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_median	omega_test_median	warnings_count	2H_reference_median	2H_test_median
0.3389	0.3362	0.3433	1.19	1.17	1.21	0.2422	0.1975	10	nan	nan
0.3304	0.3211	0.3402	1.195	1.18	1.3	0.2422	0.1975	10	0.0204	0.0
0.3185	0.3133	0.3233	1.175	1.17	1.28	0.2422	0.1975	10	0.0136	0.0

K (alternative) by run type

RELAX LRT p-values by run type
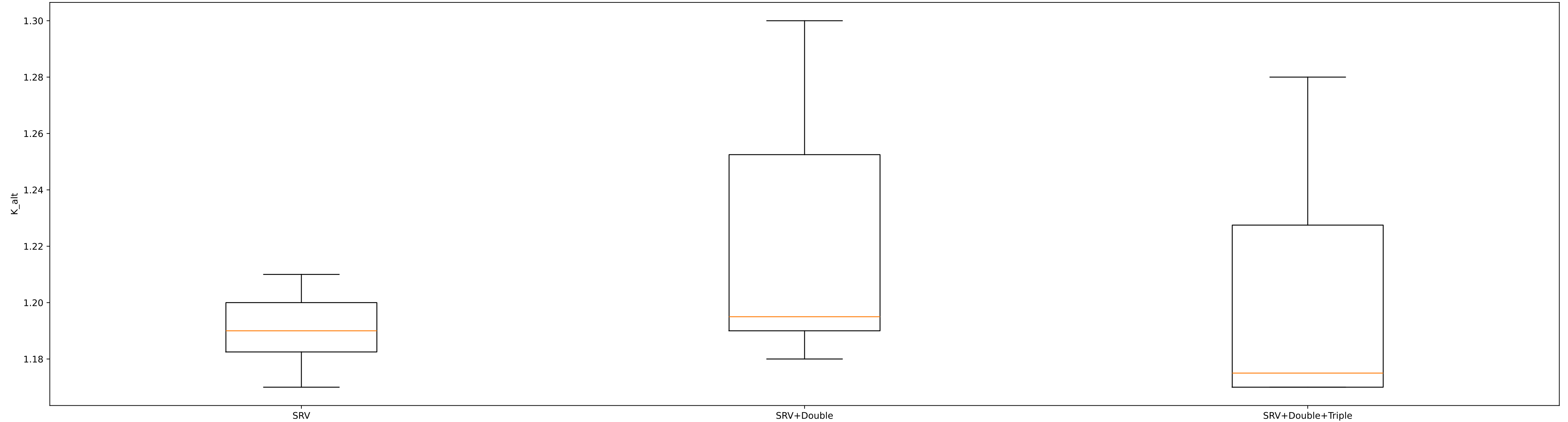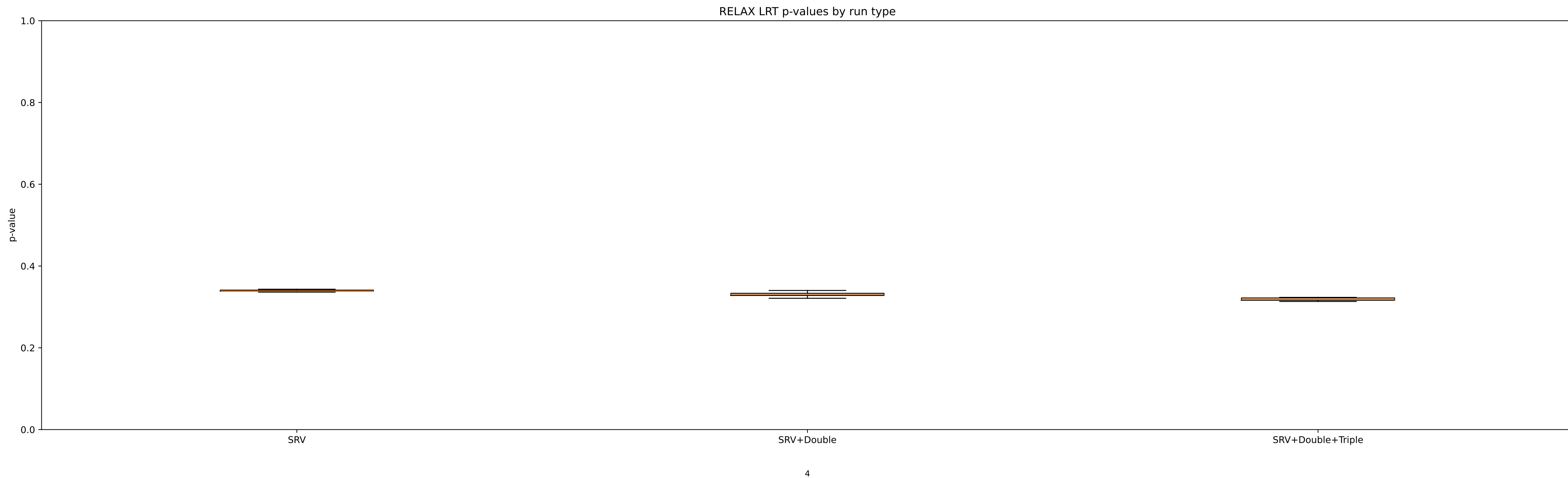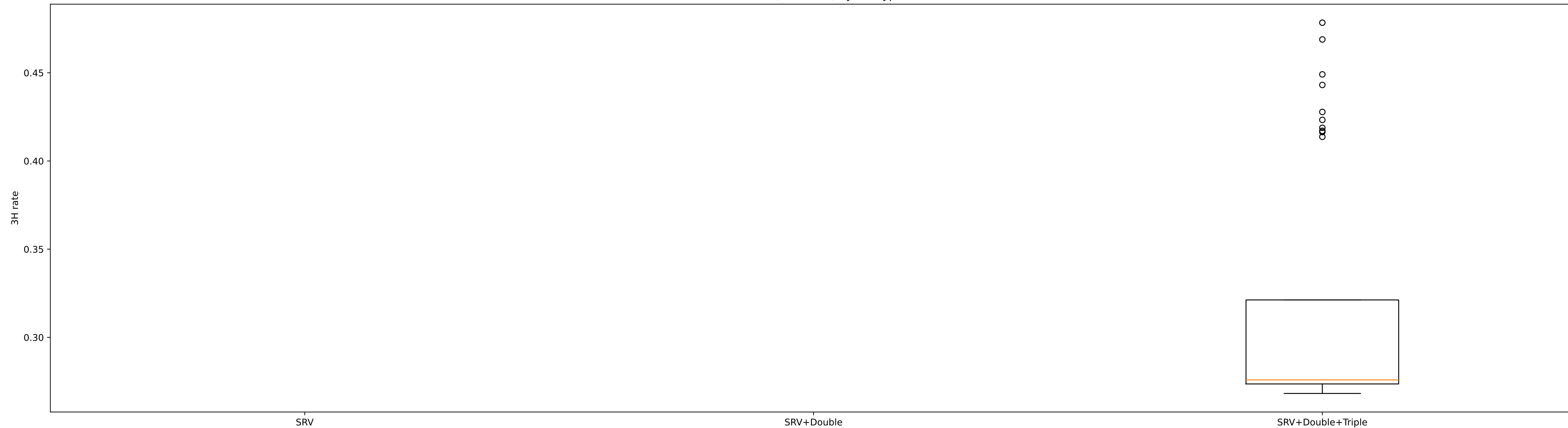
2H rates (reference) by run type

2H rates (test) by run type
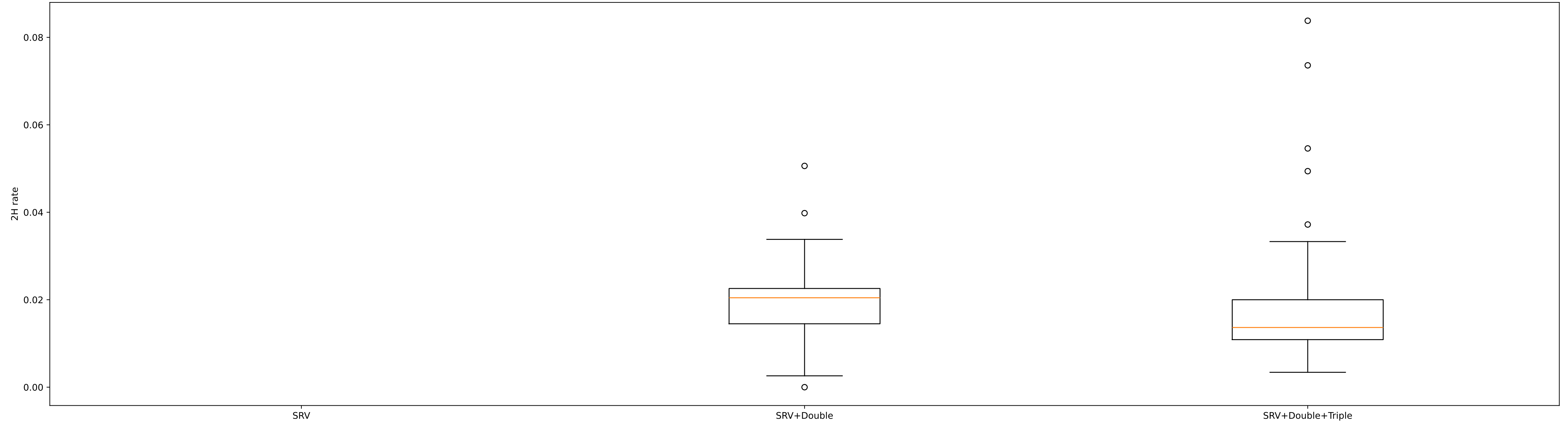
3H rates (reference) by run type

3H rates (test) by run type
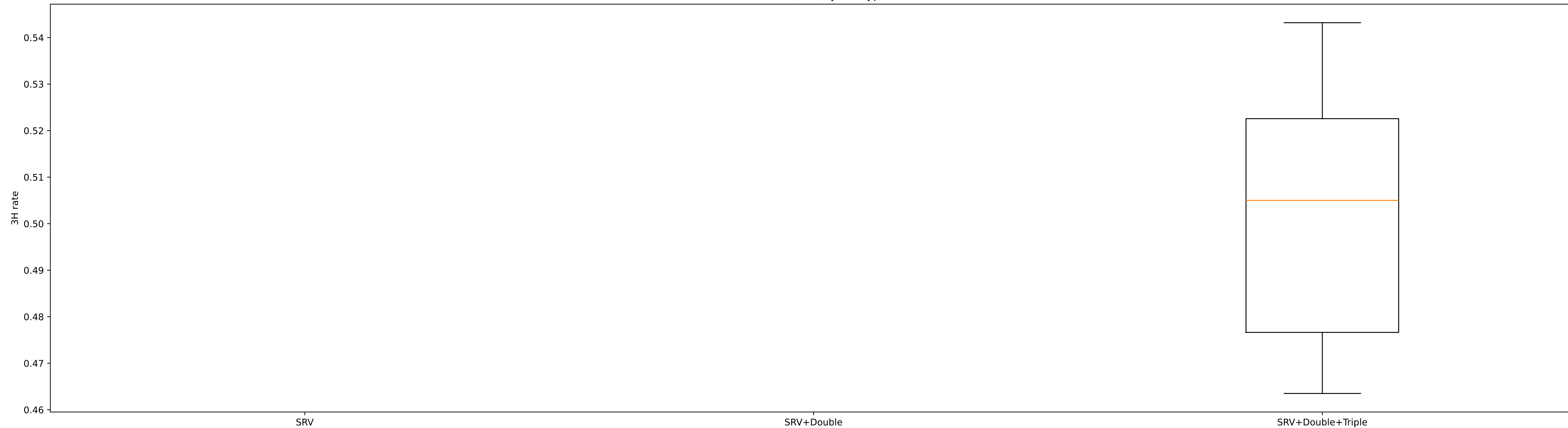
	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3362	1.19	0.2422	0.1975	
	2	0.3401	1.19	0.2421	0.1978	
	3	0.3413	1.17	0.2422	0.1975	
	4	0.3384	1.2	0.2422	0.1975	
	5	0.3386	1.21	0.2422	0.1975	
	6	0.3368	1.2	0.2422	0.1975	
	7	0.3392	1.19	0.2422	0.1975	
	8	0.3433	1.17	0.2422	0.1975	
	9	0.3419	1.18	0.2422	0.1975	
	10	0.3385	1.2	0.2422	0.1975	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3402	1.3	0.1975	0.2422	0.1975
	2	0.3286	1.2	0.1975	0.2422	0.1975
	3	0.3338	1.27	0.1975	0.2422	0.1975
	4	0.3278	1.19	0.1975	0.2422	0.1975
	5	0.3211	1.19	0.1975	0.2422	0.1975
	6	0.3298	1.23	0.1975	0.2422	0.1975
	7	0.3318	1.19	0.1975	0.2422	0.1975
	8	0.3388	1.18	0.1975	0.2422	0.1975
	9	0.331	1.26	0.1975	0.2422	0.1975
	10	0.3278	1.18	0.1975	0.2422	0.1975

replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.1975	0.322	1.17	0.2422	0.1975	
2		0.3133	1.28	0.2422	0.1975	
3		0.3161	1.23	0.2422	0.1975	
4		0.3233	1.17	0.2422	0.1975	
5		0.3174	1.17	0.2422	0.1975	
6		0.3156	1.23	0.2422	0.1975	
7		0.3172	1.22	0.2422	0.1975	
8		0.3214	1.18	0.2422	0.1975	
9		0.3196	1.17	0.2422	0.1975	
10		0.3224	1.17	0.2422	0.1975	

Ω-class distributions (all) (cols 1-7/7)

test	Negative selection	0.085	86.619	SRV+Double
test	Negative selection	0.125	86.619	SRV+Double
test	Neutral evolution	1.0	3.084	SRV+Double
test	Neutral evolution	1.0	3.084	SRV+Double
reference	Diversifying selection	0.0	9.897	SRV+Double
reference	Negative selection	0.104	85.409	SRV+Double
reference	Neutral evolution	1.0	4.693	SRV+Double
test	Diversifying selection	1.073	9.897	SRV+Double
test	Negative selection	0.104	85.409	SRV+Double
test	Neutral evolution	1.0	4.693	SRV+Double
reference	Diversifying selection	1.027	14.221	SRV+Double
reference	Negative selection	0.0	0.0	SRV+Double
reference	Negative selection	0.121	85.779	SRV+Double
test	Diversifying selection	1.032	14.221	SRV+Double
test	Diversifying selection	1.027	14.221	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.081	85.779	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.121	85.779	SRV+Double
reference	Diversifying selection	1.054	14.171	SRV+Double
reference	Negative selection	0.0	1.298	SRV+Double
reference	Negative selection	0.108	84.53	SRV+Double
test	Diversifying selection	1.054	14.171	SRV+Double
test	Negative selection	0.0	1.298	SRV+Double
test	Negative selection	0.108	84.53	SRV+Double
reference	Negative selection	0.05	55.661	SRV+Double
reference	Negative selection	0.275	30.398	SRV+Double
reference	Neutral evolution	1.0	13.941	SRV+Double
test	Negative selection	0.025	55.661	SRV+Double
test	Negative selection	0.205	30.398	SRV+Double
test	Negative selection	0.05	55.661	SRV+Double
test	Negative selection	0.275	30.398	SRV+Double
test	Neutral evolution	1.0	13.941	SRV+Double
test	Neutral evolution	1.0	13.941	SRV+Double
reference	Negative selection	0.044	61.491	SRV+Double
reference	Negative selection	0.279	23.663	SRV+Double
reference	Neutral evolution	1.0	14.847	SRV+Double
test	Negative selection	0.044	61.491	SRV+Double
test	Negative selection	0.279	23.663	SRV+Double
test	Neutral evolution	1.0	14.847	SRV+Double
reference	Diversifying selection	1.054	9.345	SRV+Double
reference	Negative selection	0.123	86.135	SRV+Double
reference	Neutral evolution	1.0	4.52	SRV+Double
test	Diversifying selection	1.065	9.345	SRV+Double
test	Diversifying selection	1.054	9.345	SRV+Double
test	Negative selection	0.083	86.135	SRV+Double
test	Negative selection	0.123	86.135	SRV+Double
test	Neutral evolution	1.0	4.52	SRV+Double
test	Neutral evolution	1.0	4.52	SRV+Double
reference	Diversifying selection	1.04	8.942	SRV+Double

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	7.374	SRV	
	2	1.08	70.505	SRV	
	3	1.08	22.122	SRV	
	1	0.0	7.351	SRV	
	2	1.077	0.0	SRV	
	3	1.079	92.649	SRV	
	1	0.0	7.445	SRV	
	2	1.08	18.777	SRV	
	3	1.08	73.778	SRV	
	1	0.0	7.377	SRV	
	2	1.08	0.868	SRV	
	3	1.08	91.756	SRV	
	1	0.0	7.35	SRV	
	2	1.079	4.033	SRV	
	3	1.079	88.617	SRV	
	1	0.0	7.27	SRV	
	2	1.078	4.53	SRV	
	3	1.078	88.2	SRV	
	1	0.0	7.388	SRV	
	2	1.08	91.269	SRV	
	3	1.08	1.343	SRV	
	1	0.0	7.431	SRV	
	2	1.08	87.901	SRV	
	3	1.08	4.668	SRV	
	1	0.0	7.458	SRV	
	2	1.081	19.391	SRV	
	3	1.081	73.151	SRV	
	1	0.0	7.378	SRV	
	2	1.08	1.682	SRV	
	3	1.08	90.94	SRV	

test	2H	0.0	SRV+Double+Triple
test	3H	0.4741	SRV+Double+Triple
test	3H	0.5196	SRV+Double+Triple
reference	2H	0.0838	SRV+Double+Triple
reference	2H	0.0112	SRV+Double+Triple
reference	3H	0.4784	SRV+Double+Triple
reference	3H	0.272	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.5432	SRV+Double+Triple
reference	2H	0.0164	SRV+Double+Triple
reference	2H	0.0099	SRV+Double+Triple
reference	3H	0.2682	SRV+Double+Triple
reference	3H	0.2705	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.4636	SRV+Double+Triple
test	3H	0.512	SRV+Double+Triple
reference	2H	0.0333	SRV+Double+Triple
reference	2H	0.013	SRV+Double+Triple
reference	3H	0.4233	SRV+Double+Triple
reference	3H	0.2784	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.5099	SRV+Double+Triple
reference	2H	0.0127	SRV+Double+Triple
reference	2H	0.0088	SRV+Double+Triple
reference	3H	0.2696	SRV+Double+Triple
reference	3H	0.2747	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.4655	SRV+Double+Triple
test	3H	0.5216	SRV+Double+Triple
reference	2H	0.0546	SRV+Double+Triple
reference	2H	0.0198	SRV+Double+Triple
reference	3H	0.4491	SRV+Double+Triple
reference	3H	0.2879	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.4999	SRV+Double+Triple
reference	2H	0.0133	SRV+Double+Triple
reference	2H	0.0053	SRV+Double+Triple
reference	3H	0.2748	SRV+Double+Triple
reference	3H	0.2749	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.4752	SRV+Double+Triple
test	3H	0.5257	SRV+Double+Triple
reference	2H	0.0197	SRV+Double+Triple
reference	2H	0.0189	SRV+Double+Triple
reference	3H	0.4137	SRV+Double+Triple
reference	3H	0.2863	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.4977	SRV+Double+Triple
reference	2H	0.015	SRV+Double+Triple
reference	2H	0.0046	SRV+Double+Triple