

# RELAX Combined Report

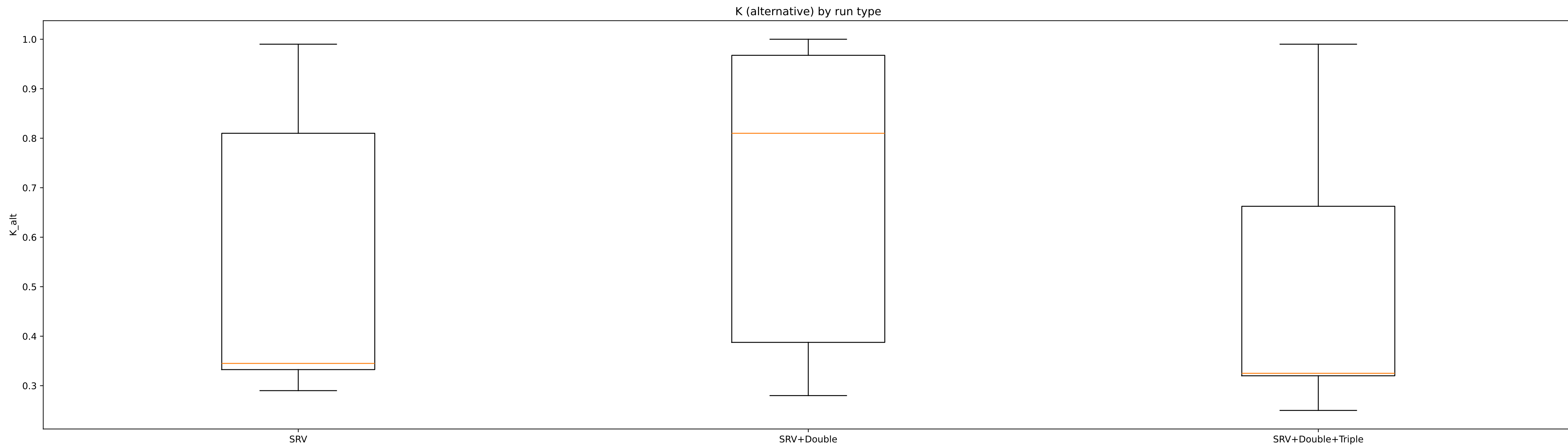
SRV vs SRV+Double vs SRV+Double+Triple

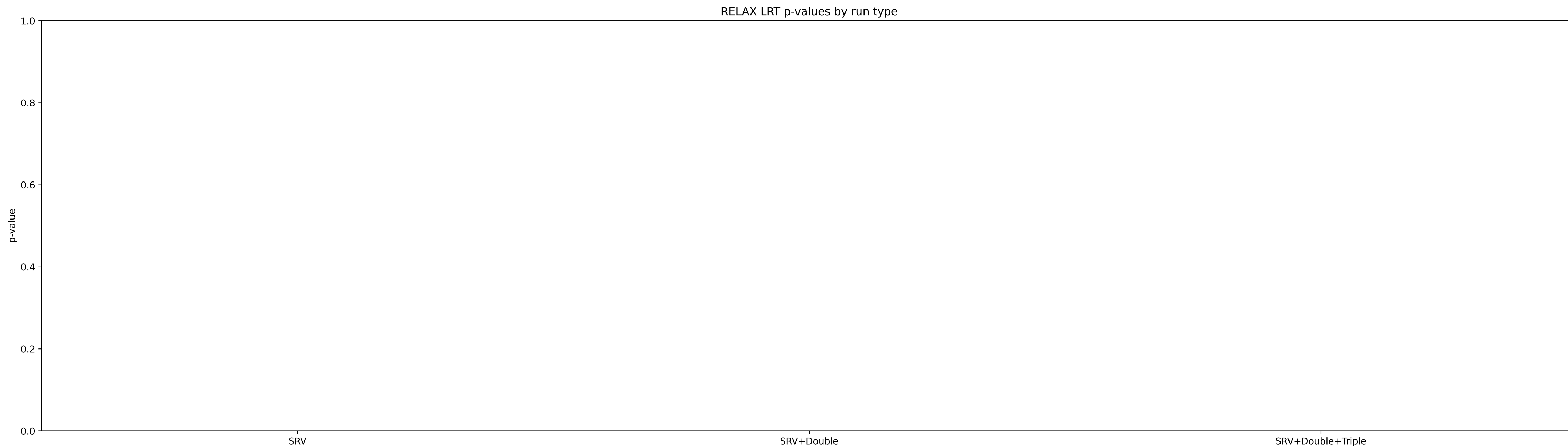
Includes:

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

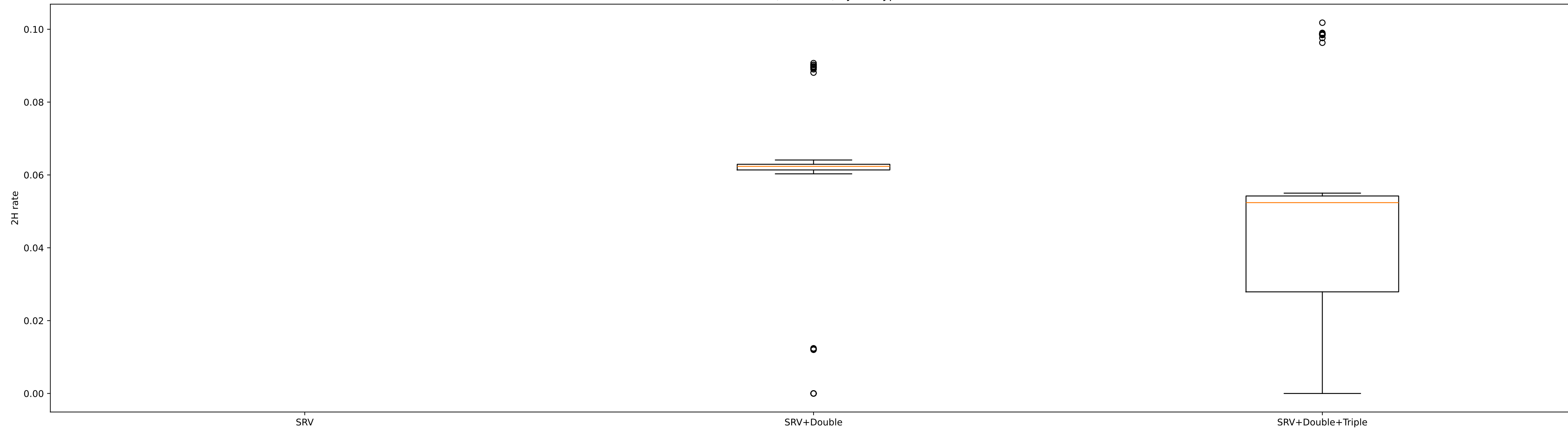
Run-type summary statistics

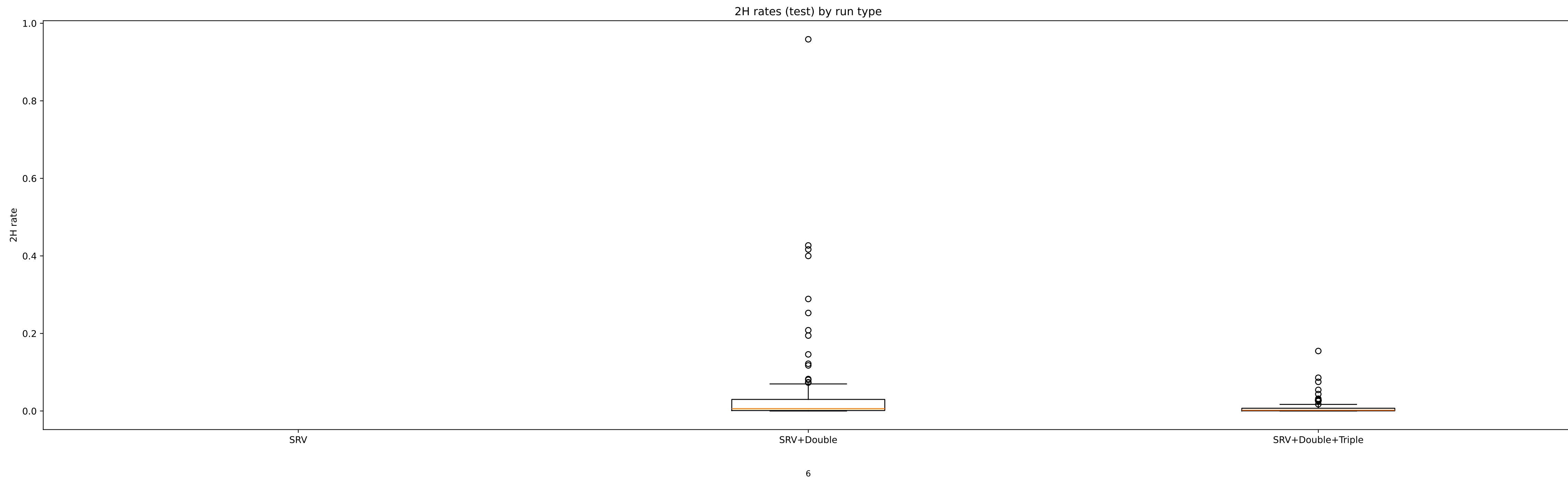
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
1.0	1.0	1.0	0.345	0.29	0.99	0.2206	0.0	10	nan	nan
1.0	1.0	1.0	0.81	0.28	1.0	0.2206	0.0	10	0.0624	0.0061
1.0	1.0	1.0	0.325	0.25	0.99	0.2206	0.0	10	0.0524	0.0022



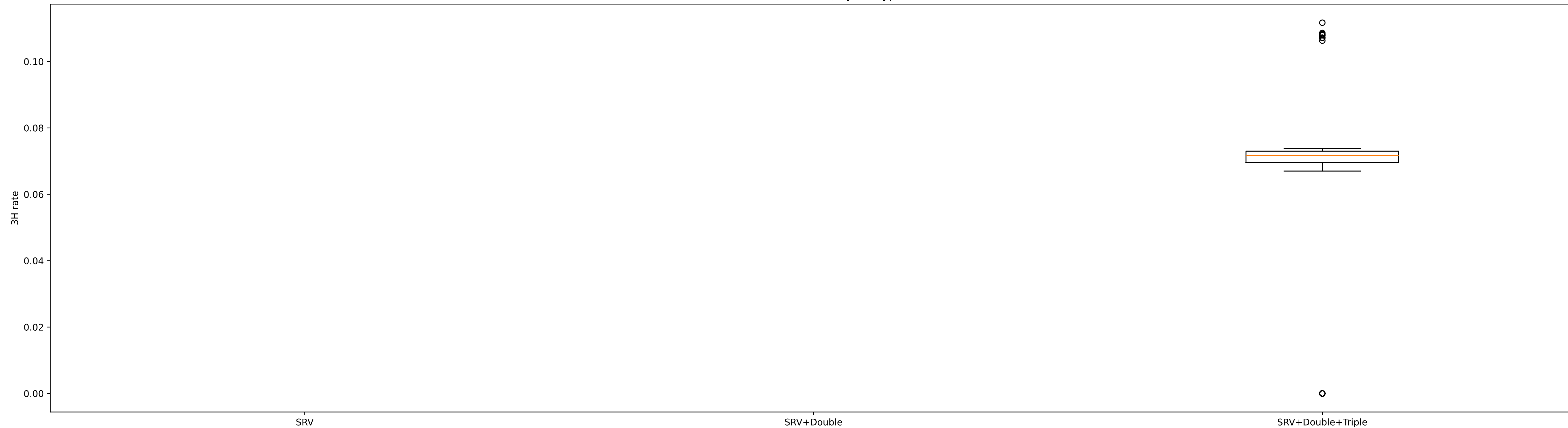


2H rates (reference) by run type

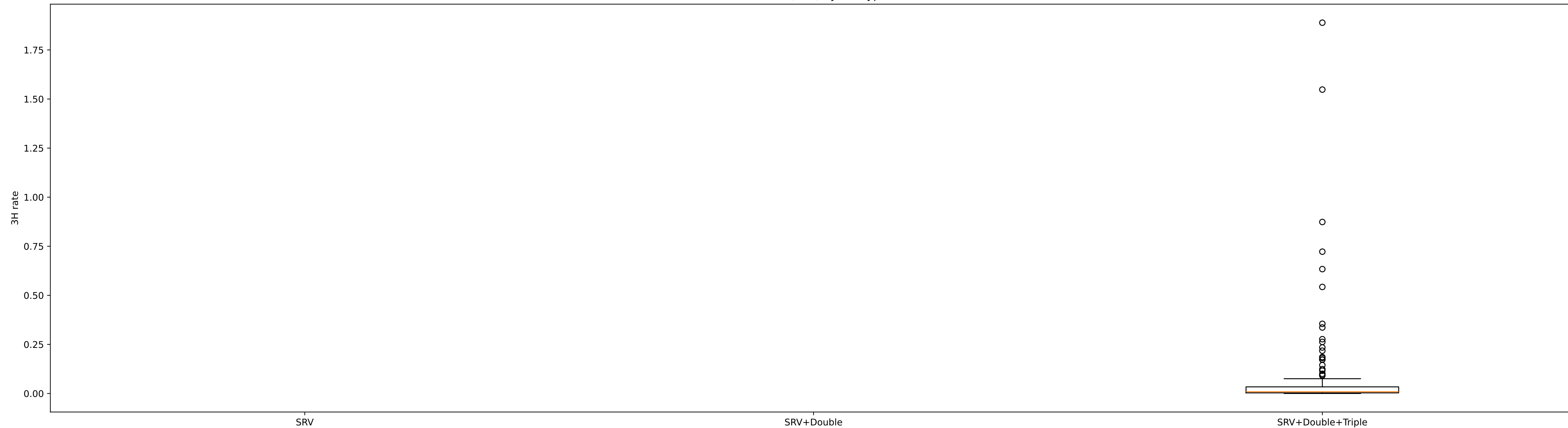




3H rates (reference) by run type



3H rates (test) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	0.34	0.2206	0.0	
	2	1.0	0.35	0.2206	0.0	
	3	1.0	0.33	0.2206	0.0	
	4	1.0	0.29	0.2206	0.0	
	5	1.0	0.34	0.2206	0.0	
	6	1.0	0.99	0.2204	0.0	
	7	1.0	0.33	0.2206	0.0	
	8	1.0	0.95	0.2206	0.0	
	9	1.0	0.39	0.2206	0.0	
	10	1.0	0.98	0.2206	0.0	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	0.96	0.2206	0.0	
	2	1.0	0.32	0.2206	0.0	
	3	1.0	0.47	0.2206	0.0	
	4	1.0	0.28	0.2206	0.0	
	5	1.0	0.97	0.2206	0.0	
	6	1.0	0.94	0.2206	0.0	
	7	1.0	1.0	0.2205	0.0	
	8	1.0	0.36	0.2206	0.0	
	9	1.0	0.99	0.2206	0.0	
	10	1.0	0.68	0.2206	0.0	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	0.77	0.2206	0.0	
	2	1.0	0.25	0.2206	0.0	
	3	1.0	0.3	0.2206	0.0	
	4	1.0	0.33	0.2206	0.0	
	5	1.0	0.32	0.2206	0.0	
	6	1.0	0.97	0.2206	0.0	
	7	1.0	0.32	0.2206	0.0	
	8	1.0	0.32	0.2206	0.0	
	9	1.0	0.34	0.2206	0.0	
	10	1.0	0.99	0.2206	0.0	

	test	Negative s election	0.0	14.925	SRV+Double	
	test	Negative s election	0.664	85.015	SRV+Double	
	test	Negative s election	0.0	14.925	SRV+Double	
	test	Negative s election	0.237	85.015	SRV+Double	
	reference	Diversifyi ng selecti on	121.491	0.061	SRV+Double	
	reference	Negative s election	0.0	15.032	SRV+Double	
	reference	Negative s election	0.238	84.907	SRV+Double	
	test	Diversifyi ng selecti on	121.491	0.061	SRV+Double	
	test	Negative s election	0.0	15.032	SRV+Double	
	test	Negative s election	0.238	84.907	SRV+Double	
	reference	Negative s election	0.022	15.429	SRV+Double	
	reference	Negative s election	0.218	82.499	SRV+Double	
	reference	Neutral ev olution	1.0	2.073	SRV+Double	
	test	Negative s election	0.025	15.429	SRV+Double	
	test	Negative s election	0.229	82.499	SRV+Double	
	test	Negative s election	0.022	15.429	SRV+Double	
	test	Negative s election	0.218	82.499	SRV+Double	
	test	Neutral ev olution	1.0	2.073	SRV+Double	
	test	Neutral ev olution	1.0	2.073	SRV+Double	
	reference	Negative s election	0.012	15.094	SRV+Double	
	reference	Negative s election	0.22	82.997	SRV+Double	
	reference	Neutral ev olution	1.0	1.909	SRV+Double	
	test	Negative s election	0.012	15.094	SRV+Double	
	test	Negative s election	0.22	82.997	SRV+Double	
	test	Neutral ev olution	1.0	1.909	SRV+Double	
	reference	Diversifyi ng selecti on	128.433	0.057	SRV+Double	
	reference	Negative s election	0.141	85.643	SRV+Double	
	reference	Negative s election	0.599	14.3	SRV+Double	
	test	Diversifyi ng selecti on	94.171	0.057	SRV+Double	
	test	Diversifyi ng selecti on	128.433	0.057	SRV+Double	
	test	Negative s election	0.16	85.643	SRV+Double	
	test	Negative s election	0.619	14.3	SRV+Double	
	test	Negative s election	0.141	85.643	SRV+Double	
	test	Negative s election	0.599	14.3	SRV+Double	
	reference	Diversifyi ng selecti on	130.661	0.057	SRV+Double	
	reference	Negative s election	0.141	85.623	SRV+Double	
	reference	Negative s election	0.595	14.32	SRV+Double	
	test	Diversifyi ng selecti on	130.661	0.057	SRV+Double	
	test	Negative s election	0.141	85.623	SRV+Double	
	test	Negative s election	0.595	14.32	SRV+Double	
	reference	Negative s election	0.049	10.482	SRV+Double	
	reference	Negative s election	0.203	87.482	SRV+Double	
	reference	Neutral ev olution	1.0	2.036	SRV+Double	
	test	Negative s election	0.049	10.482	SRV+Double	
	test	Negative s election	0.203	87.482	SRV+Double	
	test	Negative s election	0.049	10.482	SRV+Double	
	test	Negative s election	0.203	87.482	SRV+Double	
	test	Neutral ev olution	1.0	2.036	SRV+Double	
	test	Neutral ev olution	1.0	2.036	SRV+Double	
	reference	Negative s election	0.043	10.532	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.48	55.279	SRV	
	2	0.986	18.151	SRV	
	3	2.092	26.57	SRV	
	1	0.021	19.734	SRV	
	2	1.065	71.71	SRV	
	3	2.716	8.556	SRV	
	1	0.037	20.183	SRV	
	2	1.074	73.549	SRV	
	3	3.234	6.269	SRV	
	1	0.49	38.47	SRV	
	2	0.603	31.284	SRV	
	3	2.059	30.246	SRV	
	1	0.494	43.127	SRV	
	2	0.614	26.55	SRV	
	3	2.058	30.324	SRV	
	1	0.532	35.57	SRV	
	2	0.538	33.749	SRV	
	3	2.05	30.681	SRV	
	1	0.491	35.931	SRV	
	2	0.59	33.693	SRV	
	3	2.057	30.376	SRV	
	1	0.482	37.031	SRV	
	2	0.578	31.16	SRV	
	3	2.016	31.809	SRV	
	1	0.03	20.444	SRV	
	2	1.086	72.97	SRV	
	3	3.06	6.586	SRV	
	1	0.021	20.073	SRV	
	2	1.089	73.131	SRV	
	3	2.933	6.796	SRV	

	test	2H	0.0161	SRV+Double+Triple	
	test	2H	0.0061	SRV+Double+Triple	
	test	2H	0.0038	SRV+Double+Triple	
	test	2H	0.0015	SRV+Double+Triple	
	test	2H	0.0009	SRV+Double+Triple	
	test	2H	0.0004	SRV+Double+Triple	
	test	2H	0.0002	SRV+Double+Triple	
	test	2H	0.0001	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0172	SRV+Double+Triple	
	test	3H	0.0348	SRV+Double+Triple	
	test	3H	0.0206	SRV+Double+Triple	
	test	3H	0.0076	SRV+Double+Triple	
	test	3H	0.0047	SRV+Double+Triple	
	test	3H	0.009	SRV+Double+Triple	
	test	3H	0.0299	SRV+Double+Triple	
	test	3H	0.0108	SRV+Double+Triple	
	test	3H	0.0066	SRV+Double+Triple	
	test	3H	0.0025	SRV+Double+Triple	
	test	3H	0.0078	SRV+Double+Triple	
	test	3H	0.0048	SRV+Double+Triple	
	reference	2H	0.0963	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.1079	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0291	SRV+Double+Triple	
	test	3H	0.0753	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0174	SRV+Double+Triple	
	test	2H	0.0064	SRV+Double+Triple	
	test	2H	0.004	SRV+Double+Triple	
	test	2H	0.0016	SRV+Double+Triple	
	test	2H	0.001	SRV+Double+Triple	
	test	2H	0.0004	SRV+Double+Triple	
	test	2H	0.0002	SRV+Double+Triple	
	test	2H	0.0001	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0432	SRV+Double+Triple	
	test	3H	0.0152	SRV+Double+Triple	
	test	3H	0.0092	SRV+Double+Triple	
	test	3H	0.0035	SRV+Double+Triple	
	test	3H	0.0022	SRV+Double+Triple	
	test	3H	0.0009	SRV+Double+Triple	
	test	3H	0.0008	SRV+Double+Triple	
	test	3H	0.0005	SRV+Double+Triple	
	test	3H	0.0002	SRV+Double+Triple	
	test	3H	0.0001	SRV+Double+Triple	
	reference	2H	0.0976	SRV+Double+Triple	

Multihit (2H/3H) rates (all) (cols 1-6/6)