

# RELAX Combined Report

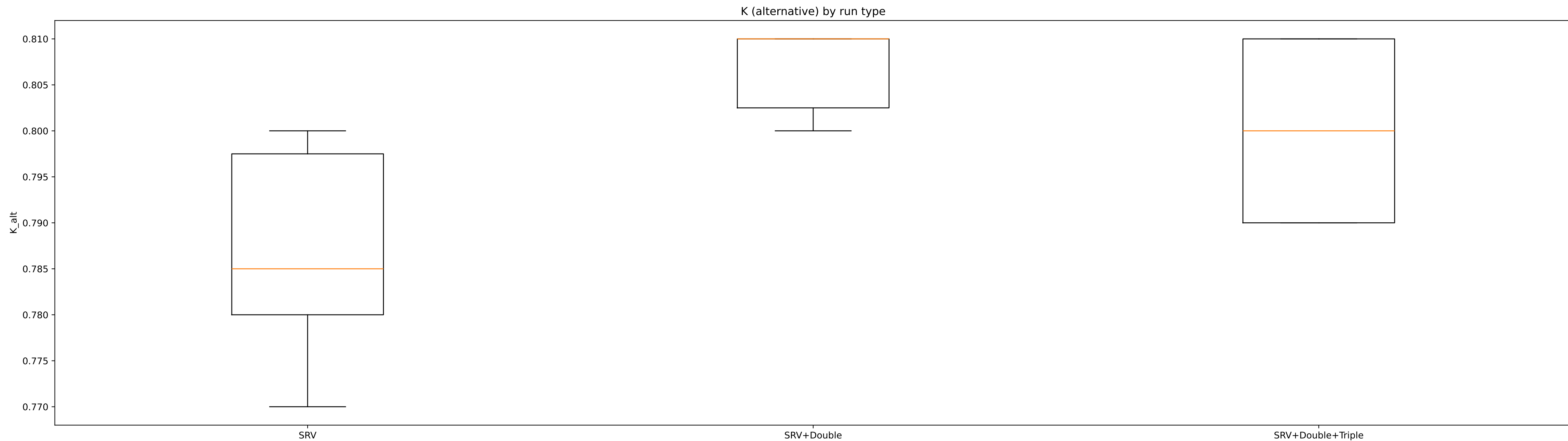
SRV vs SRV+Double vs SRV+Double+Triple

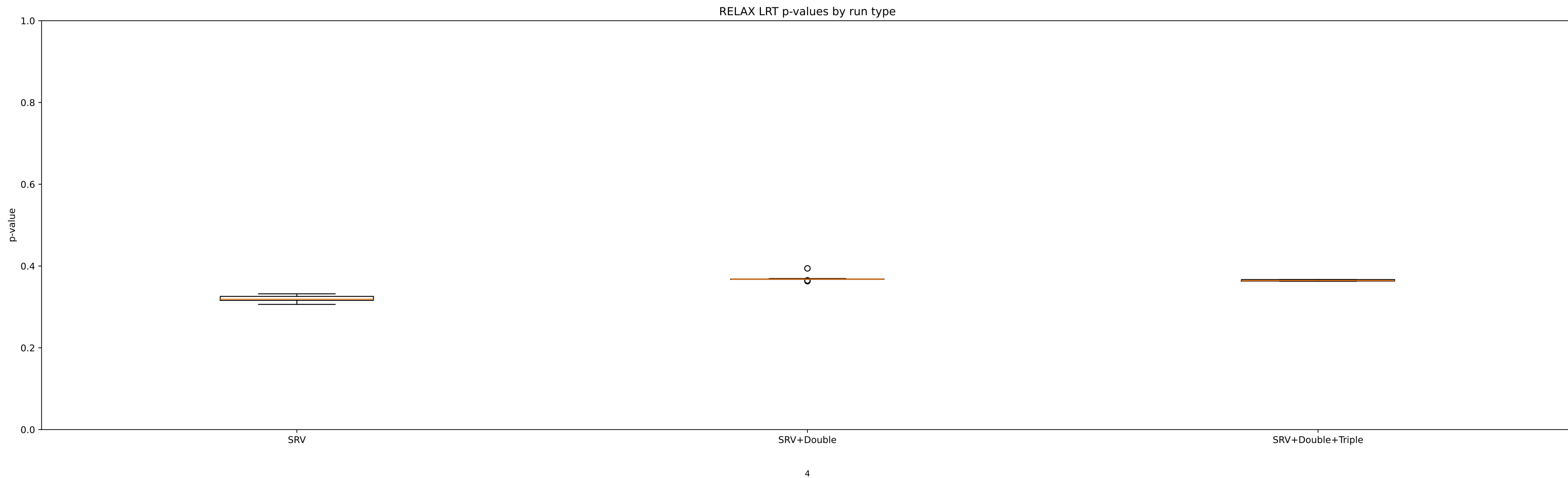
Includes:

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

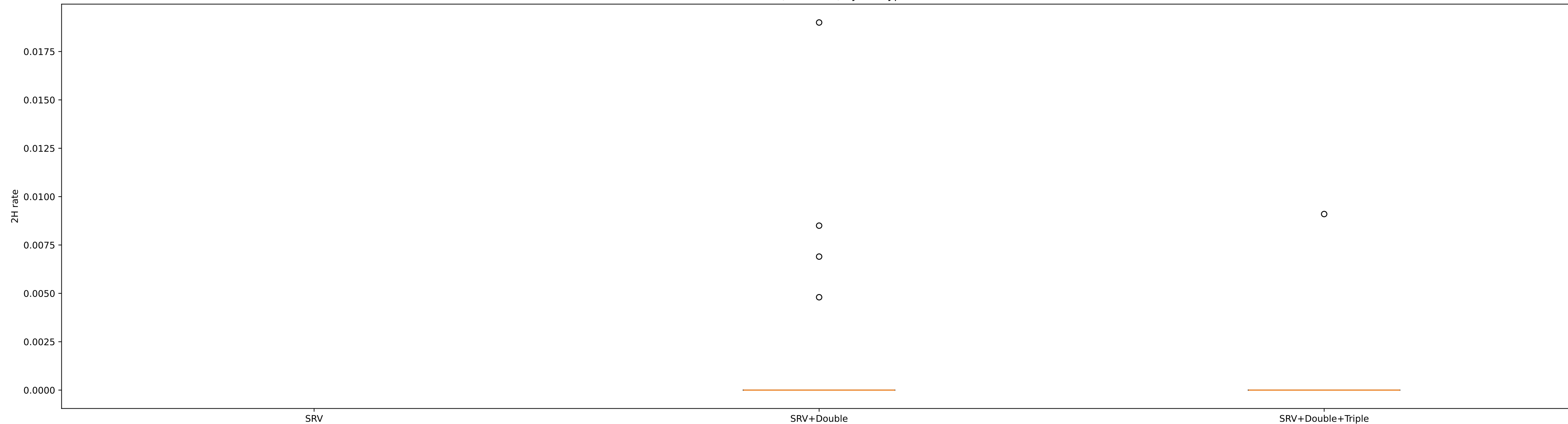
Run-type summary statistics

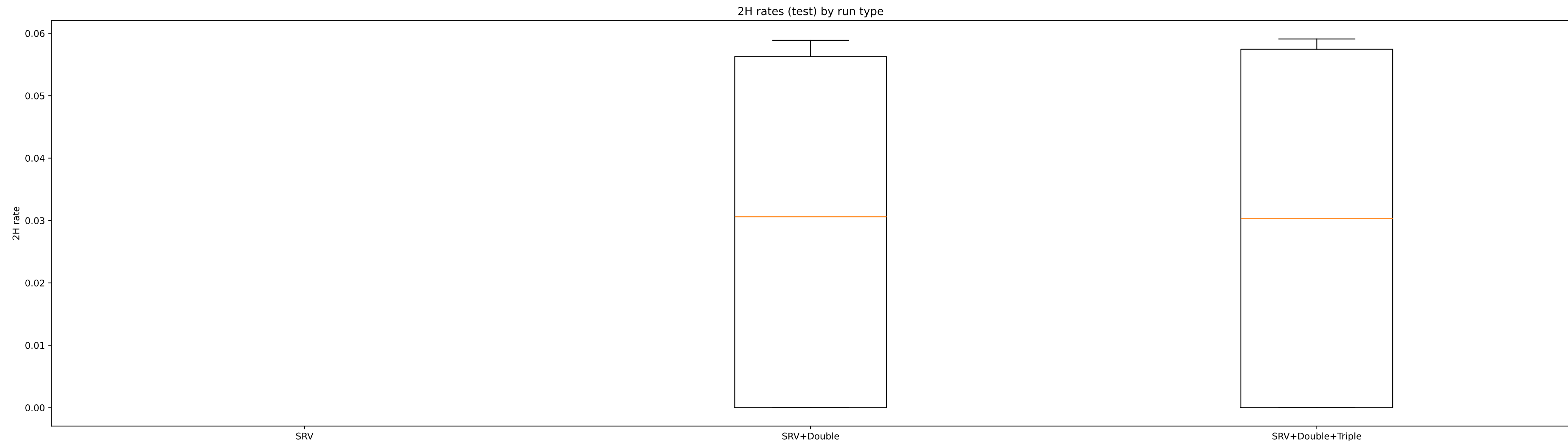
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.319	0.3062	0.332	0.785	0.77	0.8	0.2165	0.2936	10	nan	nan
0.368	0.363	0.3942	0.81	0.8	0.81	0.2165	0.2936	10	0.0	0.0306
0.3646	0.3627	0.367	0.8	0.79	0.81	0.2165	0.2936	9	0.0	0.0303



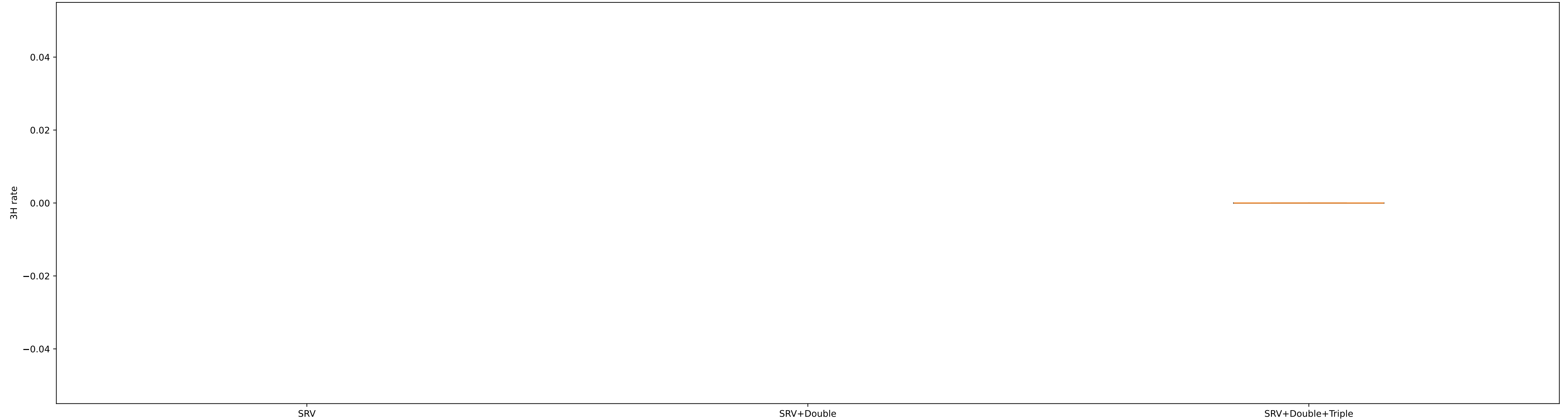


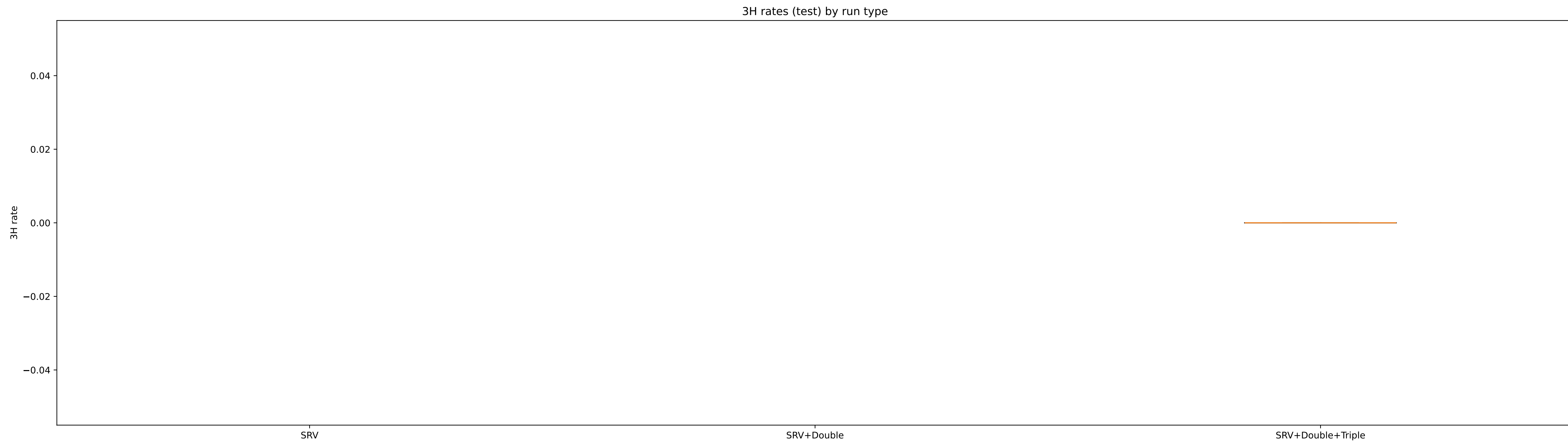
2H rates (reference) by run type





3H rates (reference) by run type







	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3293	0.8	0.2165	0.2936	
	2	0.3196	0.78	0.2165	0.2936	
	3	0.3153	0.78	0.2165	0.2936	
	4	0.332	0.8	0.2165	0.2936	
	5	0.3217	0.79	0.2165	0.2936	
	6	0.3184	0.78	0.2165	0.2936	
	7	0.3271	0.8	0.2165	0.2936	
	8	0.318	0.79	0.2165	0.2936	
	9	0.3092	0.78	0.2165	0.2936	
	10	0.3062	0.77	0.2165	0.2936	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3681	0.8	0.2165	0.2936	
	2	0.363	0.8	0.2165	0.2936	
	3	0.3694	0.81	0.2165	0.2936	
	4	0.3682	0.81	0.2165	0.2936	
	5	0.3678	0.81	0.2165	0.2936	
	6	0.3676	0.81	0.2165	0.2936	
	7	0.3649	0.8	0.2165	0.2936	
	8	0.3942	0.81	0.2165	0.2936	
	9	0.3683	0.81	0.2165	0.2936	
	10	0.3675	0.81	0.2165	0.2936	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.367	0.81	0.2165	0.2936	
	2	0.3669	0.81	0.2165	0.2936	
	3	0.3633	0.79	0.2165	0.2936	
	4	0.3633	0.79	0.2165	0.2936	
	5	0.3669	0.81	0.2165	0.2936	
	6	0.3629	0.8	0.2165	0.2936	
	7	0.3627	0.79	0.2165	0.2936	
	8	nan	nan	0.2165	0.2936	
	9	0.3646	0.8	0.2165	0.2936	
	10	0.3655	0.81	0.2165	0.2936	

		test	election Negative s election	0.259	14.711	SRV+Double	
		test	Neutral ev olution	1.0	0.761	SRV+Double	
		reference	Negative s election	0.191	74.563	SRV+Double	
		reference	Negative s election	0.21	24.393	SRV+Double	
		reference	Neutral ev olution	1.0	1.044	SRV+Double	
		test	Negative s election	0.261	74.563	SRV+Double	
		test	Negative s election	0.282	24.393	SRV+Double	
		test	Negative s election	0.191	74.563	SRV+Double	
		test	Negative s election	0.21	24.393	SRV+Double	
		test	Neutral ev olution	1.0	1.044	SRV+Double	
		test	Neutral ev olution	1.0	1.044	SRV+Double	
		reference	Negative s election	0.198	76.524	SRV+Double	
		reference	Negative s election	0.211	22.282	SRV+Double	
		reference	Neutral ev olution	1.0	1.194	SRV+Double	
		test	Negative s election	0.198	76.524	SRV+Double	
		test	Negative s election	0.211	22.282	SRV+Double	
		test	Neutral ev olution	1.0	1.194	SRV+Double	
		reference	Diversifyi ng selecti on	1.01	0.0	SRV+Double	
		reference	Negative s election	0.113	43.393	SRV+Double	
		reference	Negative s election Diversifyi ng selecti on	0.276	56.607	SRV+Double	
		test	Diversifyi ng selecti on	1.008	0.0	SRV+Double	
		test	Diversifyi ng selecti on	1.01	0.0	SRV+Double	
		test	Negative s election	0.172	43.393	SRV+Double	
		test	Negative s election	0.353	56.607	SRV+Double	
		test	Negative s election	0.113	43.393	SRV+Double	
		test	Negative s election Diversifyi ng selecti on	0.276	56.607	SRV+Double	
		reference	Diversifyi ng selecti on	1.19	0.0	SRV+Double	
		reference	Negative s election	0.122	41.563	SRV+Double	
		reference	Negative s election Diversifyi ng selecti on	0.274	58.437	SRV+Double	
		test	Diversifyi ng selecti on	1.19	0.0	SRV+Double	
		test	Negative s election	0.122	41.563	SRV+Double	
		test	Negative s election Diversifyi ng selecti on	0.274	58.437	SRV+Double	
		reference	Diversifyi ng selecti on	1.009	0.0	SRV+Double	
		reference	Negative s election	0.125	44.901	SRV+Double	
		reference	Negative s election Diversifyi ng selecti on	0.27	55.099	SRV+Double	
		test	Diversifyi ng selecti on	1.007	0.0	SRV+Double	
		test	Diversifyi ng selecti on	1.009	0.0	SRV+Double	
		test	Negative s election	0.186	44.901	SRV+Double	
		test	Negative s election	0.347	55.099	SRV+Double	
		test	Negative s election	0.125	44.901	SRV+Double	
		test	Negative s election Diversifyi ng selecti on	0.27	55.099	SRV+Double	
		reference	Diversifyi ng selecti on	1.003	0.0	SRV+Double	
		reference	Negative s election	0.133	42.394	SRV+Double	
		reference	Negative s election Diversifyi ng selecti on	0.268	57.606	SRV+Double	
		test	Diversifyi ng selecti on	1.003	0.0	SRV+Double	
		test	Negative s election	0.133	42.394	SRV+Double	
		test	Negative s election	0.268	57.606	SRV+Double	
		reference	Negative s election	0.2	6.435	SRV+Double	
		reference	Negative s election	0.217	93.422	SRV+Double	
			Neutral ev olution	1.0	1.044	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	19.855	SRV	
	2	0.999	75.005	SRV	
	3	4.882	5.139	SRV	
	1	0.0	19.676	SRV	
	2	0.993	75.059	SRV	
	3	4.831	5.265	SRV	
	1	0.0	19.616	SRV	
	2	0.992	75.072	SRV	
	3	4.812	5.312	SRV	
	1	0.0	19.931	SRV	
	2	1.001	74.975	SRV	
	3	4.901	5.095	SRV	
	1	0.0	19.786	SRV	
	2	0.996	75.008	SRV	
	3	4.853	5.206	SRV	
	1	0.0	19.686	SRV	
	2	0.993	75.023	SRV	
	3	4.82	5.291	SRV	
	1	0.0	19.684	SRV	
	2	0.993	75.047	SRV	
	3	4.829	5.269	SRV	
	1	0.0	19.399	SRV	
	2	0.984	75.075	SRV	
	3	4.729	5.526	SRV	
	1	0.0	19.444	SRV	
	2	0.986	75.102	SRV	
	3	4.76	5.454	SRV	
	1	0.0	19.429	SRV	
	2	0.985	75.081	SRV	
	3	4.746	5.49	SRV	

	reference	2H	0.0	SRV+Double	
	test	2H	0.032	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0574	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.019	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0319	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0578	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.032	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	0.0589	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	0.0316	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	0.0591	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	0.0223	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	0.0569	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	0.0261	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	0.058	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	0.0312	SRV+Double+Triple	