

# RELAX Combined Report

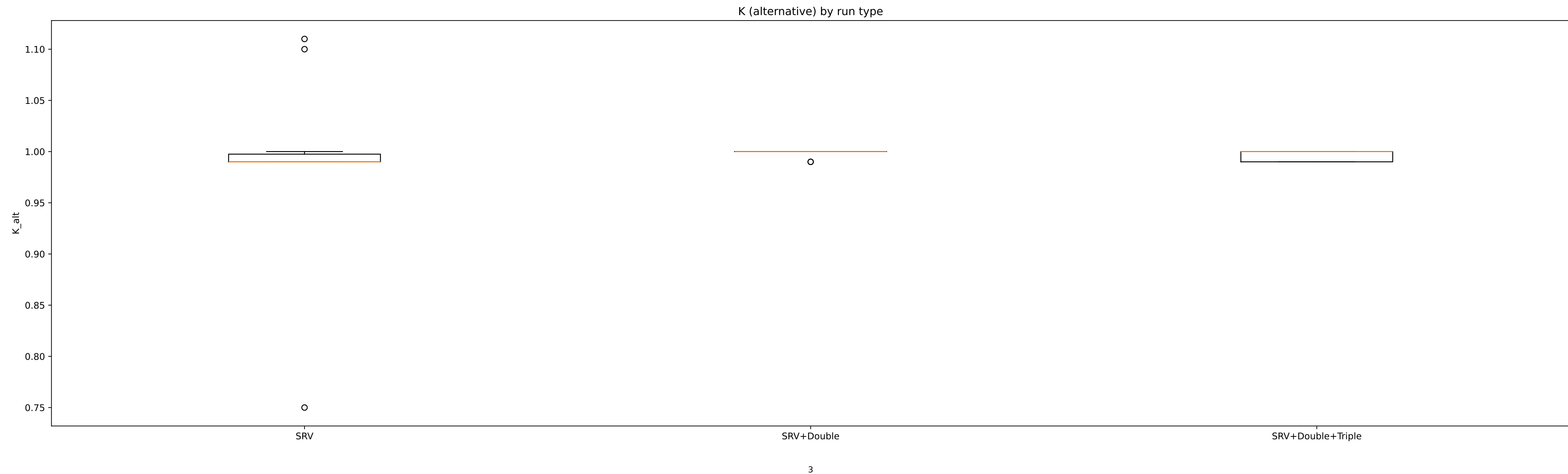
SRV vs SRV+Double vs SRV+Double+Triple

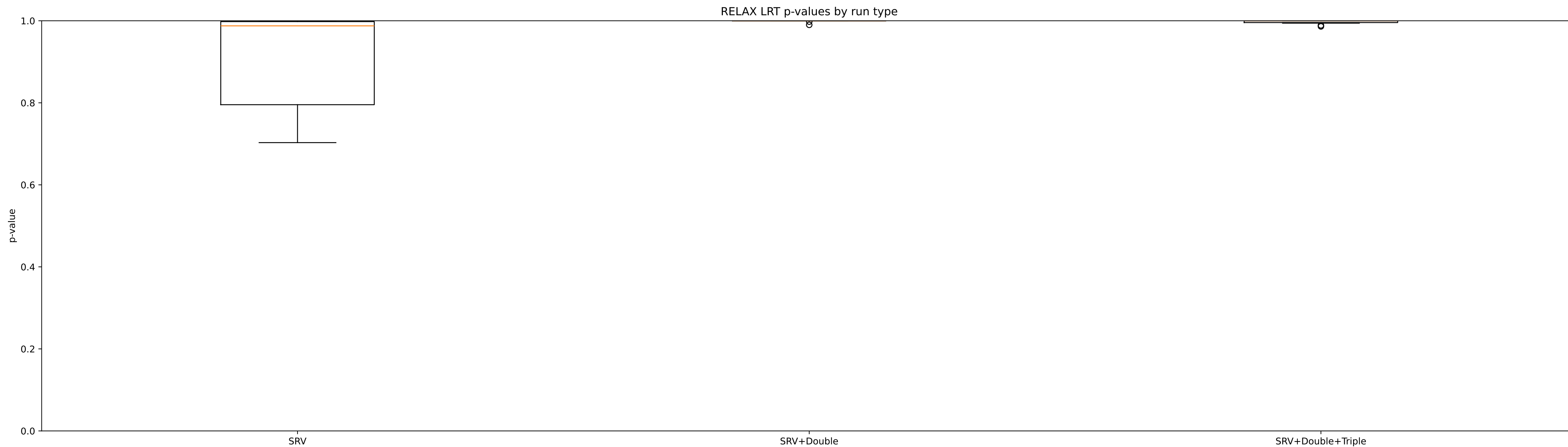
Includes:

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

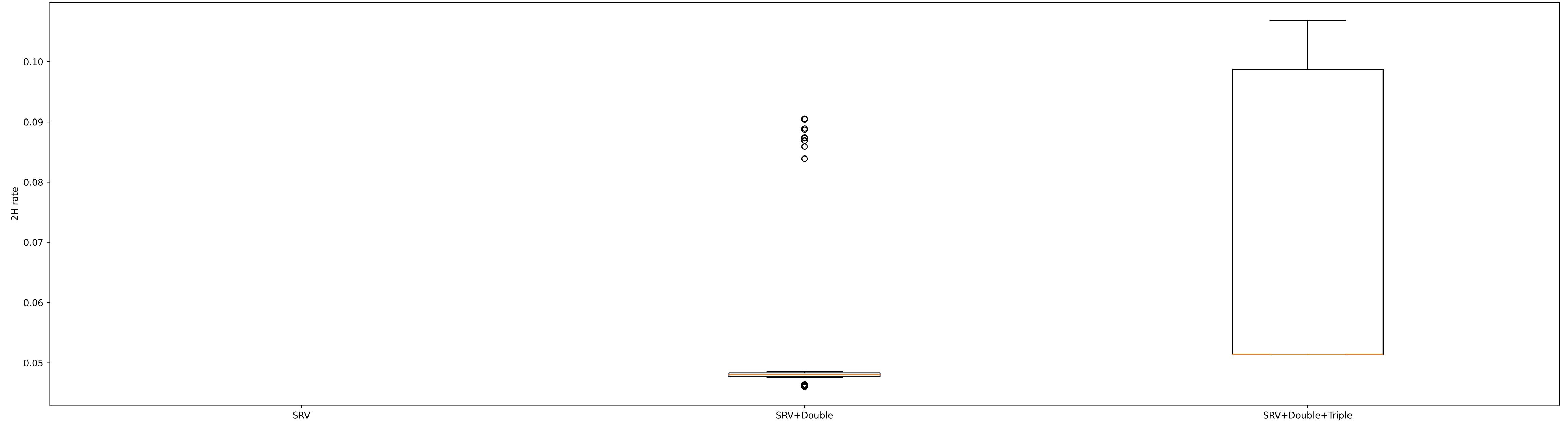
Run-type summary statistics

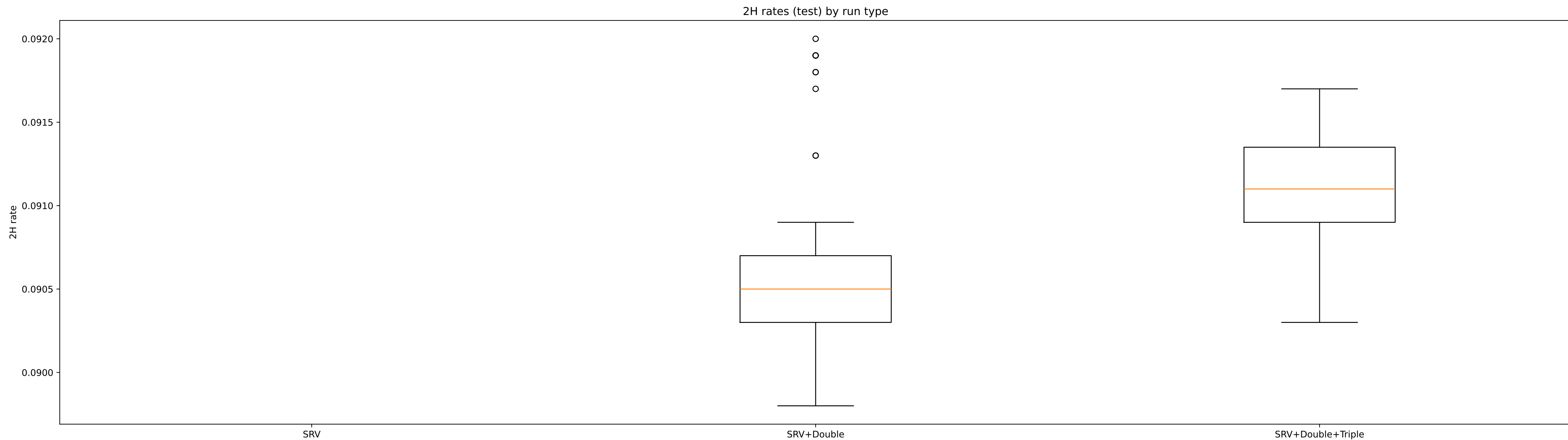
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.9876	0.7029	1.0	0.99	0.75	1.11	0.2376	0.2225	10	nan	nan
1.0	0.9901	1.0	1.0	0.99	1.0	0.2376	0.2228	10	0.048	0.0905
1.0	0.9863	1.0	1.0	0.99	1.0	0.2376	0.2225	10	0.0514	0.0911



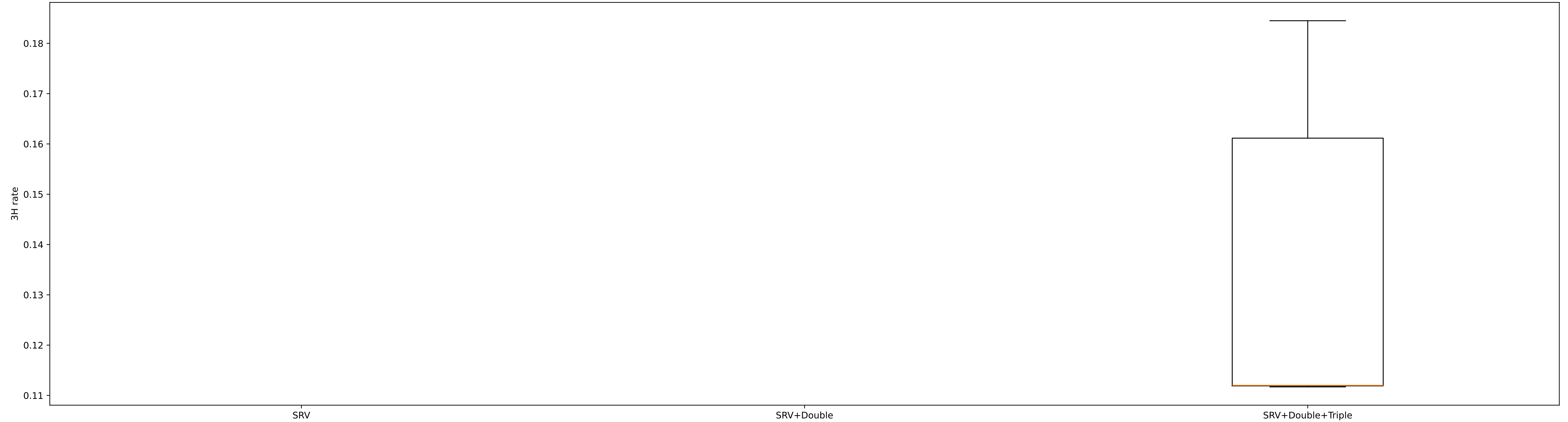


2H rates (reference) by run type





3H rates (reference) by run type



3H rates (test) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.9831	0.99	0.2376	0.2225	
	2	0.7029	0.75	0.2375	0.2232	
	3	0.7328	1.1	0.2376	0.2225	
	4	0.9918	0.99	0.2376	0.2225	
	5	0.9908	0.99	0.2376	0.2225	
	6	0.7231	1.11	0.2376	0.2225	
	7	1.0	0.99	0.2376	0.2225	
	8	1.0	1.0	0.2378	0.223	
	9	1.0	0.99	0.2376	0.2225	
	10	0.9844	0.99	0.2376	0.2225	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.9901	0.99	0.2376	0.2225	
	2	1.0	1.0	0.2375	0.2232	
	3	1.0	1.0	0.2378	0.223	
	4	0.998	0.99	0.2376	0.2225	
	5	1.0	1.0	0.2377	0.223	
	6	1.0	1.0	0.2375	0.2225	
	7	1.0	1.0	0.2377	0.223	
	8	1.0	1.0	0.2377	0.223	
	9	1.0	1.0	0.2376	0.2224	
	10	1.0	1.0	0.2376	0.2225	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.9863	0.99	0.2376	0.2225	
	2	1.0	0.99	0.2378	0.2232	
	3	0.9942	1.0	0.2377	0.223	
	4	0.9889	0.99	0.2378	0.223	
	5	1.0	0.99	0.2376	0.2225	
	6	1.0	1.0	0.2378	0.223	
	7	1.0	1.0	0.2376	0.2225	
	8	1.0	1.0	0.2376	0.2225	
	9	1.0	1.0	0.2376	0.2225	
	10	1.0	1.0	0.2376	0.2225	

	test	Negative s election	0.213	97.165	SRV+Double	
	test	Negative s election	0.238	2.635	SRV+Double	
	test	Negative s election	0.211	97.165	SRV+Double	
	test	Negative s election	0.236	2.635	SRV+Double	
	reference	Diversifyi ng selecti on	Ω-class distributions (all) (cols 1-7/7)		0.2	SRV+Double
	reference	Negative s election			97.163	SRV+Double
	reference	Negative s election	0.233	2.637	SRV+Double	
	test	Diversifyi ng selecti on	5.818	0.2	SRV+Double	
	test	Negative s election	0.211	97.163	SRV+Double	
	test	Negative s election	0.233	2.637	SRV+Double	
	reference	Diversifyi ng selecti on	5.869	0.196	SRV+Double	
	reference	Negative s election	0.191	36.816	SRV+Double	
	reference	Negative s election	0.225	62.988	SRV+Double	
	test	Diversifyi ng selecti on	5.845	0.196	SRV+Double	
	test	Diversifyi ng selecti on	5.869	0.196	SRV+Double	
	test	Negative s election	0.192	36.816	SRV+Double	
	test	Negative s election	0.226	62.988	SRV+Double	
	test	Negative s election	0.191	36.816	SRV+Double	
	test	Negative s election	0.225	62.988	SRV+Double	
	reference	Diversifyi ng selecti on	5.869	0.196	SRV+Double	
	reference	Negative s election	0.193	37.305	SRV+Double	
	reference	Negative s election	0.224	62.499	SRV+Double	
	test	Diversifyi ng selecti on	5.869	0.196	SRV+Double	
	test	Negative s election	0.193	37.305	SRV+Double	
	test	Negative s election	0.224	62.499	SRV+Double	
	reference	Diversifyi ng selecti on	5.853	0.195	SRV+Double	
	reference	Negative s election	0.182	30.161	SRV+Double	
	reference	Negative s election	0.226	69.643	SRV+Double	
	test	Diversifyi ng selecti on	5.828	0.195	SRV+Double	
	test	Diversifyi ng selecti on	5.853	0.195	SRV+Double	
	test	Negative s election	0.182	30.161	SRV+Double	
	test	Negative s election	0.227	69.643	SRV+Double	
	test	Negative s election	0.182	30.161	SRV+Double	
	test	Negative s election	0.226	69.643	SRV+Double	
	reference	Diversifyi ng selecti on	5.872	0.194	SRV+Double	
	reference	Negative s election	0.184	30.42	SRV+Double	
	reference	Negative s election	0.225	69.385	SRV+Double	
	test	Diversifyi ng selecti on	5.872	0.194	SRV+Double	
	test	Negative s election	0.184	30.42	SRV+Double	
	test	Negative s election	0.225	69.385	SRV+Double	
	reference	Diversifyi ng selecti on	5.892	0.194	SRV+Double	
	reference	Negative s election	0.195	45.867	SRV+Double	
	reference	Negative s election	0.227	53.938	SRV+Double	
	test	Diversifyi ng selecti on	5.854	0.194	SRV+Double	
	test	Diversifyi ng selecti on	5.892	0.194	SRV+Double	
	test	Negative s election	0.197	45.867	SRV+Double	
	test	Negative s election	0.228	53.938	SRV+Double	
	test	Negative s election	0.195	45.867	SRV+Double	
	test	Negative s election	0.227	53.938	SRV+Double	
	reference	Diversifyi ng selecti on	5.869	0.198	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.12	8.41	SRV	
	2	0.864	82.527	SRV	
	3	3.059	9.063	SRV	
	1	0.117	8.3	SRV	
	2	0.863	82.601	SRV	
	3	3.054	9.099	SRV	
	1	0.162	10.136	SRV	
	2	0.876	80.725	SRV	
	3	3.029	9.139	SRV	
	1	0.122	8.512	SRV	
	2	0.864	82.438	SRV	
	3	3.062	9.049	SRV	
	1	0.121	8.472	SRV	
	2	0.864	82.48	SRV	
	3	3.063	9.048	SRV	
	1	0.159	9.977	SRV	
	2	0.874	80.831	SRV	
	3	3.023	9.192	SRV	
	1	0.11	8.044	SRV	
	2	0.86	82.82	SRV	
	3	3.049	9.136	SRV	
	1	0.117	8.298	SRV	
	2	0.863	82.609	SRV	
	3	3.054	9.093	SRV	
	1	0.122	8.496	SRV	
	2	0.864	82.454	SRV	
	3	3.062	9.05	SRV	
	1	0.124	8.588	SRV	
	2	0.865	82.382	SRV	
	3	3.065	9.029	SRV	

	reference	2H	0.0477	SRV+Double	
	test	2H	0.0906	SRV+Double	
	reference	2H	0.0478	SRV+Double	
	reference	2H	0.0479	SRV+Double	
	reference	2H	0.048	SRV+Double	
	reference	2H	0.0462	SRV+Double	
	test	2H	0.0906	SRV+Double	
	test	2H	0.0905	SRV+Double	
	test	2H	0.0913	SRV+Double	
	reference	2H	0.0974	SRV+Double+Triple	
	reference	2H	0.0515	SRV+Double+Triple	
	reference	3H	0.1516	SRV+Double+Triple	
	reference	3H	0.1119	SRV+Double+Triple	
	test	2H	0.0908	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0515	SRV+Double+Triple	
	reference	3H	0.1119	SRV+Double+Triple	
	test	2H	0.0915	SRV+Double+Triple	
	test	2H	0.0909	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1068	SRV+Double+Triple	
	reference	2H	0.0514	SRV+Double+Triple	
	reference	3H	0.1766	SRV+Double+Triple	
	reference	3H	0.112	SRV+Double+Triple	
	test	2H	0.0916	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0514	SRV+Double+Triple	
	reference	3H	0.112	SRV+Double+Triple	
	test	2H	0.0916	SRV+Double+Triple	
	test	2H	0.0908	SRV+Double+Triple	
	test	2H	0.0913	SRV+Double+Triple	
	test	2H	0.091	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1066	SRV+Double+Triple	
	reference	2H	0.0514	SRV+Double+Triple	
	reference	3H	0.1833	SRV+Double+Triple	
	reference	3H	0.112	SRV+Double+Triple	
	test	2H	0.091	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0514	SRV+Double+Triple	
	reference	3H	0.112	SRV+Double+Triple	
	test	2H	0.0913	SRV+Double+Triple	
	test	2H	0.0911	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1046	SRV+Double+Triple	
	reference	2H	0.0514	SRV+Double+Triple	
	reference	3H	0.1766	SRV+Double+Triple	
	reference	3H	0.112	SRV+Double+Triple	
	test	2H	0.0903	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	