

# RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

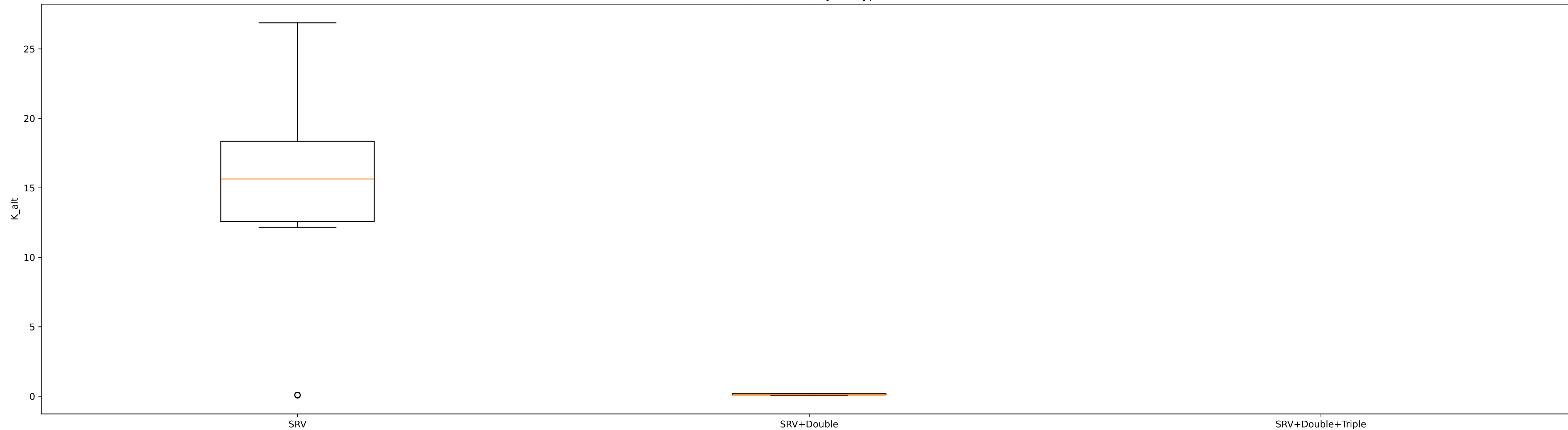
Includes:

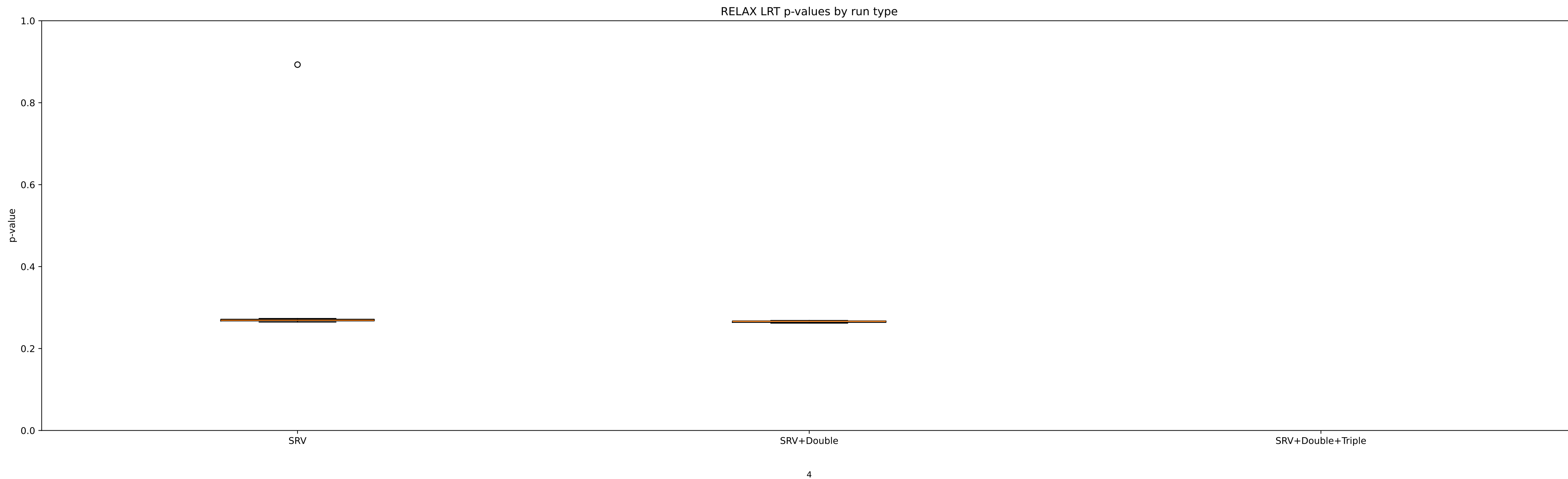
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

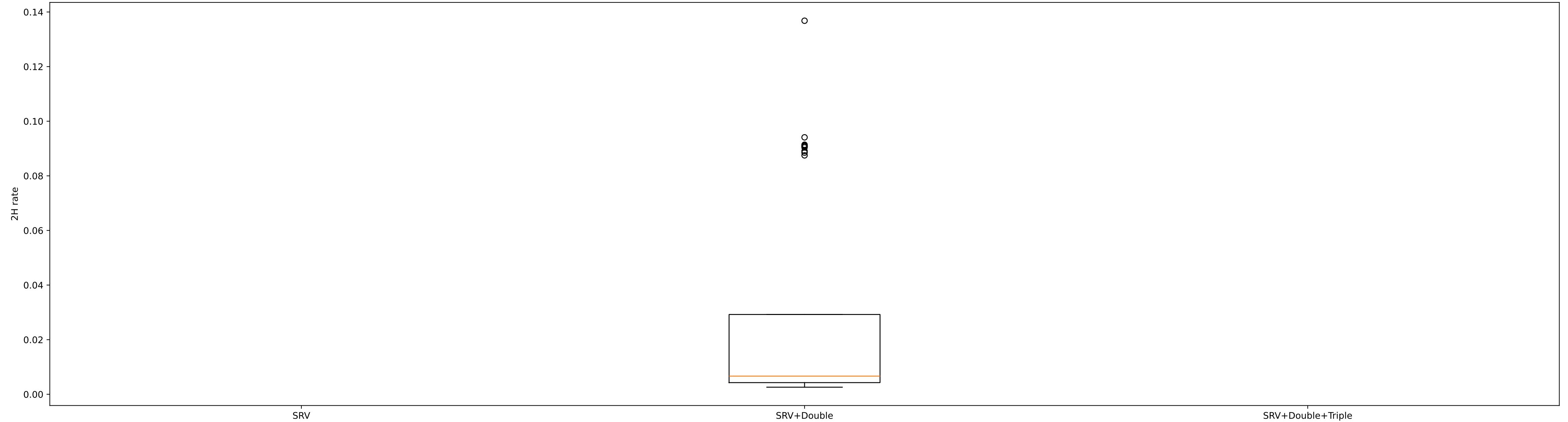
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.269	0.2646	0.8929	15.64	0.07	26.88	0.2618	0.6861	10	nan	nan
0.2664	0.262	0.2684	0.105	0.07	0.19	0.2618	0.6861	10	0.0066	0.0
nan	nan	nan	nan	nan	nan	nan	nan	0	nan	nan

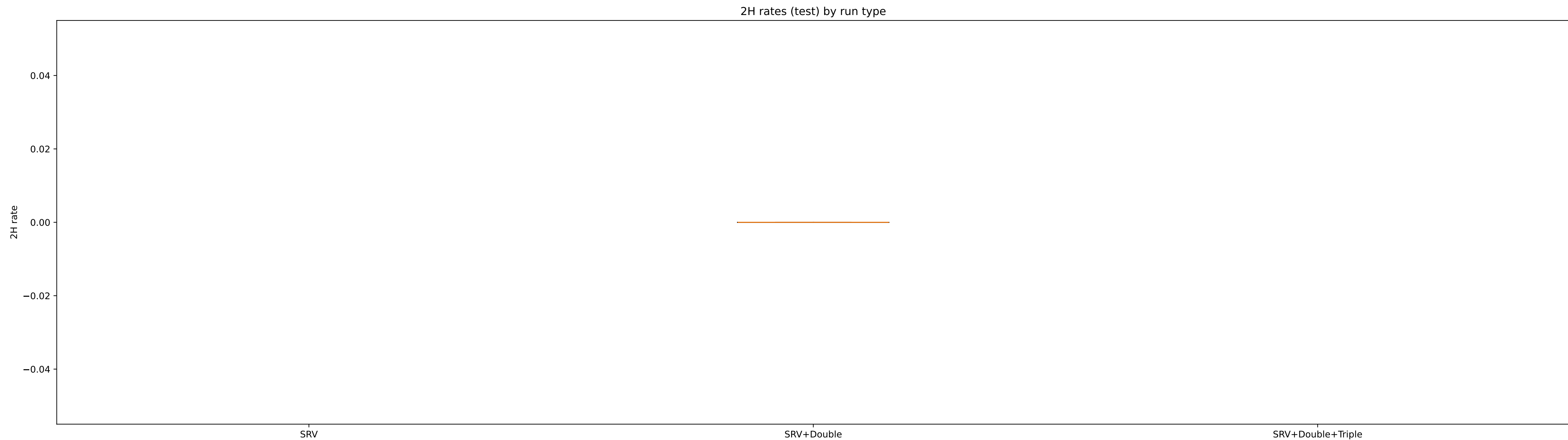
K (alternative) by run type





2H rates (reference) by run type





No 3H rates available

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2646	16.21	0.2618	0.6861	
	2	0.2733	18.39	0.2618	0.6861	
	3	0.2721	18.23	0.2618	0.6848	
	4	0.2682	0.07	0.2618	0.6861	
	5	0.2689	12.16	0.2617	0.6854	
	6	0.2657	13.86	0.2618	0.6861	
	7	0.2691	15.07	0.2618	0.6861	
	8	0.8929	0.1	0.2617	0.6837	
	9	0.2673	26.88	0.2618	0.6861	
	10	0.2693	20.49	0.2618	0.6861	



	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2657	0.11	0.2617	0.6854	
	2	0.263	0.09	0.2618	0.6861	
	3	0.2633	0.08	0.2619	0.6877	
	4	0.2674	0.18	0.2616	0.6841	
	5	0.2672	0.1	0.2616	0.6841	
	6	0.2666	0.19	0.2618	0.6861	
	7	0.2663	0.1	0.2618	0.6861	
	8	0.2683	0.19	0.2618	0.6861	
	9	0.262	0.07	0.2618	0.6861	
	10	0.2684	0.19	0.2618	0.6861	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	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	Negative s election	0.0	14.073	SRV	
	test	Negative s election	0.0	64.733	SRV	
	test	Negative s election	0.042	14.073	SRV	
	test	Negative s election	0.077	64.733	SRV	
	reference	Diversifyi ng selecti on	0.0	22.375	SRV	
	reference	Negative s election	0.044	10.203	SRV	
	reference	Negative s election	0.07	67.422	SRV	
	test	Diversifyi ng selecti on	1.008	22.375	SRV	
	test	Negative s election	0.044	10.203	SRV	
	test	Negative s election	0.07	67.422	SRV	
	reference	Diversifyi ng selecti on	1.061	20.303	SRV	
	reference	Negative s election	0.072	59.471	SRV	
	reference	Negative s election	0.087	20.227	SRV	
	test	Diversifyi ng selecti on	3.371	20.303	SRV	
	test	Diversifyi ng selecti on	1.061	20.303	SRV	
	test	Negative s election	0.0	59.471	SRV	
	test	Negative s election	0.0	20.227	SRV	
	test	Negative s election	0.072	59.471	SRV	
	test	Negative s election	0.087	20.227	SRV	
	reference	Negative s election	0.044	22.838	SRV	
	reference	Negative s election	0.074	54.415	SRV	
	reference	Neutral ev olution	1.0	22.746	SRV	
	test	Negative s election	0.044	22.838	SRV	
	test	Negative s election	0.074	54.415	SRV	
	test	Neutral ev olution	1.0	22.746	SRV	
	reference	Negative s election	0.0	32.602	SRV+Double	
	reference	Negative s election	0.138	46.465	SRV+Double	
	reference	Neutral ev olution	1.0	20.933	SRV+Double	
	test	Negative s election	0.341	32.602	SRV+Double	
	test	Negative s election	0.803	46.465	SRV+Double	
	test	Negative s election	0.0	32.602	SRV+Double	
	test	Negative s election	0.138	46.465	SRV+Double	
	test	Neutral ev olution	1.0	20.933	SRV+Double	
	test	Neutral ev olution	1.0	20.933	SRV+Double	
	reference	Diversifyi ng selecti on	1.015	20.952	SRV+Double	
	reference	Negative s election	0.0	33.393	SRV+Double	
	reference	Negative s election	0.139	45.655	SRV+Double	
	test	Diversifyi ng selecti on	1.015	20.952	SRV+Double	
	test	Negative s election	0.0	33.393	SRV+Double	
	test	Negative s election	0.139	45.655	SRV+Double	
	reference	Negative s election	0.0	61.959	SRV+Double	
	reference	Negative s election	0.676	33.972	SRV+Double	
	reference	Neutral ev olution	1.0	4.069	SRV+Double	
	test	Negative s election	0.502	61.959	SRV+Double	
	test	Negative s election	0.966	33.972	SRV+Double	
	test	Negative s election	0.0	61.959	SRV+Double	
	test	Negative s election	0.676	33.972	SRV+Double	
	test	Neutral ev olution	1.0	4.069	SRV+Double	
	test	Neutral ev olution	1.0	4.069	SRV+Double	
	reference	Negative s election	0.0	62.119	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.661	44.425	SRV	
	2	0.676	27.583	SRV	
	3	1.857	27.992	SRV	
	1	0.654	28.121	SRV	
	2	0.665	42.674	SRV	
	3	1.823	29.205	SRV	
	1	0.656	41.333	SRV	
	2	0.667	29.539	SRV	
	3	1.825	29.128	SRV	
	1	0.647	31.936	SRV	
	2	0.677	39.32	SRV	
	3	1.834	28.744	SRV	
	1	0.663	26.099	SRV	
	2	0.664	45.237	SRV	
	3	1.837	28.664	SRV	
	1	0.66	45.319	SRV	
	2	0.676	26.487	SRV	
	3	1.851	28.195	SRV	
	1	0.655	46.335	SRV	
	2	0.67	24.41	SRV	
	3	1.822	29.254	SRV	
	1	0.654	33.015	SRV	
	2	0.678	39.062	SRV	
	3	1.858	27.923	SRV	
	1	0.65	39.44	SRV	
	2	0.674	31.299	SRV	
	3	1.821	29.26	SRV	
	1	0.655	42.692	SRV	
	2	0.668	28.06	SRV	
	3	1.822	29.248	SRV	

	test	2H	0.0	SRV+Double	
	reference	2H	0.0904	SRV+Double	
	reference	2H	0.0098	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	Multihit (2H/3H) rates (all) (cols 1-6/6) 0.0074	SRV+Double	
	reference	2H	0.0081	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0891	SRV+Double	
	reference	2H	0.0068	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0065	SRV+Double	
	reference	2H	0.0075	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0908	SRV+Double	
	reference	2H	0.0077	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.004	SRV+Double	
	reference	2H	0.0064	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0875	SRV+Double	
	reference	2H	0.005	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0028	SRV+Double	
	reference	2H	0.0045	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0885	SRV+Double	
	reference	2H	0.0044	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.004	SRV+Double	
	reference	2H	0.0035	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.1368	SRV+Double	
	reference	2H	0.0055	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0042	SRV+Double	
	reference	2H	0.0055	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0914	SRV+Double	
	reference	2H	0.0046	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0033	SRV+Double	
	reference	2H	0.0034	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0911	SRV+Double	
	reference	2H	0.0097	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0088	SRV+Double	
	reference	2H	0.0089	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0908	SRV+Double	