

# RELAX Combined Report

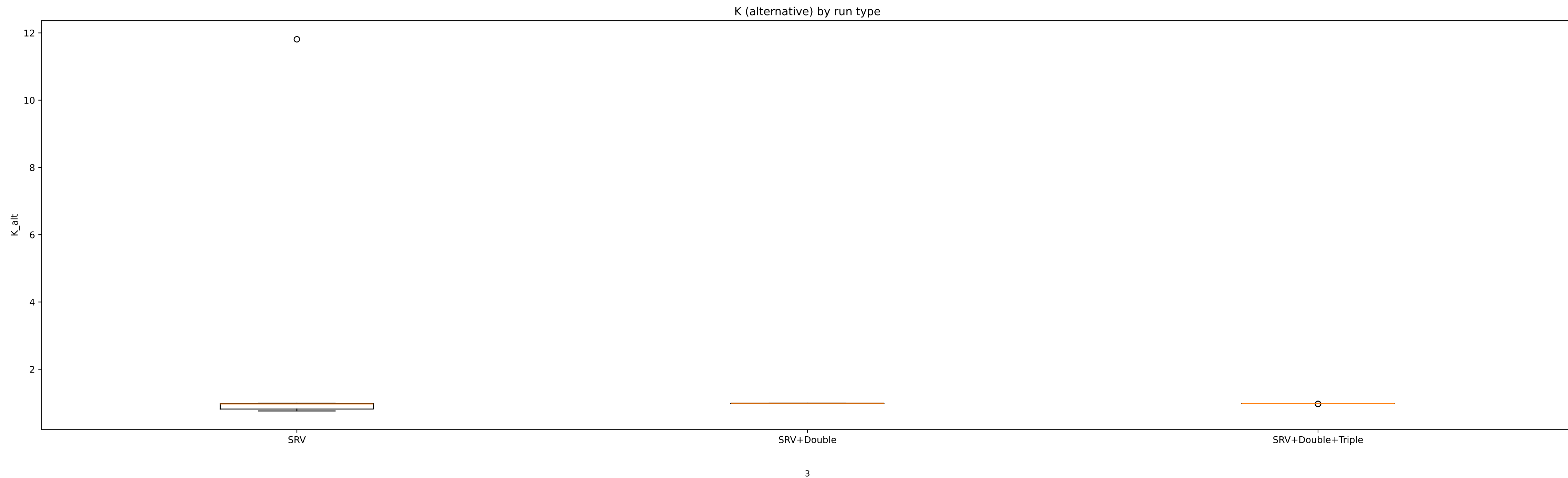
SRV vs SRV+Double vs SRV+Double+Triple

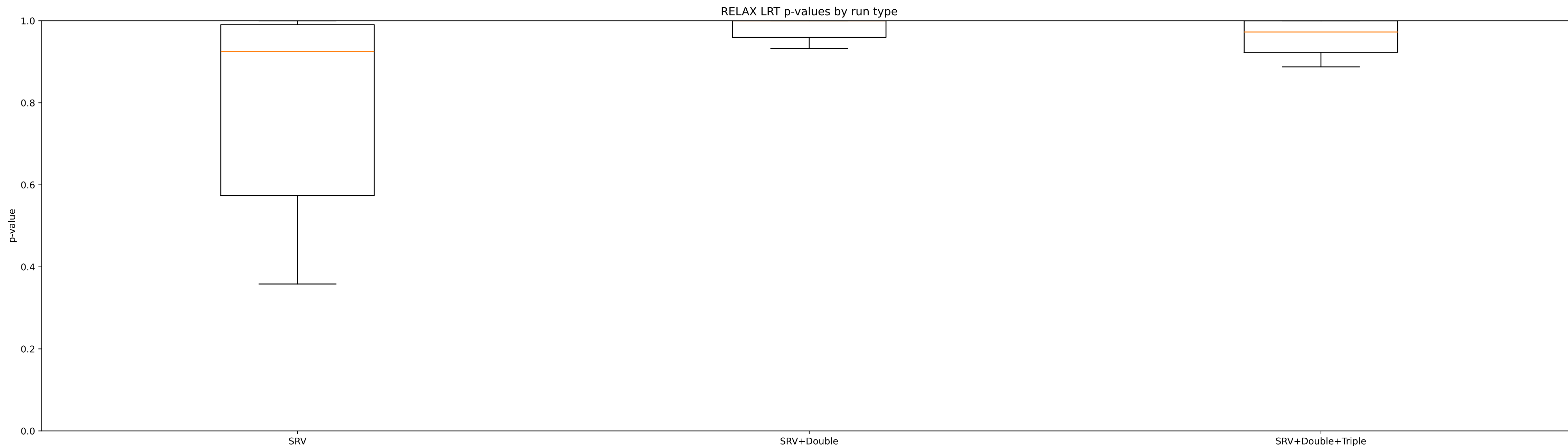
Includes:

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

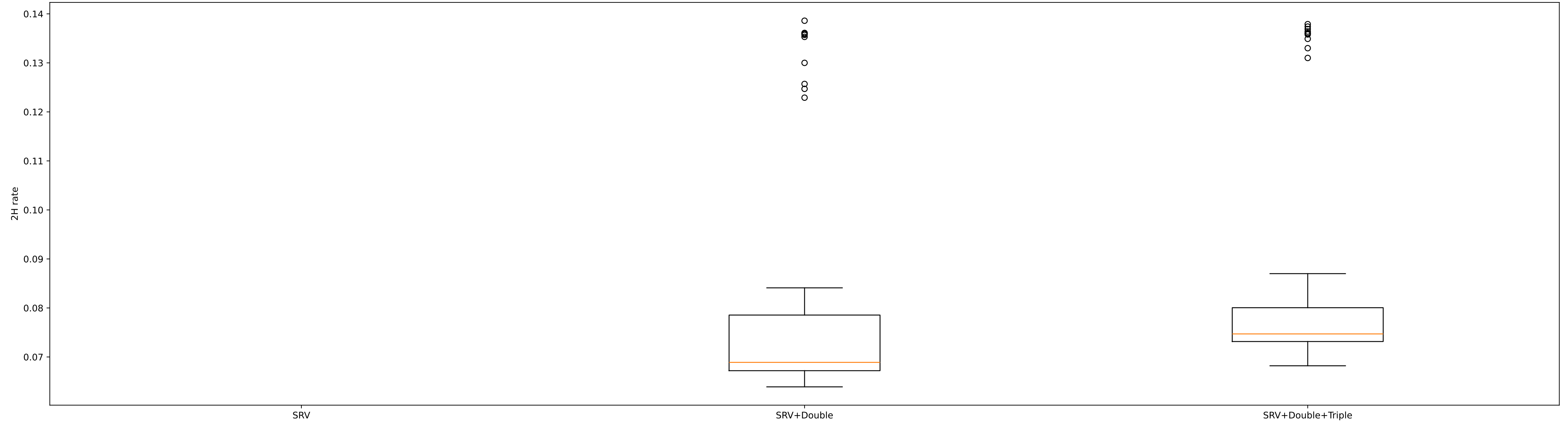
Run-type summary statistics

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
0.925	0.3582	1.0	0.97	0.76	11.81	0.1941	0.2225	10	nan	nan
1.0	0.9326	1.0	0.99	0.98	0.99	0.1941	0.2225	10	0.0689	0.2007
0.9726	0.8875	1.0	0.98	0.97	0.98	0.1941	0.2225	10	0.0747	0.1526





2H rates (reference) by run type

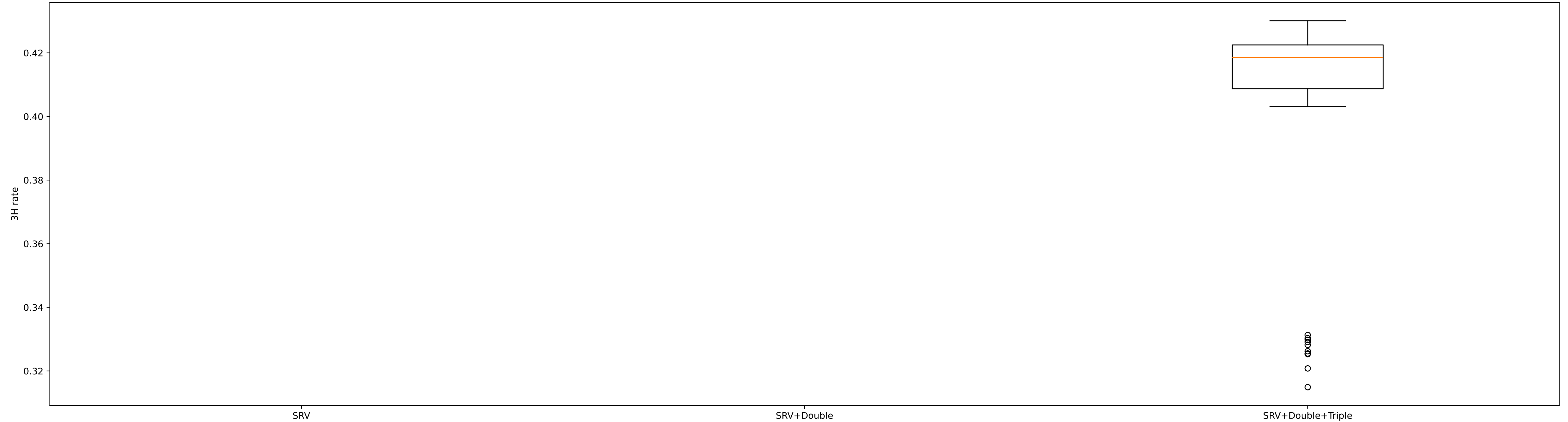




3H rates (reference) by run type



3H rates (test) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.9484	0.97	0.194	0.2225	
	2	0.9613	0.97	0.1941	0.2225	
	3	0.9015	0.96	0.194	0.2225	
	4	0.5716	0.77	0.194	0.2225	
	5	0.5758	0.76	0.1941	0.2225	
	6	1.0	0.99	0.1941	0.2225	
	7	0.5731	0.76	0.1941	0.2225	
	8	1.0	0.99	0.1941	0.2225	
	9	0.3582	11.81	0.1941	0.2225	
	10	1.0	0.98	0.1941	0.2225	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	0.98	0.1941	0.2225	
	2	1.0	0.99	0.1941	0.2225	
	3	0.9833	0.99	0.194	0.2225	
	4	0.9516	0.98	0.1941	0.2225	
	5	1.0	0.99	0.1941	0.2225	
	6	1.0	0.99	0.1941	0.2225	
	7	1.0	0.99	0.1941	0.2225	
	8	0.9326	0.99	0.1941	0.2225	
	9	1.0	0.98	0.1941	0.2225	
	10	0.9428	0.98	0.1941	0.2225	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.9438	0.98	0.1939	0.2222	
	2	1.0	0.98	0.1941	0.2225	
	3	1.0	0.98	0.1941	0.2225	
	4	0.9452	0.98	0.1941	0.2225	
	5	1.0	0.98	0.1941	0.2225	
	6	1.0	0.98	0.1941	0.2225	
	7	0.9161	0.98	0.1941	0.2225	
	8	1.0	0.98	0.1941	0.2225	
	9	0.8875	0.97	0.1941	0.2225	
	10	0.8931	0.97	0.1941	0.2225	

	test	Negative s election	0.083	75.044	SRV+Double	
	test	Negative s election	0.507	24.956	SRV+Double	
	test	Negative s election	0.079	75.044	SRV+Double	
	test	Negative s election	0.501	24.956	SRV+Double	
	reference	Diversifyi ng selecti on	Ω-class distributions (all) (cols 1-7/7)	0.0	SRV+Double	
	reference	Negative s election		0.079	74.607	SRV+Double
	reference	Negative s election		0.496	25.393	SRV+Double
	test	Diversifyi ng selecti on		2.098	0.0	SRV+Double
	test	Negative s election		0.079	74.607	SRV+Double
	test	Negative s election		0.496	25.393	SRV+Double
	reference	Diversifyi ng selecti on		1.011	0.0	SRV+Double
	reference	Negative s election		0.086	77.123	SRV+Double
	reference	Negative s election		0.519	22.877	SRV+Double
	test	Diversifyi ng selecti on		1.011	0.0	SRV+Double
	test	Diversifyi ng selecti on		1.011	0.0	SRV+Double
	test	Negative s election		0.088	77.123	SRV+Double
	test	Negative s election	0.523	22.877	SRV+Double	
	test	Negative s election	0.086	77.123	SRV+Double	
	test	Negative s election	0.519	22.877	SRV+Double	
	reference	Diversifyi ng selecti on	6.315	0.0	SRV+Double	
	reference	Negative s election	0.083	76.095	SRV+Double	
	reference	Negative s election	0.508	23.905	SRV+Double	
	test	Diversifyi ng selecti on	6.315	0.0	SRV+Double	
	test	Negative s election	0.083	76.095	SRV+Double	
	test	Negative s election	0.508	23.905	SRV+Double	
	reference	Diversifyi ng selecti on	1.004	0.0	SRV+Double	
	reference	Negative s election	0.087	78.539	SRV+Double	
	reference	Negative s election	0.543	21.461	SRV+Double	
	test	Diversifyi ng selecti on	1.004	0.0	SRV+Double	
	test	Diversifyi ng selecti on	1.004	0.0	SRV+Double	
	test	Negative s election	0.09	78.539	SRV+Double	
	test	Negative s election	0.547	21.461	SRV+Double	
	test	Negative s election	0.087	78.539	SRV+Double	
	test	Negative s election	0.543	21.461	SRV+Double	
	reference	Diversifyi ng selecti on	5.463	0.0	SRV+Double	
	reference	Negative s election	0.079	75.693	SRV+Double	
	reference	Negative s election	0.515	24.307	SRV+Double	
	test	Diversifyi ng selecti on	5.463	0.0	SRV+Double	
	test	Negative s election	0.079	75.693	SRV+Double	
	test	Negative s election	0.515	24.307	SRV+Double	
	reference	Diversifyi ng selecti on	6.54	0.0	SRV+Double	
	reference	Negative s election	0.001	0.0	SRV+Double	
	reference	Negative s election	0.177	100.0	SRV+Double	
	test	Diversifyi ng selecti on	6.449	0.0	SRV+Double	
	test	Diversifyi ng selecti on	6.54	0.0	SRV+Double	
	test	Negative s election	0.001	0.0	SRV+Double	
	test	Negative s election	0.179	100.0	SRV+Double	
	test	Negative s election	0.001	0.0	SRV+Double	
	test	Negative s election	0.177	100.0	SRV+Double	
	reference	Negative s election	0.0	19.64	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.06	26.457	SRV	
	2	0.974	49.335	SRV	
	3	2.081	24.208	SRV	
	1	0.04	24.827	SRV	
	2	0.946	50.557	SRV	
	3	2.08	24.616	SRV	
	1	0.065	26.898	SRV	
	2	0.98	48.694	SRV	
	3	2.071	24.408	SRV	
	1	0.0	20.931	SRV	
	2	0.835	50.289	SRV	
	3	2.015	28.781	SRV	
	1	0.095	28.99	SRV	
	2	0.976	44.06	SRV	
	3	2.014	26.95	SRV	
	1	0.072	27.6	SRV	
	2	1.001	48.72	SRV	
	3	2.08	23.68	SRV	
	1	0.064	26.206	SRV	
	2	0.925	46.197	SRV	
	3	2.014	27.596	SRV	
	1	0.068	27.328	SRV	
	2	0.995	48.726	SRV	
	3	2.074	23.946	SRV	
	1	0.0	20.435	SRV	
	2	0.813	50.022	SRV	
	3	2.008	29.543	SRV	
	1	0.041	25.019	SRV	
	2	0.955	50.746	SRV	
	3	2.085	24.235	SRV	

	test	3H	0.3208	SRV+Double+Triple	
	reference	2H	0.1379	SRV+Double+Triple	
	reference	2H	0.0776	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1616	SRV+Double+Triple	
	test	3H	0.4256	SRV+Double+Triple	
	reference	2H	0.0749	SRV+Double+Triple	
	reference	2H	0.0743	SRV+Double+Triple	
	reference	2H	0.0744	SRV+Double+Triple	
	reference	2H	0.0741	SRV+Double+Triple	
	reference	2H	0.0731	SRV+Double+Triple	
	reference	2H	0.0737	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1579	SRV+Double+Triple	
	test	2H	0.1578	SRV+Double+Triple	
	test	2H	0.1582	SRV+Double+Triple	
	test	2H	0.1484	SRV+Double+Triple	
	test	2H	0.1553	SRV+Double+Triple	
	test	2H	0.0193	SRV+Double+Triple	
	test	3H	0.4206	SRV+Double+Triple	
	test	3H	0.4217	SRV+Double+Triple	
	test	3H	0.421	SRV+Double+Triple	
	test	3H	0.4113	SRV+Double+Triple	
	test	3H	0.4192	SRV+Double+Triple	
	test	3H	0.3291	SRV+Double+Triple	
	reference	2H	0.131	SRV+Double+Triple	
	reference	2H	0.0779	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1585	SRV+Double+Triple	
	test	3H	0.4278	SRV+Double+Triple	
	reference	2H	0.0785	SRV+Double+Triple	
	reference	2H	0.0794	SRV+Double+Triple	
	reference	2H	0.0795	SRV+Double+Triple	
	reference	2H	0.08	SRV+Double+Triple	
	reference	2H	0.0801	SRV+Double+Triple	
	reference	2H	0.087	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1599	SRV+Double+Triple	
	test	2H	0.1631	SRV+Double+Triple	
	test	2H	0.1636	SRV+Double+Triple	
	test	2H	0.1613	SRV+Double+Triple	
	test	2H	0.1649	SRV+Double+Triple	
	test	2H	0.014	SRV+Double+Triple	
	test	3H	0.4278	SRV+Double+Triple	
	test	3H	0.4281	SRV+Double+Triple	
	test	3H	0.4289	SRV+Double+Triple	
	test	3H	0.424	SRV+Double+Triple	
	test	3H	0.4288	SRV+Double+Triple	
	test	3H	0.3149	SRV+Double+Triple	

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