RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple
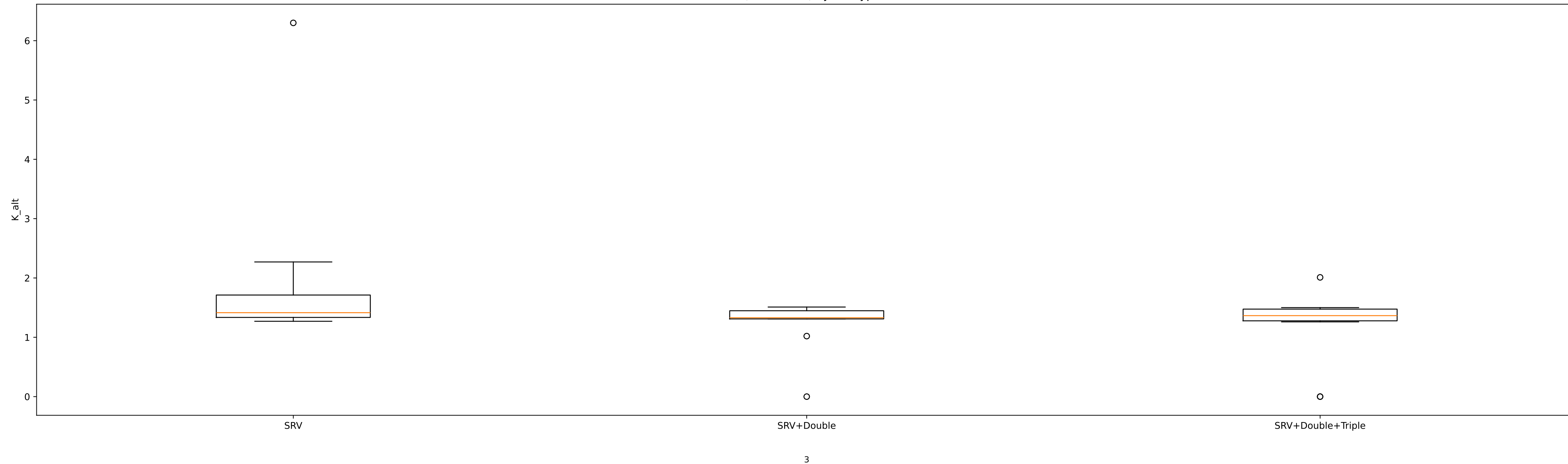
Includes:
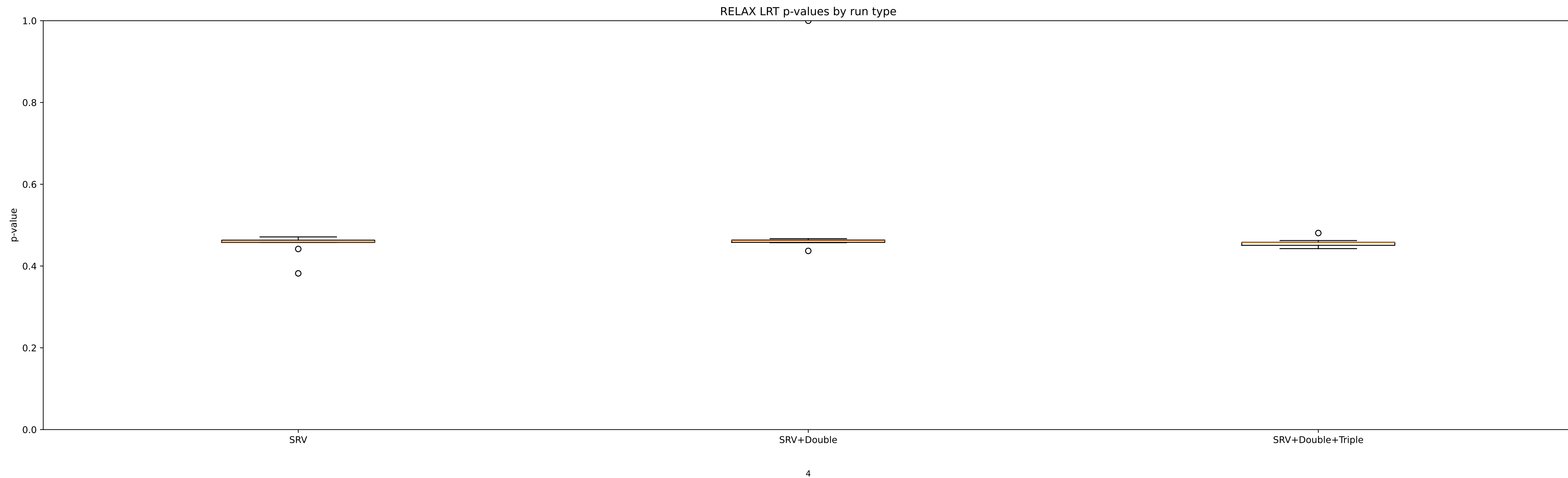
- Run-type summary

- 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
0.4591	0.382	0.4712	1.415	1.27	6.3	0.3747	0.2965	10	nan	nan
0.462	0.437	1.0	1.33	0.0	1.51	0.3747	0.2965	10	0.0	0.0
0.4571	0.4426	0.4807	1.365	0.0	2.01	0.3747	0.2965	10	0.0	0.0

K (alternative) by run type

RELAX LRT p-values by run type

p-value

SRV   SRV+Double   SRV+Double+Triple

4

2H rates (reference) by run type

5

2H rates (test) by run type

3H rates (reference) by run type

(y-axis) 3H rate

(x-axis) SRV | SRV+Double | SRV+Double+Triple

3H rates (test) by run type

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.4417	2.27	0.3747	0.2965	
	2	0.4712	1.27	0.3747	0.2965	
	3	0.4633	1.54	0.3747	0.2965	
	4	0.4661	1.28	0.3747	0.2965	
	5	0.4576	1.77	0.3747	0.2965	
	6	0.4579	1.35	0.3747	0.2965	
	7	0.4631	1.33	0.3747	0.2965	
	8	0.4584	1.37	0.3747	0.2965	
	9	0.382	6.3	0.3747	0.2965	
	10	0.4598	1.46	0.3747	0.2965	

	replicate	global_dNdS_reference	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.4575	1.49	0.3747	0.2965	
	2		0.4619	1.51	0.3747	0.2965	
	3		0.4638	1.31	0.3747	0.2965	
	4		0.4669	1.32	0.3747	0.2965	
	5		0.4572	1.35	0.3747	0.2965	
	6		0.459	1.48	0.3747	0.2965	
	7		0.4628	1.31	0.3747	0.2965	
	8		1.0	1.02	0.3747	0.2965	
	9		0.437	0.0	0.3747	0.2965	
	10		0.462	1.34	0.3747	0.2965	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.4489	0.0	0.3747	0.2965	
2	0.4577	1.36	0.3747	0.2965	
3	0.4558	1.5	0.3747	0.2965	
4	0.4582	1.33	0.3747	0.2965	
5	0.4574	1.37	0.3747	0.2965	
6	0.4807	1.26	0.3747	0.2965	
7	0.4569	1.4	0.3747	0.2965	
8	0.4623	1.5	0.3747	0.2965	
9	0.4426	2.01	0.3747	0.2965	
10	0.445	0.0	0.3747	0.2965	

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

test	Negative selection	0.018	14.363	SRV+Double	
test	Negative selection	0.174	77.466	SRV+Double	
test	Negative selection	0.047	14.363	SRV+Double	
test	Negative selection	0.266	77.466	SRV+Double	
reference	Diversifying selection	0.045	8.649	SRV+Double	
reference	Negative selection	0.001	15.992	SRV+Double	
reference	Negative selection	0.256	75.359	SRV+Double	
test	Diversifying selection	2.063	8.649	SRV+Double	
test	Negative selection	0.001	15.992	SRV+Double	
test	Negative selection	0.256	75.359	SRV+Double	
reference	Diversifying selection	1.715	11.26	SRV+Double	
reference	Negative selection	0.082	4.003	SRV+Double	
reference	Negative selection	0.21	84.737	SRV+Double	
test	Diversifying selection	2.072	11.26	SRV+Double	
test	Diversifying selection	1.715	11.26	SRV+Double	
test	Negative selection	0.034	4.003	SRV+Double	
test	Negative selection	0.122	84.737	SRV+Double	
test	Negative selection	0.082	4.003	SRV+Double	
test	Negative selection	0.21	84.737	SRV+Double	
reference	Diversifying selection	1.757	12.154	SRV+Double	
reference	Negative selection	0.0	4.823	SRV+Double	
reference	Negative selection	0.19	83.023	SRV+Double	
test	Diversifying selection	1.757	12.154	SRV+Double	
test	Negative selection	0.0	4.823	SRV+Double	
test	Negative selection	0.19	83.023	SRV+Double	
reference	Diversifying selection	1.509	13.3	SRV+Double	
reference	Negative selection	0.054	35.025	SRV+Double	
reference	Negative selection	0.296	51.675	SRV+Double	
test	Diversifying selection	1.842	13.3	SRV+Double	
test	Diversifying selection	1.509	13.3	SRV+Double	
test	Negative selection	0.013	35.025	SRV+Double	
test	Negative selection	0.164	51.675	SRV+Double	
test	Negative selection	0.054	35.025	SRV+Double	
test	Negative selection	0.296	51.675	SRV+Double	
reference	Diversifying selection	1.51	15.539	SRV+Double	
reference	Negative selection	0.019	41.444	SRV+Double	
reference	Negative selection	0.298	43.016	SRV+Double	
test	Diversifying selection	1.51	15.539	SRV+Double	
test	Negative selection	0.019	41.444	SRV+Double	
test	Negative selection	0.298	43.016	SRV+Double	
reference	Diversifying selection	1.919	8.919	SRV+Double	
reference	Negative selection	0.044	4.488	SRV+Double	
reference	Negative selection	0.233	86.593	SRV+Double	
test	Diversifying selection	2.355	8.919	SRV+Double	
test	Diversifying selection	1.919	8.919	SRV+Double	
test	Negative selection	0.017	4.488	SRV+Double	
test	Negative selection	0.147	86.593	SRV+Double	
test	Negative selection	0.044	4.488	SRV+Double	
test	Negative selection	0.233	86.593	SRV+Double	
reference	Diversifying selection	2.006	9.423	SRV+Double	

	class_id	syn_rate	proportion_percent	run_type	
	1	0.212	20.809	SRV	
	2	0.271	18.625	SRV	
	3	1.495	60.566	SRV	
	1	0.213	37.463	SRV	
	2	0.214	0.052	SRV	
	3	1.473	62.485	SRV	
	1	0.224	32.078	SRV	
	2	0.271	6.856	SRV	
	3	1.489	61.065	SRV	
	1	0.219	37.774	SRV	
	2	0.248	0.184	SRV	
	3	1.478	62.043	SRV	
	1	0.225	31.668	SRV	
	2	0.249	6.993	SRV	
	3	1.486	61.339	SRV	
	1	0.22	30.029	SRV	
	2	0.254	8.57	SRV	
	3	1.485	61.401	SRV	
	1	0.212	0.19	SRV	
	2	0.22	37.819	SRV	
	3	1.478	61.99	SRV	
	1	0.221	30.533	SRV	
	2	0.256	8.108	SRV	
	3	1.486	61.358	SRV	
	1	0.242	37.499	SRV	
	2	0.245	2.249	SRV	
	3	1.5	60.252	SRV	
	1	0.21	0.344	SRV	
	2	0.229	38.298	SRV	
	3	1.485	61.358	SRV	

test	2H	0.0	SRV+Double
reference	2H	0.0	SRV+Double
test	2H	0.0	SRV+Double
reference	2H	0.0	SRV+Double
test	2H	0.0	SRV+Double
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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	SRV+Double+Triple