

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

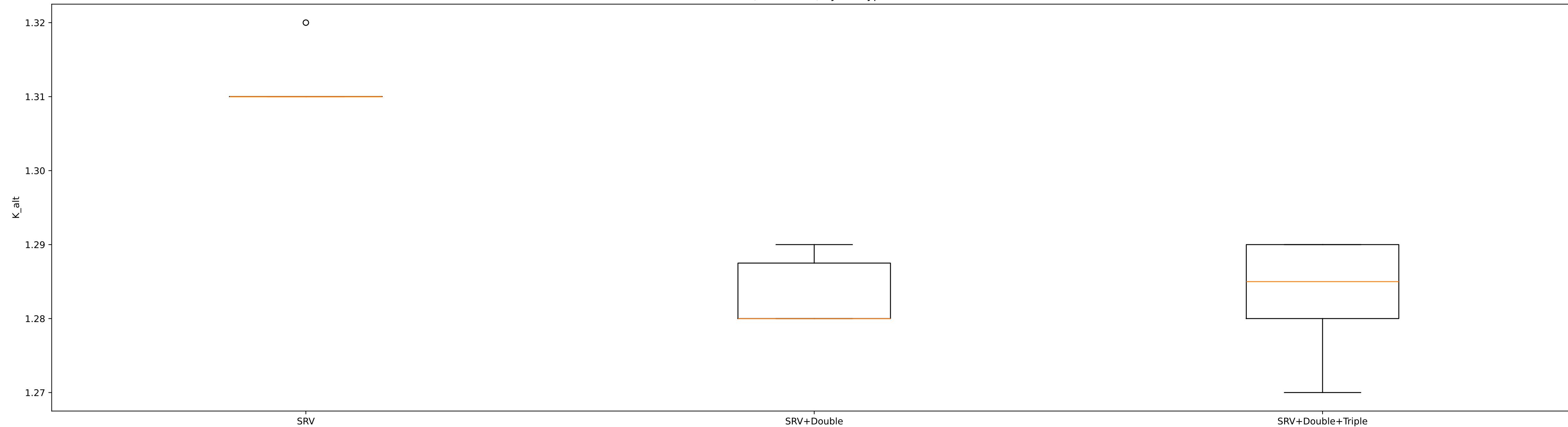
Includes:

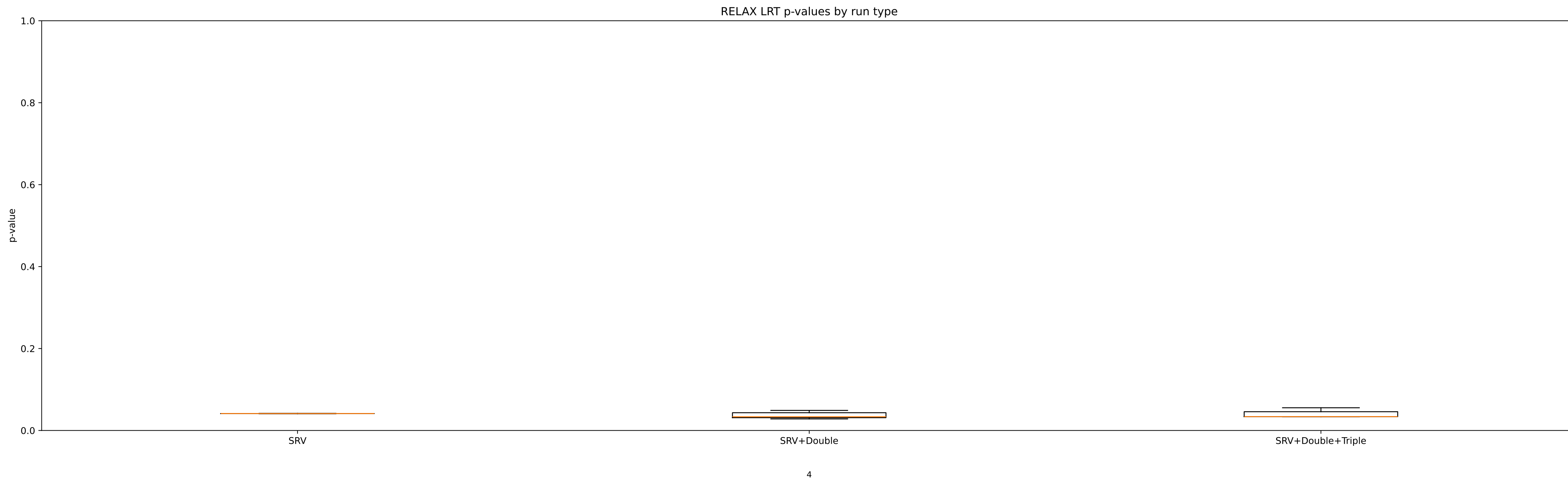
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

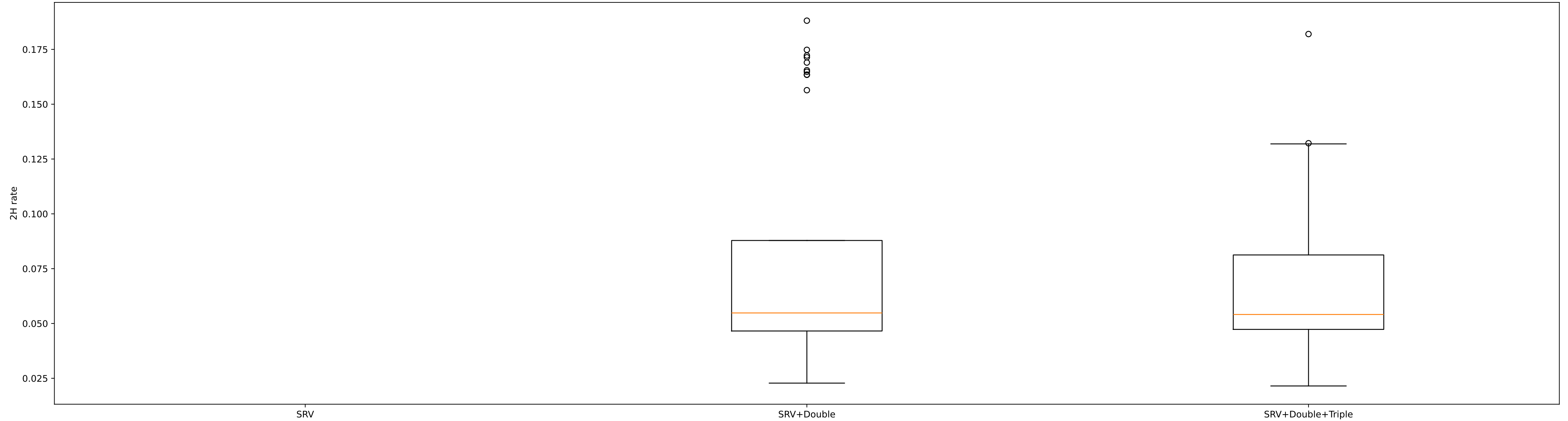
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.0414	0.0408	0.0418	1.31	1.31	1.32	0.2541	0.1818	0	nan	nan
0.0335	0.0282	0.049	1.28	1.28	1.29	0.2541	0.1818	0	0.0548	0.1326
0.0339	0.0334	0.0554	1.285	1.27	1.29	0.2541	0.1818	0	0.0541	0.1026

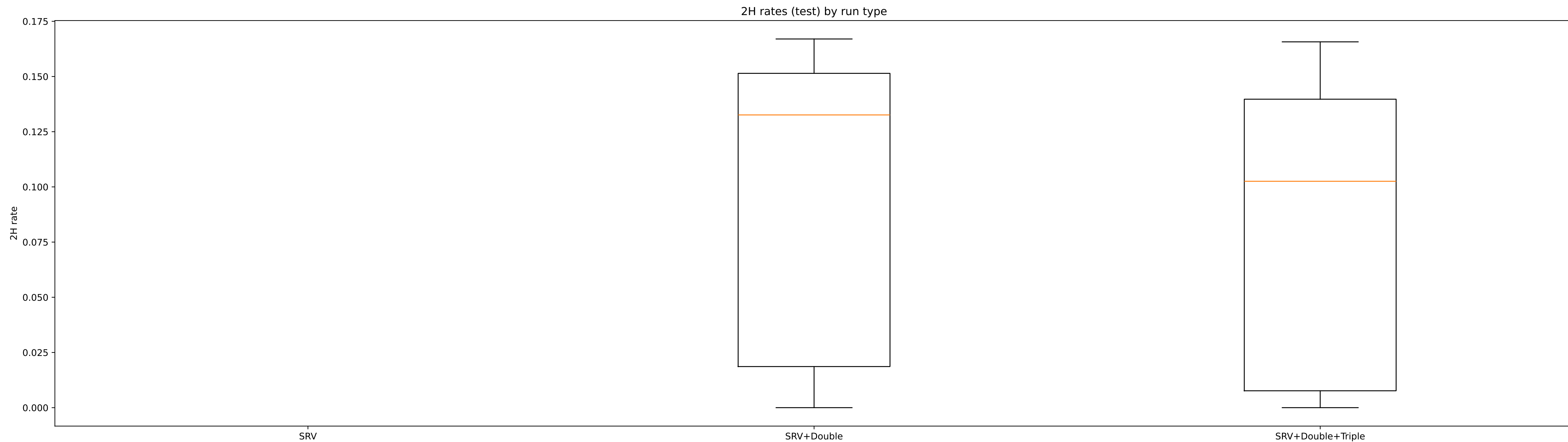
K (alternative) by run type





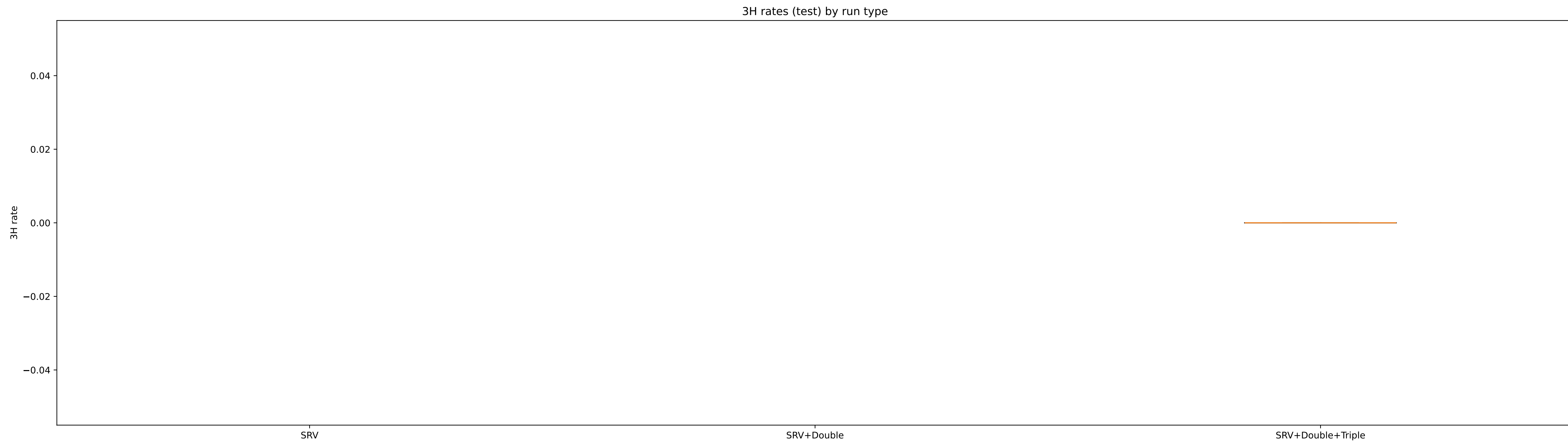
2H rates (reference) by run type





3H rates (reference) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	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	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	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	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	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 s election	0.147	92.168	SRV+Double	
	test	Negative s election	0.246	7.832	SRV+Double	
	test	Negative s election	0.223	92.168	SRV+Double	
	test	Negative s election	0.334	7.832	SRV+Double	
	reference	Diversifyi ng selecti on	0.0	0.0	SRV+Double	
	reference	Negative s election	0.203	97.282	SRV+Double	
	reference	Negative s election	0.858	2.718	SRV+Double	
	test	Diversifyi ng selecti on	4.35	0.0	SRV+Double	
	test	Negative s election	0.203	97.282	SRV+Double	
	test	Negative s election	0.858	2.718	SRV+Double	
	reference	Diversifyi ng selecti on	1.012	0.0	SRV+Double	
	reference	Negative s election	0.214	87.791	SRV+Double	
	reference	Negative s election	0.361	12.209	SRV+Double	
	test	Diversifyi ng selecti on	1.015	0.0	SRV+Double	
	test	Diversifyi ng selecti on	1.012	0.0	SRV+Double	
	test	Negative s election	0.139	87.791	SRV+Double	
	test	Negative s election	0.272	12.209	SRV+Double	
	test	Negative s election	0.214	87.791	SRV+Double	
	test	Negative s election	0.361	12.209	SRV+Double	
	reference	Diversifyi ng selecti on	1.473	0.0	SRV+Double	
	reference	Negative s election	0.179	88.701	SRV+Double	
	reference	Negative s election	0.564	11.299	SRV+Double	
	test	Diversifyi ng selecti on	1.473	0.0	SRV+Double	
	test	Negative s election	0.179	88.701	SRV+Double	
	test	Negative s election	0.564	11.299	SRV+Double	
	reference	Diversifyi ng selecti on	2.168	0.0	SRV+Double	
	reference	Negative s election	0.122	39.206	SRV+Double	
	reference	Negative s election	0.307	60.794	SRV+Double	
	test	Diversifyi ng selecti on	2.711	0.0	SRV+Double	
	test	Diversifyi ng selecti on	2.168	0.0	SRV+Double	
	test	Negative s election	0.066	39.206	SRV+Double	
	test	Negative s election	0.218	60.794	SRV+Double	
	test	Negative s election	0.122	39.206	SRV+Double	
	test	Negative s election	0.307	60.794	SRV+Double	
	reference	Diversifyi ng selecti on	3.647	0.0	SRV+Double	
	reference	Negative s election	0.039	32.462	SRV+Double	
	reference	Negative s election	0.313	67.538	SRV+Double	
	test	Diversifyi ng selecti on	3.647	0.0	SRV+Double	
	test	Negative s election	0.039	32.462	SRV+Double	
	test	Negative s election	0.313	67.538	SRV+Double	
	reference	Diversifyi ng selecti on	1.01	0.0	SRV+Double	
	reference	Negative s election	0.102	29.945	SRV+Double	
	reference	Negative s election	0.29	70.055	SRV+Double	
	test	Diversifyi ng selecti on	1.014	0.0	SRV+Double	
	test	Diversifyi ng selecti on	1.01	0.0	SRV+Double	
	test	Negative s election	0.053	29.945	SRV+Double	
	test	Negative s election	0.203	70.055	SRV+Double	
	test	Negative s election	0.102	29.945	SRV+Double	
	test	Negative s election	12 0.29	70.055	SRV+Double	
	reference	Diversifyi ng selecti on	1.325	0.0	SRV+Double	

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

		3	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	
		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	
		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	13	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	
	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	