

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

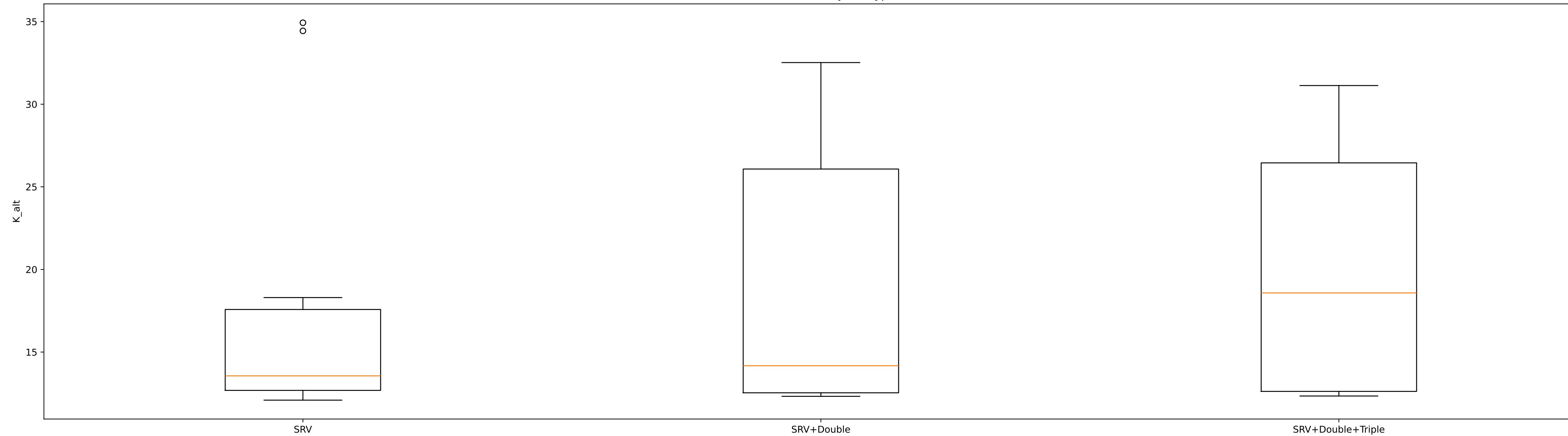
Includes:

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

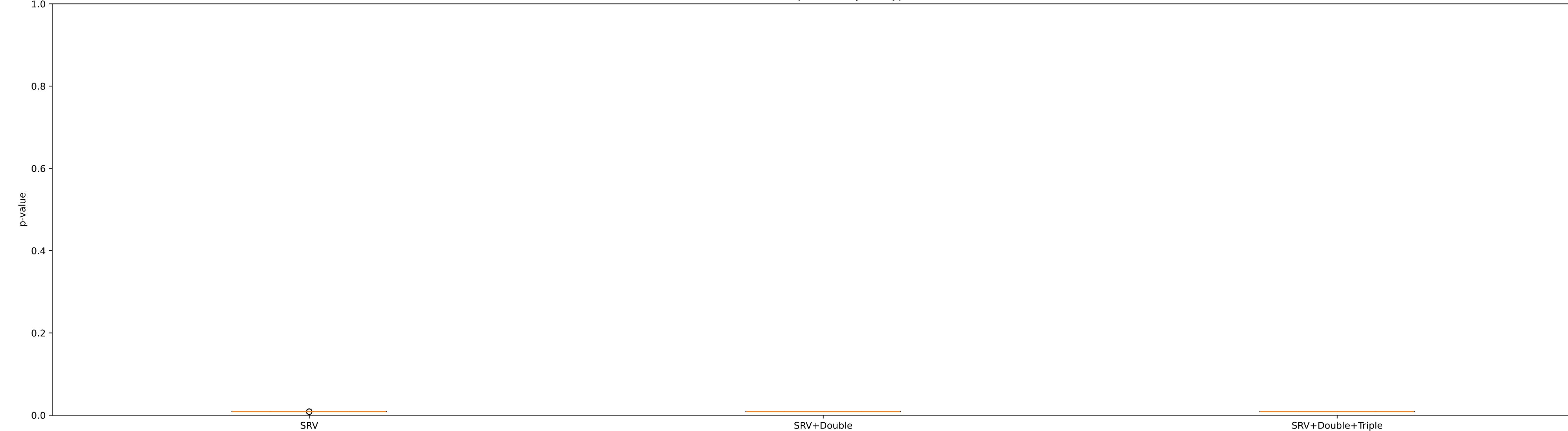
Run-type summary statistics

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
0.0087	0.0086	0.0087	13.56	12.09	34.93	0.3593	0.0	5	nan	nan
0.0087	0.0087	0.0087	14.175	12.32	32.52	0.3593	0.0	6	0.0	0.0
0.0087	0.0087	0.0087	18.58	12.34	31.13	0.3593	0.0	3	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	0.0087	12.09	0.3593	0.0
	2	0.0087	15.41	0.3593	0.0
	3	0.0087	34.93	0.3593	0.0
	4	0.0087	14.1	0.3593	0.0
	5	0.0087	12.74	0.3593	0.0
	6	0.0087	12.66	0.3593	0.0
	7	0.0087	18.3	0.3593	0.0
	8	0.0087	34.44	0.3593	0.0
	9	0.0087	12.11	0.3593	0.0
	10	0.0086	13.02	0.3593	0.0

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.0087	13.04	0.3593	0.0
	2	0.0087	26.85	0.3593	0.0
	3	0.0087	12.32	0.3593	0.0
	4	0.0087	23.76	0.3593	0.0
	5	0.0087	32.52	0.3593	0.0
	6	0.0087	12.52	0.3593	0.0
	7	0.0087	12.58	0.3593	0.0
	8	0.0087	12.34	0.3593	0.0
	9	0.0087	29.26	0.3593	0.0
	10	0.0087	15.31	0.3593	0.0

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

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test
	1	0.0087	31.13	0.3593	0.0
	2	0.0087	21.66	0.3593	0.0
	3	0.0087	12.8	0.3593	0.0
	4	0.0087	30.65	0.3593	0.0
	5	0.0087	24.71	0.3593	0.0
	6	0.0087	12.56	0.3593	0.0
	7	0.0087	12.34	0.3593	0.0
	8	0.0087	27.03	0.3593	0.0
	9	0.0087	12.44	0.3593	0.0
	10	0.0087	15.5	0.3593	0.0

			Diversifying selection	2.577	0.0	SRV+Double
	test		Negative selection	0.0	0.0	SRV+Double
	test		Negative selection	0.0	100.0	SRV+Double
	test		Negative selection	0.002	0.0	SRV+Double
	test		Negative selection	0.374	100.0	SRV+Double
	reference		Diversifying selection	5.672	0.0	SRV+Double
	reference		Negative selection	0.003	0.0	SRV+Double
	reference		Negative selection	0.293	100.0	SRV+Double
	test		Diversifying selection	5.672	0.0	SRV+Double
	test		Negative selection	0.003	0.0	SRV+Double
	test		Negative selection	0.293	100.0	SRV+Double
	reference		Diversifying selection	2.02	0.0	SRV+Double
	reference		Negative selection	0.001	0.0	SRV+Double
	reference		Negative selection	0.374	100.0	SRV+Double
	test		Diversifying selection	2.02	0.0	SRV+Double
	test		Negative selection	0.0	0.0	SRV+Double
	test		Negative selection	0.0	100.0	SRV+Double
	test		Negative selection	0.001	0.0	SRV+Double
	test		Negative selection	0.374	100.0	SRV+Double
	reference		Diversifying selection	3.683	0.0	SRV+Double
	reference		Negative selection	0.256	32.572	SRV+Double
	reference		Negative selection	0.311	67.428	SRV+Double
	test		Diversifying selection	3.683	0.0	SRV+Double
	test		Negative selection	0.256	32.572	SRV+Double
	test		Negative selection	0.311	67.428	SRV+Double
	reference		Diversifying selection	6.184	0.0	SRV+Double
	reference		Negative selection	0.001	0.0	SRV+Double
	reference		Negative selection	0.374	100.0	SRV+Double
	test		Diversifying selection	6.184	0.0	SRV+Double
	test		Negative selection	0.0	0.0	SRV+Double
	test		Negative selection	0.0	100.0	SRV+Double
	test		Negative selection	0.001	0.0	SRV+Double
	test		Negative selection	0.374	100.0	SRV+Double
	reference		Diversifying selection	1.153	0.0	SRV+Double
	reference		Negative selection	0.248	29.869	SRV+Double
	reference		Negative selection	0.313	70.131	SRV+Double
	test		Diversifying selection	1.153	0.0	SRV+Double
	test		Negative selection	0.248	29.869	SRV+Double
	test		Negative selection	0.313	70.131	SRV+Double
	reference		Diversifying selection	6.16	0.0	SRV+Double
	reference		Negative selection	0.002	0.0	SRV+Double
	reference		Negative selection	0.376	100.0	SRV+Double
	test		Diversifying selection	6.16	0.0	SRV+Double
	test		Negative selection	0.0	0.0	SRV+Double
	test		Negative selection	0.0	100.0	SRV+Double
	test		Negative selection	0.002	0.0	SRV+Double
	test		Negative selection	0.376	100.0	SRV+Double
	reference		Diversifying selection	1.125	0.0	SRV+Double
	reference		Negative selection	0.0	0.0	SRV+Double

			9.128	9.886		SRV
	1		0.015	56.539		SRV
	2		0.278	33.692		SRV
	3		9.192	9.769		SRV
	1		0.0	SRV rate classes (all) (cols 1-6/6)	53.817	
	2		0.286		36.473	
	3		9.223		9.71	
	1		0.038		58.042	
	2		0.217		31.947	
	3		9.073		10.011	
	1		0.006		54.573	
	2		0.257		35.507	
	3		9.128		9.92	
	1		0.049		59.158	
	2		0.211		30.891	
	3		9.105		9.951	
	1		0.016		56.919	
	2		0.249		33.105	
	3		9.102		9.976	
	1		0.034		58.983	
	2		0.231		31.0	
	3		9.069		10.016	
	1		0.0		54.42	
	2		0.268		35.675	
	3		9.13		9.906	
	1		0.058		60.132	
	2		0.166		29.666	
	3		8.978		10.202	
	1		0.031		58.148	
	2		0.24		31.909	
	3		9.104		9.943	
	1		0.038		57.57	
	2		0.223		32.468	
	3		9.095		9.962	
	1		0.015		54.023	
	2		0.228		35.967	
	3		9.087		10.009	
	1		0.048		58.863	
	2		0.216		31.222	
	3		9.12		9.915	
	1		0.008		55.195	
	2		0.267		34.952	
	3		9.161		9.853	
	1		0.043		59.801	
	2		0.21		30.125	
	3		9.042		10.073	
	1		0.033		57.452	
	2		0.208		32.442	
	3		9.039		10.106	
	1		0.0		32.023	

