

## RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

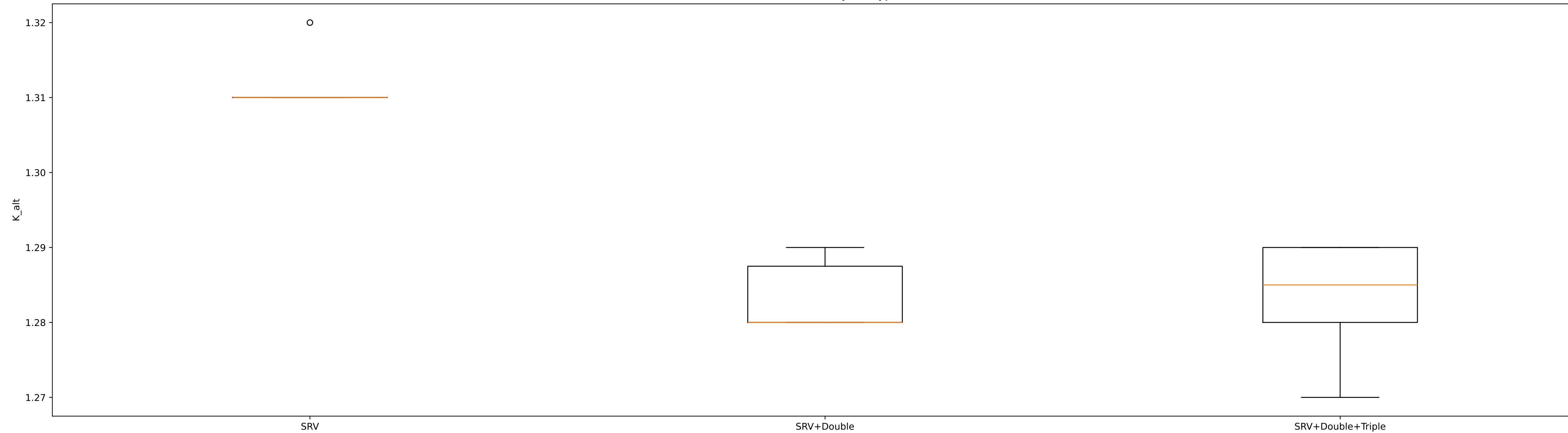
Includes:

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

## Run-type summary statistics

<b>p_median</b>	<b>p_min</b>	<b>p_max</b>	<b>K_median</b>	<b>K_min</b>	<b>K_max</b>	<b>omega_ref_medi an</b>	<b>omega_test_medi an</b>	<b>warnings_count</b>	<b>2H_reference_m edian</b>	<b>2H_test_medi an</b>
0.0414	0.0408	0.0418	1.31	1.31	1.32	0.2541	0.1818	0	nan	nan
0.0335	0.0282	0.049	1.28	1.28	1.29	0.2541	0.1818	0	0.0548	0.1326
0.0339	0.0334	0.0554	1.285	1.27	1.29	0.2541	0.1818	0	0.0541	0.1026

K (alternative) by run type



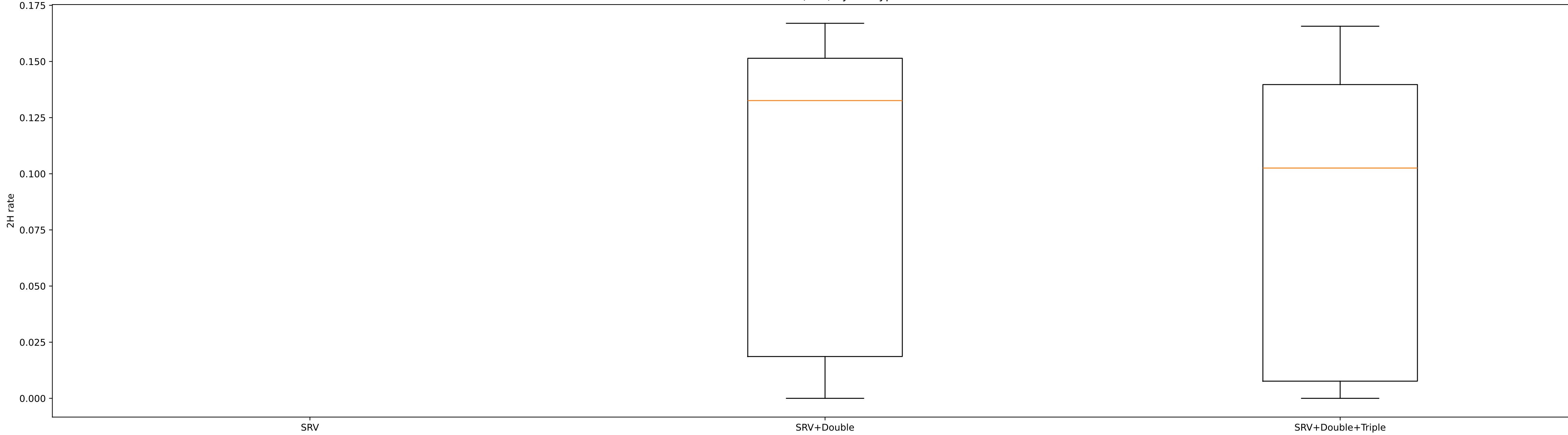
RELAX LRT p-values by run type



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)

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.0412	1.31	0.2541	0.1818
	2	0.0416	1.31	0.2541	0.1818
	3	0.0414	1.31	0.2541	0.1818
	4	0.0408	1.32	0.2541	0.1818
	5	0.0413	1.31	0.2541	0.1818
	6	0.041	1.31	0.2541	0.1818
	7	0.0418	1.31	0.2541	0.1818
	8	0.0411	1.31	0.2541	0.1818
	9	0.0414	1.31	0.2541	0.1818
	10	0.0414	1.31	0.2541	0.1818

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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.0339	1.29	0.2535	0.1816
	2	0.0309	1.28	0.2541	0.1818
	3	0.0479	1.28	0.2541	0.1818
	4	0.0282	1.28	0.2541	0.1818
	5	0.0464	1.28	0.2541	0.1818
	6	0.0342	1.29	0.2541	0.1818
	7	0.0331	1.29	0.2541	0.1818
	8	0.049	1.28	0.2541	0.1818
	9	0.0302	1.28	0.2541	0.1818
	10	0.0322	1.28	0.2541	0.1818

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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.0493	1.28	0.2541	0.1818
	2	0.0334	1.29	0.2541	0.1818
	3	0.0336	1.29	0.2541	0.1818
	4	0.0353	1.27	0.2541	0.1818
	5	0.0546	1.28	0.2541	0.1818
	6	0.0554	1.28	0.2541	0.1818
	7	0.0336	1.29	0.2541	0.1818
	8	0.0337	1.29	0.2541	0.1818
	9	0.0334	1.28	0.2541	0.1818
	10	0.034	1.29	0.2541	0.1818

	test	Negative selection	0.147	92.168	SRV+Double
	test	Negative selection	0.246	7.832	SRV+Double
	test	Negative selection	0.223	92.168	SRV+Double
	test	Negative selection	0.334	7.832	SRV+Double
	reference	Diversifying selection	0.0	SRV+Double	
	reference	Negative selection	0.203	97.282	SRV+Double
	reference	Negative selection	0.858	2.718	SRV+Double
	test	Diversifying selection	4.35	0.0	SRV+Double
	test	Negative selection	0.203	97.282	SRV+Double
	test	Negative selection	0.858	2.718	SRV+Double
	reference	Diversifying selection	1.012	0.0	SRV+Double
	reference	Negative selection	0.214	87.791	SRV+Double
	reference	Negative selection	0.361	12.209	SRV+Double
	test	Diversifying selection	1.015	0.0	SRV+Double
	test	Diversifying selection	1.012	0.0	SRV+Double
	test	Negative selection	0.139	87.791	SRV+Double
	test	Negative selection	0.272	12.209	SRV+Double
	test	Negative selection	0.214	87.791	SRV+Double
	test	Negative selection	0.361	12.209	SRV+Double
	reference	Diversifying selection	1.473	0.0	SRV+Double
	reference	Negative selection	0.179	88.701	SRV+Double
	reference	Negative selection	0.564	11.299	SRV+Double
	test	Diversifying selection	1.473	0.0	SRV+Double
	test	Negative selection	0.179	88.701	SRV+Double
	test	Negative selection	0.564	11.299	SRV+Double
	reference	Diversifying selection	2.168	0.0	SRV+Double
	reference	Negative selection	0.122	39.206	SRV+Double
	reference	Negative selection	0.307	60.794	SRV+Double
	test	Diversifying selection	2.711	0.0	SRV+Double
	test	Diversifying selection	2.168	0.0	SRV+Double
	test	Negative selection	0.066	39.206	SRV+Double
	test	Negative selection	0.218	60.794	SRV+Double
	test	Negative selection	0.122	39.206	SRV+Double
	test	Negative selection	0.307	60.794	SRV+Double
	reference	Diversifying selection	3.647	0.0	SRV+Double
	reference	Negative selection	0.039	32.462	SRV+Double
	reference	Negative selection	0.313	67.538	SRV+Double
	test	Diversifying selection	3.647	0.0	SRV+Double
	test	Negative selection	0.039	32.462	SRV+Double
	test	Negative selection	0.313	67.538	SRV+Double
	reference	Diversifying selection	1.01	0.0	SRV+Double
	reference	Negative selection	0.102	29.945	SRV+Double
	reference	Negative selection	0.29	70.055	SRV+Double
	test	Diversifying selection	1.014	0.0	SRV+Double
	test	Diversifying selection	1.01	0.0	SRV+Double
	test	Negative selection	0.053	29.945	SRV+Double
	test	Negative selection	0.203	70.055	SRV+Double
	test	Negative selection	0.102	29.945	SRV+Double
	test	Negative selection	12.29	70.055	SRV+Double
	reference	Diversifying selection	1.325	0.0	SRV+Double

			5.37	1.866		SRV
	1		0.692	83.437		SRV
	2		2.187	14.58		SRV
	3		5.212	1.983		SRV
	1		0.693	SRV rate classes (all) (cols 1-6/6)	83.577	SRV
	2		2.206	14.583		SRV
	3		5.386	1.84		SRV
	1		0.691	83.326		SRV
	2		2.177	14.659		SRV
	3		5.206	2.015		SRV
	1		0.692	83.555		SRV
	2		2.198	14.517		SRV
	3		5.31	1.928		SRV
SRV	1		0.691	83.421		SRV
	2		2.197	14.676		SRV
	3		5.3	1.904		SRV
	1		0.695	83.854		SRV
	2		2.234	14.359		SRV
	3		5.41	1.786		SRV
	1		0.691	83.47		SRV
	2		2.195	14.56		SRV
	3		5.249	1.969		SRV
	1		0.694	83.763		SRV
	2		2.224	14.428		SRV
	3		5.415	1.809		SRV
	1		0.692	83.388		SRV
	2		2.188	14.652		SRV
	3		5.229	1.96		SRV
	1		0.693	83.581		SRV
	2		2.204	14.541		SRV
	3		5.323	1.878		SRV
	1		0.691	83.114		SRV
	2		2.134	14.573		SRV
	3		4.972	2.313		SRV
	1		0.693	83.7		SRV
	2		2.214	14.43		SRV
	3		5.352	1.871		SRV
	1		0.692	83.461		SRV
	2		2.197	14.62		SRV
	3		5.287	1.919		SRV
	1		0.692	83.506		SRV
	2		2.2	14.643		SRV
SRV	3		5.397	1.85		SRV
	1		0.693	83.563		SRV
	2		2.195	14.421		SRV
	3		5.196	2.016		SRV
	1		0.695	83.785		SRV
	2		2.217	14.339		SRV
	3		5.323	1.876		SRV
	1		0.692	83.445		SRV

	test		2H	0.1358	SRV+Double	
	reference		2H	0.0518	SRV+Double	
	reference		2H	0.0242	SRV+Double	
	test		2H	0.0104	SRV+Double	
	test		2H	0.158	SRV+Double	
<b>Multihit (2H/3H) rates (all) (cols 1-6/6)</b>						
	reference		2H	0.1293	SRV+Double+Triple	
	reference		2H	0.0583	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.1428	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0474	SRV+Double+Triple	
	reference		2H	0.0435	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		2H	0.1446	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1288	SRV+Double+Triple	
	reference		2H	0.0553	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.1392	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0549	SRV+Double+Triple	
	reference		2H	0.0217	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0095	SRV+Double+Triple	
	test		2H	0.1008	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1265	SRV+Double+Triple	
	reference		2H	0.0558	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.1399	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0537	SRV+Double+Triple	
	reference		2H	0.0215	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0057	SRV+Double+Triple	
	test		2H	0.1032	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1302	SRV+Double+Triple	
	reference		2H	0.06	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.1401	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.05	SRV+Double+Triple	
	reference		2H	0.045	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		2H	0.1455	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1317	SRV+Double+Triple	