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
0.1586	0.1585	0.1587	25.01	10.07	29.91	0.277	0.0	10	nan	nan
0.1586	0.1585	0.1629	18.72	4.19	35.02	0.2772	0.0	10	0.0	0.0
0.1586	0.1585	0.1586	24.335	12.36	26.06	0.277	0.0	10	0.0	0.0

K (alternative) by run type

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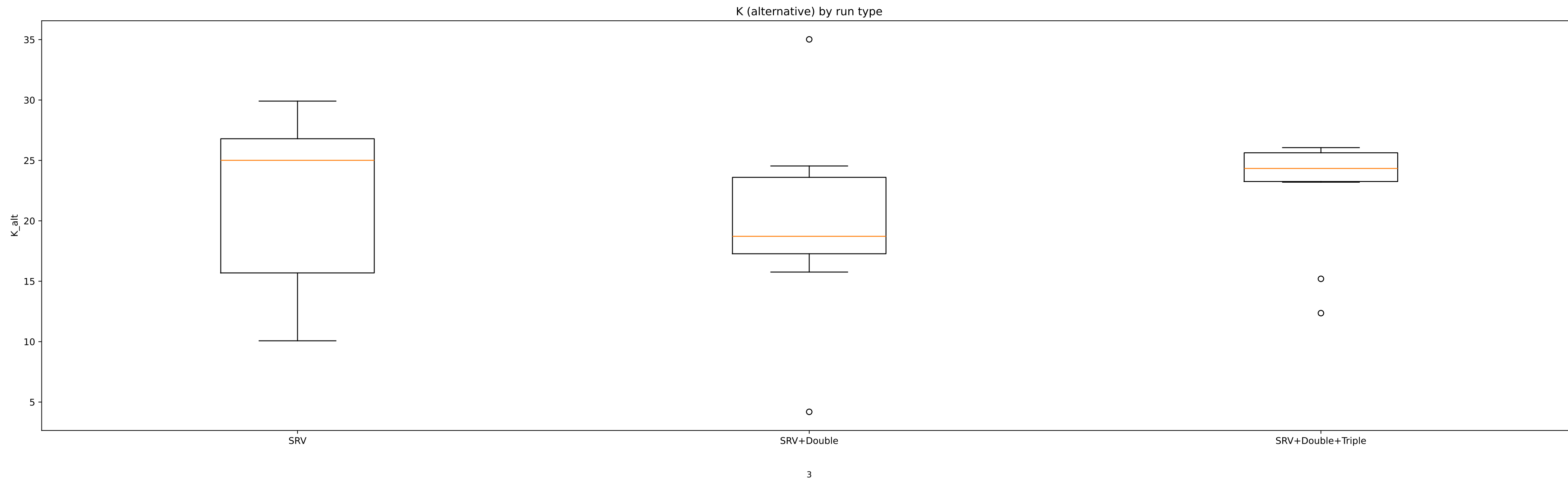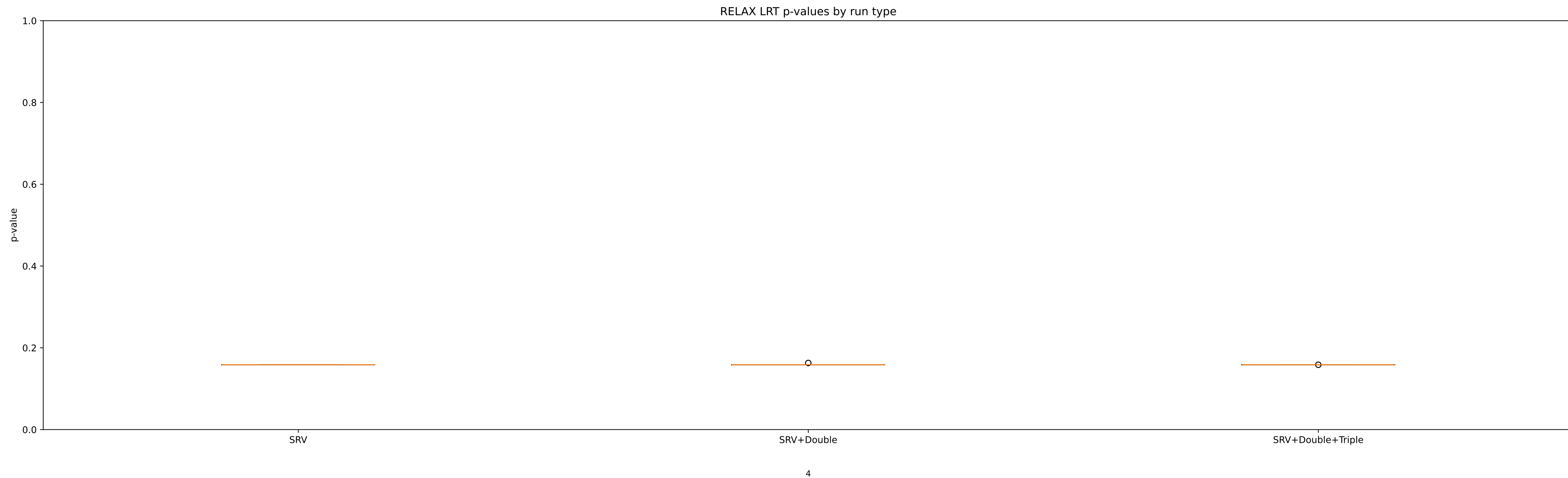
2H rates (reference) by run type

2H rates (test) by run type

3H rates (reference) by run type
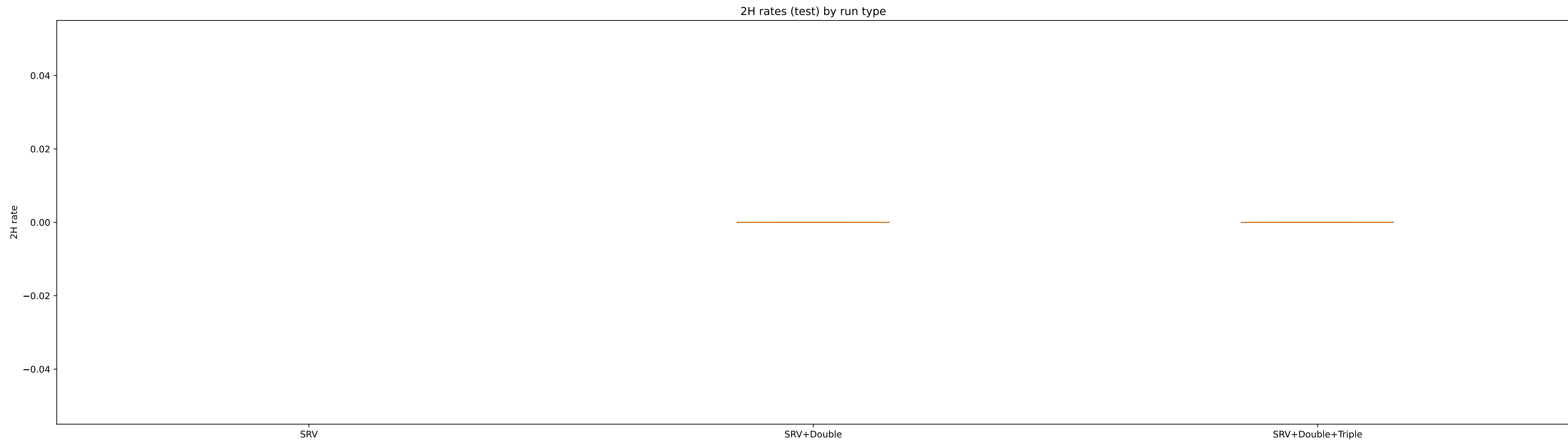
SRV   SRV+Double   SRV+Double+Triple
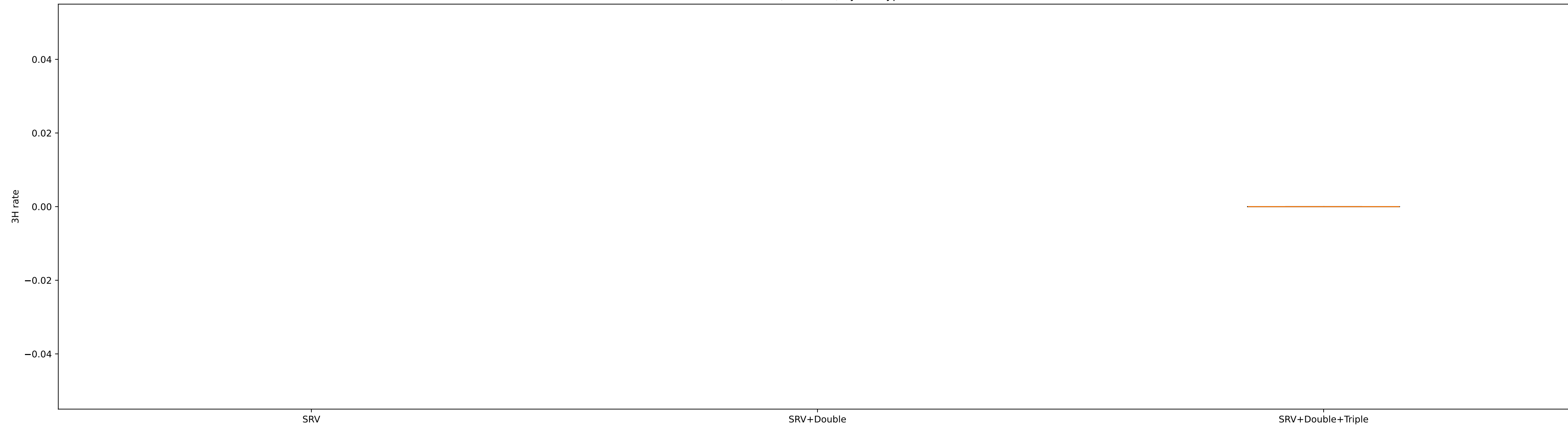
3H rates (test) by run type
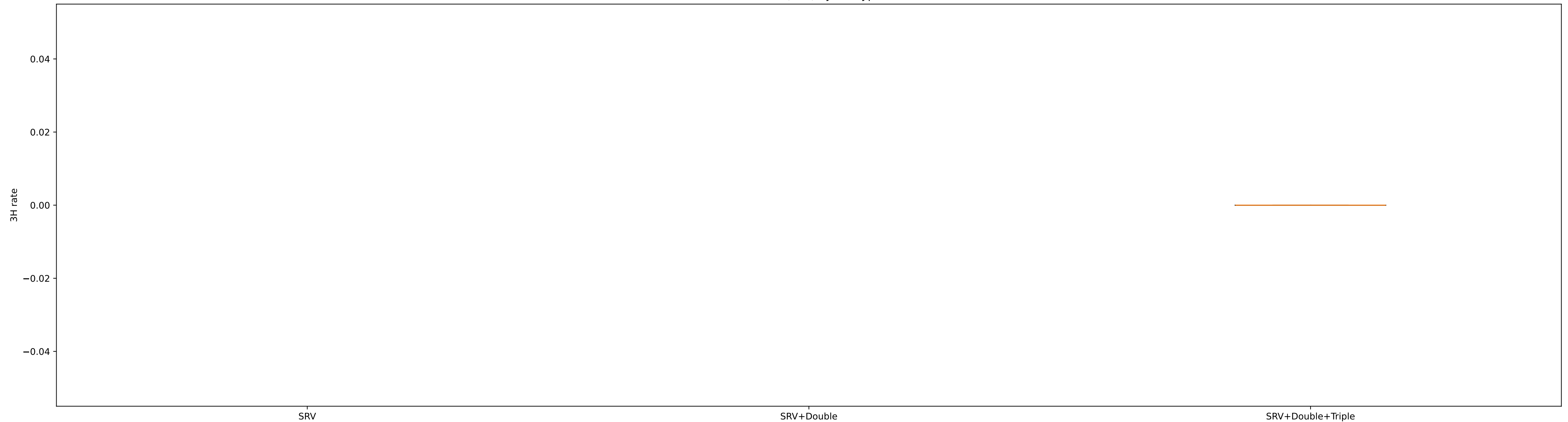
	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.1585	26.45	0.2772	0.0	
	2	0.1587	18.3	0.276	0.0	
	3	0.1586	26.93	0.277	0.0	
	4	0.1586	14.82	0.277	0.0	
	5	0.1585	26.91	0.2769	0.0	
	6	0.1586	10.07	0.276	0.0	
	7	0.1585	23.73	0.2769	0.0	
	8	0.1586	13.51	0.277	0.0	
	9	0.1585	26.29	0.2772	0.0	
	10	0.1585	29.91	0.277	0.0	

	replicate	global_dNdS_reference	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.1585	35.02	0.2772	0.0	
	2		0.1586	23.33	0.2772	0.0	
	3		0.1585	17.16	0.2772	0.0	
	4		0.1629	4.19	0.277	0.0	
	5		0.1585	24.54	0.277	0.0	
	6		0.1586	17.62	0.2772	0.0	
	7		0.1586	18.48	0.2772	0.0	
	8		0.1586	18.96	0.2769	0.0	
	9		0.1586	15.76	0.2772	0.0	
	10		0.1586	23.69	0.2769	0.0	

	replicate	global_dNdS_reference	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.1586	25.55	0.2772	0.0	
	2		0.1586	23.42	0.277	0.0	
	3		0.1586	25.98	0.2769	0.0	
	4		0.1585	24.19	0.277	0.0	
	5		0.1586	25.66	0.277	0.0	
	6		0.1586	12.36	0.276	0.0	
	7		0.1586	24.48	0.2772	0.0	
	8		0.1586	15.2	0.276	0.0	
	9		0.1586	23.2	0.2772	0.0	
	10		0.1586	26.06	0.2772	0.0	

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

test	Negative selection	0.004	100.0		SRV+Double
test	Negative selection	0.0	0.0		SRV+Double
test	Negative selection	0.272	100.0		SRV+Double
reference	Diversifying selection	7.807	0.0		SRV+Double
reference	Negative selection	0.002	0.0		SRV+Double
reference	Negative selection	0.266	100.0		SRV+Double
test	Diversifying selection	7.807	0.0		SRV+Double
test	Negative selection	0.002	0.0		SRV+Double
test	Negative selection	0.266	100.0		SRV+Double
reference	Diversifying selection	2.295	0.0		SRV+Double
reference	Negative selection	0.001	0.0		SRV+Double
reference	Negative selection	0.273	100.0		SRV+Double
test	Diversifying selection	2.295	0.0		SRV+Double
test	Negative selection	0.0	0.0		SRV+Double
test	Negative selection	0.0	100.0		SRV+Double
test	Negative selection	0.001	0.0		SRV+Double
test	Negative selection	0.273	100.0		SRV+Double
reference	Diversifying selection	6.143	0.0		SRV+Double
reference	Negative selection	0.003	0.0		SRV+Double
reference	Negative selection	0.266	100.0		SRV+Double
test	Diversifying selection	6.143	0.0		SRV+Double
test	Negative selection	0.003	0.0		SRV+Double
test	Negative selection	0.266	100.0		SRV+Double
reference	Diversifying selection	3.648	0.0		SRV+Double
reference	Negative selection	0.273	100.0		SRV+Double
reference	Negative selection	0.854	0.0		SRV+Double
test	Diversifying selection	3.648	0.0		SRV+Double
test	Negative selection	0.0	100.0		SRV+Double
test	Negative selection	0.062	0.0		SRV+Double
test	Negative selection	0.273	100.0		SRV+Double
test	Negative selection	0.854	0.0		SRV+Double
reference	Diversifying selection	1.211	0.0		SRV+Double
reference	Negative selection	0.266	100.0		SRV+Double
reference	Negative selection	0.681	0.0		SRV+Double
test	Diversifying selection	1.211	0.0		SRV+Double
test	Negative selection	0.266	100.0		SRV+Double
test	Negative selection	0.681	0.0		SRV+Double
reference	Diversifying selection	3.441	0.0		SRV+Double
reference	Negative selection	0.272	100.0		SRV+Double
reference	Negative selection	0.744	0.0		SRV+Double
test	Diversifying selection	3.441	0.0		SRV+Double
test	Negative selection	0.0	100.0		SRV+Double
test	Negative selection	0.004	0.0		SRV+Double
test	Negative selection	0.272	100.0		SRV+Double
test	Negative selection	0.744	0.0		SRV+Double
reference	Diversifying selection	1.261	0.0		SRV+Double
reference	Negative selection	0.266	100.0		SRV+Double
reference	Negative selection	0.523	0.0		SRV+Double
test	Diversifying selection	1.261	0.0		SRV+Double
test	Negative selection		100.0		SRV+Double

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

	class_id	syn_rate	proportion_percent	run_type	
	1	0.0	55.118	SRV	
	2	0.003	0.0	SRV	
	3	2.228	44.882	SRV	
	1	0.0	55.123	SRV	
	2	0.0	0.0	SRV	
	3	2.228	44.877	SRV	
	1	0.0	32.527	SRV	
	2	0.0	22.595	SRV	
	3	2.228	44.879	SRV	
	1	0.0	55.12	SRV	
	2	0.173	0.0	SRV	
	3	2.228	44.88	SRV	
	1	0.0	55.119	SRV	
	2	0.004	0.0	SRV	
	3	2.228	44.881	SRV	
	1	0.0	55.122	SRV	
	2	2.228	4.109	SRV	
	3	2.228	40.769	SRV	
	1	0.0	31.346	SRV	
	2	0.0	23.774	SRV	
	3	2.228	44.88	SRV	
	1	0.0	24.712	SRV	
	2	0.0	30.408	SRV	
	3	2.228	44.88	SRV	
	1	0.0	55.119	SRV	
	2	0.0	0.0	SRV	
	3	2.228	44.881	SRV	
	1	0.0	55.118	SRV	
	2	0.0	0.0	SRV	
	3	2.228	44.882	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	