

# RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

Includes:

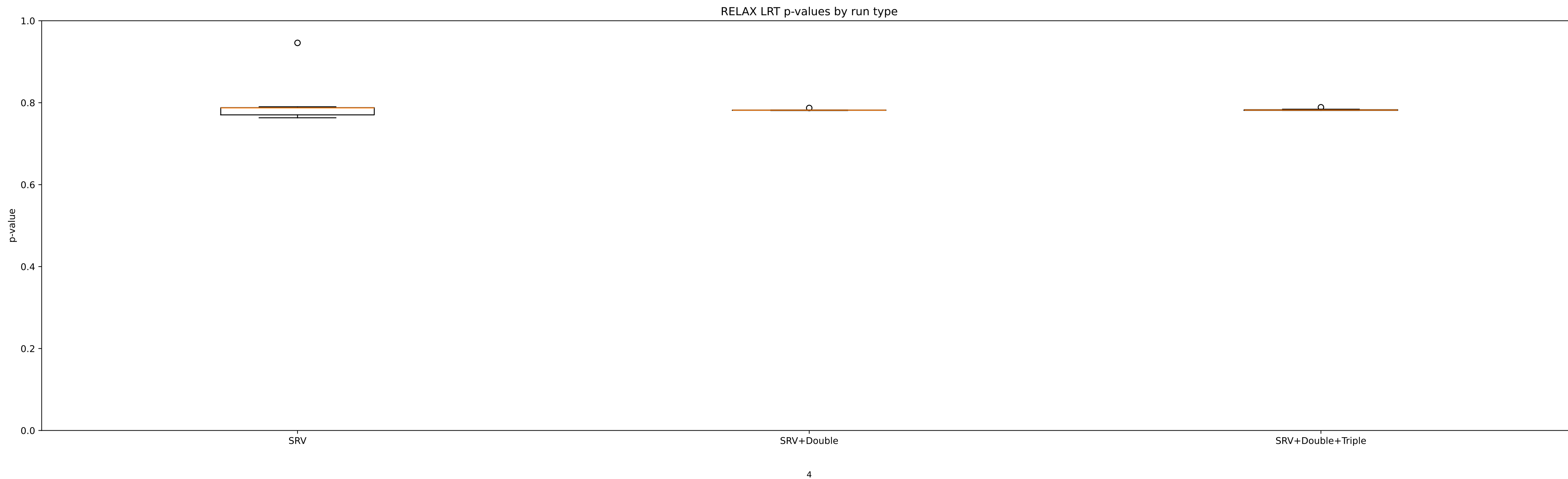
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

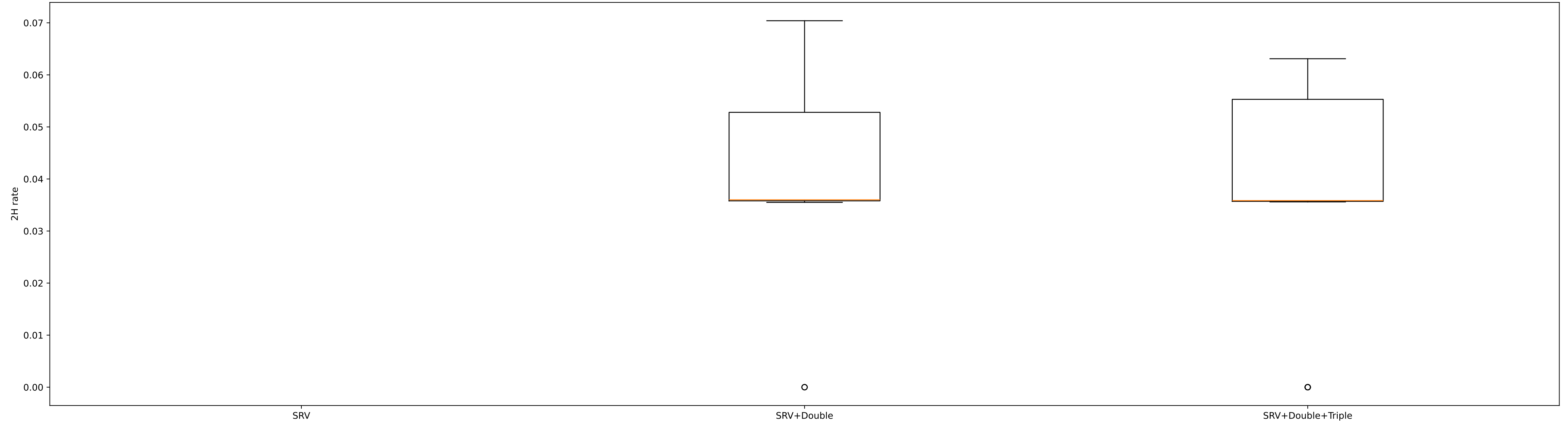
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.7872	0.7632	0.946	1.06	1.06	1.07	0.1862	0.1691	10	nan	nan
0.7817	0.7809	0.7871	1.06	1.06	1.06	0.1862	0.1691	10	0.036	0.0
0.782	0.7811	0.7888	1.06	1.06	1.06	0.1862	0.1691	10	0.0358	0.0

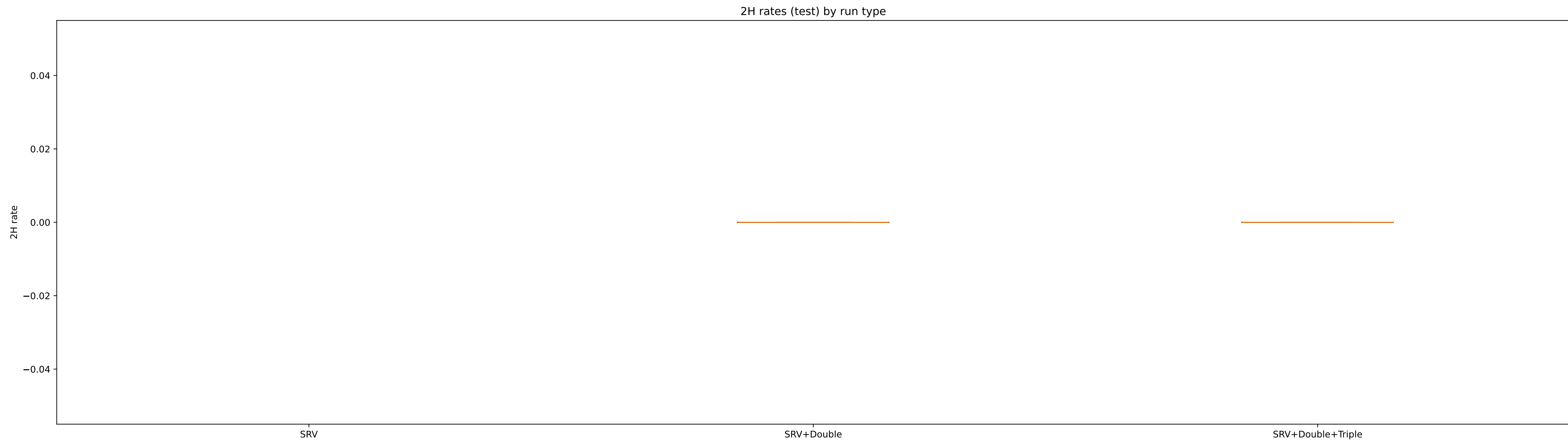
K (alternative) by run type



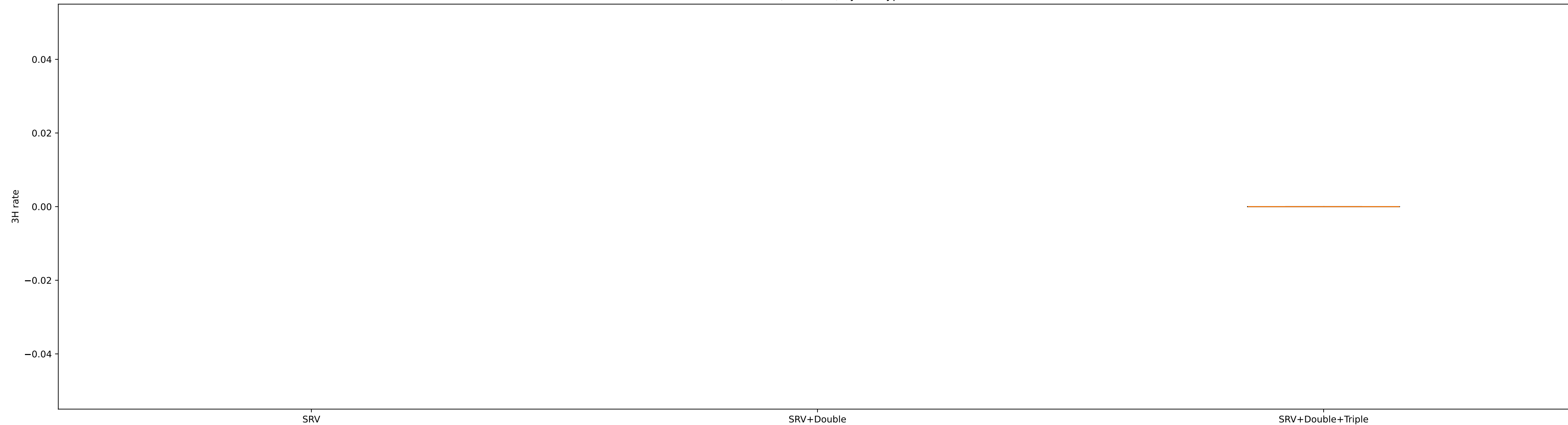


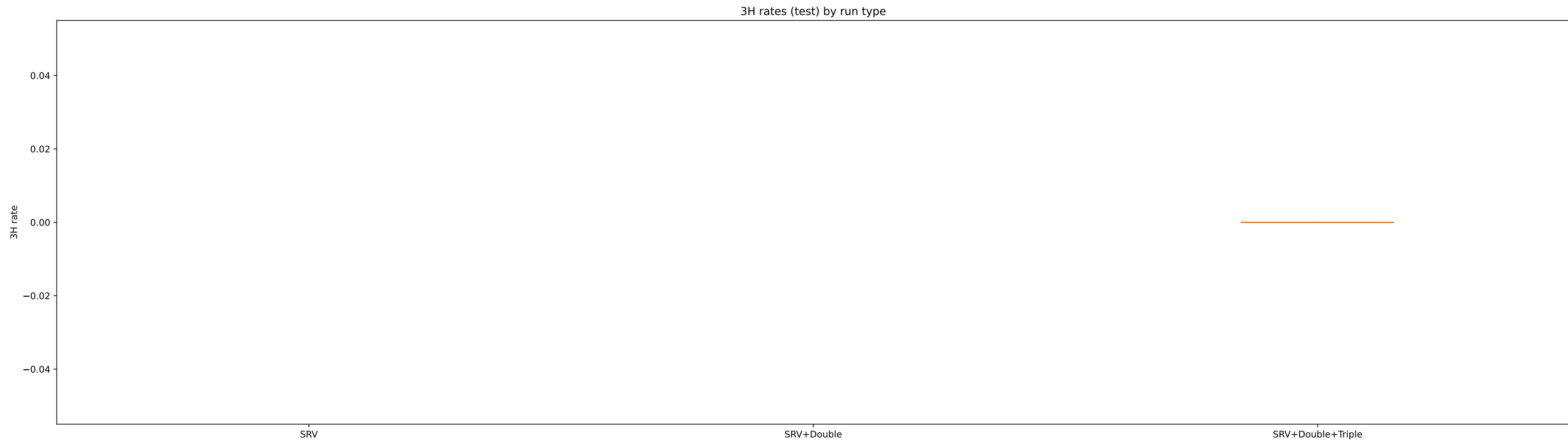
2H rates (reference) by run type





3H rates (reference) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7879	1.06	0.1862	0.1691	
	2	0.946	1.06	0.1862	0.1691	
	3	0.7873	1.06	0.1862	0.1691	
	4	0.7642	1.07	0.1862	0.1691	
	5	0.7647	1.06	0.1862	0.1691	
	6	0.7632	1.07	0.1862	0.1691	
	7	0.7871	1.06	0.1862	0.1691	
	8	0.787	1.06	0.1862	0.1691	
	9	0.79	1.06	0.1863	0.1693	
	10	0.7876	1.06	0.1862	0.1691	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7819	1.06	0.1862	0.1691	
	2	0.7819	1.06	0.1862	0.1691	
	3	0.7822	1.06	0.1862	0.1691	
	4	0.7816	1.06	0.1863	0.1693	
	5	0.7814	1.06	0.1862	0.1691	
	6	0.7816	1.06	0.1862	0.1691	
	7	0.782	1.06	0.1862	0.1691	
	8	0.7809	1.06	0.1863	0.1693	
	9	0.7815	1.06	0.1862	0.1691	
	10	0.7871	1.06	0.1862	0.1691	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.782	1.06	0.1862	0.1691	
	2	0.783	1.06	0.1862	0.1691	
	3	0.7888	1.06	0.1863	0.1693	
	4	0.782	1.06	0.1862	0.1691	
	5	0.7823	1.06	0.1862	0.1691	
	6	0.7811	1.06	0.1862	0.1691	
	7	0.7841	1.06	0.1862	0.1691	
	8	0.7813	1.06	0.1862	0.1691	
	9	0.7812	1.06	0.1862	0.1691	
	10	0.7813	1.06	0.1862	0.1691	

	test	Negative selection	0.021	0.0	SRV+Double	
	test	Negative selection	0.159	100.0	SRV+Double	
	test	Negative selection	0.027	0.0	SRV+Double	
	test	Negative selection	0.177	100.0	SRV+Double	
	reference	Diversifying selection	0.021	0.0	SRV+Double	
	reference	Negative selection	0.021	0.0	SRV+Double	
	reference	Negative selection	0.172	100.0	SRV+Double	
	test	Diversifying selection	2.334	0.0	SRV+Double	
	test	Negative selection	0.021	0.0	SRV+Double	
	test	Negative selection	0.172	100.0	SRV+Double	
	reference	Diversifying selection	1.095	0.0	SRV+Double	
	reference	Negative selection	0.067	0.0	SRV+Double	
	reference	Negative selection	0.176	100.0	SRV+Double	
	test	Diversifying selection	1.102	0.0	SRV+Double	
	test	Diversifying selection	1.095	0.0	SRV+Double	
	test	Negative selection	0.057	0.0	SRV+Double	
	test	Negative selection	0.159	100.0	SRV+Double	
	test	Negative selection	0.067	0.0	SRV+Double	
	test	Negative selection	0.176	100.0	SRV+Double	
	reference	Diversifying selection	2.386	0.0	SRV+Double	
	reference	Negative selection	0.053	0.0	SRV+Double	
	reference	Negative selection	0.172	100.0	SRV+Double	
	test	Diversifying selection	2.386	0.0	SRV+Double	
	test	Negative selection	0.053	0.0	SRV+Double	
	test	Negative selection	0.172	100.0	SRV+Double	
	reference	Diversifying selection	1.146	0.0	SRV+Double	
	reference	Negative selection	0.0	0.0	SRV+Double	
	reference	Negative selection	0.176	100.0	SRV+Double	
	test	Diversifying selection	1.155	0.0	SRV+Double	
	test	Diversifying selection	1.146	0.0	SRV+Double	
	test	Negative selection	0.0	0.0	SRV+Double	
	test	Negative selection	0.159	100.0	SRV+Double	
	test	Negative selection	0.0	0.0	SRV+Double	
	test	Negative selection	0.176	100.0	SRV+Double	
	reference	Diversifying selection	2.363	0.0	SRV+Double	
	reference	Negative selection	0.002	0.0	SRV+Double	
	reference	Negative selection	0.172	100.0	SRV+Double	
	test	Diversifying selection	2.363	0.0	SRV+Double	
	test	Negative selection	0.002	0.0	SRV+Double	
	test	Negative selection	0.172	100.0	SRV+Double	
	reference	Diversifying selection	1.085	0.0	SRV+Double	
	reference	Negative selection	0.067	0.0	SRV+Double	
	reference	Negative selection	0.177	100.0	SRV+Double	
	test	Diversifying selection	1.091	0.0	SRV+Double	
	test	Diversifying selection	1.085	0.0	SRV+Double	
	test	Negative selection	0.057	0.0	SRV+Double	
	test	Negative selection	0.159	100.0	SRV+Double	
	test	Negative selection	0.067	0.0	SRV+Double	
	test	Negative selection	12 0.177	100.0	SRV+Double	
	reference	Diversifying selection	2.219	0.0	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.001	15.222	SRV	
	2	0.001	28.693	SRV	
	3	1.782	56.086	SRV	
	1	0.0	34.331	SRV	
	2	0.0	10.503	SRV	
	3	1.813	55.166	SRV	
	1	0.002	15.412	SRV	
	2	0.002	28.506	SRV	
	3	1.782	56.082	SRV	
	1	0.0	3.122	SRV	
	2	0.0	41.669	SRV	
	3	1.811	55.209	SRV	
	1	0.0	12.241	SRV	
	2	0.0	32.561	SRV	
	3	1.812	55.198	SRV	
	1	0.0	32.246	SRV	
	2	0.0	12.541	SRV	
	3	1.811	55.214	SRV	
	1	0.0	30.866	SRV	
	2	0.0	12.248	SRV	
	3	1.758	56.886	SRV	
	1	0.001	32.767	SRV	
	2	0.001	11.121	SRV	
	3	1.781	56.111	SRV	
	1	0.0	10.565	SRV	
	2	0.0	33.298	SRV	
	3	1.781	56.138	SRV	
	1	0.001	11.312	SRV	
	2	0.001	32.605	SRV	
	3	1.782	56.083	SRV	

	reference	2H	0.068	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0615	SRV+Double+Triple	
	reference	2H	0.0356	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0376	SRV+Double+Triple	
	reference	2H	0.0356	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.062	SRV+Double+Triple	
	reference	2H	0.0358	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0376	SRV+Double+Triple	
	reference	2H	0.0356	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0624	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	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	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0623	SRV+Double+Triple	
	reference	2H	0.0358	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0373	SRV+Double+Triple	
	reference	2H	0.0357	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0625	SRV+Double+Triple	
	reference	2H	0.0357	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	