

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_medi an	omega_test_medi an	warnings_count	2H_reference_m edian	2H_test_median
0.2767	0.2754	0.2801	0.0	0.0	45.44	0.239	0.8217	10	nan	nan
0.2514	0.249	0.2864	0.0	0.0	0.0	0.239	0.8217	10	0.0564	0.0
0.2524	0.2464	0.2958	0.0	0.0	13.64	0.239	0.8217	10	0.0593	0.0

K (alternative) by run type



RELAX LRT p-values by run type



2H rates (reference) by run type



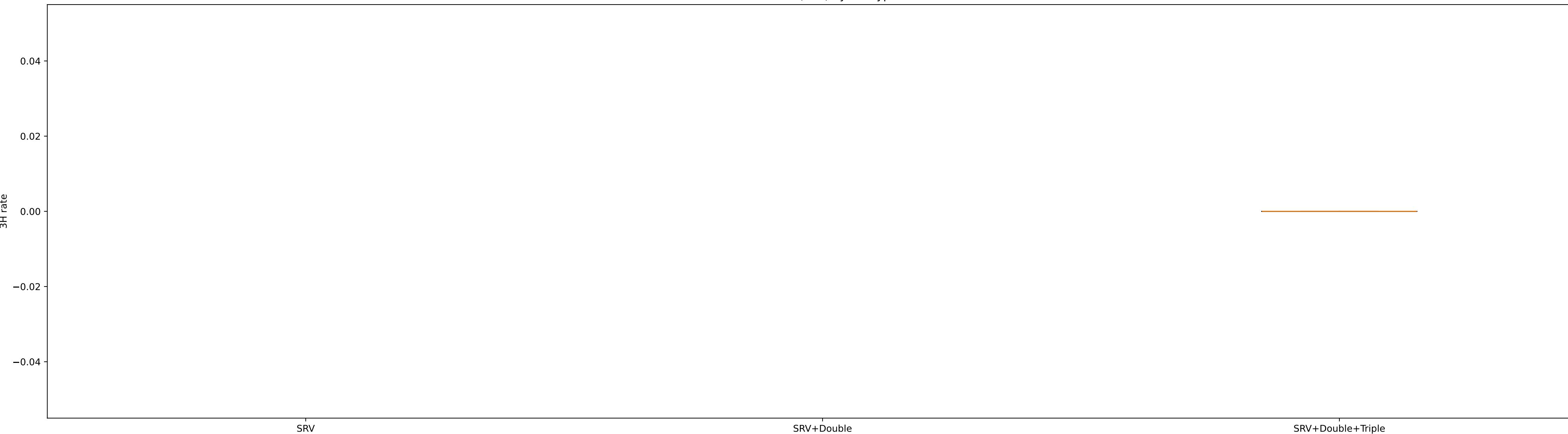
2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.2763	45.44	0.239	0.8217
	2	0.2764	0.0	0.239	0.8217
	3	0.2774	0.0	0.239	0.8217
	4	0.2754	0.0	0.239	0.8217
	5	0.2771	14.17	0.239	0.8217
	6	0.2766	0.0	0.239	0.8217
	7	0.2801	0.0	0.239	0.8217
	8	0.2756	0.0	0.239	0.8217
	9	0.2768	29.08	0.239	0.8217
	10	0.2777	0.0	0.239	0.8217

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.249	0.0	0.239	0.8217
	2	0.2518	0.0	0.239	0.8217
	3	0.2571	0.0	0.239	0.8217
	4	0.2547	0.0	0.239	0.8217
	5	0.2509	0.0	0.239	0.8217
	6	0.2549	0.0	0.239	0.8217
	7	0.2495	0.0	0.239	0.8217
	8	0.251	0.0	0.239	0.8217
	9	0.2494	0.0	0.239	0.8217
	10	0.2864	0.0	0.239	0.8217

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.2566	8.27	0.239	0.8217
	2	0.252	0.0	0.239	0.8217
	3	0.2582	8.73	0.239	0.8217
	4	0.2468	0.0	0.239	0.8217
	5	0.2496	0.0	0.239	0.8217
	6	0.2958	0.0	0.239	0.8217
	7	0.2687	0.0	0.239	0.8217
	8	0.2464	10.08	0.239	0.8217
	9	0.2528	0.0	0.239	0.8217
	10	0.2493	13.64	0.239	0.8217

	test	Negative selection	1.0	65.935	SRV+Double
	test	Negative selection	1.0	34.065	SRV+Double
	test	Negative selection	0.134	65.935	SRV+Double
	test	Negative selection	0.393	34.065	SRV+Double
	reference	Diversifying selection	0.0	SRV+Double	
	reference	Negative selection	0.132	65.117	SRV+Double
	reference	Negative selection	0.392	34.883	SRV+Double
	test	Diversifying selection	1.673	0.0	SRV+Double
	test	Negative selection	0.132	65.117	SRV+Double
	test	Negative selection	0.392	34.883	SRV+Double
	reference	Diversifying selection	1.967	0.0	SRV+Double
	reference	Negative selection	0.143	70.427	SRV+Double
	reference	Negative selection	0.409	29.573	SRV+Double
	test	Diversifying selection	1.967	0.0	SRV+Double
	test	Negative selection	0.143	70.427	SRV+Double
	test	Negative selection	0.409	29.573	SRV+Double
	test	Neutral evolution	1.0	70.427	SRV+Double
	test	Neutral evolution	1.0	29.573	SRV+Double
	test	Neutral evolution	1.0	0.0	SRV+Double
	reference	Diversifying selection	3.66	0.0	SRV+Double
	reference	Negative selection	0.142	69.998	SRV+Double
	reference	Negative selection	0.41	30.002	SRV+Double
	test	Diversifying selection	3.66	0.0	SRV+Double
	test	Negative selection	0.142	69.998	SRV+Double
	test	Negative selection	0.41	30.002	SRV+Double
	reference	Negative selection	0.0	11.368	SRV+Double
	reference	Negative selection	0.241	87.89	SRV+Double
	reference	Neutral evolution	1.0	0.742	SRV+Double
	test	Negative selection	0.0	11.368	SRV+Double
	test	Negative selection	0.241	87.89	SRV+Double
	test	Neutral evolution	1.0	87.89	SRV+Double
	test	Neutral evolution	1.0	11.368	SRV+Double
	test	Neutral evolution	1.0	0.742	SRV+Double
	test	Neutral evolution	1.0	0.742	SRV+Double
	reference	Negative selection	0.0	16.469	SRV+Double
	reference	Negative selection	0.258	82.609	SRV+Double
	reference	Neutral evolution	1.0	0.921	SRV+Double
	test	Negative selection	0.0	16.469	SRV+Double
	test	Negative selection	0.258	82.609	SRV+Double
	test	Neutral evolution	1.0	0.921	SRV+Double
	reference	Diversifying selection	1.006	0.0	SRV+Double
	reference	Negative selection	0.0	15.551	SRV+Double
	reference	Negative selection	0.26	84.449	SRV+Double
	test	Diversifying selection	1.006	0.0	SRV+Double
	test	Negative selection	0.0	15.551	SRV+Double
	test	Negative selection	0.26	84.449	SRV+Double
	test	Neutral evolution	1.0	84.449	SRV+Double
	test	Neutral evolution	1.0	15.551	SRV+Double
	test	Neutral evolution	1.0	0.0	SRV+Double
	reference	Diversifying selection	1.648	0.0	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	1	0.694	83.705	SRV	
	2	2.209	14.423	SRV	
	3	5.372	1.871	SRV	
	1	0.693	83.567	SRV	
	2	2.188	14.469	SRV	
	3	5.294	1.965	SRV	
	1	0.694	83.726	SRV	
	2	2.202	14.322	SRV	
	3	5.298	1.952	SRV	
SRV	1	0.694	83.604	SRV	
	2	2.188	14.38	SRV	
	3	5.238	2.016	SRV	
	1	0.692	83.634	SRV	
	2	2.231	14.68	SRV	
	3	5.544	1.686	SRV	
	1	0.692	83.6	SRV	
	2	2.202	14.487	SRV	
	3	5.341	1.913	SRV	
SRV	1	0.695	84.023	SRV	
	2	2.252	14.242	SRV	
	3	5.483	1.735	SRV	
	1	0.695	83.671	SRV	
	2	2.159	14.034	SRV	
	3	5.029	2.295	SRV	
	1	0.695	83.836	SRV	
	2	2.227	14.359	SRV	
	3	5.426	1.805	SRV	
SRV	1	0.695	83.984	SRV	
	2	2.246	14.264	SRV	
	3	5.47	1.752	SRV	

	reference		2H	0.0638	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0543	SRV+Double	
	reference		2H	0.0557	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.135	SRV+Double+Triple	
	reference		2H	0.0515	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	0.0499	SRV+Double+Triple	
	reference		2H	0.0505	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	0.1306	SRV+Double+Triple	
	reference		2H	0.0491	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	0.0482	SRV+Double+Triple	
	reference		2H	0.0512	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	0.1307	SRV+Double+Triple	
	reference		2H	0.0487	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	0.0472	SRV+Double+Triple	
	reference		2H	0.0481	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	0.1261	SRV+Double+Triple	
	reference		2H	0.0629	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	0.0569	SRV+Double+Triple	
	reference		2H	0.0633	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	0.1318	SRV+Double+Triple	
	reference		2H	0.0591	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	