

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

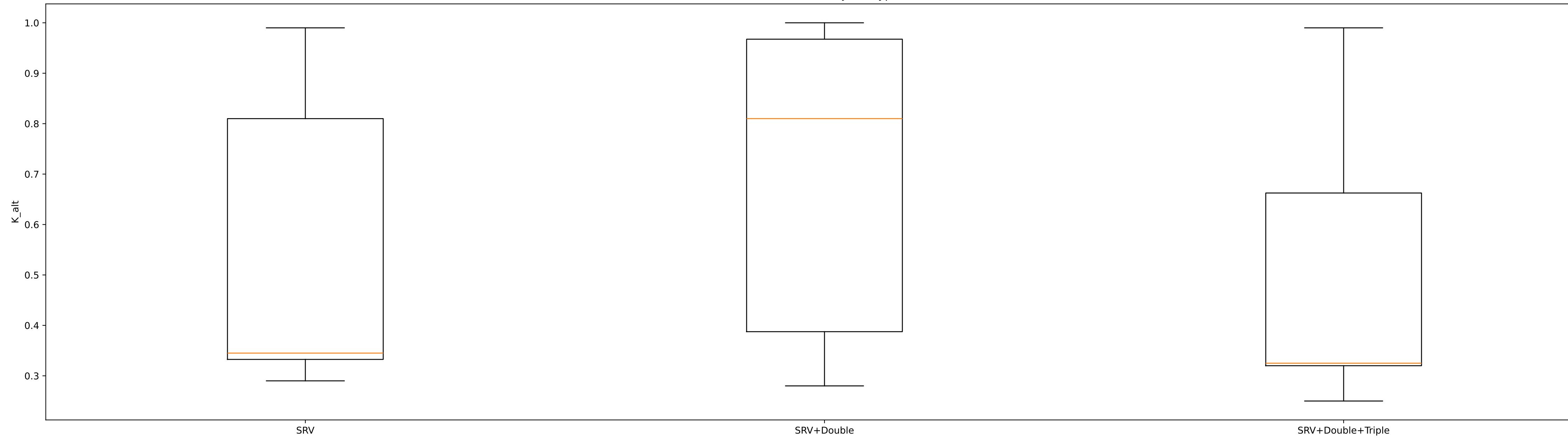
Includes:

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

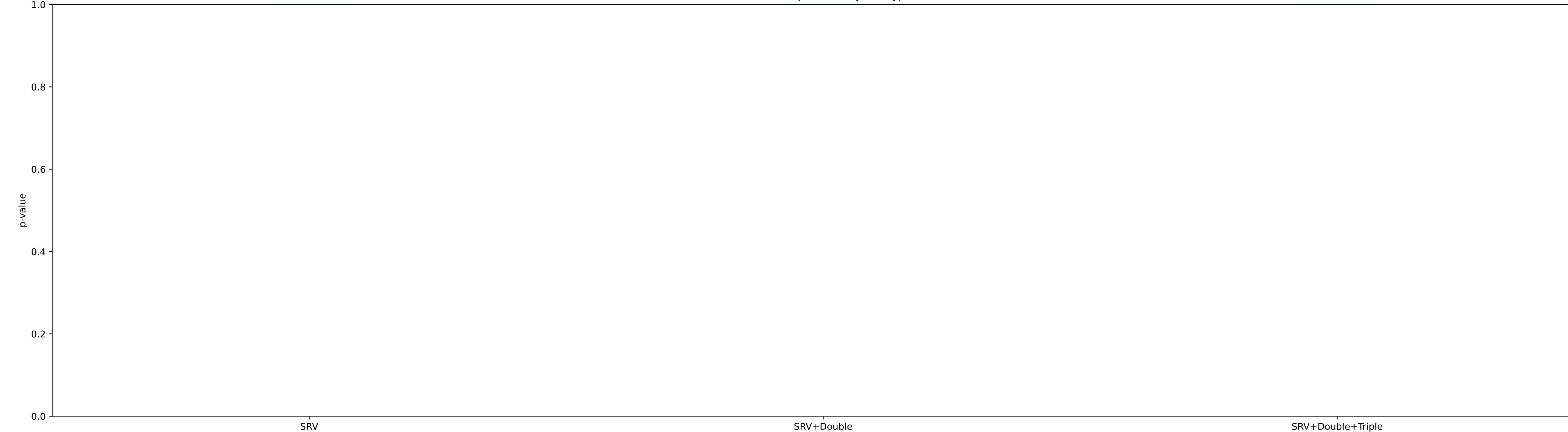
Run-type summary statistics

p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_medi an	omega_test_medi an	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

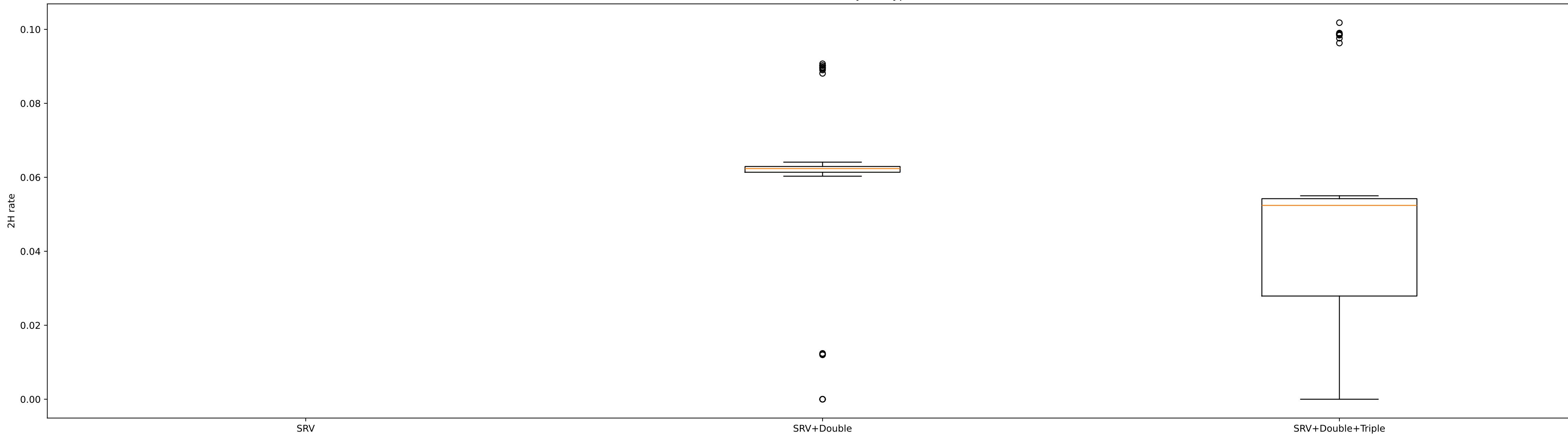
K (alternative) by run type



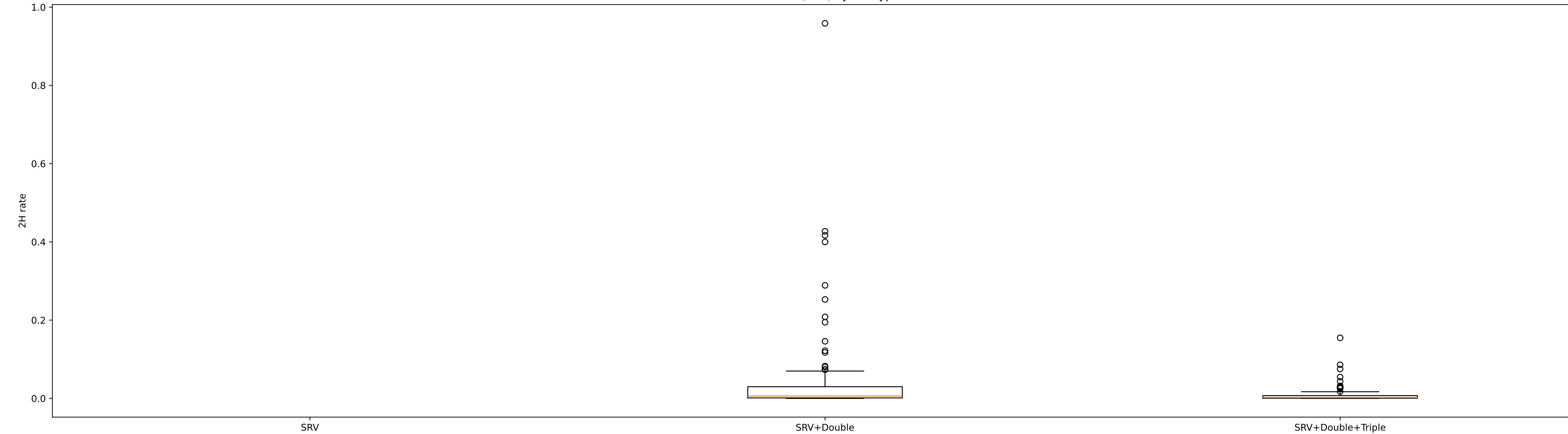
RELAX LRT p-values by run type



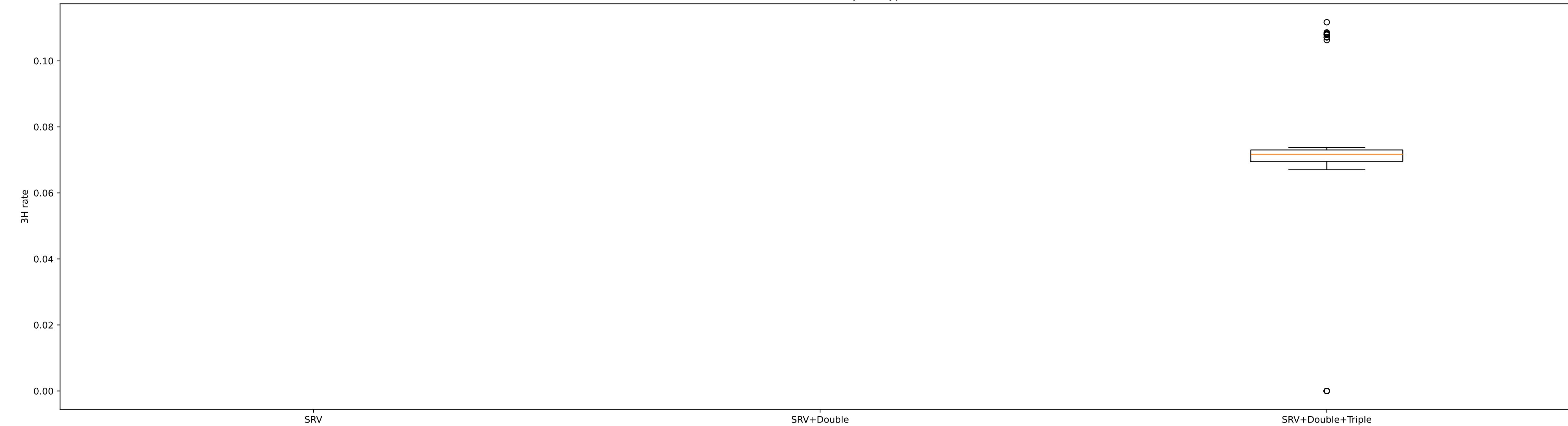
2H rates (reference) by run type



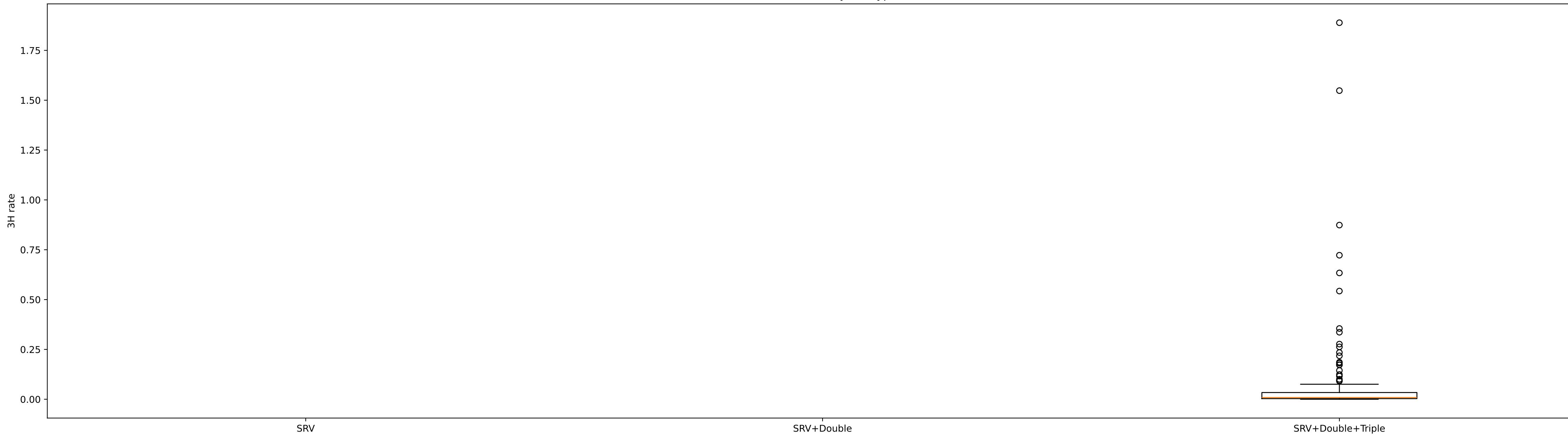
2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



Replicate-level summary — SRV (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	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-level summary — SRV+Double (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	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-level summary — SRV+Double+Triple (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	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 selection	0.0	14.925	SRV+Double
	test	Negative selection	0.664	85.015	SRV+Double
	test	Negative selection	0.0	14.925	SRV+Double
	test	Negative selection	0.237	85.015	SRV+Double
	reference	Diversifying selection	0.061	SRV+Double	
	reference	Negative selection	0.0	15.032	SRV+Double
	reference	Negative selection	0.238	84.907	SRV+Double
	test	Diversifying selection	121.491	0.061	SRV+Double
	test	Negative selection	0.0	15.032	SRV+Double
	test	Negative selection	0.238	84.907	SRV+Double
	reference	Negative selection	0.022	15.429	SRV+Double
	reference	Negative selection	0.218	82.499	SRV+Double
	reference	Neutral evolution	1.0	2.073	SRV+Double
	test	Negative selection	0.025	15.429	SRV+Double
	test	Negative selection	0.229	82.499	SRV+Double
	test	Negative selection	0.022	15.429	SRV+Double
	test	Negative selection	0.218	82.499	SRV+Double
	test	Neutral evolution	1.0	2.073	SRV+Double
	test	Neutral evolution	1.0	2.073	SRV+Double
	reference	Negative selection	0.012	15.094	SRV+Double
	reference	Negative selection	0.22	82.997	SRV+Double
	reference	Neutral evolution	1.0	1.909	SRV+Double
	test	Negative selection	0.012	15.094	SRV+Double
	test	Negative selection	0.22	82.997	SRV+Double
	test	Neutral evolution	1.0	1.909	SRV+Double
	reference	Diversifying selection	128.433	0.057	SRV+Double
	reference	Negative selection	0.141	85.643	SRV+Double
	reference	Negative selection	0.599	14.3	SRV+Double
	test	Diversifying selection	94.171	0.057	SRV+Double
	test	Diversifying selection	128.433	0.057	SRV+Double
	test	Negative selection	0.16	85.643	SRV+Double
	test	Negative selection	0.619	14.3	SRV+Double
	test	Negative selection	0.141	85.643	SRV+Double
	test	Negative selection	0.599	14.3	SRV+Double
	reference	Diversifying selection	130.661	0.057	SRV+Double
	reference	Negative selection	0.141	85.623	SRV+Double
	reference	Negative selection	0.595	14.32	SRV+Double
	test	Diversifying selection	130.661	0.057	SRV+Double
	test	Negative selection	0.141	85.623	SRV+Double
	test	Negative selection	0.595	14.32	SRV+Double
	reference	Negative selection	0.049	10.482	SRV+Double
	reference	Negative selection	0.203	87.482	SRV+Double
	reference	Neutral evolution	1.0	2.036	SRV+Double
	test	Negative selection	0.049	10.482	SRV+Double
	test	Negative selection	0.203	87.482	SRV+Double
	test	Negative selection	0.049	10.482	SRV+Double
	test	Negative selection	0.203	87.482	SRV+Double
	test	Neutral evolution	1.0	2.036	SRV+Double
	test	Neutral evolution	1.0	2.036	SRV+Double
	reference	Negative selection	0.043	10.532	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	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	
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	
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	
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	