RELAX Combined Report

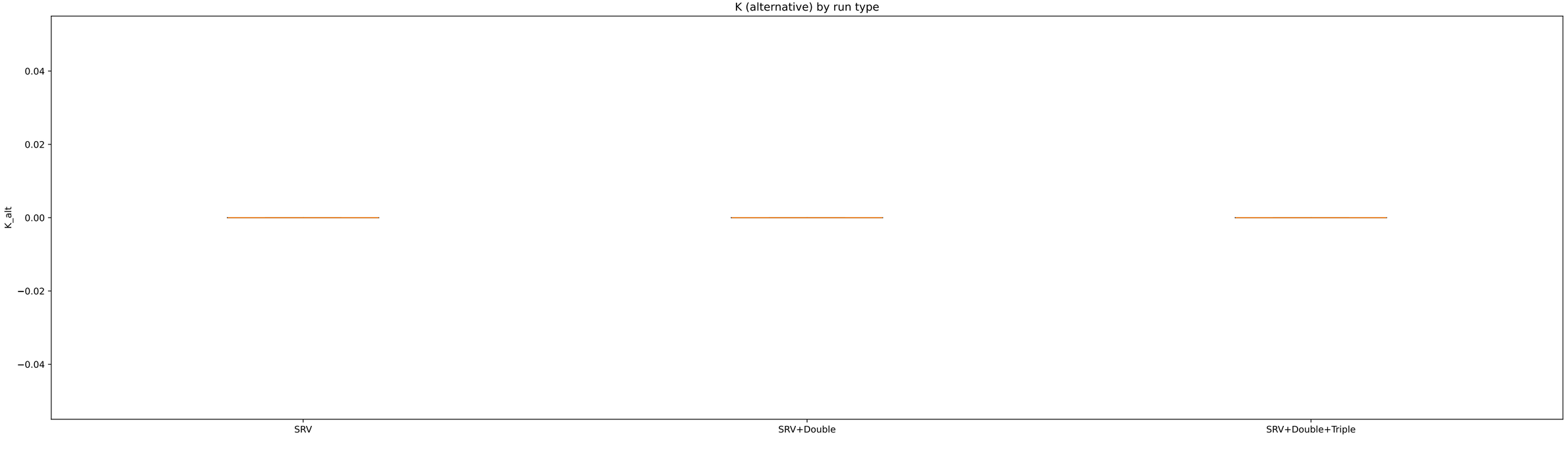
SRV vs SRV+Double vs SRV+Double+Triple

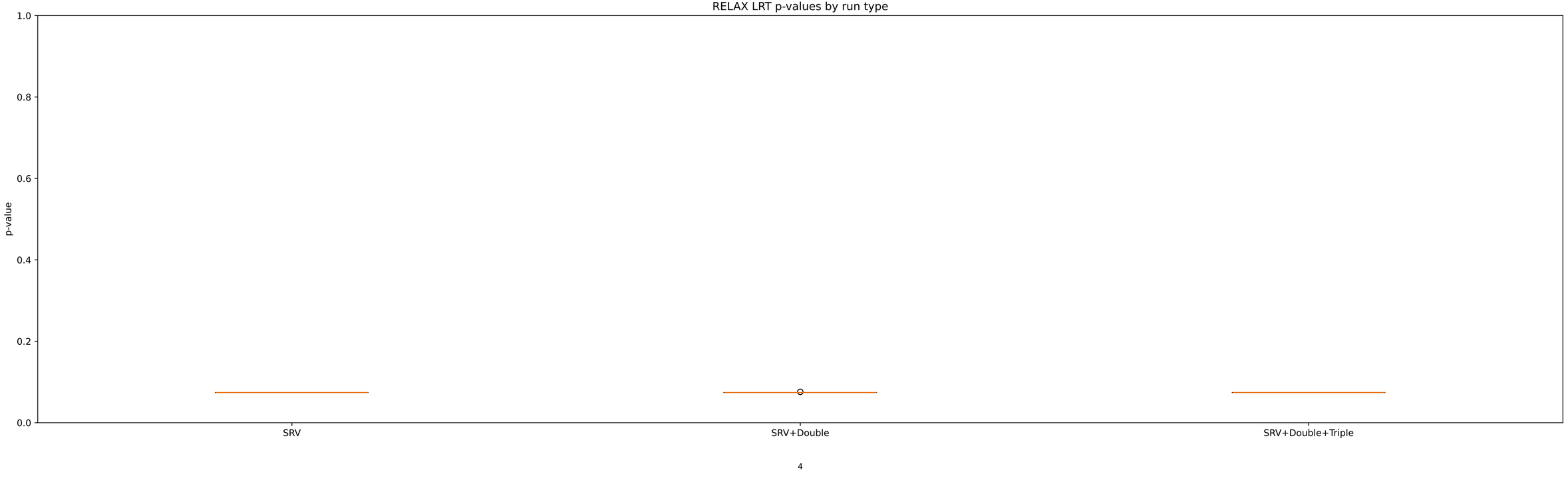
Includes:

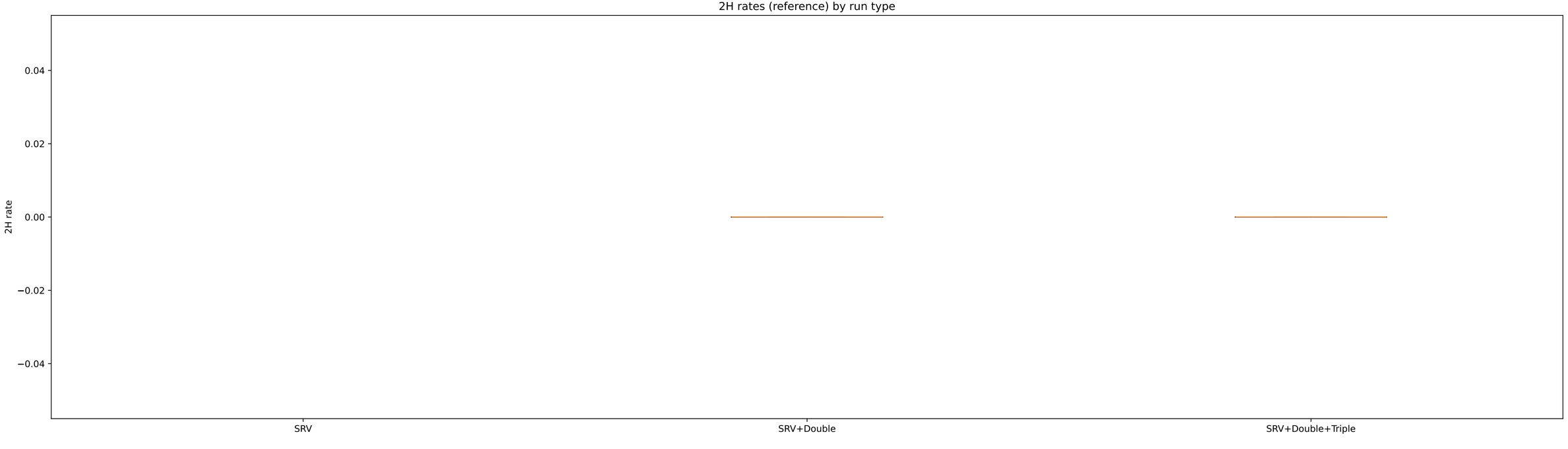
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

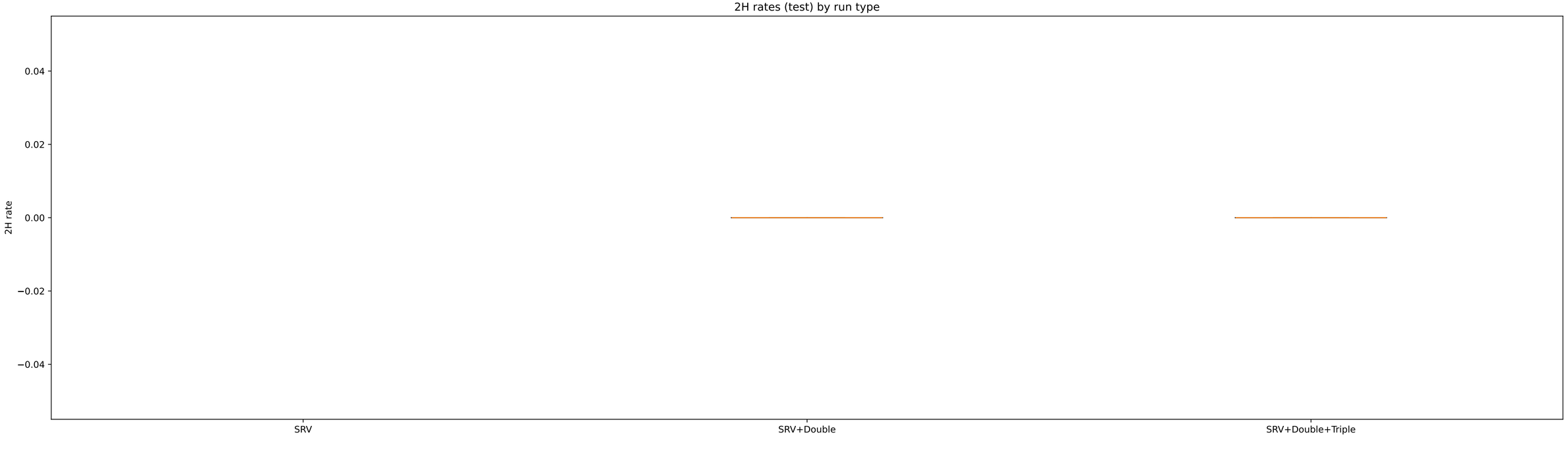
Run-type summary statistics

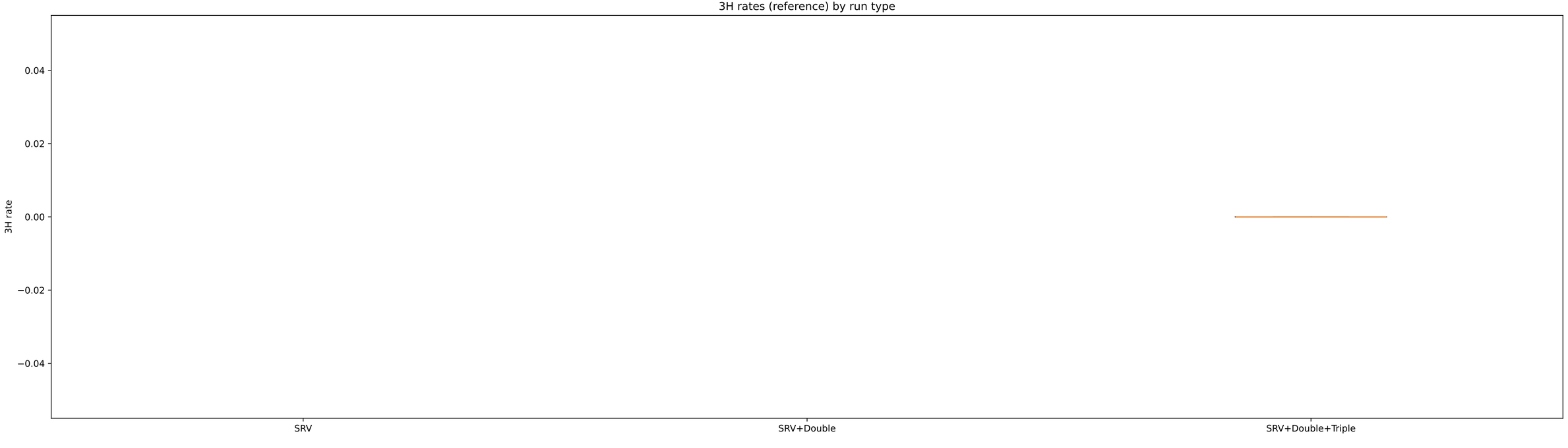
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_median	omega_test_median	warnings_count	2H_reference_median	2H_test_median
0.0743	0.0741	0.0743	0.0	0.0	0.0	0.2381	41.8842	10	nan	nan
0.0743	0.0741	0.0758	0.0	0.0	0.0	0.2381	41.8842	10	0.0	0.0
0.0742	0.0742	0.0743	0.0	0.0	0.0	0.2381	41.8842	10	0.0	0.0

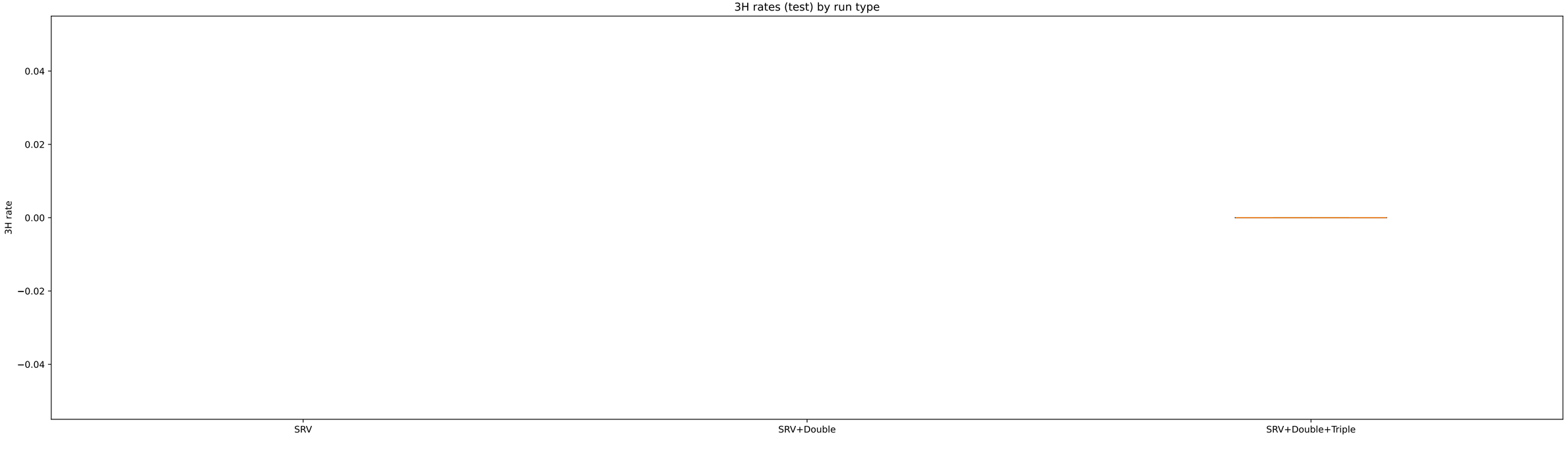

K (alternative) by run type
K_alt
0.04
0.02
0.00
−0.02
−0.04
SRV
SRV+Double
SRV+Double+Triple


RELAX LRT p-values by run type
p-value
1.0
0.8
0.6
0.4
0.2
0.0
SRV
SRV+Double
SRV+Double+Triple


2H rates (reference) by run type
2H rate
0.04
0.02
0.00
−0.02
−0.04
SRV
SRV+Double
SRV+Double+Triple


2H rates (test) by run type
2H rate
0.04
0.02
0.00
−0.02
−0.04
SRV
SRV+Double
SRV+Double+Triple


3H rates (reference) by run type
3H rate
0.04
0.02
0.00
−0.02
−0.04
SRV
SRV+Double
SRV+Double+Triple


3H rates (test) by run type
3H rate
0.04
0.02
0.00
−0.02
−0.04
SRV
SRV+Double
SRV+Double+Triple

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

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0743	0.0	0.2381	41.885	
	2	0.0743	0.0	0.2381	41.8842	
	3	0.0742	0.0	0.2381	41.8851	
	4	0.0743	0.0	0.2381	41.8841	
	5	0.0741	0.0	0.2381	41.8842	
	6	0.0743	0.0	0.2381	41.8842	
	7	0.0741	0.0	0.2381	41.8842	
	8	0.0743	0.0	0.2381	41.885	
	9	0.0742	0.0	0.2381	41.8841	
	10	0.0742	0.0	0.2381	41.8841	

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

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0742	0.0	0.2381	41.885	
	2	0.0743	0.0	0.2381	41.885	
	3	0.0743	0.0	0.2381	41.884	
	4	0.0742	0.0	0.2381	41.8841	
	5	0.0758	0.0	0.2381	41.8842	
	6	0.0742	0.0	0.2381	41.8841	
	7	0.0741	0.0	0.2381	41.8842	
	8	0.0743	0.0	0.2381	41.8842	
	9	0.0743	0.0	0.2381	41.8849	
	10	0.0741	0.0	0.2381	41.8841	

Replicate-level summary — SRV+Double+Triple (page 1/1)

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0742	0.0	0.2381	41.8841	
	2	0.0743	0.0	0.2381	41.885	
	3	0.0742	0.0	0.2381	41.8842	
	4	0.0743	0.0	0.2381	41.8841	
	5	0.0742	0.0	0.2381	41.8842	
	6	0.0742	0.0	0.2381	41.8849	
	7	0.0743	0.0	0.2381	41.8842	
	8	0.0742	0.0	0.2381	41.8842	
	9	0.0743	0.0	0.2381	41.8843	
	10	0.0742	0.0	0.2381	41.8841	

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

test	Negative selection	0.246	100.0	SRV+Double		
test	Neutral evolution	1.0	100.0	SRV+Double		
test	Neutral evolution	1.0	0.0	SRV+Double		
test	Neutral evolution	1.0	0.0	SRV+Double		
reference	Diversifying selection	1.0	0.0	SRV+Double		
reference	Negative selection	0.012	0.0	SRV+Double		
reference	Negative selection	0.292	100.0	SRV+Double		
test	Diversifying selection	1.462	0.0	SRV+Double		
test	Negative selection	0.012	0.0	SRV+Double		
test	Negative selection	0.292	100.0	SRV+Double		
reference	Diversifying selection	1.014	0.0	SRV+Double		
reference	Negative selection	0.128	0.0	SRV+Double		
reference	Negative selection	0.251	100.0	SRV+Double		
test	Diversifying selection	1.014	0.0	SRV+Double		
test	Negative selection	0.128	0.0	SRV+Double		
test	Negative selection	0.251	100.0	SRV+Double		
test	Neutral evolution	1.0	100.0	SRV+Double		
test	Neutral evolution	1.0	0.0	SRV+Double		
test	Neutral evolution	1.0	0.0	SRV+Double		
reference	Diversifying selection	1.006	0.0	SRV+Double		
reference	Negative selection	0.235	0.0	SRV+Double		
reference	Negative selection	0.298	100.0	SRV+Double		
test	Diversifying selection	1.006	0.0	SRV+Double		
test	Negative selection	0.235	0.0	SRV+Double		
test	Negative selection	0.298	100.0	SRV+Double		
reference	Diversifying selection	7.457	0.0	SRV+Double		
reference	Negative selection	0.006	0.0	SRV+Double		
reference	Negative selection	0.246	100.0	SRV+Double		
test	Diversifying selection	7.457	0.0	SRV+Double		
test	Negative selection	0.006	0.0	SRV+Double		
test	Negative selection	0.246	100.0	SRV+Double		
test	Neutral evolution	1.0	100.0	SRV+Double		
test	Neutral evolution	1.0	0.0	SRV+Double		
test	Neutral evolution	1.0	0.0	SRV+Double		
reference	Diversifying selection	1.641	0.0	SRV+Double		
reference	Negative selection	0.004	0.0	SRV+Double		
reference	Negative selection	0.292	100.0	SRV+Double		
test	Diversifying selection	1.641	0.0	SRV+Double		
test	Negative selection	0.004	0.0	SRV+Double		
test	Negative selection	0.292	100.0	SRV+Double		
reference	Diversifying selection	2.566	0.0	SRV+Double		
reference	Negative selection	0.243	1.01	SRV+Double		
reference	Negative selection	0.247	98.99	SRV+Double		
test	Diversifying selection	2.566	0.0	SRV+Double		
test	Negative selection	0.243	1.01	SRV+Double		
test	Negative selection	0.247	98.99	SRV+Double		
test	Neutral evolution	1.0	1.01	SRV+Double		
test	Neutral evolution	1.0	98.99	SRV+Double		
test	Neutral evolution	1.0	0.0	SRV+Double		
reference	Diversifying selection	1.047	0.0	SRV+Double		

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.022	57.085	SRV	
	2	0.222	32.773	SRV	
	3	9.018	10.142	SRV	
	1	0.0	56.456	SRV	
	2	0.273	33.542	SRV	
	3	9.082	10.003	SRV	
	1	0.0	54.404	SRV	
	2	0.292	35.883	SRV	
	3	9.218	9.713	SRV	
	1	0.0	57.334	SRV	
	2	0.321	32.946	SRV	
	3	9.2	9.719	SRV	
	1	0.066	59.203	SRV	
	2	0.128	30.495	SRV	
	3	8.948	10.302	SRV	
	1	0.019	58.519	SRV	
	2	0.249	31.434	SRV	
	3	9.064	10.047	SRV	
	1	0.078	58.056	SRV	
	2	0.11	31.679	SRV	
	3	8.961	10.265	SRV	
	1	0.002	57.277	SRV	
	2	0.288	32.822	SRV	
	3	9.134	9.901	SRV	
	1	0.041	59.691	SRV	
	2	0.171	29.926	SRV	
	3	8.903	10.383	SRV	
	1	0.052	58.267	SRV	
	2	0.171	31.553	SRV	
	3	8.996	10.18	SRV	

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

	test	2H	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	