

# RELAX Combined Report

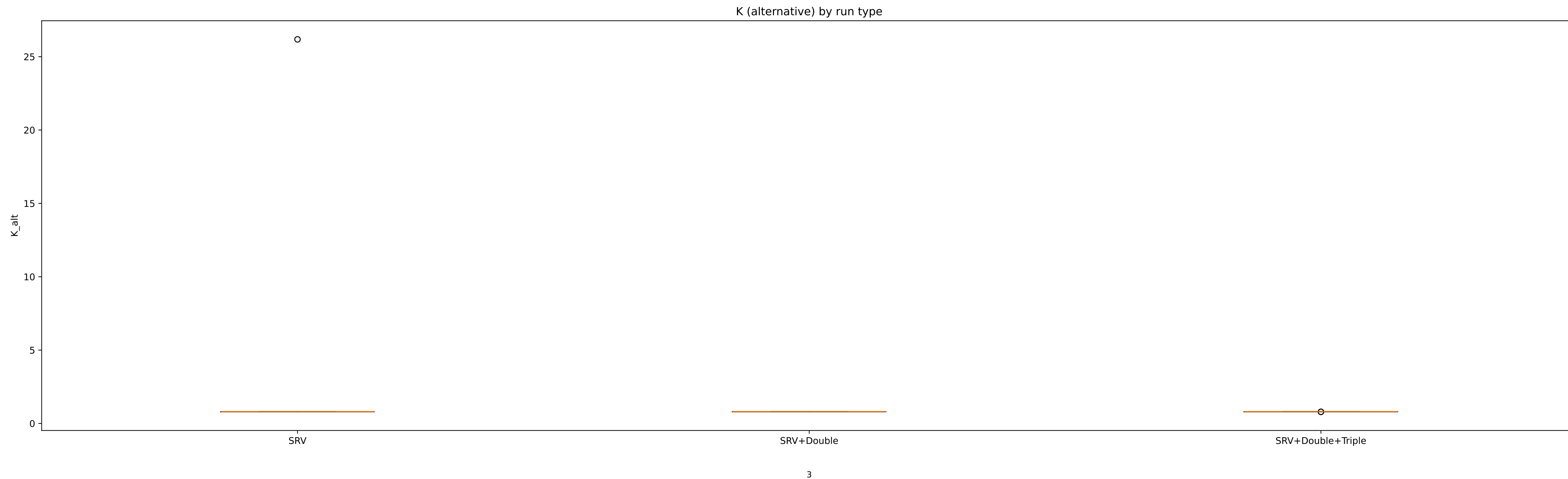
SRV vs SRV+Double vs SRV+Double+Triple

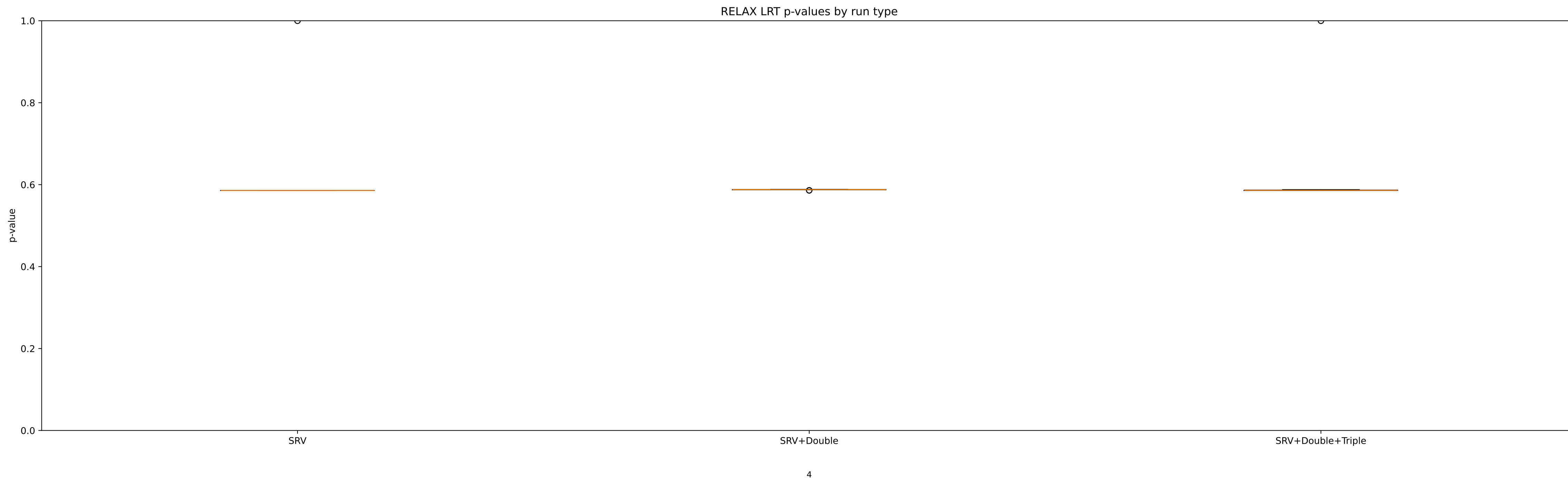
Includes:

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

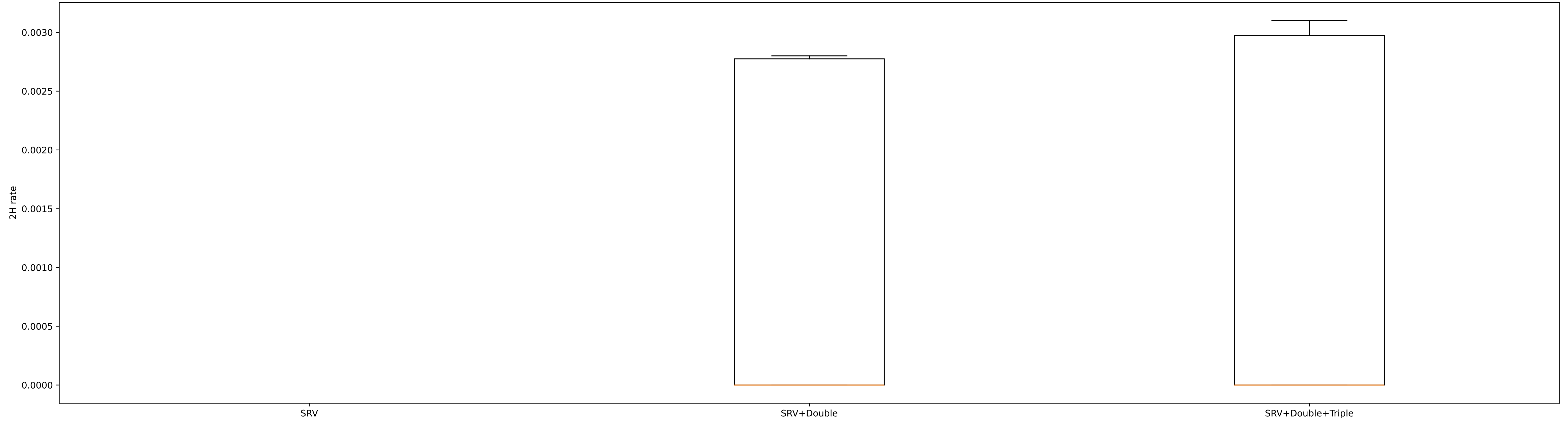
Run-type summary statistics

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
0.5857	0.5856	1.0	0.8	0.8	26.18	0.2292	0.3058	10	nan	nan
0.5877	0.586	0.5882	0.8	0.8	0.8	0.2292	0.3058	10	0.0	0.0
0.586	0.5857	1.0	0.8	0.79	0.8	0.2292	0.3058	10	0.0	0.0





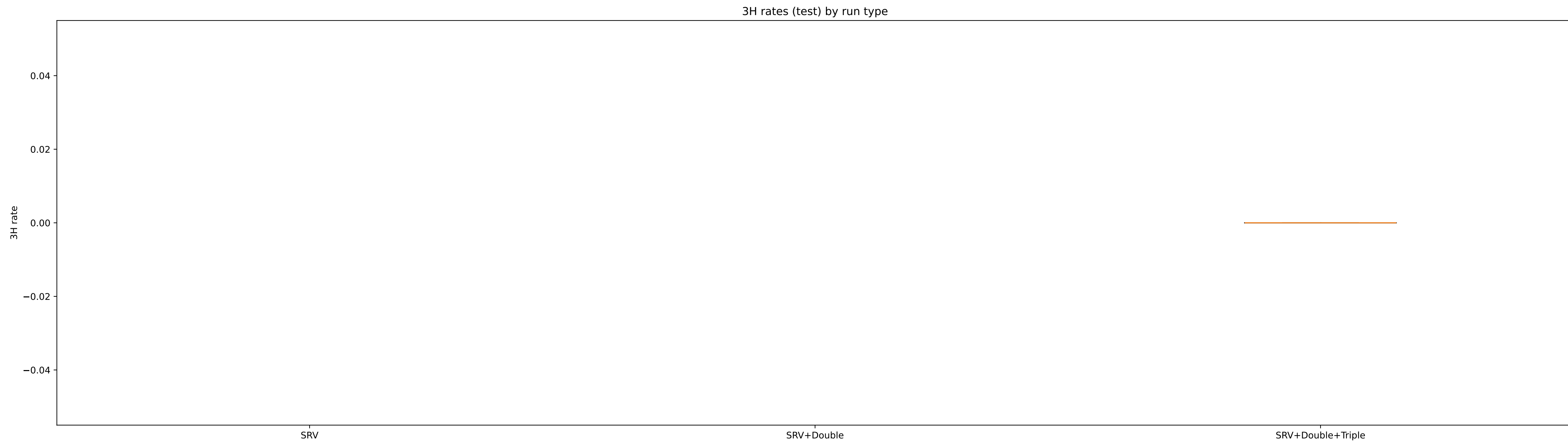
2H rates (reference) by run type





3H rates (reference) by run type







	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.5857	0.8	0.2292	0.3058	
	2	0.5857	0.8	0.2292	0.3058	
	3	0.5856	0.8	0.2292	0.3058	
	4	1.0	26.18	0.2292	0.3058	
	5	0.5858	0.8	0.2292	0.3058	
	6	0.5857	0.8	0.2292	0.3058	
	7	0.5859	0.8	0.2292	0.3058	
	8	0.5858	0.8	0.2292	0.3058	
	9	0.5857	0.8	0.2292	0.3058	
	10	0.5857	0.8	0.2292	0.3058	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.5874	0.8	0.2292	0.3058	
	2	0.5882	0.8	0.2292	0.3058	
	3	0.586	0.8	0.2292	0.3058	
	4	0.5879	0.8	0.2292	0.3058	
	5	0.5881	0.8	0.2292	0.3058	
	6	0.5861	0.8	0.2292	0.3058	
	7	0.5875	0.8	0.2292	0.3058	
	8	0.588	0.8	0.2292	0.3058	
	9	0.5877	0.8	0.2292	0.3058	
	10	0.5877	0.8	0.2292	0.3058	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.5857	0.8	0.2292	0.3058	
	2	0.5862	0.8	0.2292	0.3058	
	3	0.5867	0.8	0.2292	0.3058	
	4	0.586	0.79	0.2292	0.3058	
	5	0.5857	0.8	0.2292	0.3058	
	6	0.5877	0.8	0.2292	0.3058	
	7	0.5857	0.8	0.2292	0.3058	
	8	0.5859	0.8	0.2292	0.3058	
	9	1.0	0.79	0.2292	0.3058	
	10	0.586	0.8	0.2292	0.3058	

	test	Negative selection	0.264	25.462	SRV+Double	
	test	Negative selection	0.32	74.538	SRV+Double	
	test	Negative selection	0.188	25.462	SRV+Double	
	test	Negative selection	0.239	74.538	SRV+Double	
	reference	Diversifying selection	Ω-class distributions (all) (cols 1-7/7)		0.0	SRV+Double
	reference	Negative selection	0.207	23.197	SRV+Double	
	reference	Negative selection	0.239	76.803	SRV+Double	
	test	Diversifying selection	1.155	0.0	SRV+Double	
	test	Negative selection	0.207	23.197	SRV+Double	
	test	Negative selection	0.239	76.803	SRV+Double	
	reference	Diversifying selection	1.026	0.0	SRV+Double	
	reference	Negative selection	0.193	43.381	SRV+Double	
	reference	Negative selection	0.251	56.619	SRV+Double	
	test	Diversifying selection	1.02	0.0	SRV+Double	
	test	Diversifying selection	1.026	0.0	SRV+Double	
	test	Negative selection	0.27	43.381	SRV+Double	
	test	Negative selection	0.333	56.619	SRV+Double	
	test	Negative selection	0.193	43.381	SRV+Double	
	test	Negative selection	0.251	56.619	SRV+Double	
	reference	Diversifying selection	1.08	0.0	SRV+Double	
	reference	Negative selection	0.206	42.259	SRV+Double	
	reference	Negative selection	0.251	57.741	SRV+Double	
	test	Diversifying selection	1.08	0.0	SRV+Double	
	test	Negative selection	0.206	42.259	SRV+Double	
	test	Negative selection	0.251	57.741	SRV+Double	
	reference	Diversifying selection	1.019	0.0	SRV+Double	
	reference	Negative selection	0.204	2.524	SRV+Double	
	reference	Negative selection	0.227	97.476	SRV+Double	
	test	Diversifying selection	1.015	0.0	SRV+Double	
	test	Diversifying selection	1.019	0.0	SRV+Double	
	test	Negative selection	0.282	2.524	SRV+Double	
	test	Negative selection	0.306	97.476	SRV+Double	
	test	Negative selection	0.204	2.524	SRV+Double	
	test	Negative selection	0.227	97.476	SRV+Double	
	reference	Diversifying selection	1.176	0.0	SRV+Double	
	reference	Negative selection	0.229	7.964	SRV+Double	
	reference	Negative selection	0.232	92.036	SRV+Double	
	test	Diversifying selection	1.176	0.0	SRV+Double	
	test	Negative selection	0.229	7.964	SRV+Double	
	test	Negative selection	0.232	92.036	SRV+Double	
	reference	Diversifying selection	1.261	0.0	SRV+Double	
	reference	Negative selection	0.188	19.456	SRV+Double	
	reference	Negative selection	0.235	80.544	SRV+Double	
	test	Diversifying selection	1.203	0.0	SRV+Double	
	test	Diversifying selection	1.261	0.0	SRV+Double	
	test	Negative selection	0.265	19.456	SRV+Double	
	test	Negative selection	0.316	80.544	SRV+Double	
	test	Negative selection	0.188	19.456	SRV+Double	
	test	Negative selection	1.235	80.544	SRV+Double	
	reference	Diversifying selection	1.233	0.0	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	50.405	SRV	
	2	1.827	0.0	SRV	
	3	2.016	49.595	SRV	
	1	0.0	13.525	SRV	
	2	0.0	36.879	SRV	
	3	2.016	49.596	SRV	
	1	0.0	14.924	SRV	
	2	0.0	35.478	SRV	
	3	2.016	49.598	SRV	
	1	0.0	13.024	SRV	
	2	0.0	37.383	SRV	
	3	2.016	49.594	SRV	
	1	0.0	8.409	SRV	
	2	0.0	41.996	SRV	
	3	2.016	49.596	SRV	
	1	0.0	11.987	SRV	
	2	0.0	38.417	SRV	
	3	2.016	49.596	SRV	
	1	0.0	50.404	SRV	
	2	2.016	20.075	SRV	
	3	2.016	29.521	SRV	
	1	0.0	10.191	SRV	
	2	0.0	40.213	SRV	
	3	2.016	49.596	SRV	
	1	0.0	10.635	SRV	
	2	0.0	39.768	SRV	
	3	2.016	49.597	SRV	
	1	0.0	12.463	SRV	
	2	0.0	37.941	SRV	
	3	2.016	49.596	SRV	

	reference	2H	0.0028	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	0.003	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	0.0031	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	0.0031	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	0.0029	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	0.003	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	