

# RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

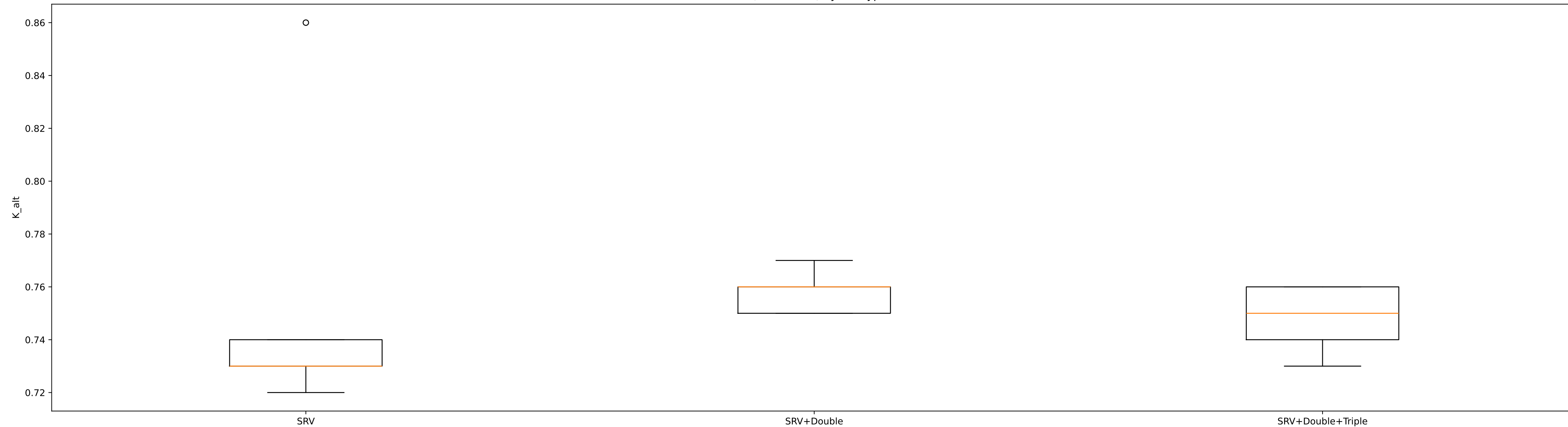
Includes:

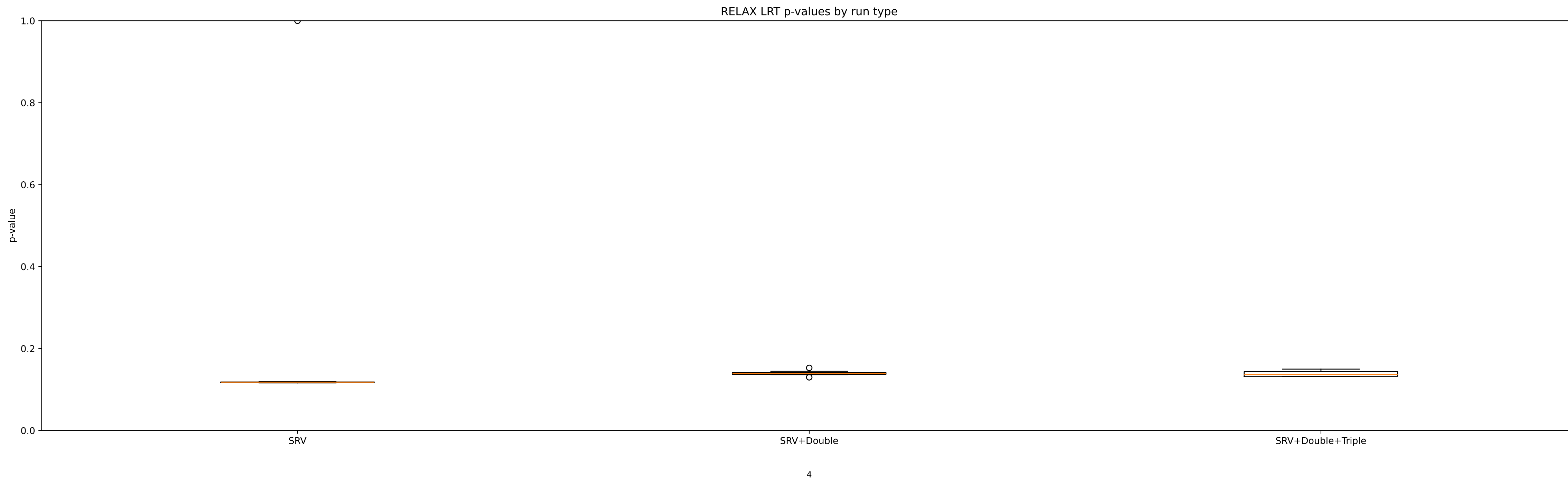
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

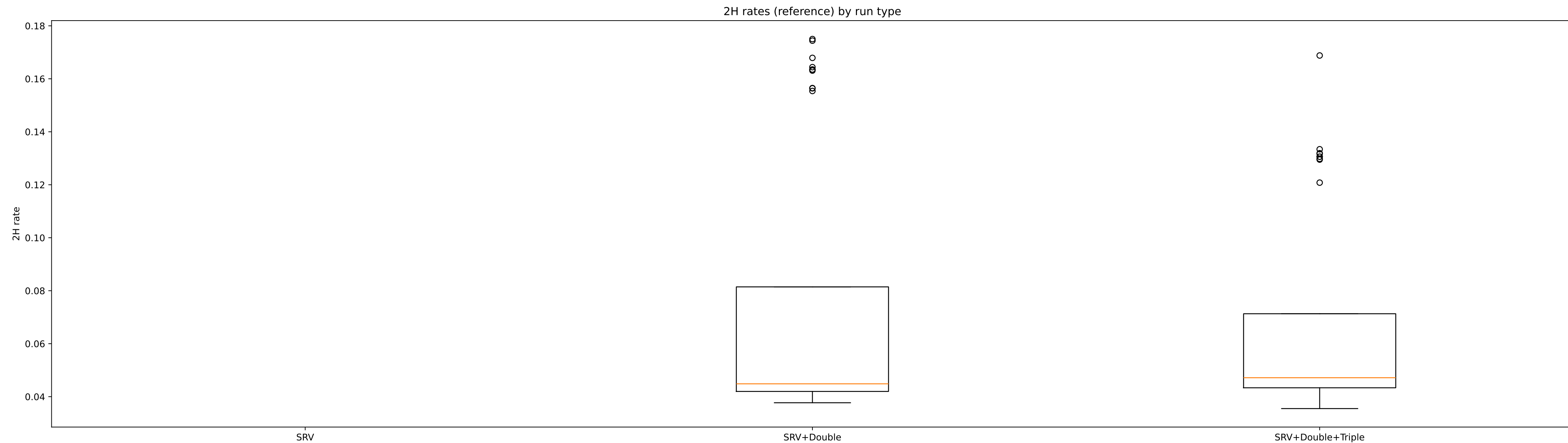
Run-type summary statistics

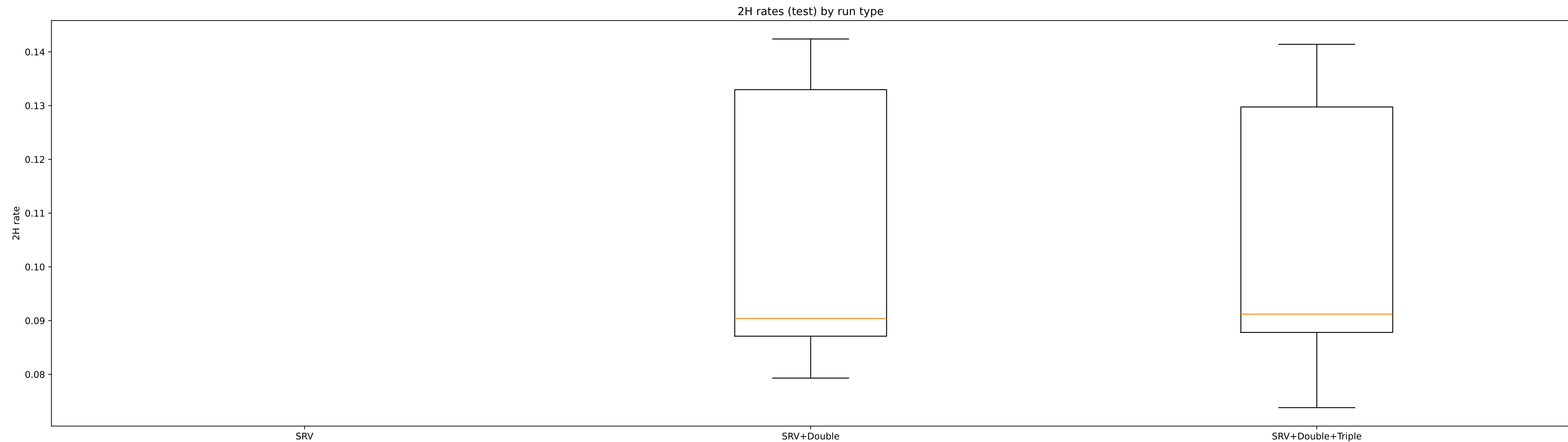
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.118	0.116	1.0	0.73	0.72	0.86	0.2322	0.3282	10	nan	nan
0.1388	0.1298	0.1528	0.76	0.75	0.77	0.2322	0.3282	10	0.0448	0.0904
0.1362	0.1317	0.1497	0.75	0.73	0.76	0.2322	0.3282	9	0.0472	0.0912

K (alternative) by run type





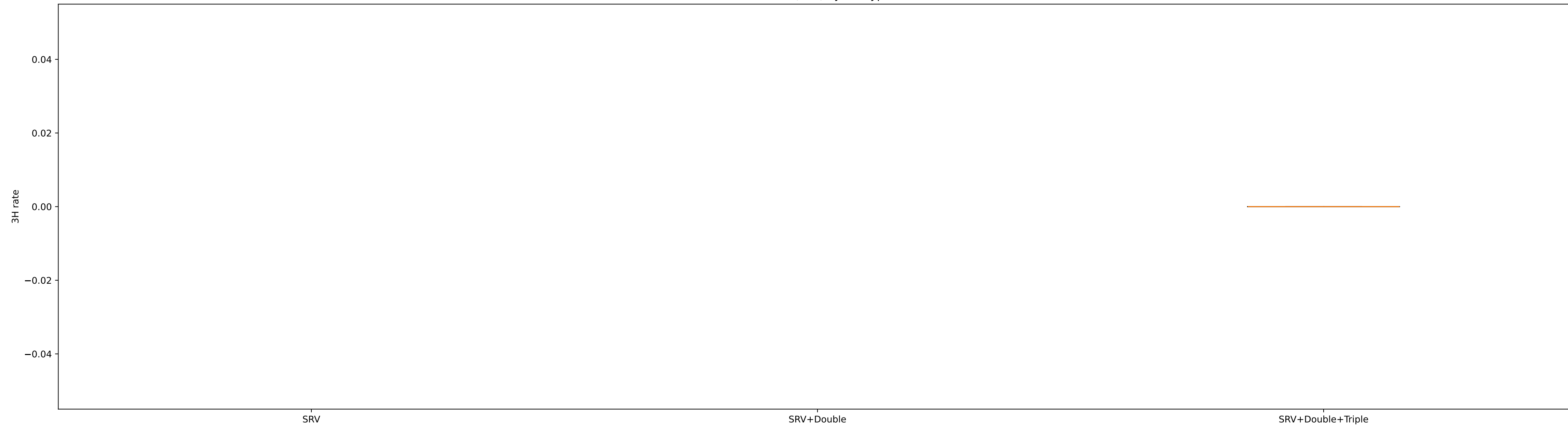




3H rates (reference) by run type



3H rates (test) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.116	0.72	0.2322	0.3279	
	2	0.1168	0.73	0.2322	0.3282	
	3	0.118	0.73	0.2322	0.3282	
	4	0.1179	0.73	0.2322	0.3282	
	5	0.1177	0.73	0.2322	0.3282	
	6	0.1193	0.74	0.2322	0.3282	
	7	0.1185	0.74	0.2322	0.3282	
	8	0.1181	0.74	0.2322	0.3282	
	9	0.116	0.73	0.2322	0.3282	
	10	1.0	0.86	0.2322	0.3282	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.1444	0.75	0.2323	0.3279	
	2	0.1528	0.75	0.2322	0.3282	
	3	0.1362	0.76	0.2322	0.3282	
	4	0.1394	0.76	0.2322	0.3283	
	5	0.1406	0.75	0.2323	0.3283	
	6	0.1414	0.76	0.2322	0.3282	
	7	0.1381	0.76	0.2322	0.3282	
	8	0.1382	0.76	0.2322	0.3282	
	9	0.1298	0.75	0.2322	0.3282	
	10	0.1368	0.77	0.2322	0.3282	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.1317	0.73	0.2322	0.3282	
	2	0.132	0.74	0.2322	0.3282	
	3	0.146	0.75	0.2322	0.3282	
	4	0.135	0.76	0.2322	0.3282	
	5	0.1362	0.76	0.2322	0.3282	
	6	0.1435	0.76	0.2322	0.3282	
	7	0.1497	0.75	0.2322	0.3282	
	8	0.1323	0.74	0.2322	0.3282	
	9	0.138	0.76	0.2322	0.3282	
	10	nan	nan	0.2322	0.3282	

		test	on Negative s election	0.189		92.556		SRV+Double	
		test	Negative s election	0.616		7.444		SRV+Double	
		reference	Diversifyi ng selecti on	1.012		0.0		SRV+Double	
		reference	Negative s election	0.155	Ω-class distributions (all) (cols 1-7/7)	81.366		SRV+Double	
		reference	Negative s election Diversifyi ng selecti on	0.483		18.634		SRV+Double	
		test	Diversifyi ng selecti on	1.009		0.0		SRV+Double	
		test	Diversifyi ng selecti on	1.012		0.0		SRV+Double	
		test	Negative s election	0.244		81.366		SRV+Double	
		test	Negative s election	0.576		18.634		SRV+Double	
		test	Negative s election	0.155		81.366		SRV+Double	
		test	Negative s election Diversifyi ng selecti on	0.483		18.634		SRV+Double	
		reference	Diversifyi ng selecti on	1.76		0.0		SRV+Double	
		reference	Negative s election	0.158		80.356		SRV+Double	
		reference	Negative s election Diversifyi ng selecti on	0.487		19.644		SRV+Double	
		test	Diversifyi ng selecti on	1.76		0.0		SRV+Double	
		test	Negative s election	0.158		80.356		SRV+Double	
		test	Negative s election Diversifyi ng selecti on	0.487		19.644		SRV+Double	
		reference	Diversifyi ng selecti on	1.006		0.0		SRV+Double	
		reference	Negative s election	0.086		46.72		SRV+Double	
		reference	Negative s election Diversifyi ng selecti on	0.33		53.28		SRV+Double	
		test	Diversifyi ng selecti on	1.004		0.0		SRV+Double	
		test	Diversifyi ng selecti on	1.006		0.0		SRV+Double	
		test	Negative s election	0.159		46.72		SRV+Double	
		test	Negative s election	0.436		53.28		SRV+Double	
		test	Negative s election	0.086		46.72		SRV+Double	
		test	Negative s election Diversifyi ng selecti on	0.33		53.28		SRV+Double	
		reference	Diversifyi ng selecti on	1.998		0.0		SRV+Double	
		reference	Negative s election	0.089		45.785		SRV+Double	
		reference	Negative s election Diversifyi ng selecti on	0.335		54.215		SRV+Double	
		test	Diversifyi ng selecti on	1.998		0.0		SRV+Double	
		test	Negative s election	0.089		45.785		SRV+Double	
		test	Negative s election Diversifyi ng selecti on	0.335		54.215		SRV+Double	
		reference	Diversifyi ng selecti on	1.008		0.0		SRV+Double	
		reference	Negative s election	0.139		73.02		SRV+Double	
		reference	Negative s election Diversifyi ng selecti on	0.429		26.98		SRV+Double	
		test	Diversifyi ng selecti on	1.006		0.0		SRV+Double	
		test	Diversifyi ng selecti on	1.008		0.0		SRV+Double	
		test	Negative s election	0.225		73.02		SRV+Double	
		test	Negative s election	0.528		26.98		SRV+Double	
		test	Negative s election	0.139		73.02		SRV+Double	
		test	Negative s election Diversifyi ng selecti on	0.429		26.98		SRV+Double	
		reference	Diversifyi ng selecti on	2.1		0.0		SRV+Double	
		reference	Negative s election	0.142		71.977		SRV+Double	
		reference	Negative s election Diversifyi ng selecti on	0.431		28.023		SRV+Double	
		test	Diversifyi ng selecti on	2.1		0.0		SRV+Double	
		test	Negative s election	0.142		71.977		SRV+Double	
		test	Negative s election Diversifyi ng selecti on	0.431		28.023		SRV+Double	
		reference	Diversifyi ng selecti on	3.127		0.0		SRV+Double	
		reference	Negative s election	0.167		86.176		SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.692	83.628	SRV	
	2	2.226	14.664	SRV	
	3	5.54	1.708	SRV	
	1	0.693	83.798	SRV	
	2	2.246	14.584	SRV	
	3	5.665	1.618	SRV	
	1	0.693	83.645	SRV	
	2	2.216	14.567	SRV	
	3	5.467	1.788	SRV	
	1	0.694	83.919	SRV	
	2	2.245	14.391	SRV	
	3	5.571	1.69	SRV	
	1	0.693	83.768	SRV	
	2	2.229	14.494	SRV	
	3	5.528	1.738	SRV	
	1	0.693	83.749	SRV	
	2	2.228	14.519	SRV	
	3	5.533	1.732	SRV	
	1	0.696	84.121	SRV	
	2	2.261	14.197	SRV	
	3	5.576	1.682	SRV	
	1	0.694	83.786	SRV	
	2	2.221	14.398	SRV	
	3	5.44	1.817	SRV	
	1	0.693	83.786	SRV	
	2	2.25	14.631	SRV	
	3	5.705	1.583	SRV	
	1	0.579	42.634	SRV	
	2	0.933	48.419	SRV	
	3	3.366	8.948	SRV	

	reference	2H	0.0416	SRV+Double	
	test	2H	0.1286	SRV+Double	
	test	2H	0.0874	SRV+Double	
	reference	2H	0.175	SRV+Double	
	reference	2H	0.0545	SRV+Double	
	test	2H	0.0914	SRV+Double	
	reference	2H	0.0451	SRV+Double	
	reference	2H	0.0419	SRV+Double	
	test	2H	0.1382	SRV+Double	
	test	2H	0.0897	SRV+Double	
	reference	2H	0.1319	SRV+Double+Triple	
	reference	2H	0.0437	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0738	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0372	SRV+Double+Triple	
	reference	2H	0.0422	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1293	SRV+Double+Triple	
	test	2H	0.0894	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1298	SRV+Double+Triple	
	reference	2H	0.047	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0759	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0389	SRV+Double+Triple	
	reference	2H	0.0441	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1302	SRV+Double+Triple	
	test	2H	0.0896	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1317	SRV+Double+Triple	
	reference	2H	0.0498	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0836	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0405	SRV+Double+Triple	
	reference	2H	0.0451	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1365	SRV+Double+Triple	
	test	2H	0.0982	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1306	SRV+Double+Triple	
	reference	2H	0.049	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0879	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.044	SRV+Double+Triple	