

# RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

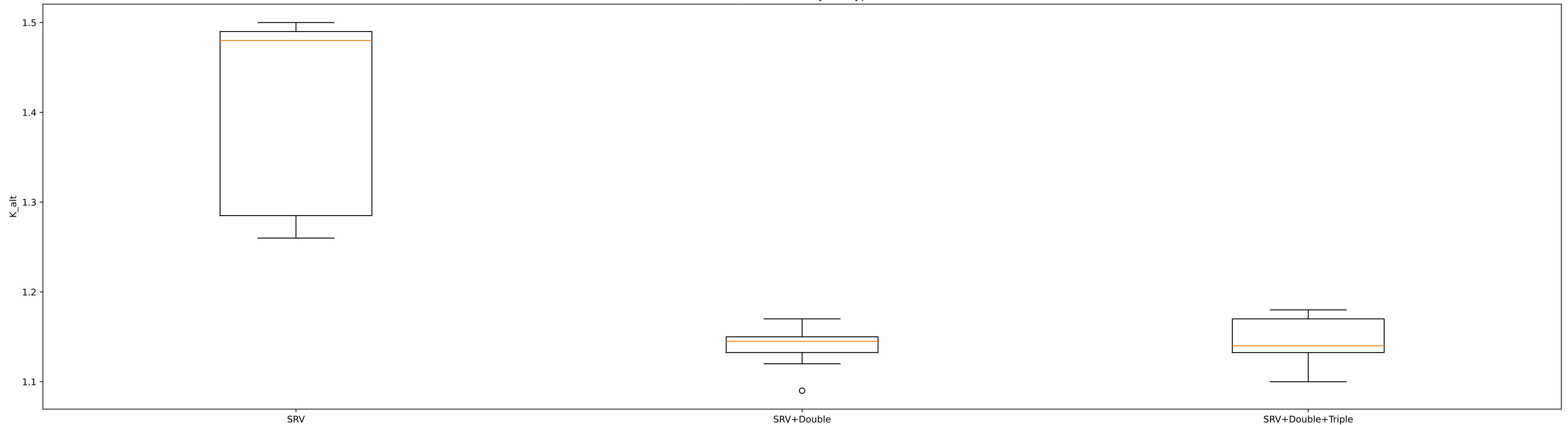
Includes:

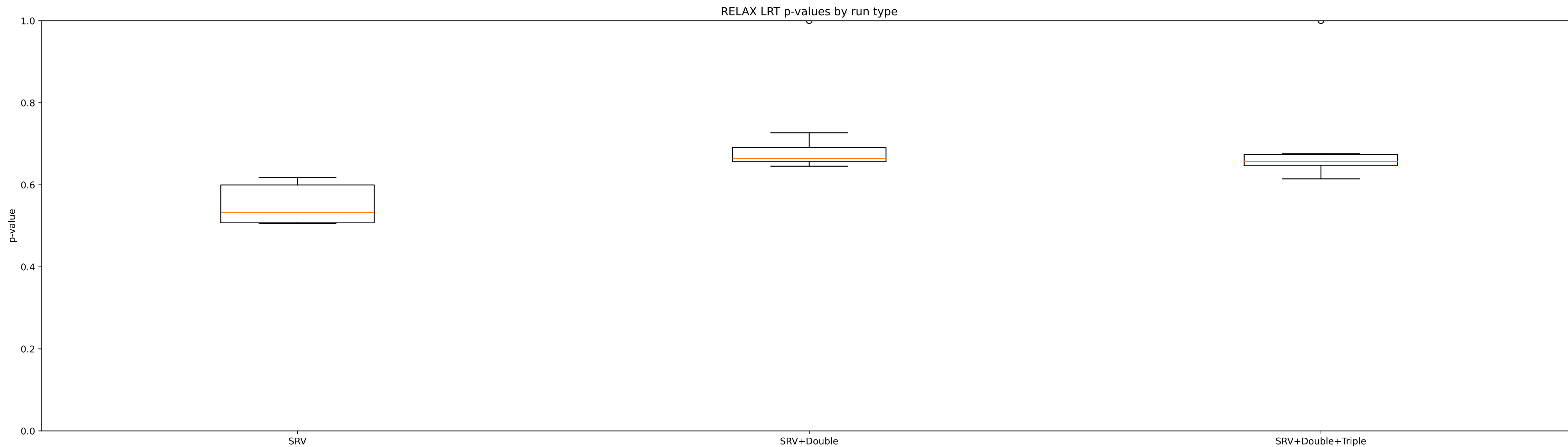
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

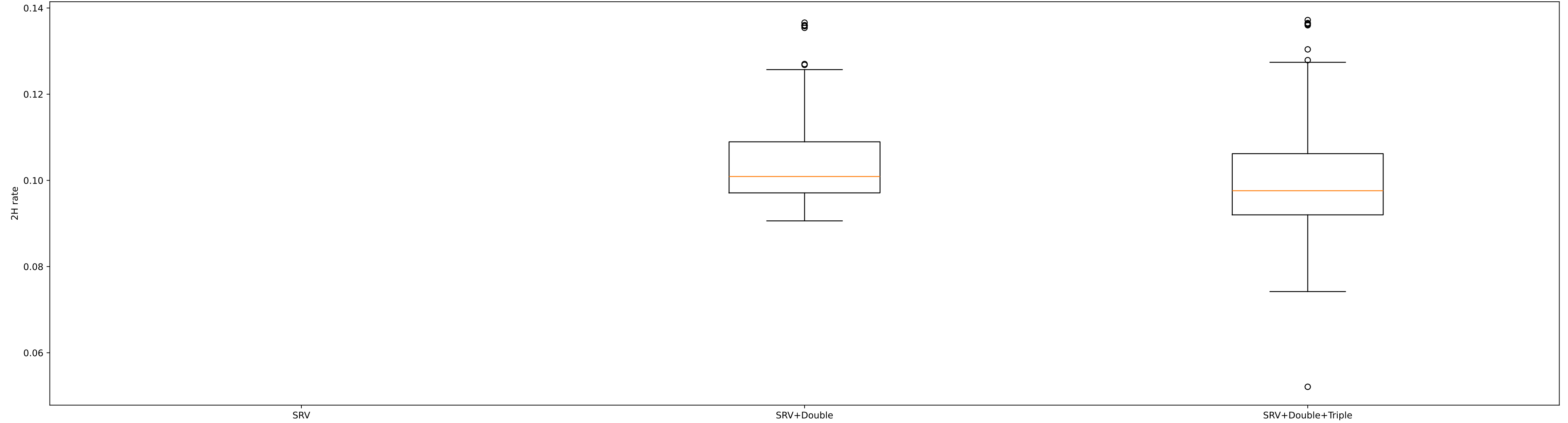
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.5323	0.5056	0.6177	1.48	1.26	1.5	0.201	0.1569	10	nan	nan
0.6643	0.6455	1.0	1.145	1.09	1.17	0.201	0.1569	10	0.1009	0.0
0.6573	0.6145	1.0	1.14	1.1	1.18	0.201	0.1569	10	0.0976	0.0

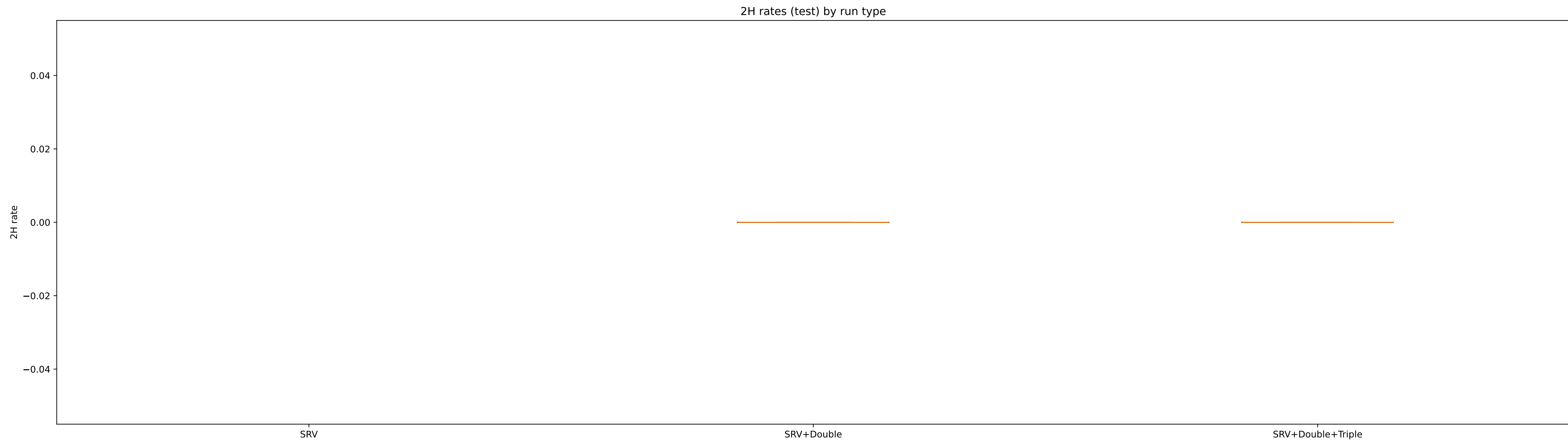
K (alternative) by run type



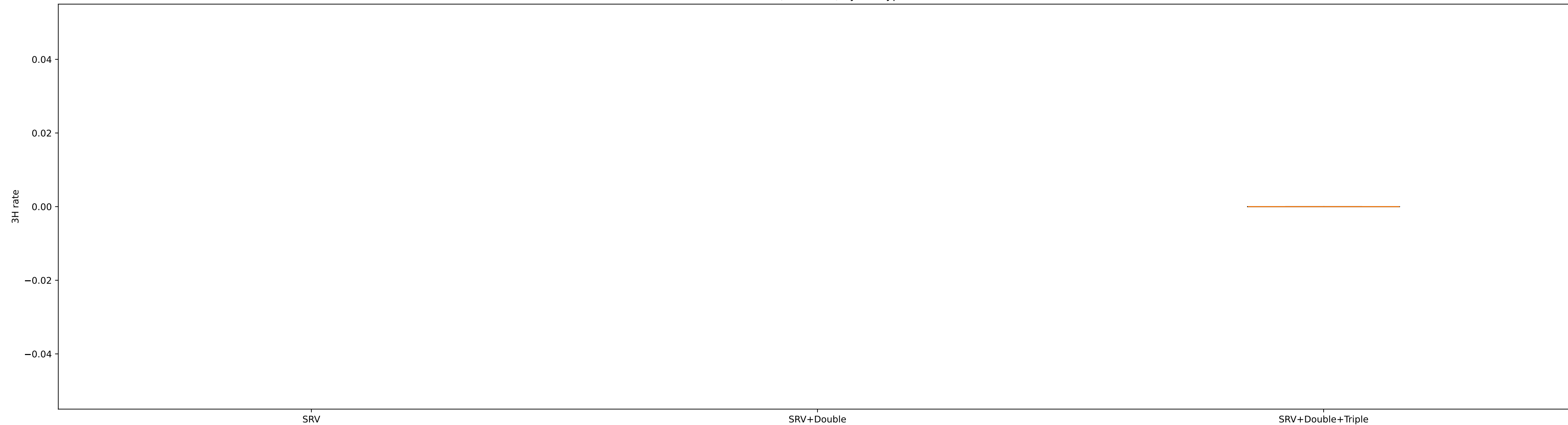


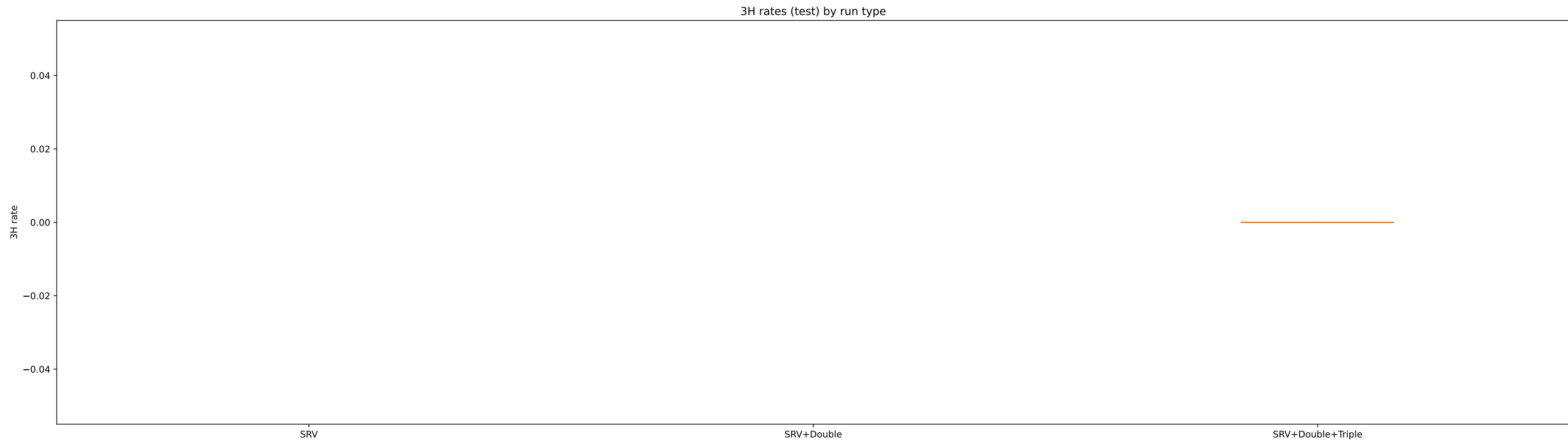
2H rates (reference) by run type





3H rates (reference) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.5071	1.49	0.201	0.1569	
	2	0.5077	1.49	0.201	0.1569	
	3	0.6177	1.26	0.201	0.1569	
	4	0.6109	1.26	0.201	0.1569	
	5	0.507	1.49	0.201	0.1569	
	6	0.5056	1.49	0.201	0.1569	
	7	0.582	1.33	0.201	0.1569	
	8	0.6056	1.27	0.201	0.1569	
	9	0.5078	1.5	0.201	0.1569	
	10	0.5568	1.47	0.201	0.1569	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.664	1.15	0.201	0.1569	
	2	0.6966	1.12	0.201	0.1569	
	3	0.6488	1.17	0.201	0.1569	
	4	1.0	1.09	0.201	0.1569	
	5	0.6733	1.15	0.201	0.1569	
	6	0.6455	1.14	0.201	0.1569	
	7	0.6562	1.15	0.201	0.1569	
	8	0.6571	1.15	0.201	0.1569	
	9	0.6646	1.13	0.201	0.1569	
	10	0.7269	1.14	0.201	0.1569	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.6527	1.18	0.2008	0.1569	
	2	0.6457	1.14	0.2008	0.1569	
	3	0.6145	1.18	0.201	0.1569	
	4	1.0	1.1	0.201	0.1569	
	5	0.6487	1.14	0.201	0.1569	
	6	0.6735	1.13	0.201	0.1569	
	7	0.6619	1.14	0.201	0.1569	
	8	0.6431	1.18	0.201	0.1569	
	9	0.6737	1.12	0.201	0.1569	
	10	0.6759	1.14	0.201	0.1569	

	test	ng selecti on	5.753	0.0	SRV+Double	
	test	Negative s election	0.145	0.0	SRV+Double	
	test	Negative s election	0.152	100.0	SRV+Double	
	test	Negative s election	0.171	0.0	SRV+Double	
	test	Negative s election	0.183	100.0	SRV+Double	
	reference	Negative s election	0.0	17.878	SRV+Double	
	reference	Negative s election	0.191	78.918	SRV+Double	
	reference	Neutral ev olution	1.0	3.204	SRV+Double	
	test	Negative s election	0.0	17.878	SRV+Double	
	test	Negative s election	0.191	78.918	SRV+Double	
	test	Neutral ev olution	1.0	3.204	SRV+Double	
	reference	Negative s election	0.0	28.975	SRV+Double	
	reference	Negative s election	0.227	67.866	SRV+Double	
	reference	Neutral ev olution	1.0	3.159	SRV+Double	
	test	Negative s election	0.0	28.975	SRV+Double	
	test	Negative s election	0.183	67.866	SRV+Double	
	test	Negative s election	0.0	28.975	SRV+Double	
	test	Negative s election	0.227	67.866	SRV+Double	
	test	Neutral ev olution	1.0	3.159	SRV+Double	
	test	Neutral ev olution	1.0	3.159	SRV+Double	
	reference	Negative s election	0.0	30.543	SRV+Double	
	reference	Negative s election	0.235	66.838	SRV+Double	
	reference	Neutral ev olution	1.0	2.619	SRV+Double	
	test	Negative s election	0.0	30.543	SRV+Double	
	test	Negative s election	0.235	66.838	SRV+Double	
	test	Neutral ev olution	1.0	2.619	SRV+Double	
	reference	Diversifyi ng selecti on	1.005	0.0	SRV+Double	
	reference	Negative s election	0.088	77.368	SRV+Double	
	reference	Negative s election Diversifyi ng selecti on	0.524	22.632	SRV+Double	
	test	Diversifyi ng selecti on	1.006	0.0	SRV+Double	
	test	Diversifyi ng selecti on	1.005	0.0	SRV+Double	
	test	Negative s election	0.062	77.368	SRV+Double	
	test	Negative s election	0.478	22.632	SRV+Double	
	test	Negative s election	0.088	77.368	SRV+Double	
	test	Negative s election Diversifyi ng selecti on	0.524	22.632	SRV+Double	
	reference	Diversifyi ng selecti on	1.948	0.0	SRV+Double	
	reference	Negative s election	0.085	76.315	SRV+Double	
	reference	Negative s election Diversifyi ng selecti on	0.505	23.685	SRV+Double	
	test	Diversifyi ng selecti on	1.948	0.0	SRV+Double	
	test	Negative s election	0.085	76.315	SRV+Double	
	test	Negative s election Diversifyi ng selecti on	0.505	23.685	SRV+Double	
	reference	Diversifyi ng selecti on	1.007	0.0	SRV+Double	
	reference	Negative s election	0.081	75.567	SRV+Double	
	reference	Negative s election Diversifyi ng selecti on	0.514	24.433	SRV+Double	
	test	Diversifyi ng selecti on	1.008	0.0	SRV+Double	
	test	Diversifyi ng selecti on	1.007	0.0	SRV+Double	
	test	Negative s election	0.056	75.567	SRV+Double	
	test	Negative s election	0.466	24.433	SRV+Double	
	test	Negative s election	12 0.081	75.567	SRV+Double	
	test	Negative s election	0.514	24.433	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.034	23.677	SRV	
	2	0.88	47.765	SRV	
	3	2.003	28.558	SRV	
	1	0.039	24.099	SRV	
	2	0.886	47.467	SRV	
	3	2.004	28.434	SRV	
	1	0.065	27.013	SRV	
	2	0.99	49.266	SRV	
	3	2.086	23.721	SRV	
	1	0.082	28.455	SRV	
	2	1.012	47.827	SRV	
	3	2.077	23.718	SRV	
	1	0.0	20.857	SRV	
	2	0.824	49.253	SRV	
	3	1.988	29.89	SRV	
	1	0.0	20.625	SRV	
	2	0.809	48.672	SRV	
	3	1.974	30.702	SRV	
	1	0.066	26.958	SRV	
	2	0.976	48.352	SRV	
	3	2.067	24.69	SRV	
	1	0.063	26.773	SRV	
	2	0.981	49.189	SRV	
	3	2.082	24.039	SRV	
	1	0.042	24.384	SRV	
	2	0.893	47.355	SRV	
	3	2.005	28.262	SRV	
	1	0.006	21.654	SRV	
	2	0.852	49.622	SRV	
	3	2.005	28.724	SRV	

	test	2H	0.0	SRV+Double	
	reference	2H	0.1372	SRV+Double+Triple	
	reference	2H	0.0976	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	0.1007	SRV+Double+Triple	
	reference	2H	0.0953	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	0.1266	SRV+Double+Triple	
	reference	2H	0.0961	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	0.0975	SRV+Double+Triple	
	reference	2H	0.093	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	0.1274	SRV+Double+Triple	
	reference	2H	0.1001	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	0.1017	SRV+Double+Triple	
	reference	2H	0.0959	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	0.1222	SRV+Double+Triple	
	reference	2H	0.0775	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	0.0755	SRV+Double+Triple	
	reference	2H	0.0757	SRV+Double+Triple	
	reference	2H	0.0754	SRV+Double+Triple	
	reference	2H	0.075	SRV+Double+Triple	
	reference	2H	0.0749	SRV+Double+Triple	
	reference	2H	0.0746	SRV+Double+Triple	
	reference	2H	0.0745	SRV+Double+Triple	
	reference	2H	0.0744	SRV+Double+Triple	
	reference	2H	0.0742	SRV+Double+Triple	
	reference	2H	0.0743	SRV+Double+Triple	
	reference	2H	0.0521	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	

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