

# RELAX Combined Report

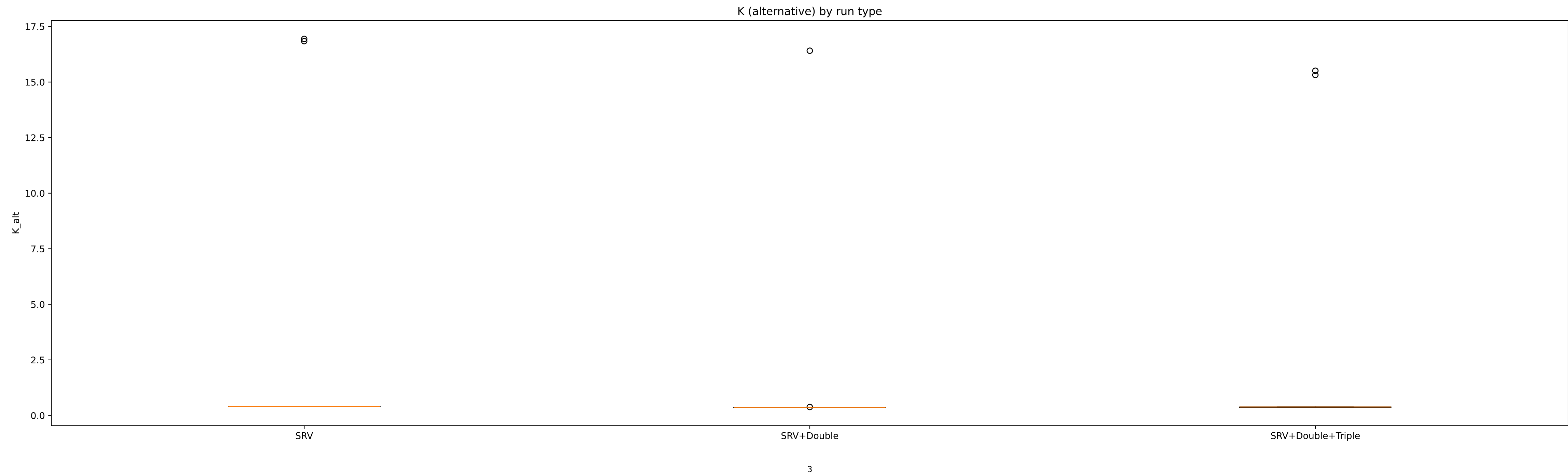
SRV vs SRV+Double vs SRV+Double+Triple

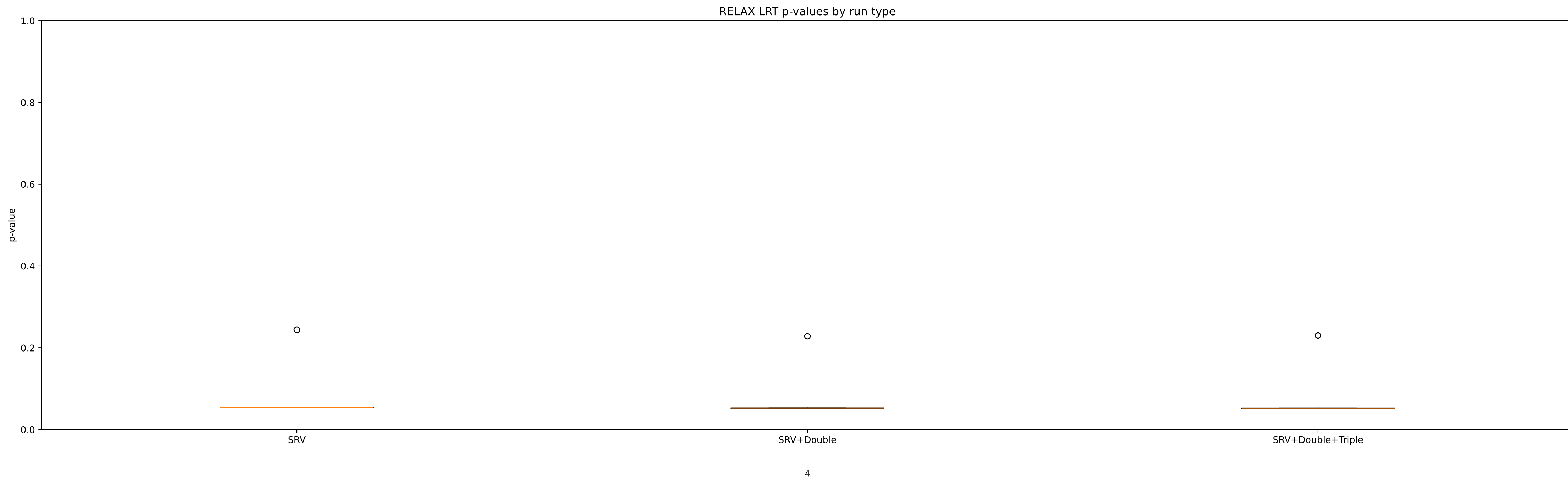
Includes:

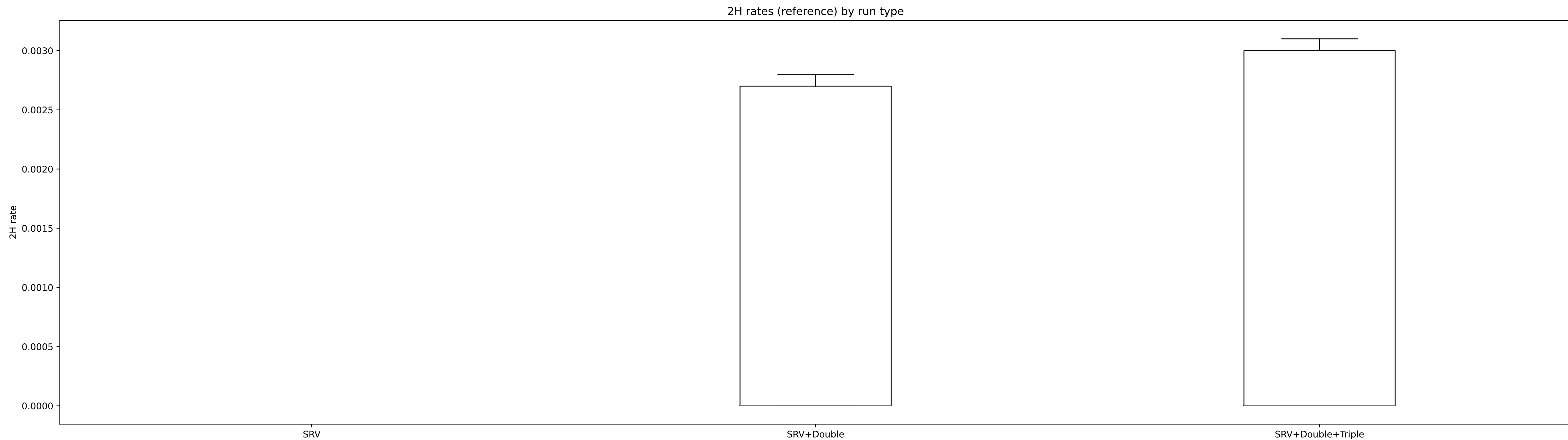
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

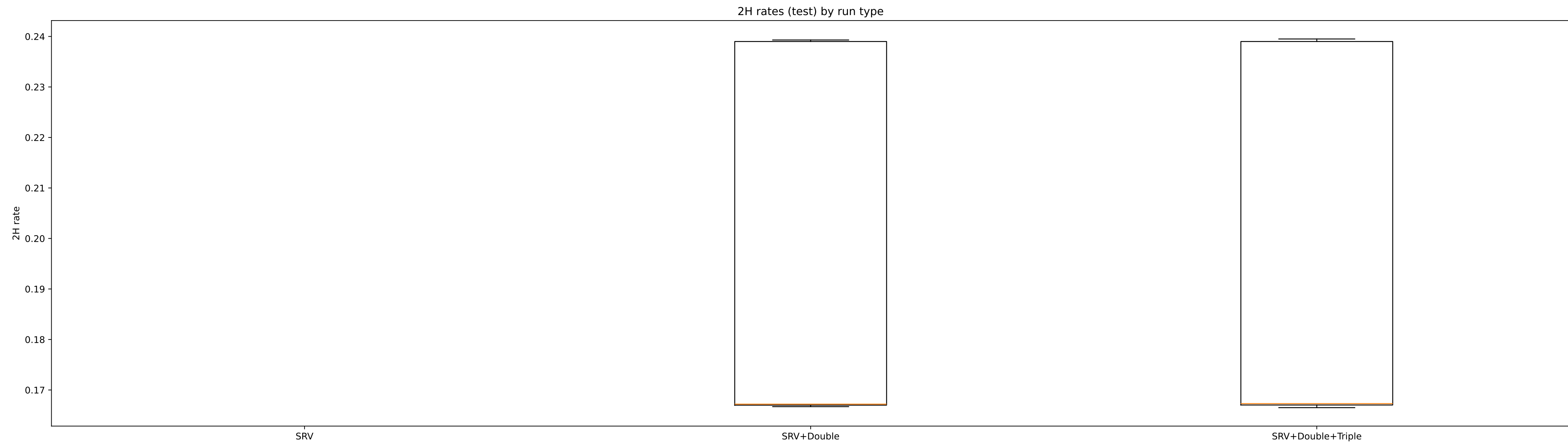
Run-type summary statistics

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
0.0545	0.0544	0.244	0.4	0.4	16.94	0.2112	0.5355	10	nan	nan
0.0526	0.0524	0.2281	0.37	0.37	16.41	0.2112	0.5355	10	0.0	0.1672
0.0524	0.0524	0.2303	0.38	0.37	15.51	0.2112	0.5355	10	0.0	0.1673









3H rates (reference) by run type



3H rates (test) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0544	0.4	0.2112	0.5355	
	2	0.0546	16.84	0.2112	0.5355	
	3	0.0545	0.4	0.2112	0.5355	
	4	0.0545	0.4	0.2112	0.5355	
	5	0.244	16.94	0.2112	0.5355	
	6	0.0545	0.4	0.2112	0.5355	
	7	0.0545	0.4	0.2112	0.5355	
	8	0.0544	0.4	0.2112	0.5355	
	9	0.0544	0.4	0.2112	0.5355	
	10	0.0545	0.4	0.2112	0.5355	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2281	16.41	0.2112	0.5355	
	2	0.0525	0.37	0.2112	0.5355	
	3	0.0527	0.37	0.2112	0.5355	
	4	0.0526	0.37	0.2112	0.5355	
	5	0.0525	0.37	0.2112	0.5355	
	6	0.0525	0.37	0.2112	0.5355	
	7	0.0524	0.37	0.2112	0.5355	
	8	0.0524	0.38	0.2112	0.5355	
	9	0.0526	0.37	0.2112	0.5355	
	10	0.0526	0.37	0.2112	0.5355	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0524	0.38	0.2112	0.5355	
	2	0.0524	0.37	0.2112	0.5355	
	3	0.0524	0.38	0.2112	0.5355	
	4	0.2299	15.51	0.2112	0.5355	
	5	0.2303	15.32	0.2112	0.5355	
	6	0.0524	0.38	0.2112	0.5355	
	7	0.0524	0.37	0.2112	0.5355	
	8	0.0525	0.37	0.2112	0.5355	
	9	0.0524	0.38	0.2112	0.5355	
	10	0.0524	0.38	0.2112	0.5355	

	test	Negative s election	0.515	27.883	SRV+Double	
	test	Negative s election	0.571	72.117	SRV+Double	
	test	Negative s election	0.17	27.883	SRV+Double	
	test	Negative s election	0.223	72.117	SRV+Double	
	reference	Diversifyi ng selecti on	Ω-class distributions (all) (cols 1-7/7)		0.0	SRV+Double
	reference	Negative s election	0.21	18.306	SRV+Double	
	reference	Negative s election	0.236	81.694	SRV+Double	
	test	Diversifyi ng selecti on	1.08	0.0	SRV+Double	
	test	Negative s election	0.21	18.306	SRV+Double	
	test	Negative s election	0.236	81.694	SRV+Double	
	reference	Diversifyi ng selecti on	1.03	0.0	SRV+Double	
	reference	Negative s election	0.177	20.546	SRV+Double	
	reference	Negative s election	0.217	79.454	SRV+Double	
	test	Diversifyi ng selecti on	1.011	0.0	SRV+Double	
	test	Diversifyi ng selecti on	1.03	0.0	SRV+Double	
	test	Negative s election	0.524	20.546	SRV+Double	
	test	Negative s election	0.564	79.454	SRV+Double	
	test	Negative s election	0.177	20.546	SRV+Double	
	test	Negative s election	0.217	79.454	SRV+Double	
	reference	Diversifyi ng selecti on	1.191	0.0	SRV+Double	
	reference	Negative s election	0.165	0.0	SRV+Double	
	reference	Negative s election	0.231	100.0	SRV+Double	
	test	Diversifyi ng selecti on	1.191	0.0	SRV+Double	
	test	Negative s election	0.165	0.0	SRV+Double	
	test	Negative s election	0.231	100.0	SRV+Double	
	reference	Diversifyi ng selecti on	1.814	0.0	SRV+Double	
	reference	Negative s election	0.174	23.812	SRV+Double	
	reference	Negative s election	0.219	76.188	SRV+Double	
	test	Diversifyi ng selecti on	1.249	0.0	SRV+Double	
	test	Diversifyi ng selecti on	1.814	0.0	SRV+Double	
	test	Negative s election	0.521	23.812	SRV+Double	
	test	Negative s election	0.568	76.188	SRV+Double	
	test	Negative s election	0.174	23.812	SRV+Double	
	test	Negative s election	0.219	76.188	SRV+Double	
	reference	Diversifyi ng selecti on	1.442	0.0	SRV+Double	
	reference	Negative s election	0.22	15.322	SRV+Double	
	reference	Negative s election	0.233	84.678	SRV+Double	
	test	Diversifyi ng selecti on	1.442	0.0	SRV+Double	
	test	Negative s election	0.22	15.322	SRV+Double	
	test	Negative s election	0.233	84.678	SRV+Double	
	reference	Diversifyi ng selecti on	3.611	0.0	SRV+Double	
	reference	Negative s election	0.11	0.0	SRV+Double	
	reference	Negative s election	0.208	100.0	SRV+Double	
	test	Diversifyi ng selecti on	1.618	0.0	SRV+Double	
	test	Diversifyi ng selecti on	3.611	0.0	SRV+Double	
	test	Negative s election	0.437	0.0	SRV+Double	
	test	Negative s election	0.556	100.0	SRV+Double	
	test	Negative s election	0.11	0.0	SRV+Double	
	test	Negative s election	1.208	100.0	SRV+Double	
	reference	Diversifyi ng selecti on	2.542	0.0	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	50.406	SRV	
	2	2.016	20.348	SRV	
	3	2.016	29.246	SRV	
	1	0.0	49.329	SRV	
	2	0.0	1.079	SRV	
	3	2.016	49.592	SRV	
	1	0.0	15.79	SRV	
	2	0.0	34.614	SRV	
	3	2.016	49.596	SRV	
	1	0.0	14.194	SRV	
	2	0.0	36.21	SRV	
	3	2.016	49.596	SRV	
	1	0.0	13.197	SRV	
	2	0.0	37.202	SRV	
	3	2.016	49.6	SRV	
	1	0.0	16.811	SRV	
	2	0.0	33.593	SRV	
	3	2.016	49.596	SRV	
	1	0.0	12.174	SRV	
	2	0.0	38.229	SRV	
	3	2.016	49.597	SRV	
	1	0.0	14.661	SRV	
	2	0.0	35.741	SRV	
	3	2.016	49.598	SRV	
	1	0.0	12.358	SRV	
	2	0.0	38.044	SRV	
	3	2.016	49.598	SRV	
	1	0.0	15.481	SRV	
	2	0.0	34.923	SRV	
	3	2.016	49.597	SRV	

	reference	2H	0.0	SRV+Double	
	test	2H	0.1671	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.2391	SRV+Double	
	test	2H	0.1668	SRV+Double	
	reference	2H	0.0031	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1669	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.2391	SRV+Double+Triple	
	test	2H	0.1672	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.003	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.167	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.239	SRV+Double+Triple	
	test	2H	0.1675	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.003	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1669	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.239	SRV+Double+Triple	
	test	2H	0.1673	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0031	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1732	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.2385	SRV+Double+Triple	
	test	2H	0.1672	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.003	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.173	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	