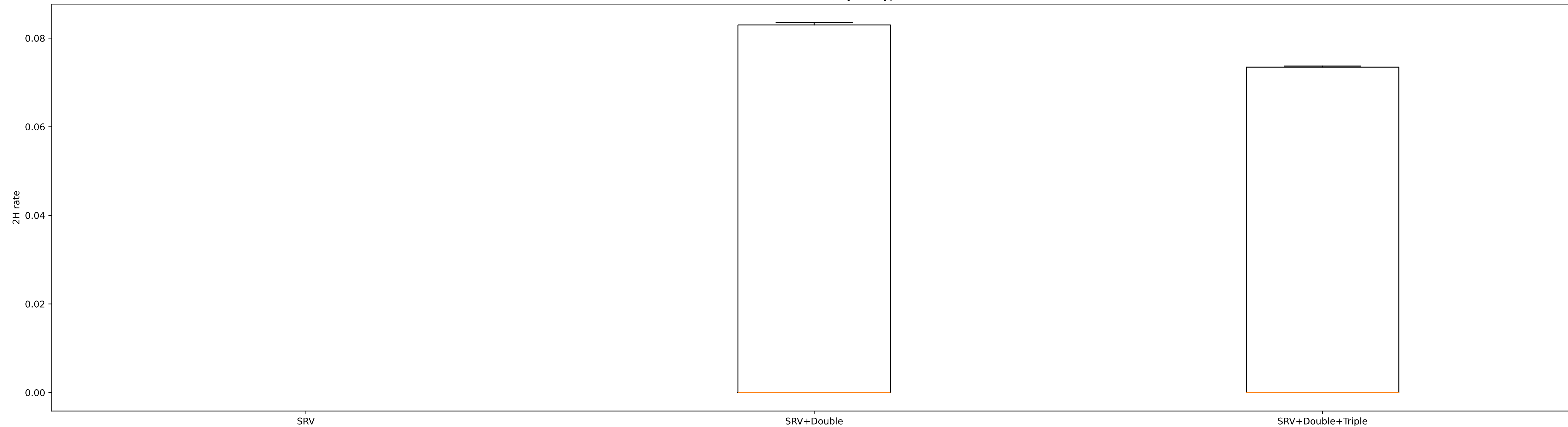
K (alternative) by run type

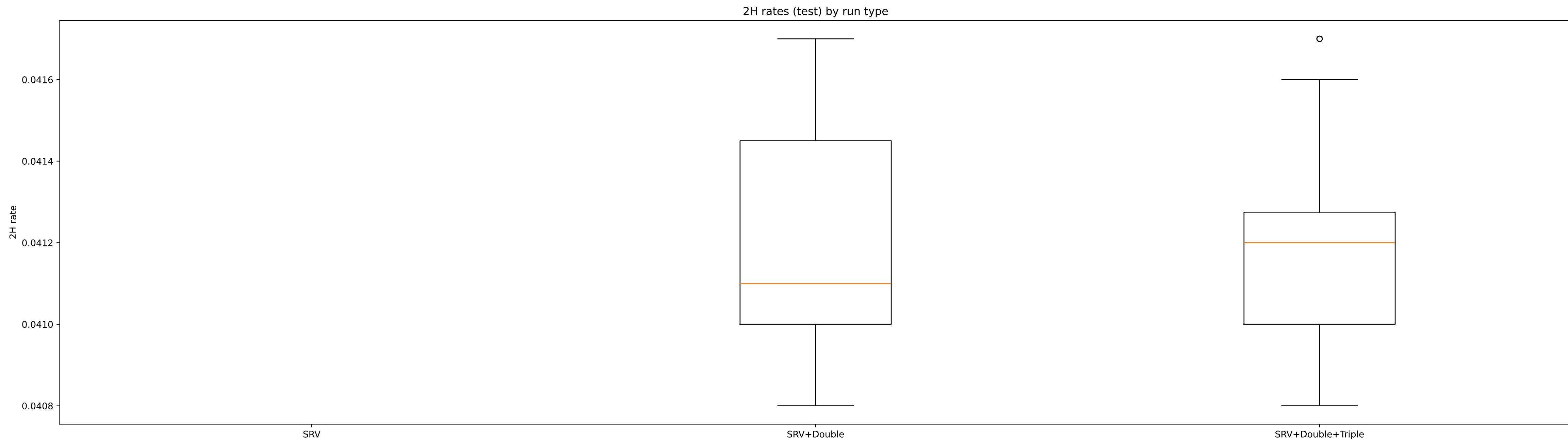


RELAX LRT p-values by run type



2H rates (reference) by run type

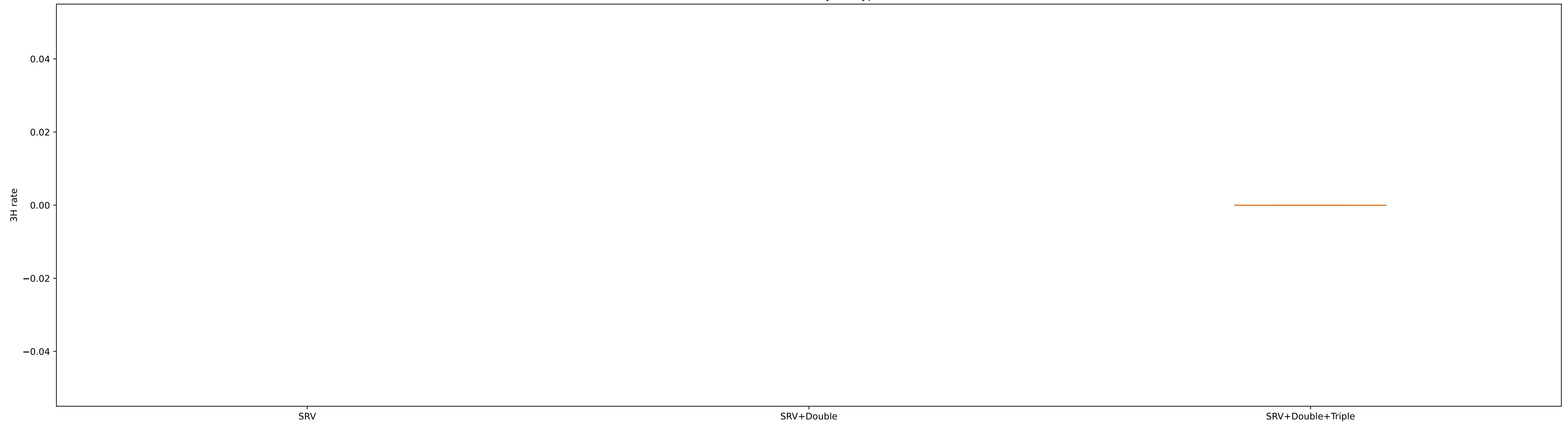




3H rates (reference) by run type



3H rates (test) by run type



	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.955	0.53	0.3683	0.5763	
	2	0.2602	0.54	0.3683	0.5763	
	3	1.0	0.53	0.3683	0.5763	
	4	0.9798	0.53	0.3683	0.5763	
	5	0.2593	0.53	0.3683	0.5763	
	6	0.2604	0.53	0.3683	0.5763	
	7	0.2603	0.53	0.3683	0.5763	
	8	0.2603	0.53	0.3683	0.5763	
	9	0.2605	0.53	0.3683	0.5763	
	10	0.26	0.53	0.3683	0.5763	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2537	0.52	0.3683	0.5763	
	2	0.2536	0.52	0.3683	0.5763	
	3	0.2536	0.52	0.3683	0.5763	
	4	0.2536	0.52	0.3683	0.5763	
	5	0.2537	0.52	0.3683	0.5763	
	6	0.2536	0.52	0.3683	0.5763	
	7	0.2536	0.52	0.3683	0.5763	
	8	0.2536	0.52	0.3683	0.5763	
	9	0.2538	0.53	0.3683	0.5763	
	10	0.2535	0.52	0.3683	0.5763	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2536	0.52	0.3683	0.5763	
	2	0.2535	0.52	0.3683	0.5763	
	3	0.2537	0.52	0.3683	0.5763	
	4	0.2535	0.52	0.3683	0.5763	
	5	0.2535	0.52	0.3683	0.5763	
	6	0.2537	0.52	0.3683	0.5763	
	7	0.2538	0.53	0.3683	0.5763	
	8	0.2537	0.53	0.3683	0.5763	
	9	0.2538	0.52	0.3683	0.5763	
	10	nan	nan	nan	nan	

	test	Negative selection	0.035	0.0	SRV+Double	
	test	Negative selection	0.397	100.0	SRV+Double	
	reference	Diversifying selection	1.26	0.0	SRV+Double	
	reference	Negative selection	0.001	0.0	SRV+Double	
	reference	Negative selection	0.364	100.0	SRV+Double	
	test	Diversifying selection	1.128	0.0	SRV+Double	
	test	Diversifying selection	1.26	0.0	SRV+Double	
	test	Negative selection	0.025	0.0	SRV+Double	
	test	Negative selection	0.589	100.0	SRV+Double	
	test	Negative selection	0.001	0.0	SRV+Double	
	test	Negative selection	0.364	100.0	SRV+Double	
	reference	Diversifying selection	2.297	0.0	SRV+Double	
	reference	Negative selection	0.002	0.0	SRV+Double	
	reference	Negative selection	0.398	100.0	SRV+Double	
	test	Diversifying selection	2.297	0.0	SRV+Double	
	test	Negative selection	0.002	0.0	SRV+Double	
	test	Negative selection	0.398	100.0	SRV+Double	
	reference	Diversifying selection	1.006	0.0	SRV+Double	
	reference	Negative selection	0.014	0.0	SRV+Double	
	reference	Negative selection	0.364	100.0	SRV+Double	
	test	Diversifying selection	1.003	0.0	SRV+Double	
	test	Diversifying selection	1.006	0.0	SRV+Double	
	test	Negative selection	0.109	0.0	SRV+Double	
	test	Negative selection	0.591	100.0	SRV+Double	
	test	Negative selection	0.014	0.0	SRV+Double	
	test	Negative selection	0.364	100.0	SRV+Double	
	reference	Diversifying selection	1.751	0.0	SRV+Double	
	reference	Negative selection	0.01	0.0	SRV+Double	
	reference	Negative selection	0.397	100.0	SRV+Double	
	test	Diversifying selection	1.751	0.0	SRV+Double	
	test	Negative selection	0.01	0.0	SRV+Double	
	test	Negative selection	0.397	100.0	SRV+Double	
	reference	Diversifying selection	1.166	0.0	SRV+Double	
	reference	Negative selection	0.001	0.0	SRV+Double	
	reference	Negative selection	0.363	100.0	SRV+Double	
	test	Diversifying selection	1.083	0.0	SRV+Double	
	test	Diversifying selection	1.166	0.0	SRV+Double	
	test	Negative selection	0.025	0.0	SRV+Double	
	test	Negative selection	0.59	100.0	SRV+Double	
	test	Negative selection	0.001	0.0	SRV+Double	
	test	Negative selection	0.363	100.0	SRV+Double	
	reference	Diversifying selection	2.055	0.0	SRV+Double	
	reference	Negative selection	0.002	0.0	SRV+Double	
	reference	Negative selection	0.398	100.0	SRV+Double	
	test	Diversifying selection	2.055	0.0	SRV+Double	
	test	Negative selection	0.002	0.0	SRV+Double	
	test	Negative selection	0.398	100.0	SRV+Double	
	reference	Diversifying selection	1.128	0.0	SRV+Double	
	reference	Negative selection	0.001	0.0	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.779	13.859	SRV	
	2	0.784	82.337	SRV	
	3	6.471	3.804	SRV	
	1	0.53	0.0	SRV	
	2	0.786	96.272	SRV	
	3	6.526	3.728	SRV	
	1	0.783	13.423	SRV	
	2	0.784	82.781	SRV	
	3	6.483	3.796	SRV	
	1	0.781	11.359	SRV	
	2	0.784	84.835	SRV	
	3	6.476	3.805	SRV	
	1	0.783	17.813	SRV	
	2	0.786	78.44	SRV	
	3	6.512	3.746	SRV	
	1	0.786	95.179	SRV	
	2	0.787	1.088	SRV	
	3	6.519	3.733	SRV	
	1	0.786	20.987	SRV	
	2	0.786	75.281	SRV	
	3	6.522	3.732	SRV	
	1	0.784	12.269	SRV	
	2	0.786	83.986	SRV	
	3	6.509	3.745	SRV	
	1	0.786	21.136	SRV	
	2	0.786	75.13	SRV	
	3	6.519	3.734	SRV	
	1	0.786	96.268	SRV	
	2	0.854	0.0	SRV	
	3	6.518	3.732	SRV	

	test	2H	0.0408	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0416	SRV+Double	
	test	2H	0.041	SRV+Double	
	reference	2H	0.0833	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.041	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0413	SRV+Double	
	test	2H	0.0409	SRV+Double	
	reference	2H	0.0733	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0412	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0416	SRV+Double+Triple	
	test	2H	0.0411	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0737	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0412	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0408	SRV+Double+Triple	
	test	2H	0.041	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0736	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0411	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0412	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0736	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0412	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0416	SRV+Double+Triple	
	test	2H	0.0411	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	