

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

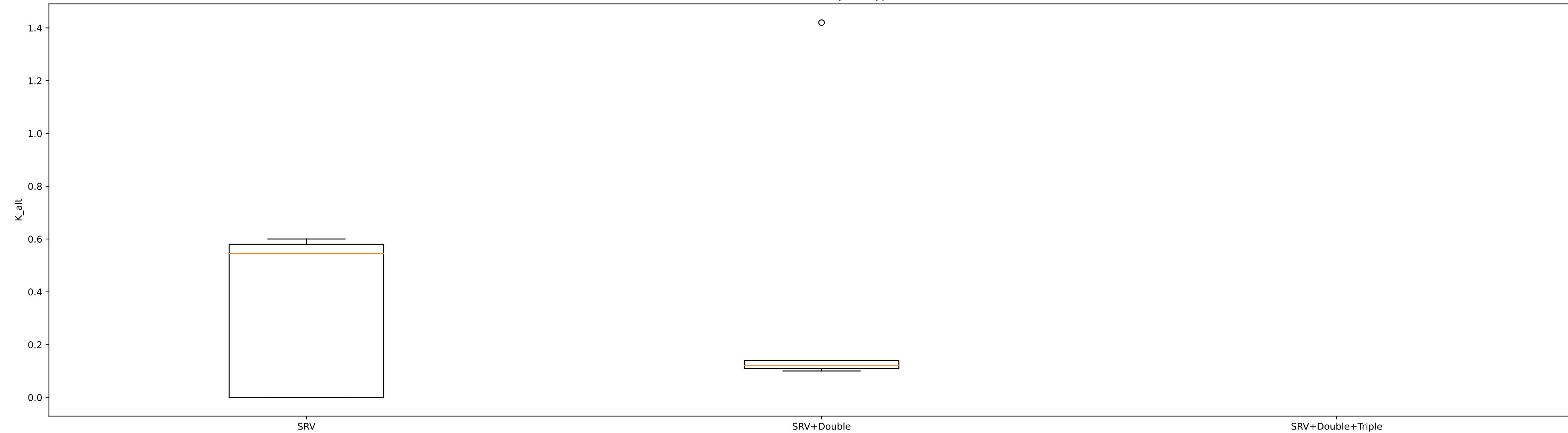
Includes:

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

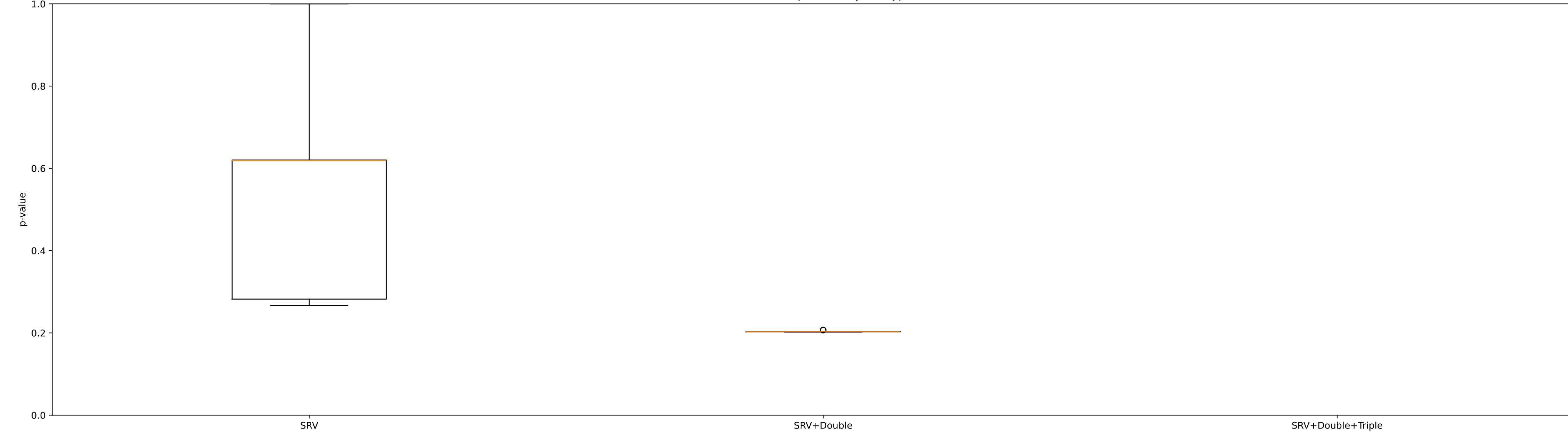
Run-type summary statistics

p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_medi an	omega_test_medi an	warnings_count	2H_reference_m edian	2H_test_median
0.619	0.2667	1.0	0.545	0.0	0.6	0.3972	0.2703	10	nan	nan
0.203	0.202	0.2071	0.12	0.1	1.42	0.3972	0.2703	10	0.2538	0.781
nan	nan	nan	nan	nan	nan	nan	nan	0	nan	nan

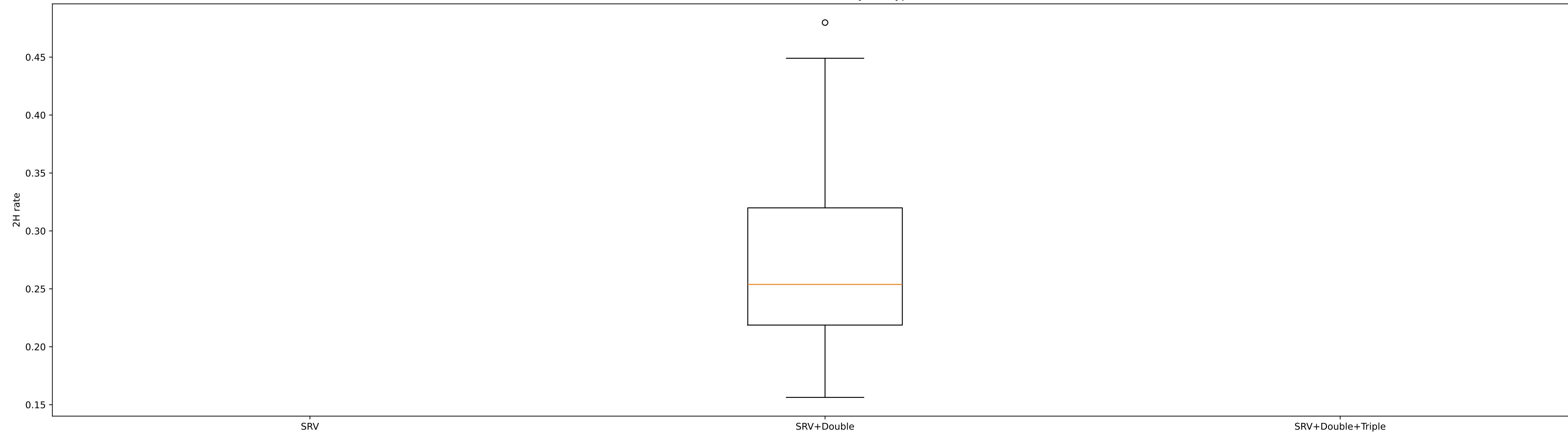
K (alternative) by run type



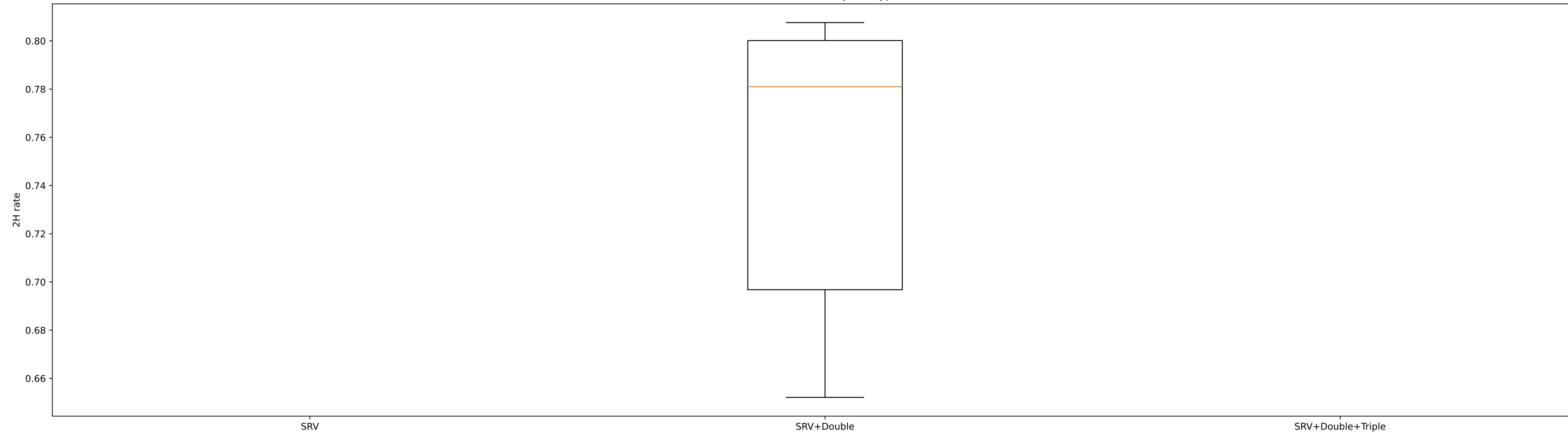
RELAX LRT p-values by run type



2H rates (reference) by run type



2H rates (test) by run type



No 3H rates available

Replicate-level summary — SRV (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.2852	0.6	0.3972	0.2703
	2	0.2667	0.58	0.3972	0.2703
	3	0.8973	0.54	0.3972	0.2703
	4	0.6191	0.0	0.3972	0.2703
	5	0.6196	0.0	0.3972	0.2703
	6	0.6188	0.0	0.3972	0.2703
	7	0.2678	0.58	0.3972	0.2703
	8	0.6205	0.0	0.3972	0.2703
	9	1.0	0.55	0.3972	0.2703
	10	0.2811	0.6	0.3972	0.2703

Replicate-level summary — SRV+Double (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.2027	0.14	0.3972	0.2703
	2	0.2032	0.14	0.3972	0.2703
	3	0.2023	0.11	0.3972	0.2703
	4	0.2027	1.42	0.3972	0.2703
	5	0.2071	0.11	0.3972	0.2703
	6	0.2033	0.13	0.3972	0.2703
	7	0.203	0.14	0.3972	0.2703
	8	0.2029	0.11	0.3972	0.2703
	9	0.2068	0.11	0.3972	0.2703
	10	0.202	0.1	0.3972	0.2703

Replicate-level summary — SRV+Double+Triple (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	nan	nan	nan	nan
	2	nan	nan	nan	nan
	3	nan	nan	nan	nan
	4	nan	nan	nan	nan
	5	nan	nan	nan	nan
	6	nan	nan	nan	nan
	7	nan	nan	nan	nan
	8	nan	nan	nan	nan
	9	nan	nan	nan	nan
	10	nan	nan	nan	nan

	test	ng selecti on	7.355	4.196	SRV
	test	Negative s election	0.055	81.771	SRV
	test	Negative s election	0.005	81.771	SRV
	test	Neutral ev olution	1.0	14.032	SRV
	test	Neutral ev olution	14.032		SRV
	Ω -class distributions (all) (cols 1-7/7)				
	reference	Negative s election	0.0	68.949	SRV
	reference	Neutral ev olution	1.0	30.997	SRV
	test	Negative s election	0.0	68.949	SRV
	test	Neutral ev olution	1.0	30.997	SRV
	reference	Diversifyi ng selecti on	5.154	8.222	SRV
	reference	Negative s election	0.001	1.934	SRV
	reference	Negative s election	0.025	89.845	SRV
	test	Diversifyi ng selecti on	2.661	8.222	SRV
	test	Diversifyi ng selecti on	5.154	8.222	SRV
	test	Negative s election	0.015	1.934	SRV
	test	Negative s election	0.112	89.845	SRV
	test	Negative s election	0.001	1.934	SRV
	test	Negative s election	0.025	89.845	SRV
	reference	Diversifyi ng selecti on	4.652	5.457	SRV
	reference	Negative s election	0.108	91.3	SRV
	reference	Neutral ev olution	1.0	3.244	SRV
	test	Diversifyi ng selecti on	4.652	5.457	SRV
	test	Negative s election	0.108	91.3	SRV
	test	Neutral ev olution	1.0	3.244	SRV
	reference	Diversifyi ng selecti on	3.98	9.824	SRV+Double
	reference	Negative s election	0.0	3.458	SRV+Double
	reference	Negative s election	0.0	86.718	SRV+Double
	test	Diversifyi ng selecti on	1.21	9.824	SRV+Double
	test	Diversifyi ng selecti on	3.98	9.824	SRV+Double
	test	Negative s election	0.0	3.458	SRV+Double
	test	Negative s election	0.144	86.718	SRV+Double
	test	Negative s election	0.0	3.458	SRV+Double
	test	Negative s election	0.0	86.718	SRV+Double
	test	Negative s election	0.0	86.718	SRV+Double
	reference	Negative s election	0.17	40.023	SRV+Double
	reference	Negative s election	0.311	58.132	SRV+Double
	reference	Neutral ev olution	1.0	1.845	SRV+Double
	test	Negative s election	0.17	40.023	SRV+Double
	test	Negative s election	0.311	58.132	SRV+Double
	test	Neutral ev olution	1.0	1.845	SRV+Double
	reference	Diversifyi ng selecti on	3.962	9.882	SRV+Double
	reference	Negative s election	0.0	1.702	SRV+Double
	reference	Negative s election	0.0	88.417	SRV+Double
	test	Diversifyi ng selecti on	1.221	9.882	SRV+Double
	test	Diversifyi ng selecti on	3.962	9.882	SRV+Double
	test	Negative s election	0.0	1.702	SRV+Double
	test	Negative s election	0.139	88.417	SRV+Double
	test	Negative s election	0.0	1.702	SRV+Double
	test	Negative s election	0.0	88.417	SRV+Double
	reference	Diversifyi ng selecti on	11.027	1.31	SRV+Double
	reference	Negative s election	0.253	98.221	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	1	0.0	35.701	SRV	
	2	1.368	59.751	SRV	
	3	4.015	4.548	SRV	
	1	0.017	42.348	SRV	
	2	1.086	4.349	SRV	
	3	1.774	53.304	SRV	
	1	0.002	48.609	SRV	
	2	0.002	0.249	SRV	
	3	1.954	51.142	SRV	
SRV	1	0.002	14.087	SRV	
	2	0.002	34.778	SRV	
	3	1.954	51.135	SRV	
	1	0.002	48.859	SRV	
	2	0.049	0.0	SRV	
	3	1.954	51.141	SRV	
	1	0.001	0.0	SRV	
	2	0.002	48.874	SRV	
	3	1.954	51.126	SRV	
SRV	1	0.0	39.998	SRV	
	2	0.866	8.186	SRV	
	3	1.793	51.817	SRV	
	1	0.002	48.86	SRV	
	2	0.002	0.0	SRV	
	3	1.954	51.14	SRV	
	1	0.0	30.523	SRV	
	2	0.577	37.423	SRV	
	3	2.446	32.054	SRV	
SRV	1	0.0	36.123	SRV	
	2	1.39	59.714	SRV	
	3	4.088	4.163	SRV	

	reference		2H	0.2843	SRV+Double	
	reference		2H	0.1563	SRV+Double	
	test		2H	0.6956	SRV+Double	
	test		2H	0.7792	SRV+Double	
	reference		2H	0.4291	SRV+Double	
	reference		2H	0.2379	SRV+Double	
	test		2H	0.8004	SRV+Double	
	reference		2H	0.2841	SRV+Double	
	reference		2H	0.1584	SRV+Double	
	test		2H	0.698	SRV+Double	
	test		2H	0.78	SRV+Double	
	reference		2H	0.4267	SRV+Double	
	reference		2H	0.2377	SRV+Double	
	test		2H	0.8014	SRV+Double	
	reference		2H	0.2828	SRV+Double	
	reference		2H	0.1569	SRV+Double	
	test		2H	0.6967	SRV+Double	
	test		2H	0.7818	SRV+Double	
	reference		2H	0.4288	SRV+Double	
	reference		2H	0.2374	SRV+Double	
	test		2H	0.8038	SRV+Double	
	reference		2H	0.2687	SRV+Double	
	reference		2H	0.1714	SRV+Double	
	test		2H	0.6521	SRV+Double	
	test		2H	0.7837	SRV+Double	
	reference		2H	0.4289	SRV+Double	
	reference		2H	0.2389	SRV+Double	
	test		2H	0.7994	SRV+Double	
	reference		2H	0.2818	SRV+Double	
	reference		2H	0.1579	SRV+Double	
	test		2H	0.6936	SRV+Double	
	test		2H	0.7803	SRV+Double	
	reference		2H	0.4438	SRV+Double	
	reference		2H	0.2377	SRV+Double	
	test		2H	0.8016	SRV+Double	
	reference		2H	0.2814	SRV+Double	
	reference		2H	0.1621	SRV+Double	
	test		2H	0.6937	SRV+Double	
	test		2H	0.7875	SRV+Double	
	reference		2H	0.449	SRV+Double	
	reference		2H	0.2357	SRV+Double	
	test		2H	0.7991	SRV+Double	
	reference		2H	0.284	SRV+Double	
	reference		2H	0.1574	SRV+Double	
	test		2H	0.6967	SRV+Double	
	test		2H	0.7817	SRV+Double	
	reference		2H	0.4284	SRV+Double	
	reference		2H	0.2378	SRV+Double	
	test		2H	0.8076	SRV+Double	
	reference		2H	0.2692	SRV+Double	