RELAX Combined Report

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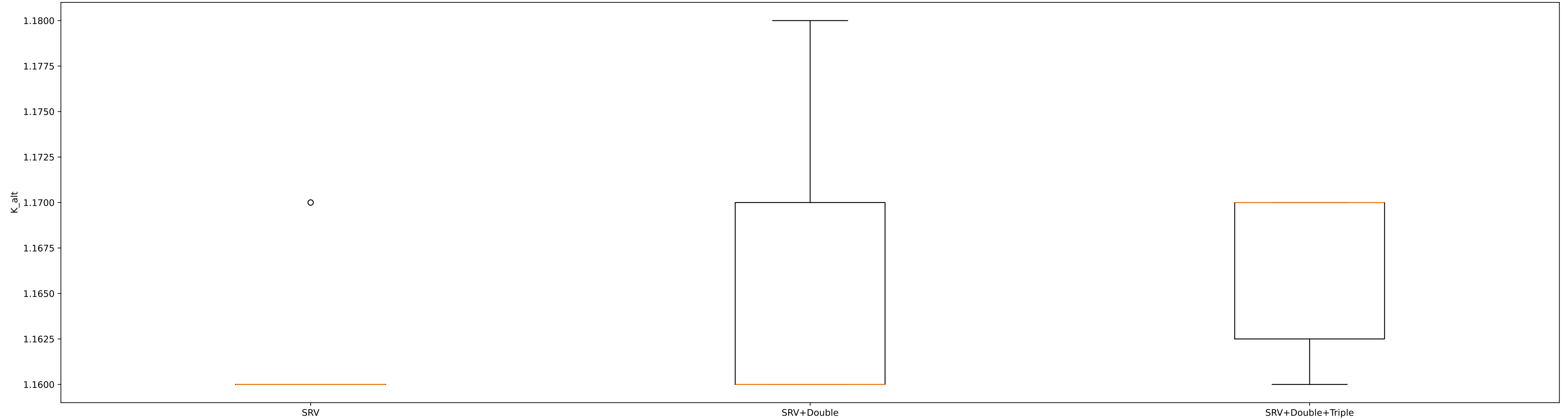
Includes:
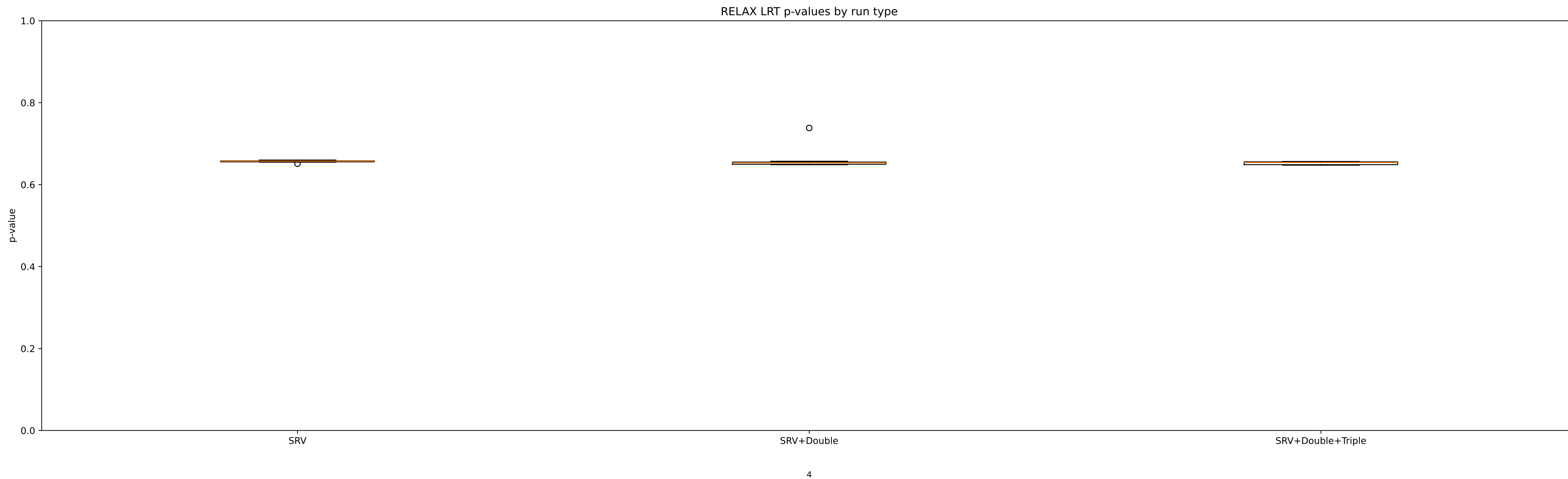
- Run-type summary

- 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
0.6574	0.6511	0.66	1.16	1.16	1.17	0.2268	0.1791	10	nan	nan
0.6534	0.6487	0.7383	1.16	1.16	1.18	0.2268	0.1791	10	0.0	0.0
0.6539	0.6475	0.6565	1.17	1.16	1.17	0.2268	0.1791	10	0.0	0.0

K (alternative) by run type

RELAX LRT p-values by run type

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2H rates (reference) by run type

2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

SRV   SRV+Double   SRV+Double+Triple

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.6511	1.17	0.2268	0.1791	
	2	0.6557	1.16	0.2268	0.1791	
	3	0.66	1.16	0.2268	0.1791	
	4	0.6581	1.16	0.2268	0.1791	
	5	0.6549	1.16	0.2268	0.1791	
	6	0.6575	1.16	0.2268	0.1791	
	7	0.6572	1.16	0.2268	0.1791	
	8	0.6581	1.16	0.2268	0.1791	
	9	0.6559	1.16	0.2268	0.1791	
	10	0.6596	1.16	0.2268	0.1791	

replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1		0.6527	1.16	0.2268	0.1791	
2		0.6541	1.16	0.2268	0.1791	
3		0.6488	1.17	0.2268	0.1791	
4		0.6493	1.18	0.2268	0.1791	
5		0.6554	1.17	0.2268	0.1791	
6		0.654	1.16	0.2268	0.1791	
7		0.6487	1.17	0.2268	0.1791	
8		0.6513	1.16	0.2268	0.1791	
9		0.6571	1.16	0.2268	0.1791	
10		0.7383	1.16	0.2268	0.1791	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.6556	1.16	0.2268	0.1791	
	2	0.6532	1.17	0.2268	0.1791	
	3	0.6475	1.17	0.2268	0.1791	
	4	0.6557	1.16	0.2268	0.1791	
	5	0.6477	1.17	0.2268	0.1791	
	6	0.6483	1.17	0.2268	0.1791	
	7	0.6546	1.17	0.2268	0.1791	
	8	0.6502	1.17	0.2268	0.1791	
	9	0.6556	1.16	0.2268	0.1791	
	10	0.6565	1.17	0.2268	0.1791	

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

test	Negative selection	0.002	20.768	SRV+Double	
test	Negative selection	0.215	79.232	SRV+Double	
test	Negative selection	0.006	20.768	SRV+Double	
test	Negative selection	0.271	79.232	SRV+Double	
reference	Diversifying selection	2.215	0.0	SRV+Double	
reference	Negative selection	0.005	20.349	SRV+Double	
reference	Negative selection	0.267	79.651	SRV+Double	
test	Diversifying selection	2.235	0.0	SRV+Double	
test	Negative selection	0.005	20.349	SRV+Double	
test	Negative selection	0.267	79.651	SRV+Double	
reference	Diversifying selection	1.105	1.319	SRV+Double	
reference	Negative selection	0.0	8.627	SRV+Double	
reference	Negative selection	0.224	90.054	SRV+Double	
test	Diversifying selection	1.123	1.319	SRV+Double	
test	Diversifying selection	1.105	1.319	SRV+Double	
test	Negative selection	0.0	8.627	SRV+Double	
test	Negative selection	0.175	90.054	SRV+Double	
test	Negative selection	0.0	8.627	SRV+Double	
test	Negative selection	0.224	90.054	SRV+Double	
reference	Diversifying selection	1.189	1.262	SRV+Double	
reference	Negative selection	0.005	8.619	SRV+Double	
reference	Negative selection	0.22	90.118	SRV+Double	
test	Diversifying selection	1.189	1.262	SRV+Double	
test	Negative selection	0.005	8.619	SRV+Double	
test	Negative selection	0.22	90.118	SRV+Double	
reference	Diversifying selection	1.083	1.229	SRV+Double	
reference	Negative selection	0.134	51.641	SRV+Double	
reference	Negative selection	0.283	47.13	SRV+Double	
test	Diversifying selection	1.098	1.229	SRV+Double	
test	Diversifying selection	1.083	1.229	SRV+Double	
test	Negative selection	0.097	51.641	SRV+Double	
test	Negative selection	0.23	47.13	SRV+Double	
test	Negative selection	0.134	51.641	SRV+Double	
test	Negative selection	0.283	47.13	SRV+Double	
reference	Diversifying selection	1.171	1.115	SRV+Double	
reference	Negative selection	0.133	51.765	SRV+Double	
reference	Negative selection	0.279	47.12	SRV+Double	
test	Diversifying selection	1.171	1.115	SRV+Double	
test	Negative selection	0.133	51.765	SRV+Double	
test	Negative selection	0.279	47.12	SRV+Double	
reference	Diversifying selection	1.008	0.0	SRV+Double	
reference	Negative selection	0.108	50.536	SRV+Double	
reference	Negative selection	0.326	49.464	SRV+Double	
test	Diversifying selection	1.01	0.0	SRV+Double	
test	Diversifying selection	1.008	0.0	SRV+Double	
test	Negative selection	0.074	50.536	SRV+Double	
test	Negative selection	0.27	49.464	SRV+Double	
test	Negative selection	0.108	50.536	SRV+Double	
test	Negative selection	0.326	49.464	SRV+Double	
reference	Diversifying selection	2.247	0.0	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	19.465	SRV	
	2	0.986	75.04	SRV	
	3	4.735	5.495	SRV	
	1	0.0	19.645	SRV	
	2	0.992	75.032	SRV	
	3	4.801	5.323	SRV	
	1	0.0	19.696	SRV	
	2	0.995	75.073	SRV	
	3	4.844	5.231	SRV	
	1	0.0	19.829	SRV	
	2	0.997	74.964	SRV	
	3	4.845	5.207	SRV	
	1	0.0	19.788	SRV	
	2	0.997	75.005	SRV	
	3	4.85	5.207	SRV	
	1	0.0	19.854	SRV	
	2	0.998	74.956	SRV	
	3	4.852	5.19	SRV	
	1	0.0	19.717	SRV	
	2	0.995	75.051	SRV	
	3	4.841	5.232	SRV	
	1	0.0	19.867	SRV	
	2	0.998	74.935	SRV	
	3	4.853	5.198	SRV	
	1	0.0	19.743	SRV	
	2	0.996	75.044	SRV	
	3	4.847	5.213	SRV	
	1	0.0	19.723	SRV	
	2	0.995	75.041	SRV	
	3	4.836	5.236	SRV	

Multihit (2H/3H) rates (all) (cols 1-6/6)

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
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