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
0.3797	0.2986	1.0	1.21	1.2	1.51	0.2394	0.1697	9	nan	nan
0.3138	0.3095	0.5882	1.19	1.18	1.2	0.2394	0.1697	10	0.0892	0.0
0.3106	0.3098	0.3114	1.18	1.18	1.18	0.2394	0.1697	10	0.1016	0.0

K (alternative) by run type

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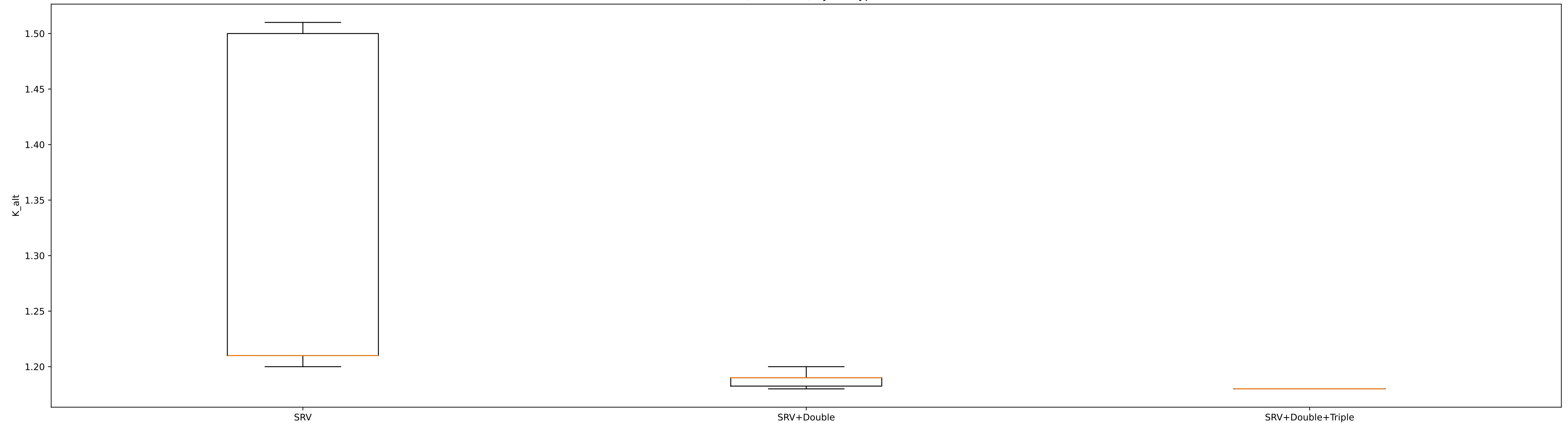
RELAX LRT p-values by run type
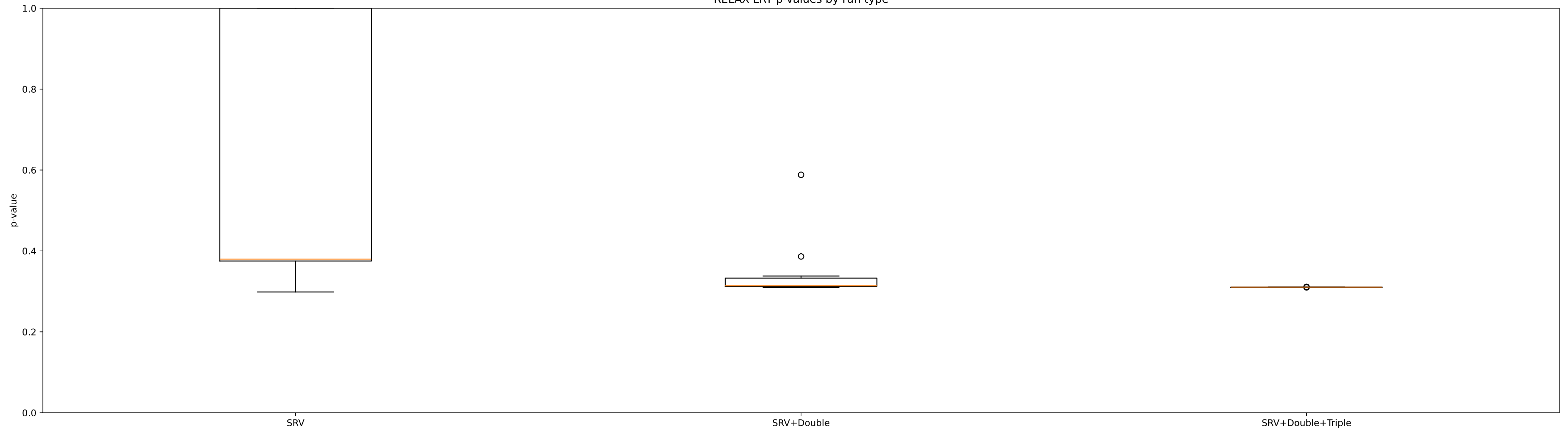
2H rates (reference) by run type

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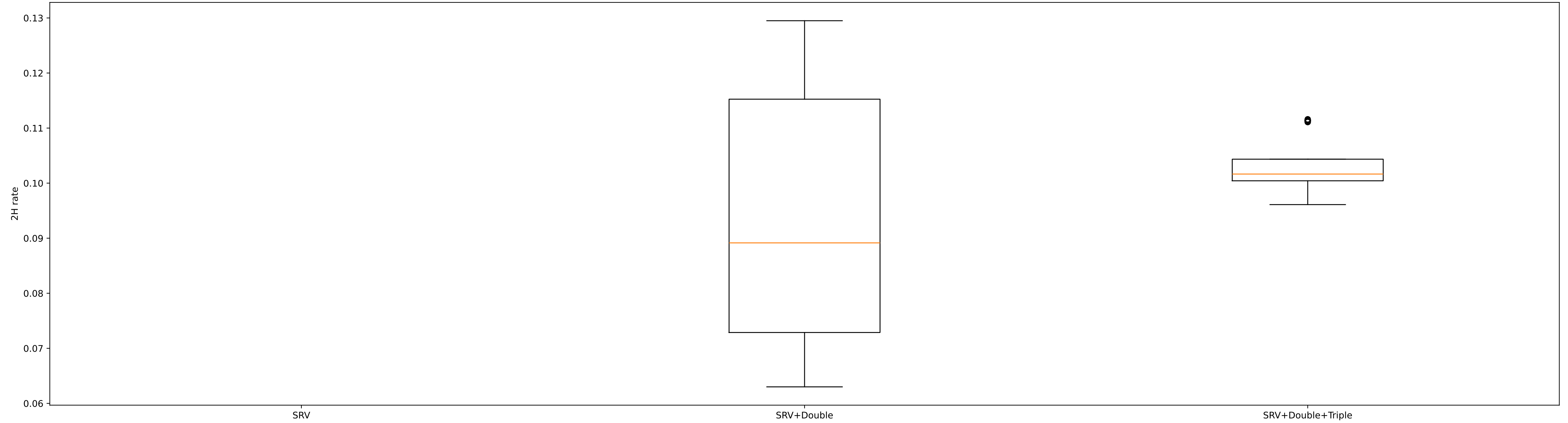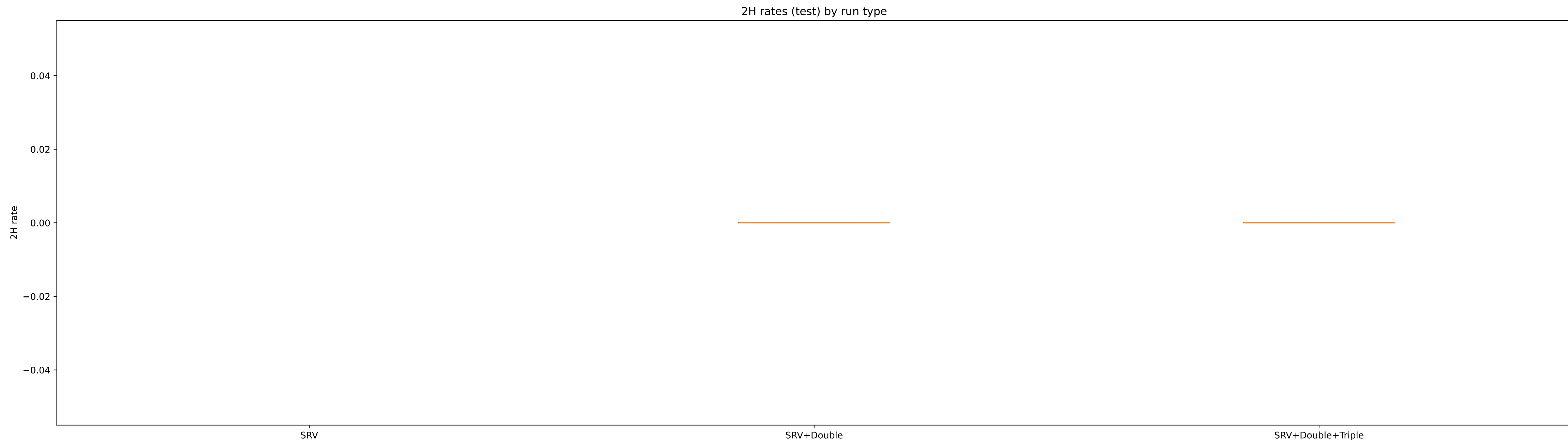
3H rates (reference) by run type

3H rates (test) by run type

3H rate

SRV
SRV+Double
SRV+Double+Triple

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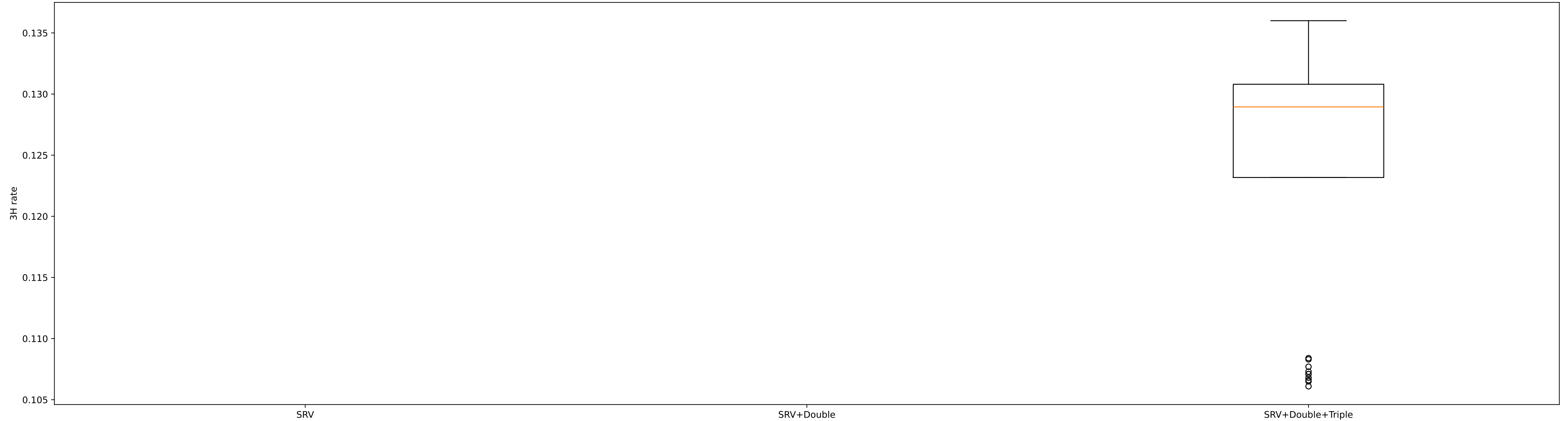
replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.3751	1.21	0.2394	0.1697	
2	nan	nan	0.2394	0.1697	
3	0.3132	1.21	0.2394	0.1697	
4	0.3796	1.2	0.2394	0.1697	
5	1.0	1.5	0.2394	0.1697	
6	0.4409	1.21	0.2394	0.1697	
7	1.0	1.51	0.2394	0.1697	
8	0.3797	1.2	0.2394	0.1697	
9	1.0	1.51	0.2394	0.1697	
10	0.2986	1.21	0.2394	0.1697	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.338	1.2	0.2394	0.1697	
	2	0.3124	1.19	0.2394	0.1697	
	3	0.3136	1.19	0.2395	0.1696	
	4	0.3128	1.19	0.2394	0.1697	
	5	0.3113	1.18	0.2394	0.1697	
	6	0.5882	1.18	0.2394	0.1697	
	7	0.314	1.19	0.2394	0.1697	
	8	0.3174	1.18	0.2394	0.1697	
	9	0.3095	1.19	0.2394	0.1697	
	10	0.3863	1.2	0.2394	0.1697	

replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1		0.3103	1.18	0.2394	0.1697	
2		0.3098	1.18	0.2394	0.1697	
3		0.3105	1.18	0.2394	0.1697	
4		0.3106	1.18	0.2394	0.1697	
5		0.3106	1.18	0.2394	0.1697	
6		0.3103	1.18	0.2394	0.1697	
7		0.3104	1.18	0.2394	0.1697	
8		0.3114	1.18	0.2399	0.1693	
9		0.3106	1.18	0.2394	0.1697	
10		0.3108	1.18	0.2394	0.1697	

test	Negative selection	0.161	0.508	SRV+Double
test	Negative selection	0.199	99.492	SRV+Double
reference	Diversifying selection	1.5	0.0	SRV+Double
reference	Negative selection	0.199	65.723	SRV+Double
reference	Negative selection	0.24	34.277	SRV+Double
test	Diversifying selection	1.614	0.0	SRV+Double
test	Diversifying selection	1.5	0.0	SRV+Double
test	Negative selection	0.148	65.723	SRV+Double
test	Negative selection	0.186	34.277	SRV+Double
test	Negative selection	0.199	65.723	SRV+Double
test	Negative selection	0.24	34.277	SRV+Double
reference	Diversifying selection	2.85	0.0	SRV+Double
reference	Negative selection	0.193	78.552	SRV+Double
reference	Negative selection	0.217	21.448	SRV+Double
test	Diversifying selection	2.85	0.0	SRV+Double
test	Negative selection	0.193	78.552	SRV+Double
test	Negative selection	0.217	21.448	SRV+Double
reference	Diversifying selection	6.89	0.0	SRV+Double
reference	Negative selection	0.041	0.0	SRV+Double
reference	Negative selection	0.212	100.0	SRV+Double
test	Diversifying selection	9.762	0.0	SRV+Double
test	Diversifying selection	6.89	0.0	SRV+Double
test	Negative selection	0.023	0.0	SRV+Double
test	Negative selection	0.16	100.0	SRV+Double
test	Negative selection	0.041	0.0	SRV+Double
test	Negative selection	0.212	100.0	SRV+Double
reference	Diversifying selection	102.793	0.035	SRV+Double
reference	Negative selection	0.19	0.07	SRV+Double
reference	Negative selection	0.198	99.894	SRV+Double
test	Diversifying selection	102.793	0.035	SRV+Double
test	Negative selection	0.19	0.07	SRV+Double
test	Negative selection	0.198	99.894	SRV+Double
reference	Diversifying selection	1.546	0.0	SRV+Double
reference	Negative selection	0.0	4.384	SRV+Double
reference	Negative selection	0.224	95.616	SRV+Double
test	Diversifying selection	1.681	0.0	SRV+Double
test	Diversifying selection	1.546	0.0	SRV+Double
test	Negative selection	0.0	4.384	SRV+Double
test	Negative selection	0.168	95.616	SRV+Double
test	Negative selection	0.0	4.384	SRV+Double
test	Negative selection	0.224	95.616	SRV+Double
reference	Diversifying selection	2.608	0.0	SRV+Double
reference	Negative selection	0.196	0.896	SRV+Double
reference	Negative selection	0.198	99.104	SRV+Double
test	Diversifying selection	2.608	0.0	SRV+Double
test	Negative selection	0.196	0.896	SRV+Double
test	Negative selection	0.198	99.104	SRV+Double
reference	Diversifying selection	109.215	0.042	SRV+Double
reference	Negative selection	0.209	80.825	SRV+Double

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.506	46.204	SRV	
	2	0.611	23.786	SRV	
	3	2.069	30.01	SRV	
	1	0.022	20.263	SRV	
	2	1.1	73.712	SRV	
	3	3.062	6.026	SRV	
	1	0.496	46.894	SRV	
	2	0.638	23.086	SRV	
	3	2.066	30.02	SRV	
	1	0.526	23.214	SRV	
	2	0.538	44.182	SRV	
	3	1.963	32.604	SRV	
	1	0.024	20.312	SRV	
	2	1.104	74.326	SRV	
	3	3.25	5.362	SRV	
	1	0.507	48.605	SRV	
	2	0.621	19.175	SRV	
	3	1.969	32.219	SRV	
	1	0.529	60.651	SRV	
	2	0.6	9.056	SRV	
	3	2.062	30.293	SRV	
	1	0.02	19.792	SRV	
	2	1.069	71.829	SRV	
	3	2.725	8.379	SRV	
	1	0.483	34.946	SRV	
	2	0.708	39.718	SRV	
	3	2.171	25.335	SRV	

test	3H	0.0	SRV+Double+Triple
reference	2H	0.1113	SRV+Double+Triple
reference	2H	0.1007	SRV+Double+Triple
reference	3H	0.1355	SRV+Double+Triple
reference	3H	0.1281	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.0988	SRV+Double+Triple
reference	2H	0.1013	SRV+Double+Triple
reference	3H	0.1071	SRV+Double+Triple
reference	3H	0.1289	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.1114	SRV+Double+Triple
reference	2H	0.1016	SRV+Double+Triple
reference	3H	0.1355	SRV+Double+Triple
reference	3H	0.1293	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.0986	SRV+Double+Triple
reference	2H	0.1015	SRV+Double+Triple
reference	3H	0.1068	SRV+Double+Triple
reference	3H	0.1291	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.1115	SRV+Double+Triple
reference	2H	0.1017	SRV+Double+Triple
reference	3H	0.1359	SRV+Double+Triple
reference	3H	0.1291	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.0984	SRV+Double+Triple
reference	2H	0.1013	SRV+Double+Triple
reference	3H	0.1073	SRV+Double+Triple
reference	3H	0.1285	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.1111	SRV+Double+Triple
reference	2H	0.102	SRV+Double+Triple
reference	3H	0.1355	SRV+Double+Triple
reference	3H	0.1289	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.0983	SRV+Double+Triple
reference	2H	0.1014	SRV+Double+Triple
reference	3H	0.1084	SRV+Double+Triple
reference	3H	0.1291	SRV+Double+Triple
test	2H	0.0	SRV+Double+Triple
test	3H	0.0	SRV+Double+Triple
reference	2H	0.1114	SRV+Double+Triple