

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

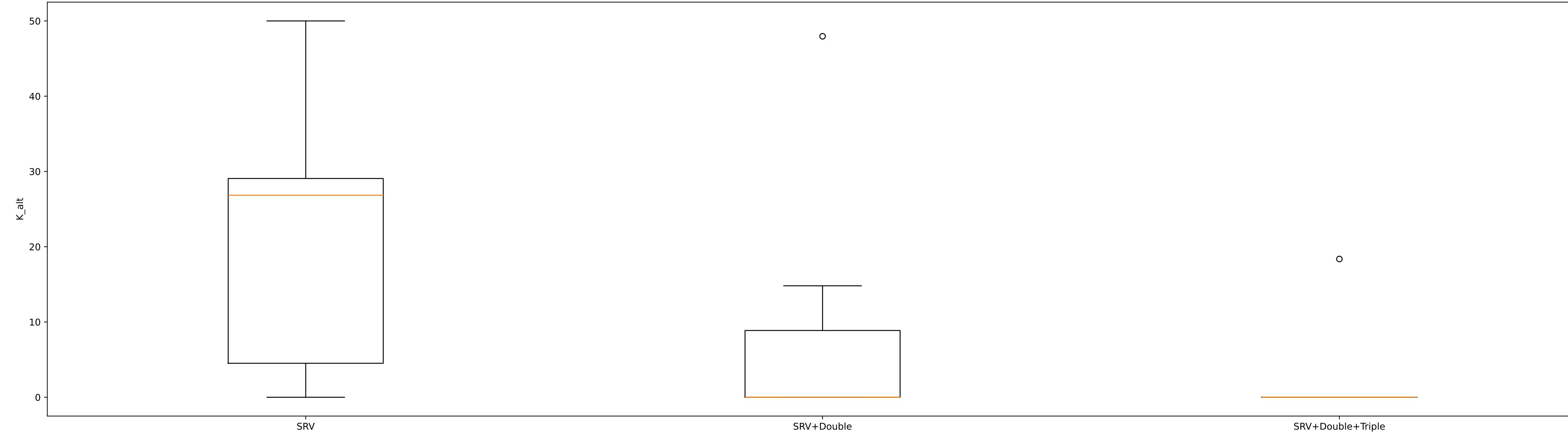
Includes:

- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

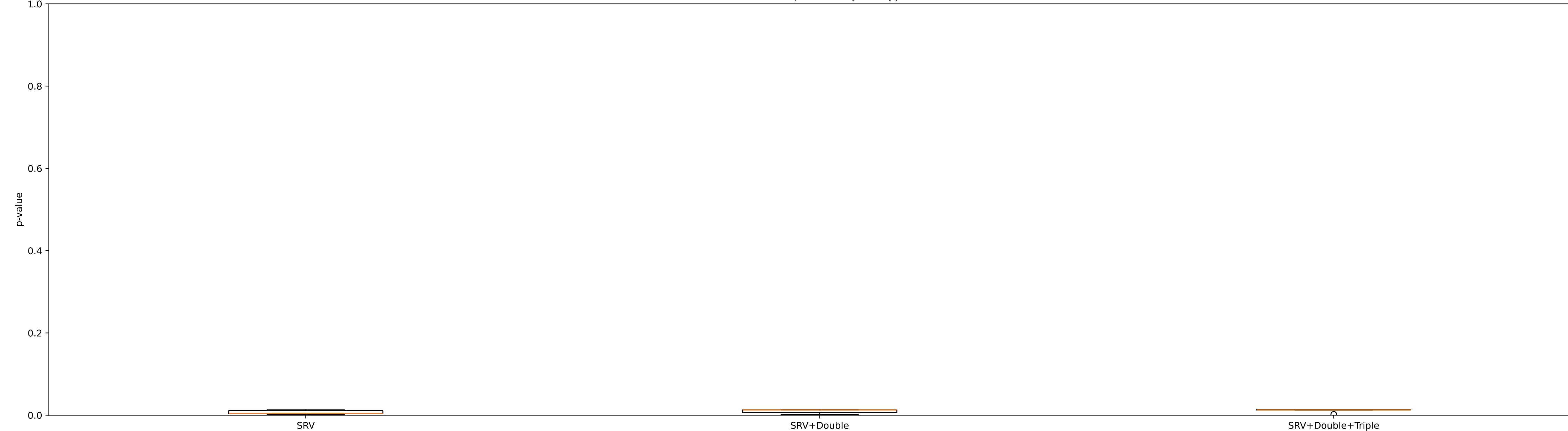
Run-type summary statistics

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
0.0045	0.0022	0.0131	26.84	0.0	50.0	0.404	0.161	10	nan	nan
0.0131	0.0022	0.0132	0.0	0.0	47.96	0.404	0.161	10	0.0	0.0
0.0132	0.0023	0.0132	0.0	0.0	18.37	0.404	0.161	10	0.0	0.0

K (alternative) by run type



RELAX LRT p-values by run type



2H rates (reference) by run type



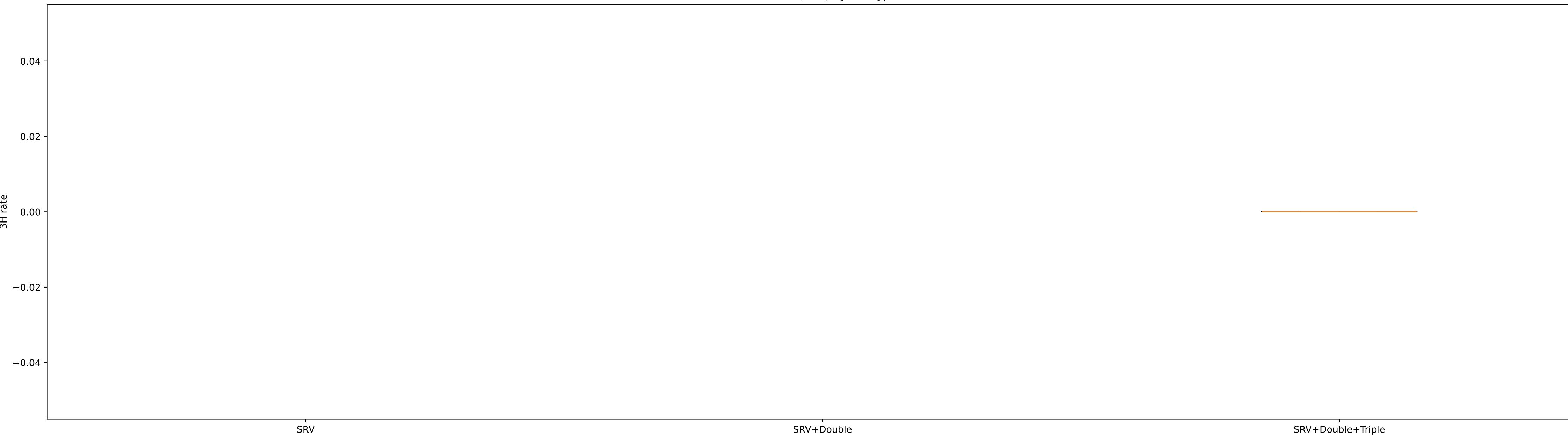
2H rates (test) by run type



3H rates (reference) by run type



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	0.0044	27.05	0.404	0.161
	2	0.0131	0.0	0.404	0.161
	3	0.0045	26.77	0.404	0.161
	4	0.0131	0.0	0.404	0.161
	5	0.0044	36.89	0.404	0.161
	6	0.0022	26.91	0.404	0.161
	7	0.0045	29.74	0.404	0.161
	8	0.0131	0.0	0.404	0.161
	9	0.0046	18.06	0.404	0.161
	10	0.0044	50.0	0.404	0.161

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

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test
	1	0.0024	11.83	0.404	0.161
	2	0.0131	0.0	0.404	0.161
	3	0.0131	0.0	0.404	0.161
	4	0.0131	0.0	0.404	0.161
	5	0.0022	47.96	0.404	0.161
	6	0.0047	14.81	0.404	0.161
	7	0.0131	0.0	0.404	0.161
	8	0.013	0.0	0.404	0.161
	9	0.0132	0.0	0.404	0.161
	10	0.0131	0.0	0.404	0.161

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

replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
1	0.0132	0.0	0.404	0.161
2	0.013	0.0	0.404	0.161
3	0.0132	0.0	0.404	0.161
4	0.0132	0.0	0.404	0.161
5	0.0131	0.0	0.404	0.161
6	0.0132	0.0	0.404	0.161
7	0.0023	18.37	0.404	0.161
8	0.0132	0.0	0.404	0.161
9	0.0131	0.0	0.404	0.161
10	0.0132	0.0	0.404	0.161

	test		Negative selection	0.0		17.85		SRV+Double
	test		Negative selection	0.0		58.025		SRV+Double
	test		Negative selection	0.0		17.85		SRV+Double
reference			Diversifying selection	^{1.286} _{0.034}	Ω-class distributions (all) (cols 1-7/7)	22.66		SRV+Double
reference			Negative selection	0.359		60.757		SRV+Double
reference			Diversifying selection	1.286		16.583		SRV+Double
test			Negative selection	0.034		22.66		SRV+Double
test			Negative selection	0.359		60.757		SRV+Double
reference			Diversifying selection	1.016		16.583		SRV+Double
reference			Negative selection	0.0		0.0		SRV+Double
reference			Negative selection	0.98		41.445		SRV+Double
test			Diversifying selection	2.113		0.0		SRV+Double
test			Negative selection	1.016		0.0		SRV+Double
test			Negative selection	0.0		58.555		SRV+Double
test			Negative selection	0.384		41.445		SRV+Double
test			Negative selection	0.0		58.555		SRV+Double
test			Negative selection	0.98		41.445		SRV+Double
reference			Diversifying selection	2.196		1.155		SRV+Double
reference			Negative selection	0.0		60.771		SRV+Double
reference			Negative selection	0.907		38.074		SRV+Double
test			Diversifying selection	2.196		1.155		SRV+Double
test			Negative selection	0.0		60.771		SRV+Double
test			Negative selection	0.907		38.074		SRV+Double
reference			Diversifying selection	1.01		0.0		SRV+Double
reference			Negative selection	0.0		56.725		SRV+Double
reference			Negative selection	0.934		43.275		SRV+Double
test			Diversifying selection	1.165		0.0		SRV+Double
test			Negative selection	1.01		0.0		SRV+Double
test			Negative selection	0.0		56.725		SRV+Double
test			Negative selection	0.363		43.275		SRV+Double
test			Negative selection	0.0		56.725		SRV+Double
test			Negative selection	0.934		43.275		SRV+Double
reference			Diversifying selection	310.349		0.024		SRV+Double
reference			Negative selection	0.0		59.509		SRV+Double
reference			Negative selection	0.9		40.467		SRV+Double
test			Diversifying selection	310.349		0.024		SRV+Double
test			Negative selection	0.0		59.509		SRV+Double
test			Negative selection	0.9		40.467		SRV+Double
reference			Diversifying selection	1.82		23.912		SRV+Double
reference			Negative selection	0.0		76.088		SRV+Double
reference			Negative selection	0.766		0.0		SRV+Double
test			Diversifying selection	1.0		23.912		SRV+Double
test			Negative selection	1.82		23.912		SRV+Double
test			Negative selection	0.0		76.088		SRV+Double
test			Negative selection	1.0		0.0		SRV+Double
test			Negative selection	0.0		76.088		SRV+Double
test			Negative selection	0.726		0.0		SRV+Double
reference			Diversifying selection	1.443		15.842		SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	17.515	SRV	
	2	0.367	15.775	SRV	
	3	1.412	66.71	SRV	
	1	0.034	0.216	SRV	
	2	0.034	24.083	SRV	
	3	1.31	75.7	SRV	
	1	0.194	35.295	SRV	
	2	0.313	1.054	SRV	
	3	1.459	63.651	SRV	
	1	0.0	21.872	SRV	
	2	0.63	13.443	SRV	
	3	1.415	64.685	SRV	
	1	0.038	24.304	SRV	
	2	0.045	0.199	SRV	
	3	1.312	75.497	SRV	
	1	0.172	34.145	SRV	
	2	0.276	0.606	SRV	
	3	1.44	65.248	SRV	
	1	0.0	22.854	SRV	
	2	0.919	25.375	SRV	
	3	1.481	51.771	SRV	
	1	0.228	29.48	SRV	
	2	0.295	10.437	SRV	
	3	1.501	60.082	SRV	
	1	0.0	22.62	SRV	
	2	0.871	23.207	SRV	
	3	1.473	54.173	SRV	
	1	0.039	24.51	SRV	
	2	0.772	0.0	SRV	
	3	1.312	75.49	SRV	
	1	0.189	0.069	SRV	
	2	0.208	36.863	SRV	
	3	1.464	63.068	SRV	
	1	0.0	21.453	SRV	
	2	0.575	12.88	SRV	
	3	1.41	65.668	SRV	
	1	0.0	22.254	SRV	
	2	0.654	12.67	SRV	
	3	1.409	65.076	SRV	

