

# RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

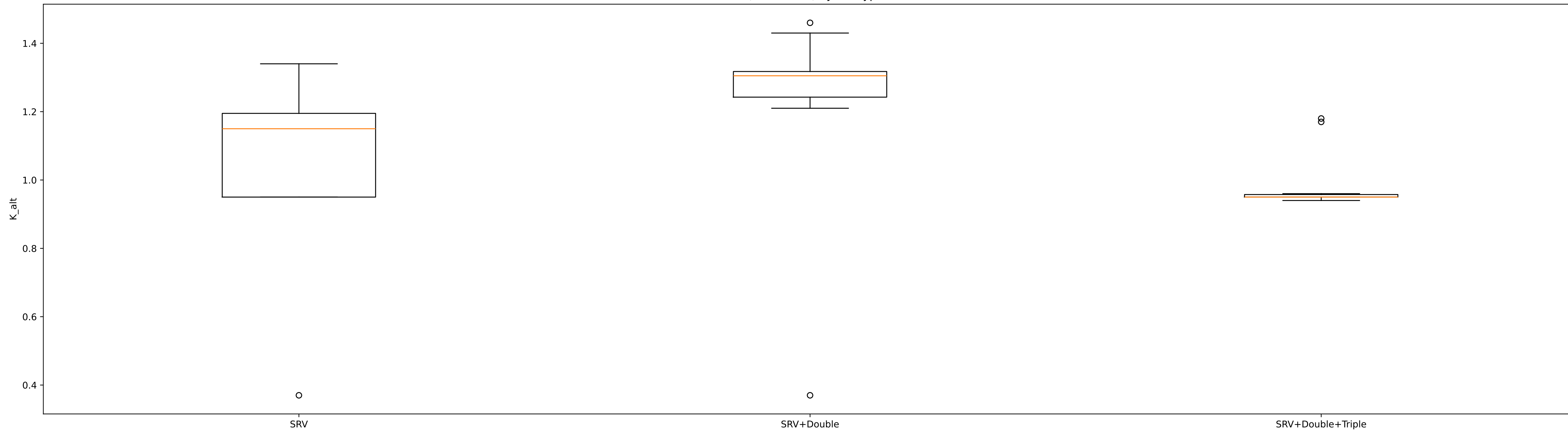
Includes:

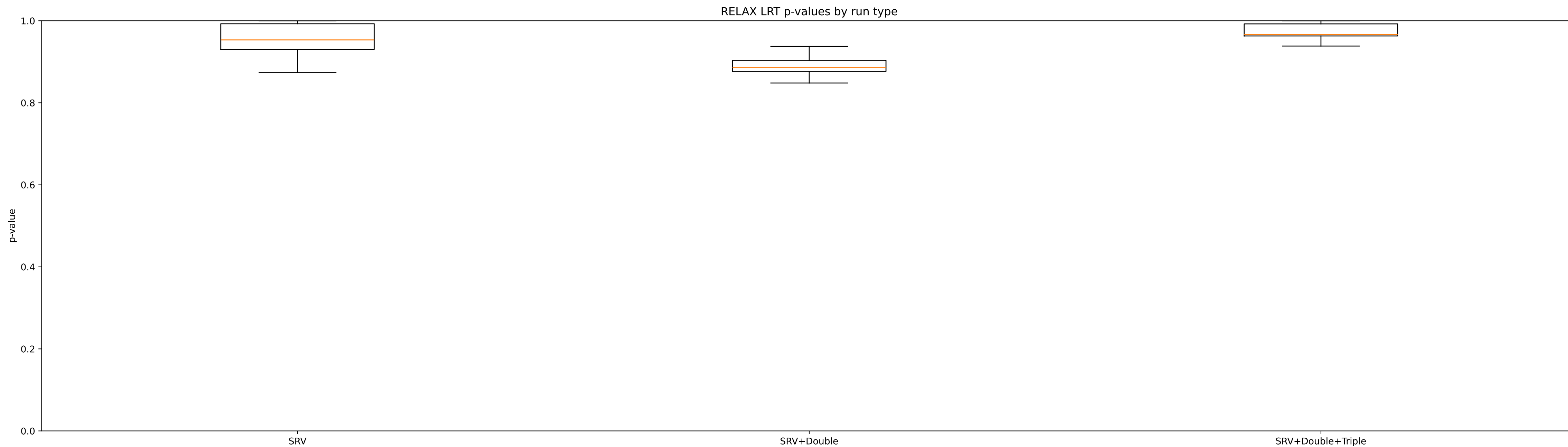
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

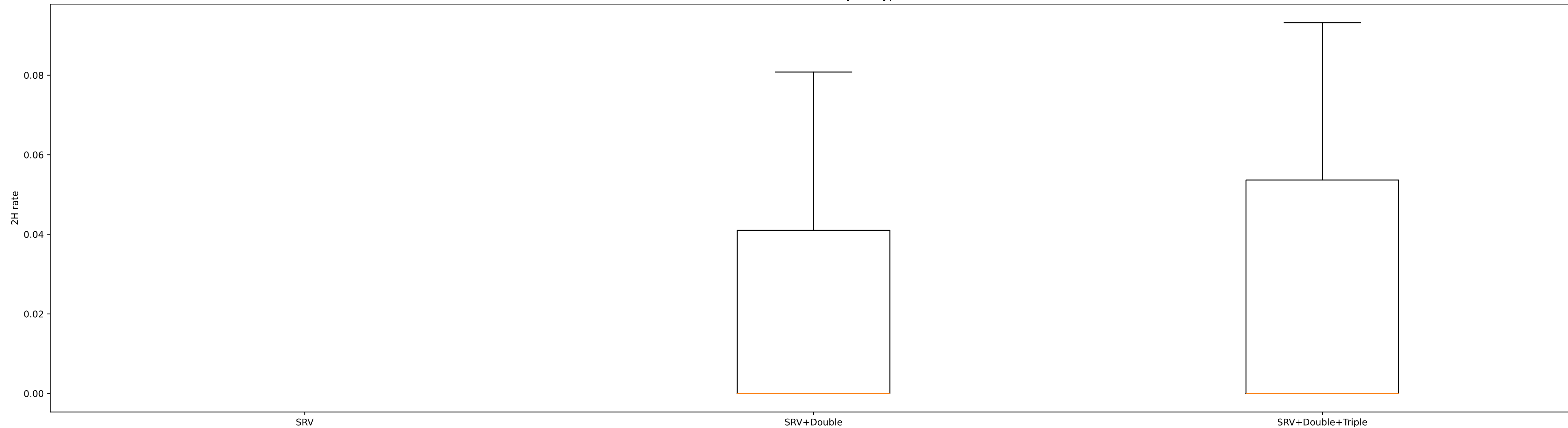
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.9534	0.8733	1.0	1.15	0.37	1.34	0.2716	0.256	10	nan	nan
0.8866	0.8483	0.9376	1.305	0.37	1.46	0.2716	0.256	10	0.0	0.0
0.9662	0.9384	1.0	0.95	0.94	1.18	0.2716	0.256	10	0.0	0.0

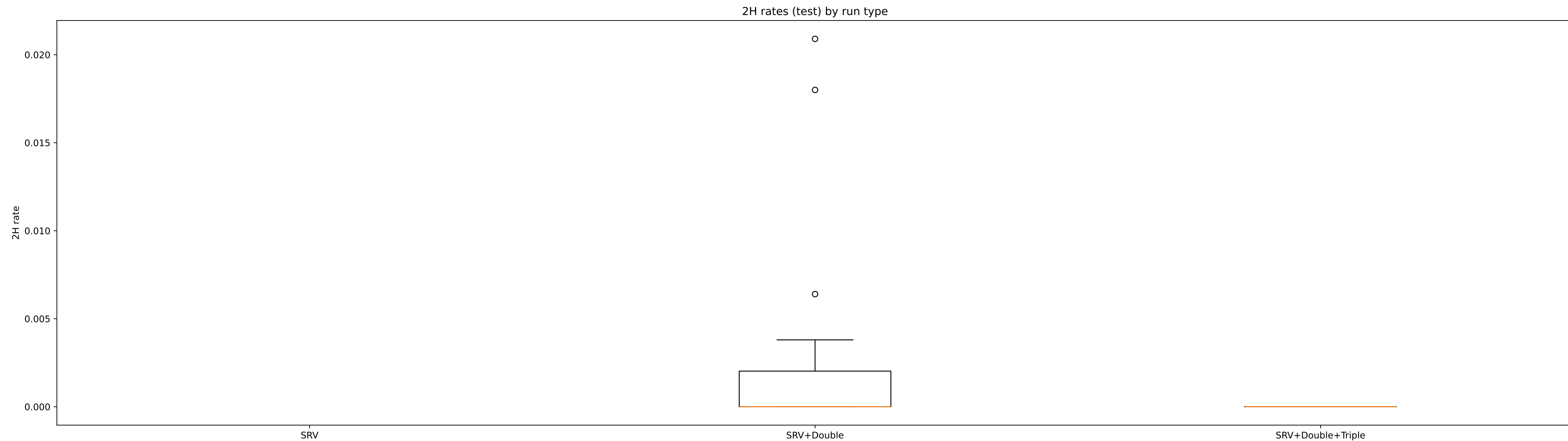
K (alternative) by run type



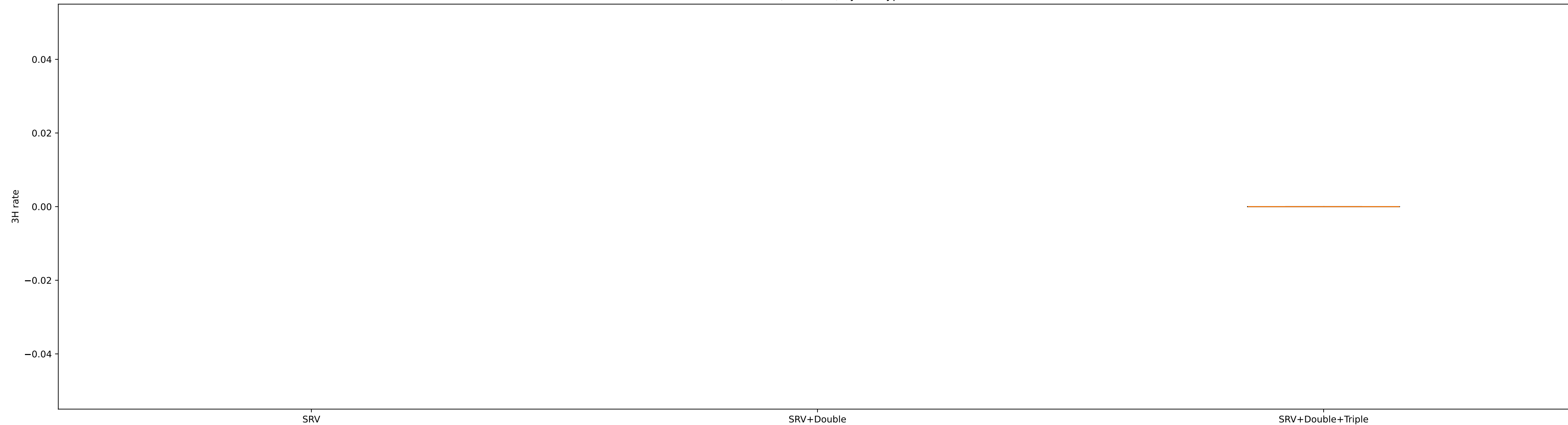


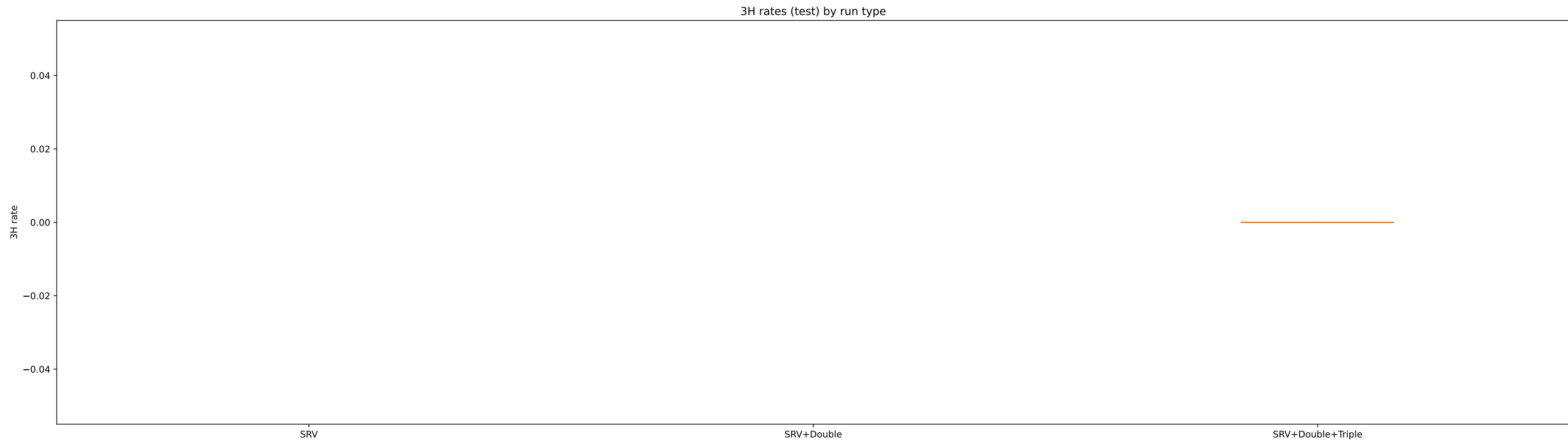
2H rates (reference) by run type





3H rates (reference) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	0.95	0.2716	0.256	
	2	0.8733	0.37	0.2716	0.256	
	3	0.9415	1.18	0.2716	0.256	
	4	0.9652	0.95	0.2716	0.256	
	5	1.0	1.13	0.2716	0.256	
	6	0.9097	1.34	0.2716	0.256	
	7	0.9302	1.2	0.2716	0.256	
	8	1.0	1.17	0.2716	0.256	
	9	0.9706	0.95	0.2716	0.256	
	10	0.9307	1.2	0.2716	0.256	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.8483	1.46	0.2716	0.256	
	2	0.8826	1.31	0.2716	0.256	
	3	0.9162	1.21	0.2716	0.256	
	4	0.8778	0.37	0.2716	0.256	
	5	0.9376	1.32	0.2716	0.256	
	6	0.9049	1.24	0.2716	0.256	
	7	0.871	1.43	0.2716	0.256	
	8	0.8907	1.3	0.2716	0.256	
	9	0.8762	1.31	0.2716	0.256	
	10	0.8996	1.25	0.2716	0.256	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	0.95	0.2716	0.256	
	2	0.9628	0.95	0.2716	0.256	
	3	0.9684	0.94	0.2716	0.256	
	4	1.0	1.17	0.2716	0.256	
	5	0.9698	0.95	0.2716	0.256	
	6	0.9384	1.18	0.2716	0.256	
	7	1.0	0.96	0.2716	0.256	
	8	0.9566	0.94	0.2716	0.256	
	9	0.9636	0.95	0.2716	0.256	
	10	0.964	0.95	0.2716	0.256	

	test	Negative s election	0.0	0.391	SRV+Double	
	test	Negative s election	0.0	69.9	SRV+Double	
	test	Neutral evolution	1.0	29.709	SRV+Double	
	test	Neutral evolution	1.0	29.709	SRV+Double	
	reference	Negative s election	0.268	0.268	SRV+Double	
	reference	Negative s election	0.0	69.985	SRV+Double	
	reference	Neutral evolution	1.0	29.747	SRV+Double	
	test	Negative s election	0.0	0.268	SRV+Double	
	test	Negative s election	0.0	69.985	SRV+Double	
	test	Neutral evolution	1.0	29.747	SRV+Double	
	reference	Negative s election	0.0	65.373	SRV+Double	
	reference	Negative s election	0.652	16.888	SRV+Double	
	reference	Neutral evolution	1.0	17.74	SRV+Double	
	test	Negative s election	0.0	65.373	SRV+Double	
	test	Negative s election	0.569	16.888	SRV+Double	
	test	Negative s election	0.0	65.373	SRV+Double	
	test	Negative s election	0.652	16.888	SRV+Double	
	test	Neutral evolution	1.0	17.74	SRV+Double	
	test	Neutral evolution	1.0	17.74	SRV+Double	
	reference	Negative s election	0.0	65.559	SRV+Double	
	reference	Negative s election	0.657	16.754	SRV+Double	
	reference	Neutral evolution	1.0	17.687	SRV+Double	
	test	Negative s election	0.0	65.559	SRV+Double	
	test	Negative s election	0.657	16.754	SRV+Double	
	test	Neutral evolution	1.0	17.687	SRV+Double	
	reference	Negative s election	0.0	63.785	SRV+Double	
	reference	Negative s election	0.632	20.802	SRV+Double	
	reference	Neutral evolution	1.0	15.414	SRV+Double	
	test	Negative s election	0.0	63.785	SRV+Double	
	test	Negative s election	0.567	20.802	SRV+Double	
	test	Negative s election	0.0	63.785	SRV+Double	
	test	Negative s election	0.632	20.802	SRV+Double	
	test	Neutral evolution	1.0	15.414	SRV+Double	
	test	Neutral evolution	1.0	15.414	SRV+Double	
	reference	Negative s election	0.0	63.737	SRV+Double	
	reference	Negative s election	0.628	20.866	SRV+Double	
	reference	Neutral evolution	1.0	15.397	SRV+Double	
	test	Negative s election	0.0	63.737	SRV+Double	
	test	Negative s election	0.628	20.866	SRV+Double	
	test	Neutral evolution	1.0	15.397	SRV+Double	
	reference	Negative s election	0.0	65.768	SRV+Double	
	reference	Negative s election	0.728	20.237	SRV+Double	
	reference	Neutral evolution	1.0	13.995	SRV+Double	
	test	Negative s election	0.0	65.768	SRV+Double	
	test	Negative s election	0.635	20.237	SRV+Double	
	test	Negative s election	0.0	65.768	SRV+Double	
	test	Negative s election	0.728	20.237	SRV+Double	
	test	Neutral evolution	1.0	13.995	SRV+Double	
	test	Neutral evolution	1.0	13.995	SRV+Double	
	reference	Negative s election	0.0	65.782	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	2.644	SRV	
	2	0.818	89.865	SRV	
	3	3.531	7.491	SRV	
	1	0.729	86.764	SRV	
	2	2.371	12.695	SRV	
	3	12.361	0.541	SRV	
	1	0.754	38.034	SRV	
	2	0.791	53.291	SRV	
	3	3.365	8.675	SRV	
	1	0.768	73.315	SRV	
	2	0.791	17.642	SRV	
	3	3.286	9.044	SRV	
	1	0.701	55.051	SRV	
	2	0.909	36.805	SRV	
	3	3.435	8.144	SRV	
	1	0.738	87.985	SRV	
	2	2.597	11.624	SRV	
	3	12.428	0.391	SRV	
	1	0.0	3.117	SRV	
	2	0.828	90.01	SRV	
	3	3.699	6.873	SRV	
	1	0.0	3.122	SRV	
	2	0.829	90.028	SRV	
	3	3.706	6.85	SRV	
	1	0.768	88.788	SRV	
	2	1.087	2.426	SRV	
	3	3.325	8.786	SRV	
	1	0.0	3.127	SRV	
	2	0.829	90.007	SRV	
	3	3.701	6.866	SRV	

	reference	2H	0.0	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0396	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	0.0803	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	0.083	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	0.0863	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	0.0529	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	0.0597	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	