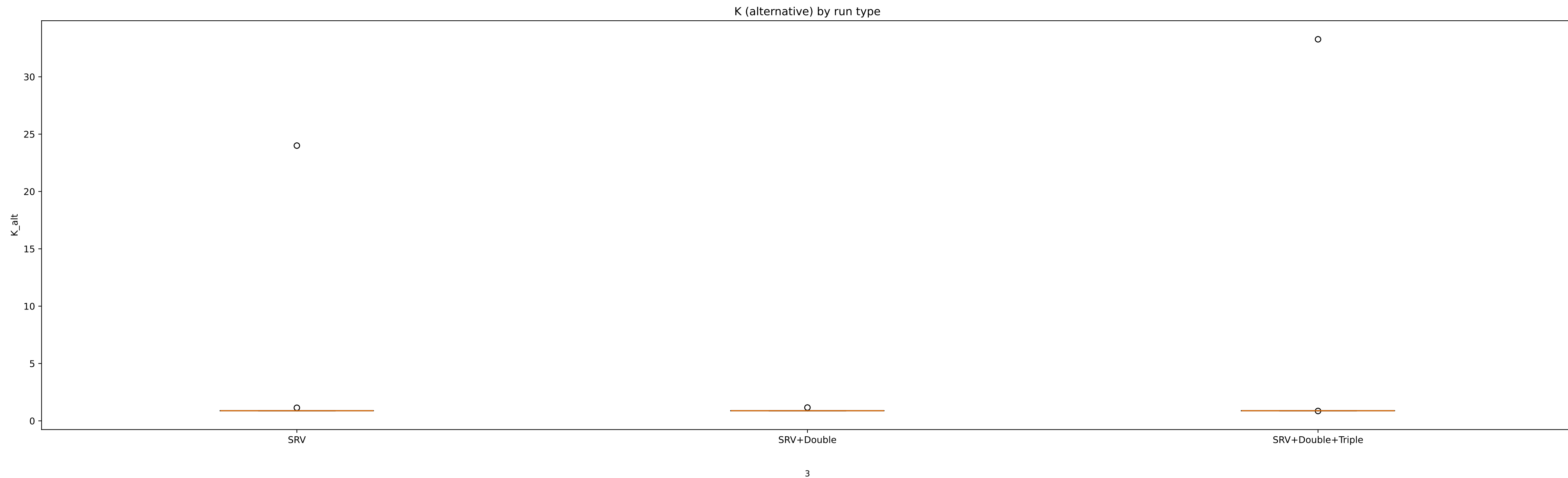# RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple
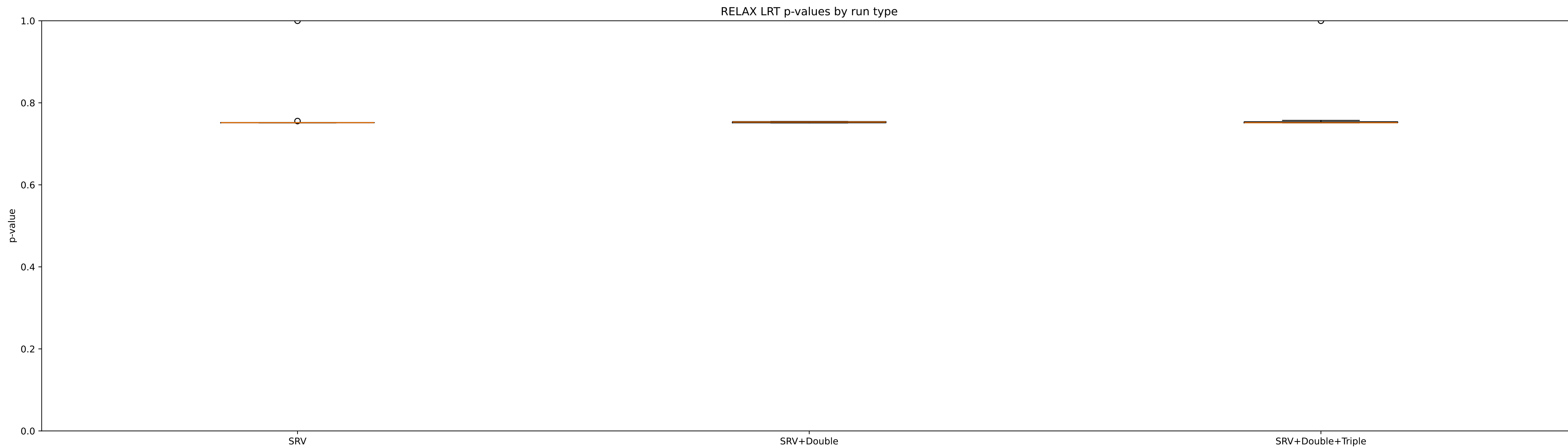
Includes:
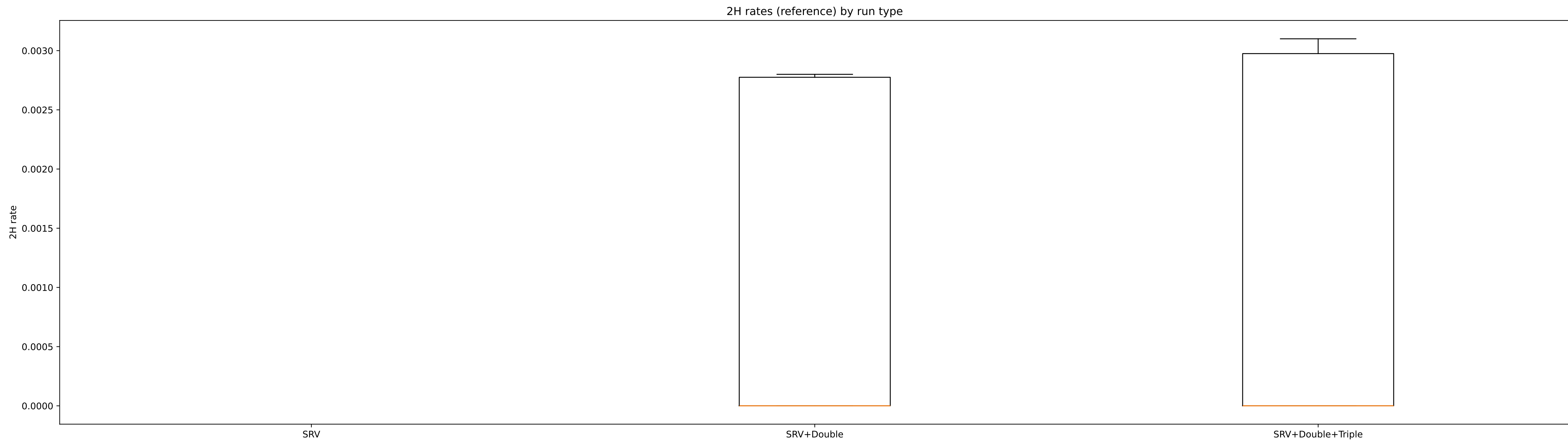
- Run-type summary

- 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
0.7516	0.7512	1.0	0.88	0.88	24.0	0.2314	0.2766	10	nan	nan
0.7531	0.7511	0.7545	0.88	0.88	1.16	0.2314	0.2766	10	0.0	0.0
0.7514	0.7512	1.0	0.88	0.86	33.27	0.2314	0.2766	10	0.0	0.0

K (alternative) by run type

3

RELAX LRT p-values by run type

2H rates (reference) by run type

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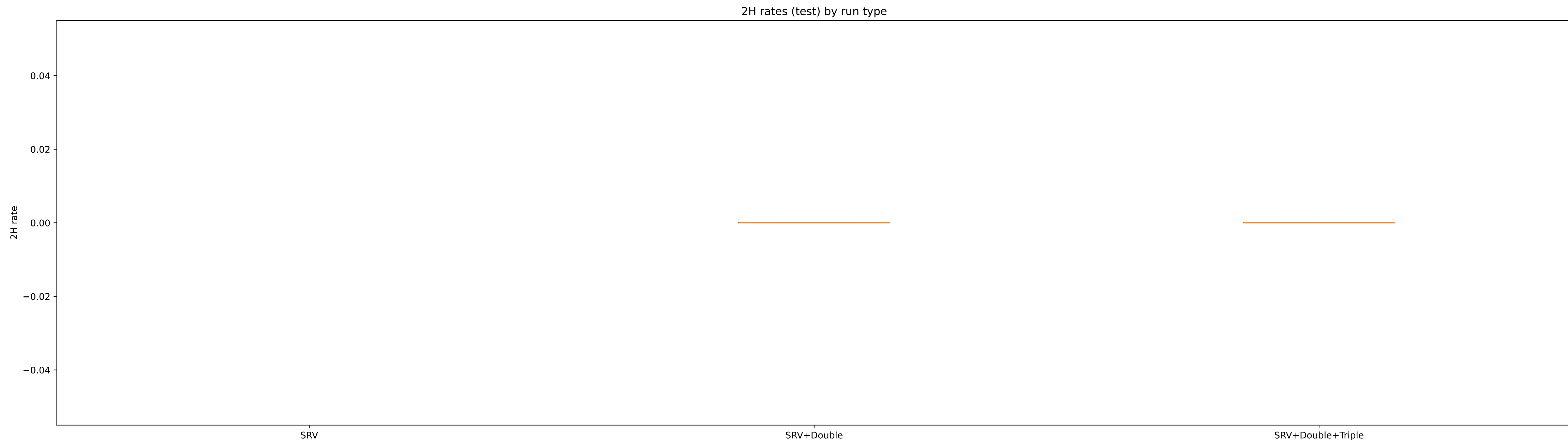
3H rates (reference) by run type

3H rates (test) by run type

	replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.7518	0.88	0.2314	0.2766	
	2		0.7512	1.14	0.2314	0.2766	
	3		0.7513	0.88	0.2314	0.2766	
	4		0.752	0.88	0.2314	0.2766	
	5		0.7514	0.88	0.2314	0.2766	
	6		0.7514	0.88	0.2313	0.2762	
	7		0.7555	0.88	0.2314	0.2766	
	8		1.0	24.0	0.2314	0.2766	
	9		0.7518	0.88	0.2314	0.2766	
	10		0.7512	0.88	0.2314	0.2766	

	replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.7512	0.88	0.2314	0.2766	
	2		0.7519	0.88	0.2314	0.2766	
	3		0.7533	0.88	0.2314	0.2766	
	4		0.7529	0.88	0.2314	0.2766	
	5		0.7512	0.88	0.2314	0.2766	
	6		0.7534	0.88	0.2314	0.2766	
	7		0.7545	0.88	0.2313	0.2762	
	8		0.7544	0.88	0.2313	0.2762	
	9		0.7545	0.88	0.2314	0.2766	
	10		0.7511	1.16	0.2314	0.2766	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7514	0.88	0.2314	0.2766	
	2	0.7523	0.88	0.2314	0.2766	
	3	0.7515	0.88	0.2314	0.2766	
	4	0.7513	0.88	0.2314	0.2766	
	5	0.7514	0.88	0.2314	0.2766	
	6	0.7513	0.88	0.2314	0.2766	
	7	0.7541	0.88	0.2314	0.2766	
	8	0.7571	33.27	0.2314	0.2766	
	9	0.7512	0.88	0.2313	0.2762	
	10	1.0	0.86	0.2314	0.2766	

test	Negative selection	0.237	35.117	SRV+Double
test	Negative selection	0.293	64.883	SRV+Double
test	Negative selection	0.194	35.117	SRV+Double
test	Negative selection	0.247	64.883	SRV+Double
reference	Diversifying selection		0.0	SRV+Double
reference	Negative selection	0.199	32.365	SRV+Double
reference	Negative selection	0.247	67.635	SRV+Double
test	Diversifying selection	1.313	0.0	SRV+Double
test	Negative selection	0.199	32.365	SRV+Double
test	Negative selection	0.247	67.635	SRV+Double
reference	Diversifying selection	2.509	0.0	SRV+Double
reference	Negative selection	0.165	0.0	SRV+Double
reference	Negative selection	0.228	100.0	SRV+Double
test	Diversifying selection	2.243	0.0	SRV+Double
test	Diversifying selection	2.509	0.0	SRV+Double
test	Negative selection	0.205	0.0	SRV+Double
test	Negative selection	0.273	100.0	SRV+Double
test	Negative selection	0.165	0.0	SRV+Double
test	Negative selection	0.228	100.0	SRV+Double
reference	Diversifying selection	1.937	0.0	SRV+Double
reference	Negative selection	0.152	0.0	SRV+Double
reference	Negative selection	0.231	100.0	SRV+Double
test	Diversifying selection	1.937	0.0	SRV+Double
test	Negative selection	0.152	0.0	SRV+Double
test	Negative selection	0.231	100.0	SRV+Double
reference	Diversifying selection	1.178	0.0	SRV+Double
reference	Negative selection	0.19	29.824	SRV+Double
reference	Negative selection	0.245	70.176	SRV+Double
test	Diversifying selection	1.155	0.0	SRV+Double
test	Diversifying selection	1.178	0.0	SRV+Double
test	Negative selection	0.232	29.824	SRV+Double
test	Negative selection	0.291	70.176	SRV+Double
test	Negative selection	0.19	29.824	SRV+Double
test	Negative selection	0.245	70.176	SRV+Double
reference	Diversifying selection	1.167	0.0	SRV+Double
reference	Negative selection	0.2	32.172	SRV+Double
reference	Negative selection	0.247	67.828	SRV+Double
test	Diversifying selection	1.167	0.0	SRV+Double
test	Negative selection	0.2	32.172	SRV+Double
test	Negative selection	0.247	67.828	SRV+Double
reference	Diversifying selection	1.106	0.0	SRV+Double
reference	Negative selection	0.192	38.727	SRV+Double
reference	Negative selection	0.251	61.273	SRV+Double
test	Diversifying selection	1.093	0.0	SRV+Double
test	Diversifying selection	1.106	0.0	SRV+Double
test	Negative selection	0.235	38.727	SRV+Double
test	Negative selection	0.297	61.273	SRV+Double
test	Negative selection	0.192	38.727	SRV+Double
test	Negative selection	0.251	61.273	SRV+Double
reference	Diversifying selection	1.281	0.0	SRV+Double

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

class_id	syn_rate	proportion_per cent	run_type
1	0.0	50.404	SRV
2	1.565	0.0	SRV
3	2.016	49.596	SRV
1	0.0	27.382	SRV
2	0.0	23.021	SRV
3	2.016	49.597	SRV
1	0.0	13.295	SRV
2	0.0	37.107	SRV
3	2.016	49.598	SRV
1	0.0	13.106	SRV
2	0.0	37.296	SRV
3	2.016	49.598	SRV
1	0.0	10.504	SRV
2	0.0	39.899	SRV
3	2.016	49.597	SRV
1	0.0	16.697	SRV
2	0.0	33.706	SRV
3	2.016	49.596	SRV
1	0.0	40.951	SRV
2	0.0	9.451	SRV
3	2.016	49.597	SRV
1	0.0	16.891	SRV
2	0.0	33.512	SRV
3	2.016	49.597	SRV
1	0.0	11.57	SRV
2	0.0	38.831	SRV
3	2.016	49.599	SRV
1	0.0	14.67	SRV
2	0.0	35.733	SRV
3	2.016	49.597	SRV

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

	reference	2H	0.0027	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.003	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	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	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.003	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	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	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.003	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	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	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.003	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	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	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0029	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	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	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	