

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

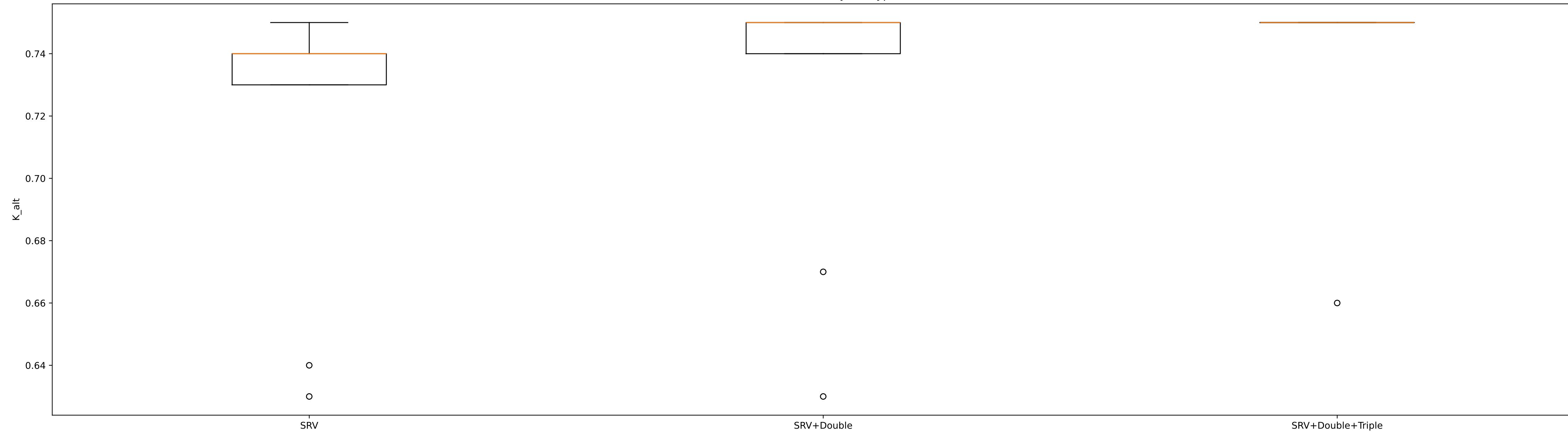
Includes:

- 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
0.2036	0.2015	0.8445	0.74	0.63	0.75	0.1694	0.258	9	nan	nan
0.1976	0.1958	1.0	0.75	0.63	0.75	0.1694	0.258	10	0.0139	0.0
0.197	0.1965	0.9113	0.75	0.66	0.75	0.1694	0.258	10	0.0142	0.0

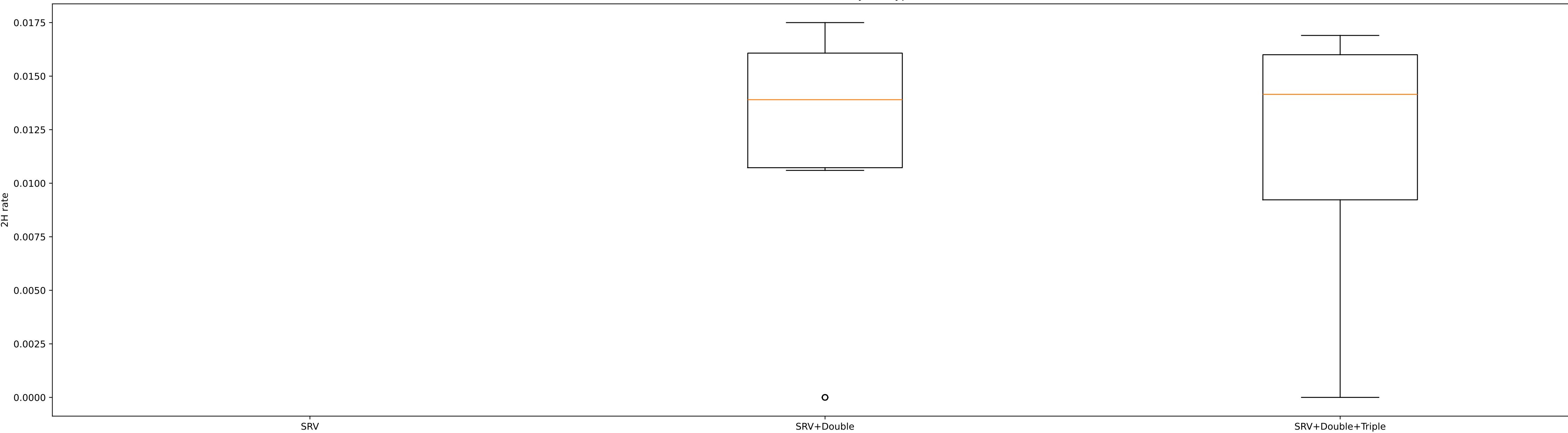
K (alternative) by run type



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_reference	global_dNdS_test
	1	0.2031	0.74	0.1694	0.258
	2	0.8401	0.64	0.1694	0.258
	3	0.2015	0.75	0.1694	0.258
	4	nan	nan	0.1694	0.258
	5	0.2043	0.73	0.1694	0.258
	6	0.2025	0.74	0.1694	0.258
	7	0.2058	0.73	0.1694	0.258
	8	0.8445	0.63	0.1694	0.258
	9	0.2027	0.75	0.1695	0.2585
	10	0.2036	0.74	0.1694	0.258

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

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test
	1	0.1985	0.75	0.1694	0.258
	2	1.0	0.63	0.1694	0.258
	3	1.0	0.67	0.1694	0.258
	4	0.1984	0.74	0.1694	0.258
	5	0.1976	0.75	0.1694	0.258
	6	0.1958	0.75	0.1697	0.2577
	7	0.1962	0.75	0.1694	0.258
	8	0.1958	0.75	0.1694	0.258
	9	0.1971	0.75	0.1694	0.258
	10	0.1976	0.74	0.1694	0.258

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.1977	0.75	0.1694	0.258
	2	0.1967	0.75	0.1694	0.258
	3	0.197	0.75	0.1694	0.258
	4	0.1968	0.75	0.1694	0.258
	5	0.9113	0.66	0.1694	0.258
	6	0.197	0.75	0.1694	0.258
	7	0.1972	0.75	0.1694	0.258
	8	0.1965	0.75	0.1695	0.2583
	9	0.1969	0.75	0.1694	0.258
	10	0.1965	0.75	0.1694	0.258

	test		on Negative selection	0.145		85.634		SRV+Double
	test		Negative selection Diversifying selection	0.299		14.366		SRV+Double
	reference		on Negative selection	1.006		0.0		SRV+Double
	reference		Negative selection	0.148	Ω-class distributions (all) (cols 1-7/7)	91.471		SRV+Double
	reference		Diversifying selection	0.306		8.529		SRV+Double
	test		on Negative selection	1.005		0.0		SRV+Double
	test		Diversifying selection	1.006		0.0		SRV+Double
	test		on Negative selection	0.24		91.471		SRV+Double
	test		Negative selection	0.413		8.529		SRV+Double
	test		on Negative selection	0.148		91.471		SRV+Double
	test		Negative selection Diversifying selection	0.306		8.529		SRV+Double
	reference		on Negative selection	1.983		0.0		SRV+Double
	reference		Negative selection	0.155		92.128		SRV+Double
	reference		Diversifying selection	0.304		7.872		SRV+Double
	test		on Negative selection	1.983		0.0		SRV+Double
	test		Negative selection	0.155		92.128		SRV+Double
	test		on Negative selection Diversifying selection	0.304		7.872		SRV+Double
	reference		on Negative selection	7.38		0.0		SRV+Double
	reference		Negative selection	0.043		0.0		SRV+Double
	reference		Diversifying selection	0.161		100.0		SRV+Double
	test		on Negative selection Diversifying selection	4.49		0.0		SRV+Double
	test		Diversifying selection	7.38		0.0		SRV+Double
	test		on Negative selection	0.094		0.0		SRV+Double
	test		Negative selection	0.254		100.0		SRV+Double
	test		on Negative selection Diversifying selection	0.043		0.0		SRV+Double
	test		Negative selection	0.161		100.0		SRV+Double
	reference		on Negative selection Diversifying selection	1.477		0.0		SRV+Double
	reference		Negative selection	0.032		0.0		SRV+Double
	reference		Diversifying selection	0.167		100.0		SRV+Double
	test		on Negative selection Diversifying selection	1.477		0.0		SRV+Double
	test		Negative selection	0.032		0.0		SRV+Double
	test		on Negative selection Diversifying selection	0.167		100.0		SRV+Double
	reference		on Negative selection Diversifying selection	4.676		0.0		SRV+Double
	reference		Negative selection	0.078		8.44		SRV+Double
	reference		Diversifying selection	0.169		91.56		SRV+Double
	test		on Negative selection Diversifying selection	3.179		0.0		SRV+Double
	test		Diversifying selection	4.676		0.0		SRV+Double
	test		on Negative selection	0.148		8.44		SRV+Double
	test		Negative selection	0.264		91.56		SRV+Double
	test		on Negative selection	0.078		8.44		SRV+Double
	test		Negative selection Diversifying selection	0.169		91.56		SRV+Double
	reference		on Negative selection Diversifying selection	1.273		0.0		SRV+Double
	reference		Negative selection	0.087		10.228		SRV+Double
	reference		Diversifying selection	0.176		89.772		SRV+Double
	test		on Negative selection Diversifying selection	1.273		0.0		SRV+Double
	test		Negative selection	0.087		10.228		SRV+Double
	test		on Negative selection Diversifying selection	0.176		89.772		SRV+Double
	reference		on Negative selection Diversifying selection	7.924		0.0		SRV+Double
	reference		Negative selection	0.159		87.951		SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.281	28.811	SRV	
	2	0.446	28.282	SRV	
	3	1.848	42.907	SRV	
	1	0.289	29.968	SRV	
	2	0.435	26.826	SRV	
	3	1.844	43.206	SRV	
	1	0.281	25.771	SRV	
	2	0.426	31.231	SRV	
	3	1.848	42.999	SRV	
	1	0.273	26.977	SRV	
	2	0.443	30.131	SRV	
	3	1.849	42.893	SRV	
	1	0.29	33.455	SRV	
	2	0.469	23.796	SRV	
	3	1.851	42.749	SRV	
	1	0.287	30.519	SRV	
	2	0.445	26.421	SRV	
	3	1.846	43.06	SRV	
	1	0.289	32.391	SRV	
	2	0.456	24.607	SRV	
	3	1.847	43.002	SRV	
	1	0.28	31.25	SRV	
	2	0.468	26.051	SRV	
	3	1.851	42.698	SRV	
	1	0.29	30.716	SRV	
	2	0.441	26.171	SRV	
	3	1.845	43.113	SRV	

	reference		2H	0.0	SRV+Double	
	reference		2H	0.0141	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0115	SRV+Double	
	reference		2H	0.0152	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0	SRV+Double+Triple	
	reference		2H	0.0149	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	0.0123	SRV+Double+Triple	
	reference		2H	0.016	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		2H	0.0156	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	0.0132	SRV+Double+Triple	
	reference		2H	0.016	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		2H	0.0153	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	0.0129	SRV+Double+Triple	
	reference		2H	0.0165	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		2H	0.015	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		2H	0.0126	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	0.0152	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		2H	0.0127	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	