RELAX Combined Report
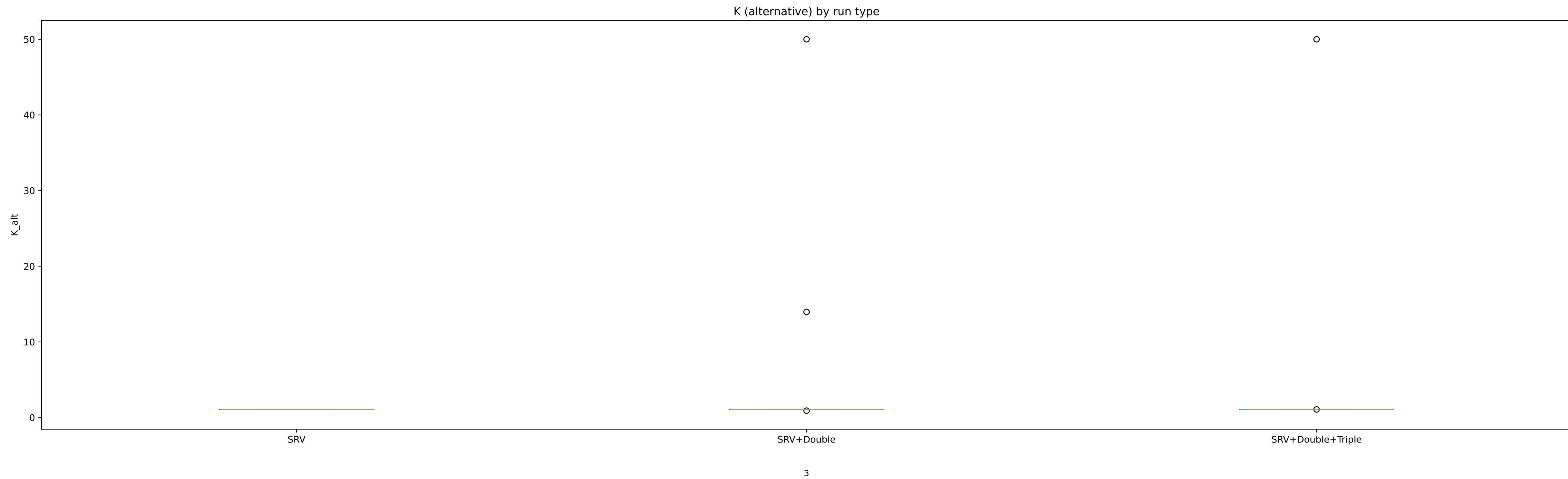
SRV vs SRV+Double vs SRV+Double+Triple
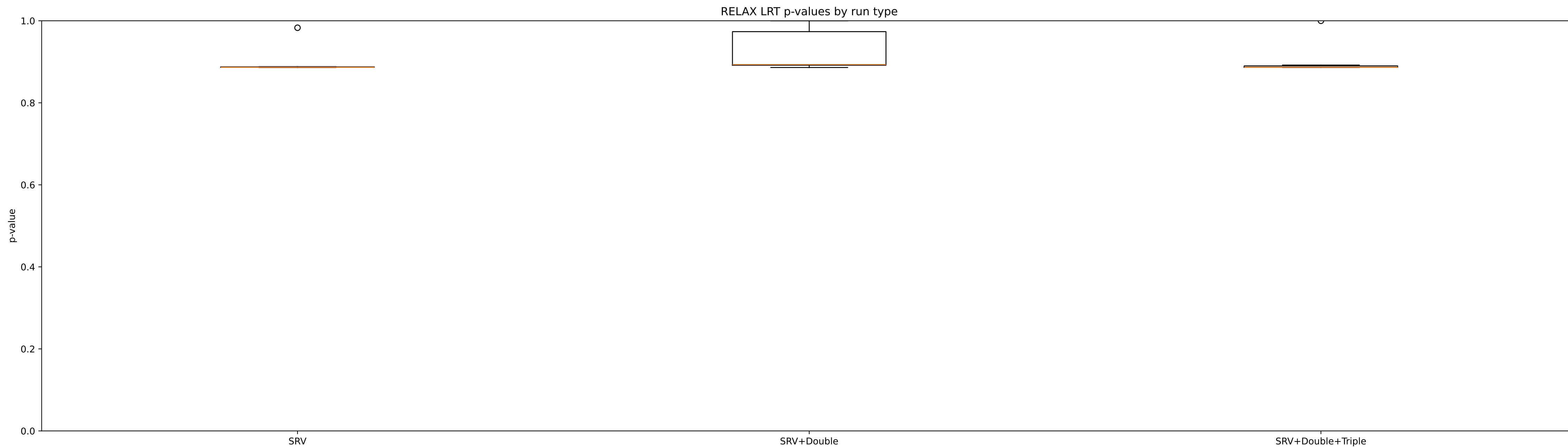
Includes:

- 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
0.8868	0.8862	0.983	1.08	1.08	1.08	0.2363	0.2082	10	nan	nan
0.8934	0.8861	1.0	1.08	0.91	50.0	0.2363	0.2082	10	0.0	0.0
0.887	0.8863	1.0	1.08	1.07	50.0	0.2363	0.2082	10	0.0	0.0

K (alternative) by run type

RELAX LRT p-values by run type

2H rates (reference) by run type

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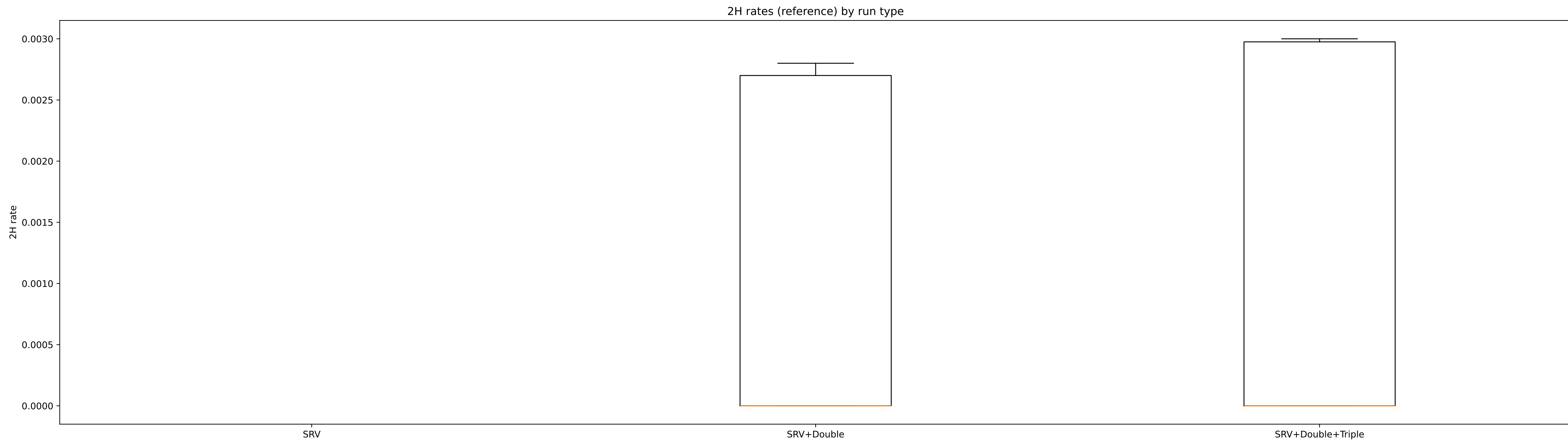
3H rates (reference) by run type

3H rates (test) by run type
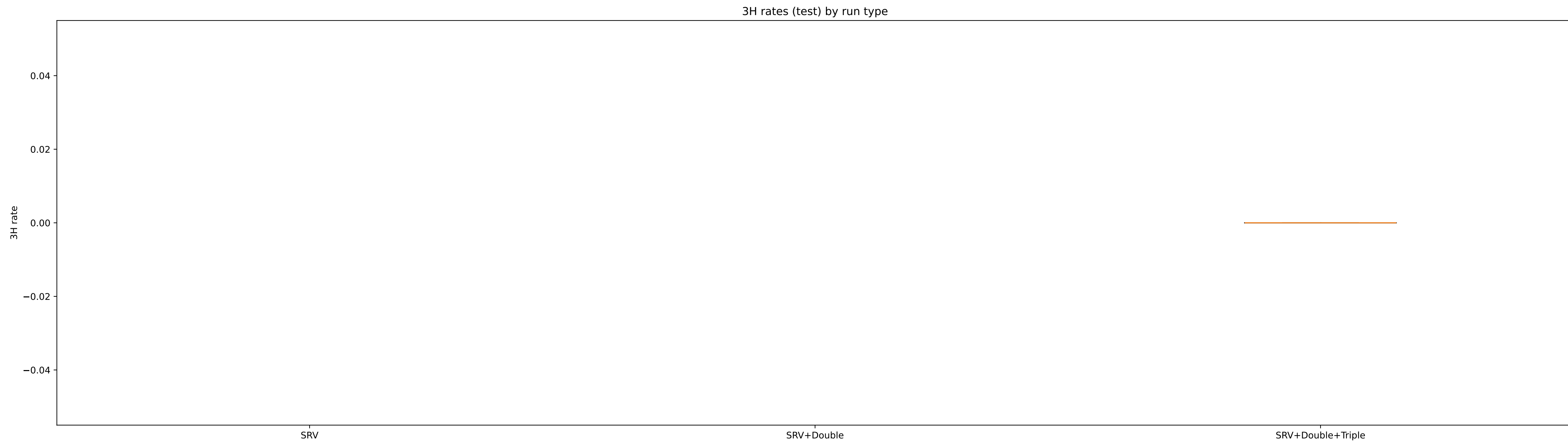
	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.8862	1.08	0.2363	0.2082	
	2	0.8868	1.08	0.2363	0.2082	
	3	0.8868	1.08	0.2363	0.2082	
	4	0.8868	1.08	0.2363	0.2082	
	5	0.8867	1.08	0.2363	0.2082	
	6	0.8878	1.08	0.2363	0.2082	
	7	0.8881	1.08	0.2363	0.2082	
	8	0.8869	1.08	0.2363	0.2082	
	9	0.8873	1.08	0.2363	0.2082	
	10	0.983	1.08	0.2363	0.2082	

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

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.8926	1.08	0.2363	0.2082	
	2	0.8905	1.08	0.2363	0.2082	
	3	1.0	13.96	0.2363	0.2082	
	4	0.8928	1.08	0.2363	0.2082	
	5	0.8914	1.08	0.2363	0.2082	
	6	1.0	0.91	0.2363	0.2082	
	7	0.8861	1.08	0.2363	0.2082	
	8	1.0	50.0	0.2363	0.2082	
	9	0.894	1.08	0.2363	0.2082	
	10	0.8939	1.08	0.2363	0.2082	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.8867	1.08	0.2363	0.2082	
	2	0.8866	1.08	0.2363	0.2082	
	3	0.8904	1.08	0.2363	0.2082	
	4	0.892	1.08	0.2363	0.2082	
	5	0.8886	1.08	0.2363	0.2082	
	6	0.887	1.08	0.2363	0.2082	
	7	0.8868	1.08	0.2363	0.2082	
	8	0.887	1.08	0.2363	0.2082	
	9	1.0	50.0	0.2363	0.2082	
	10	0.8863	1.07	0.2363	0.2082	

test	Negative selection	0.165	25.094	SRV+Double
test	Negative selection	0.223	74.906	SRV+Double
test	Negative selection	0.188	25.094	SRV+Double
test	Negative selection	0.248	74.906	SRV+Double
reference	Diversifying selection		0.0	SRV+Double
reference	Negative selection	0.2	31.336	SRV+Double
reference	Negative selection	0.246	68.664	SRV+Double
test	Diversifying selection	1.172	0.0	SRV+Double
test	Negative selection	0.2	31.336	SRV+Double
test	Negative selection	0.246	68.664	SRV+Double
reference	Diversifying selection	1.037	0.0	SRV+Double
reference	Negative selection	0.2	31.081	SRV+Double
reference	Negative selection	0.248	68.919	SRV+Double
test	Diversifying selection	1.04	0.0	SRV+Double
test	Diversifying selection	1.037	0.0	SRV+Double
test	Negative selection	0.177	31.081	SRV+Double
test	Negative selection	0.223	68.919	SRV+Double
test	Negative selection	0.2	31.081	SRV+Double
test	Negative selection	0.248	68.919	SRV+Double
reference	Diversifying selection	1.201	0.0	SRV+Double
reference	Negative selection	0.208	37.514	SRV+Double
reference	Negative selection	0.246	62.486	SRV+Double
test	Diversifying selection	1.201	0.0	SRV+Double
test	Negative selection	0.208	37.514	SRV+Double
test	Negative selection	0.246	62.486	SRV+Double
reference	Diversifying selection	1.004	0.0	SRV+Double
reference	Negative selection	0.223	81.289	SRV+Double
reference	Negative selection	0.272	18.711	SRV+Double
test	Diversifying selection	1.003	0.0	SRV+Double
test	Diversifying selection	1.004	0.0	SRV+Double
test	Negative selection	0.001	18.711	SRV+Double
test	Negative selection	0.257	81.289	SRV+Double
test	Negative selection	0.223	81.289	SRV+Double
test	Negative selection	0.272	18.711	SRV+Double
reference	Diversifying selection	1.157	0.0	SRV+Double
reference	Negative selection	0.228	80.937	SRV+Double
reference	Negative selection	0.252	19.063	SRV+Double
test	Diversifying selection	1.157	0.0	SRV+Double
test	Negative selection	0.228	80.937	SRV+Double
test	Negative selection	0.252	19.063	SRV+Double
reference	Diversifying selection	1.493	0.0	SRV+Double
reference	Negative selection	0.014	0.0	SRV+Double
reference	Negative selection	0.233	100.0	SRV+Double
test	Diversifying selection	1.539	0.0	SRV+Double
test	Diversifying selection	1.493	0.0	SRV+Double
test	Negative selection	0.01	0.0	SRV+Double
test	Negative selection	0.209	100.0	SRV+Double
test	Negative selection	0.014	0.0	SRV+Double
test	Negative selection	0.233	100.0	SRV+Double
reference	Diversifying selection	1.234	0.0	SRV+Double

	class_id	syn_rate	proportion_percent	run_type	
	1	0.0	17.409	SRV	
	2	0.0	32.99	SRV	
	3	2.016	49.601	SRV	
	1	0.0	11.129	SRV	
	2	0.0	39.27	SRV	
	3	2.016	49.601	SRV	
	1	0.0	13.575	SRV	
	2	0.0	36.824	SRV	
	3	2.016	49.601	SRV	
	1	0.0	14.858	SRV	
	2	0.0	35.543	SRV	
	3	2.016	49.599	SRV	
	1	0.0	37.14	SRV	
	2	0.0	13.257	SRV	
	3	2.016	49.603	SRV	
	1	0.0	50.397	SRV	
	2	2.016	26.527	SRV	
	3	2.016	23.076	SRV	
	1	0.0	13.795	SRV	
	2	0.0	36.605	SRV	
	3	2.016	49.6	SRV	
	1	0.0	15.976	SRV	
	2	0.0	34.424	SRV	
	3	2.016	49.6	SRV	
	1	0.0	15.149	SRV	
	2	0.0	35.25	SRV	
	3	2.016	49.6	SRV	
	1	0.0	50.394	SRV	
	2	2.016	1.574	SRV	
	3	2.016	48.032	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	0.0029	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	
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	