RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple
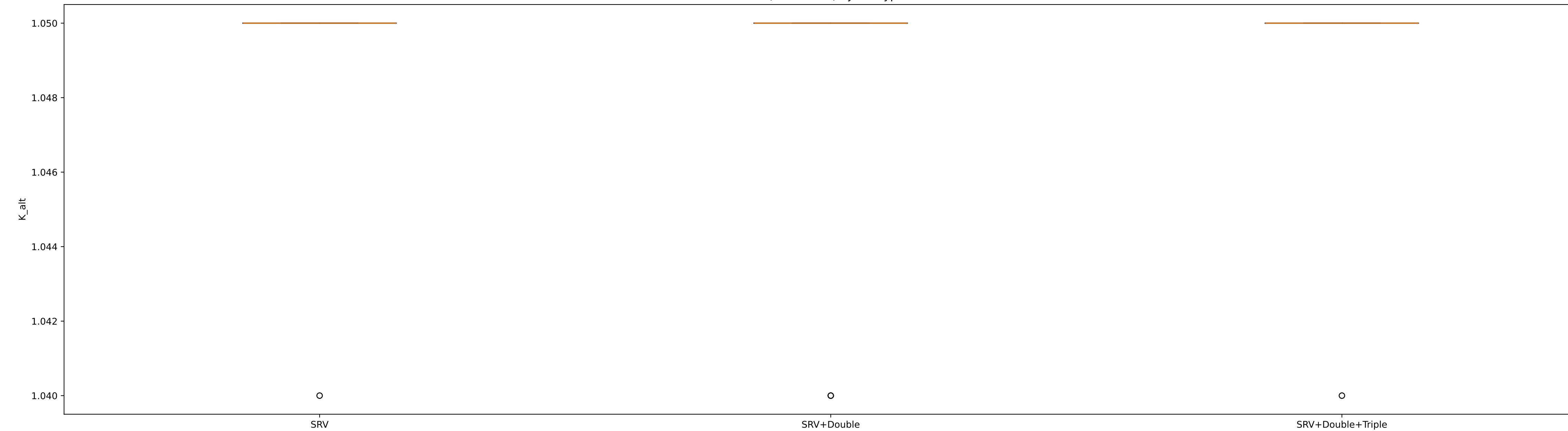
Includes:

- Run-type summary

- Boxplots: K, p-values, 2H/3H

- Full omega/SRV/multihit tables (column-paged)
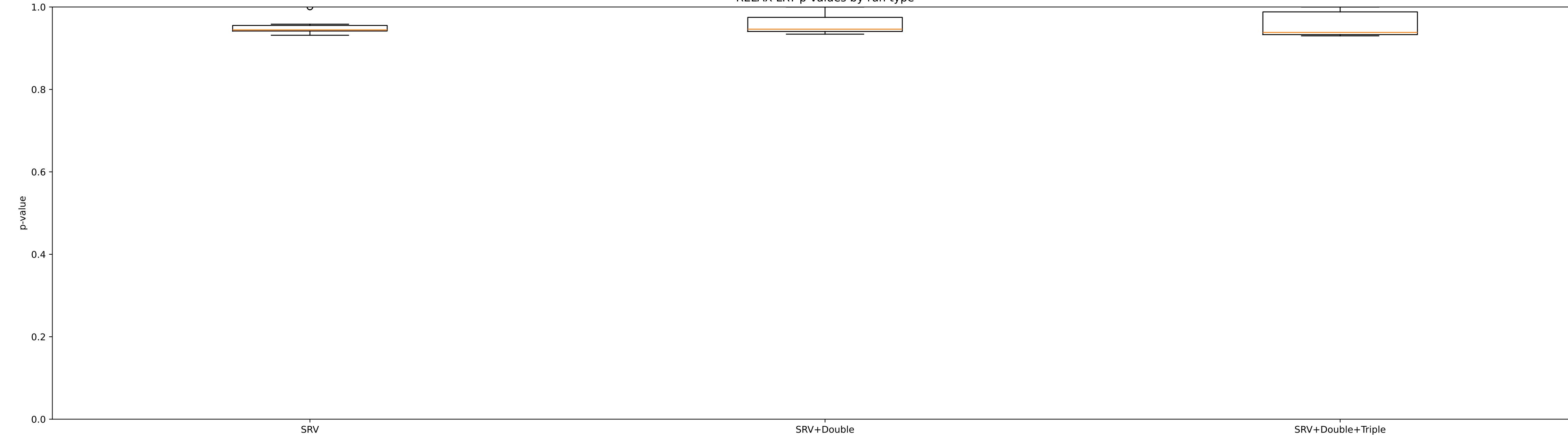
Run-type summary statistics

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
0.9444	0.9314	1.0	1.05	1.04	1.05	0.2746	0.2425	10	nan	nan
0.9461	0.9341	1.0	1.05	1.04	1.05	0.2746	0.2425	10	0.0	0.0
0.9384	0.93	1.0	1.05	1.04	1.05	0.2746	0.2425	10	0.0	0.0
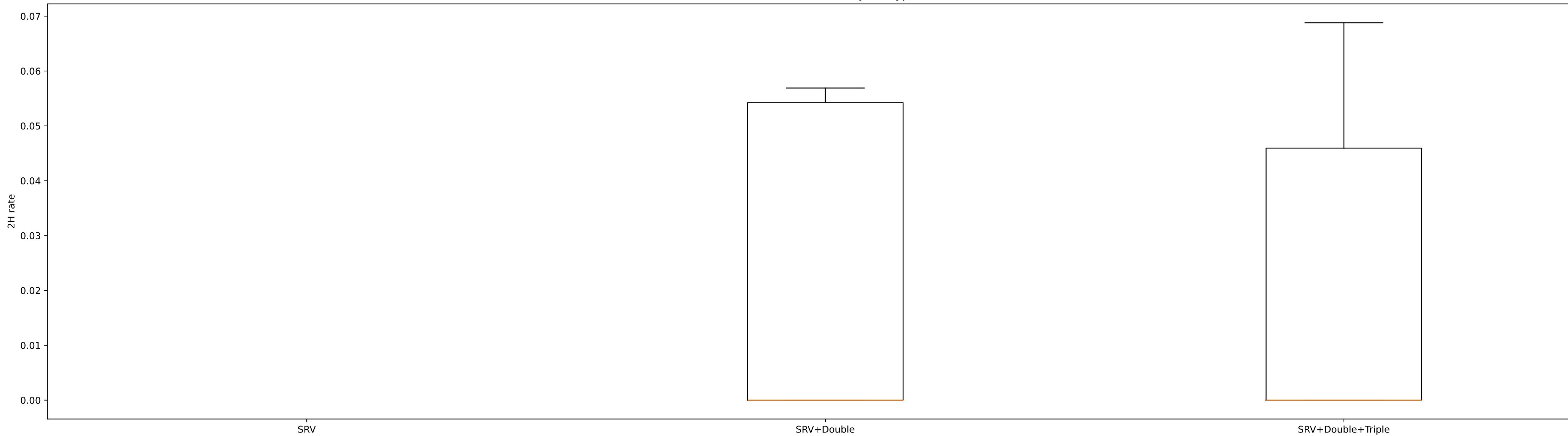
K (alternative) by run type

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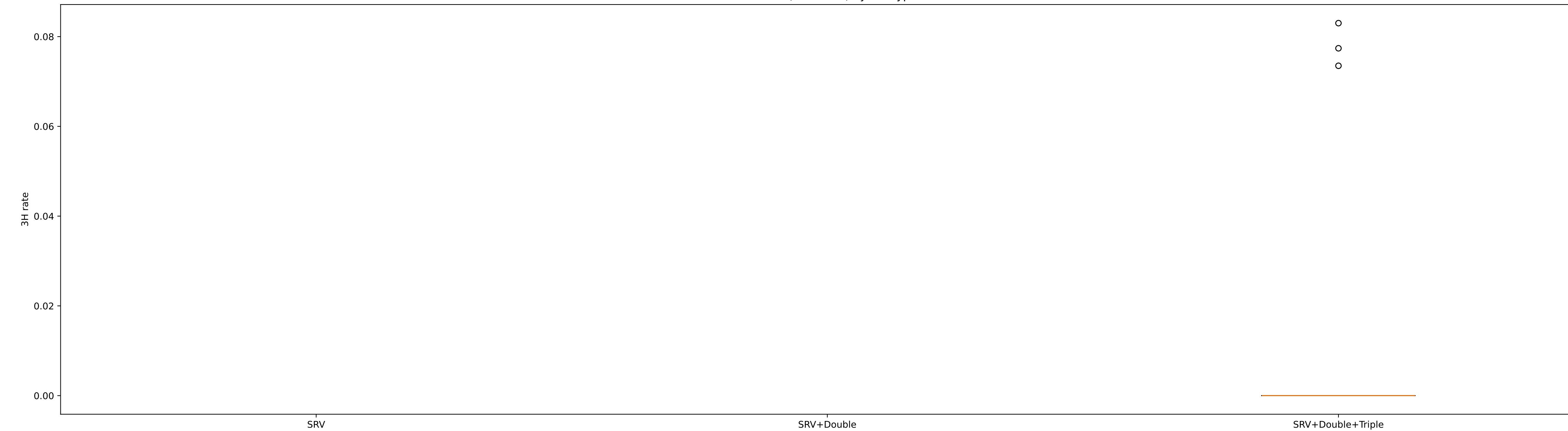
2H rates (reference) by run type
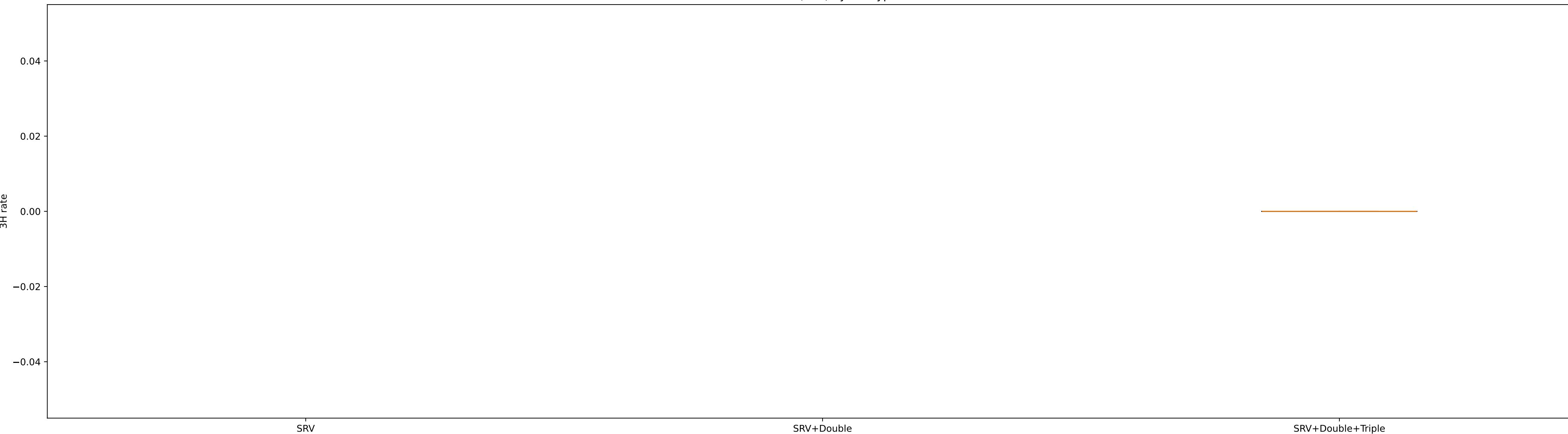
2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.9583	1.05	0.2746	0.2425	
2	0.9439	1.05	0.2746	0.2425	
3	0.9449	1.05	0.2746	0.2425	
4	0.9314	1.05	0.2746	0.2425	
5	0.9419	1.05	0.2746	0.2425	
6	0.9384	1.05	0.2746	0.2425	
7	1.0	1.05	0.2746	0.2425	
8	1.0	1.04	0.2746	0.2425	
9	0.946	1.05	0.2746	0.2425	
10	0.9417	1.05	0.2746	0.2425	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.9453	1.05	0.2746	0.2425	
2	0.9504	1.04	0.2746	0.2425	
3	0.983	1.05	0.2746	0.2425	
4	0.9424	1.05	0.2746	0.2425	
5	1.0	1.04	0.2746	0.2425	
6	0.9342	1.05	0.2746	0.2425	
7	0.9341	1.05	0.2746	0.2425	
8	0.94	1.05	0.2746	0.2425	
9	1.0	1.05	0.2746	0.2425	
10	0.9469	1.05	0.2746	0.2425	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.93	1.05	0.2746	0.2425	
2	0.9525	1.05	0.2746	0.2425	
3	0.9401	1.05	0.2746	0.2425	
4	0.9342	1.05	0.2746	0.2425	
5	0.9325	1.05	0.2746	0.2425	
6	1.0	1.05	0.2746	0.2425	
7	1.0	1.04	0.2746	0.2425	
8	0.931	1.05	0.2746	0.2425	
9	1.0	1.05	0.2746	0.2425	
10	0.9366	1.05	0.2746	0.2425	

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

test	Negative selection	0.218	4.999	SRV+Double
test	Negative selection	0.234	94.521	SRV+Double
test	Negative selection	0.233	4.999	SRV+Double
test	Negative selection	0.25	94.521	SRV+Double
reference	Diversifying selection		0.484	SRV+Double
reference	Negative selection	0.235	5.047	SRV+Double
reference	Negative selection	0.249	94.469	SRV+Double
test	Diversifying selection	5.98	0.484	SRV+Double
test	Negative selection	0.235	5.047	SRV+Double
test	Negative selection	0.249	94.469	SRV+Double
reference	Diversifying selection	6.123	0.489	SRV+Double
reference	Negative selection	0.206	5.54	SRV+Double
reference	Negative selection	0.251	93.971	SRV+Double
test	Diversifying selection	6.633	0.489	SRV+Double
test	Diversifying selection	6.123	0.489	SRV+Double
test	Negative selection	0.193	5.54	SRV+Double
test	Negative selection	0.236	93.971	SRV+Double
test	Negative selection	0.206	5.54	SRV+Double
test	Negative selection	0.251	93.971	SRV+Double
reference	Diversifying selection	6.089	0.471	SRV+Double
reference	Negative selection	0.243	5.549	SRV+Double
reference	Negative selection	0.249	93.981	SRV+Double
test	Diversifying selection	6.089	0.471	SRV+Double
test	Negative selection	0.243	5.549	SRV+Double
test	Negative selection	0.249	93.981	SRV+Double
reference	Diversifying selection	5.84	0.497	SRV+Double
reference	Negative selection	0.232	0.614	SRV+Double
reference	Negative selection	0.248	98.889	SRV+Double
test	Diversifying selection	6.385	0.497	SRV+Double
test	Diversifying selection	5.84	0.497	SRV+Double
test	Negative selection	0.215	0.614	SRV+Double
test	Negative selection	0.231	98.889	SRV+Double
test	Negative selection	0.232	0.614	SRV+Double
test	Negative selection	0.248	98.889	SRV+Double
reference	Diversifying selection	5.883	0.493	SRV+Double
reference	Negative selection	0.245	0.614	SRV+Double
reference	Negative selection	0.248	98.892	SRV+Double
test	Diversifying selection	5.883	0.493	SRV+Double
test	Negative selection	0.245	0.614	SRV+Double
test	Negative selection	0.248	98.892	SRV+Double
reference	Diversifying selection	5.946	0.483	SRV+Double
reference	Negative selection	0.212	6.159	SRV+Double
reference	Negative selection	0.251	93.358	SRV+Double
test	Diversifying selection	6.494	0.483	SRV+Double
test	Diversifying selection	5.946	0.483	SRV+Double
test	Negative selection	0.197	6.159	SRV+Double
test	Negative selection	0.234	93.358	SRV+Double
test	Negative selection	0.212	6.159	SRV+Double
test	Negative selection	0.251	93.358	SRV+Double
reference	Diversifying selection	5.969	0.482	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	9.875	SRV	
	2	0.882	81.151	SRV	
	3	3.164	8.975	SRV	
	1	0.0	9.72	SRV	
	2	0.878	81.074	SRV	
	3	3.133	9.205	SRV	
	1	0.0	9.847	SRV	
	2	0.881	81.111	SRV	
	3	3.154	9.042	SRV	
	1	0.0	9.878	SRV	
	2	0.882	81.092	SRV	
	3	3.155	9.03	SRV	
	1	0.0	9.873	SRV	
	2	0.882	81.135	SRV	
	3	3.161	8.992	SRV	
	1	0.0	9.901	SRV	
	2	0.882	81.093	SRV	
	3	3.158	9.006	SRV	
	1	0.0	9.795	SRV	
	2	0.88	81.062	SRV	
	3	3.139	9.144	SRV	
	1	0.0	9.862	SRV	
	2	0.882	81.101	SRV	
	3	3.153	9.037	SRV	
	1	0.0	9.892	SRV	
	2	0.883	81.112	SRV	
	3	3.159	8.995	SRV	
	1	0.0	9.626	SRV	
	2	0.876	81.142	SRV	
	3	3.131	9.231	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	0.0521	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	0.0521	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	0.0455	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	0.0676	SRV+Double+Triple	
reference	2H	0.0	SRV+Double+Triple	
reference	3H	0.0735	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	0.0478	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	