

RELAX Combined Report

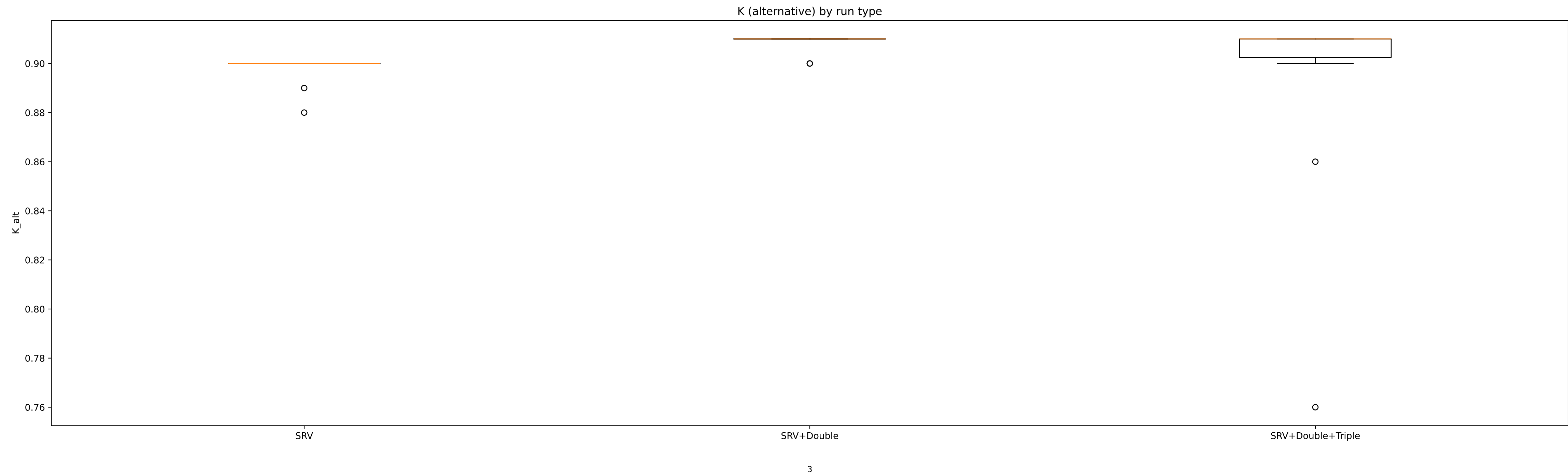
SRV vs SRV+Double vs SRV+Double+Triple

Includes:

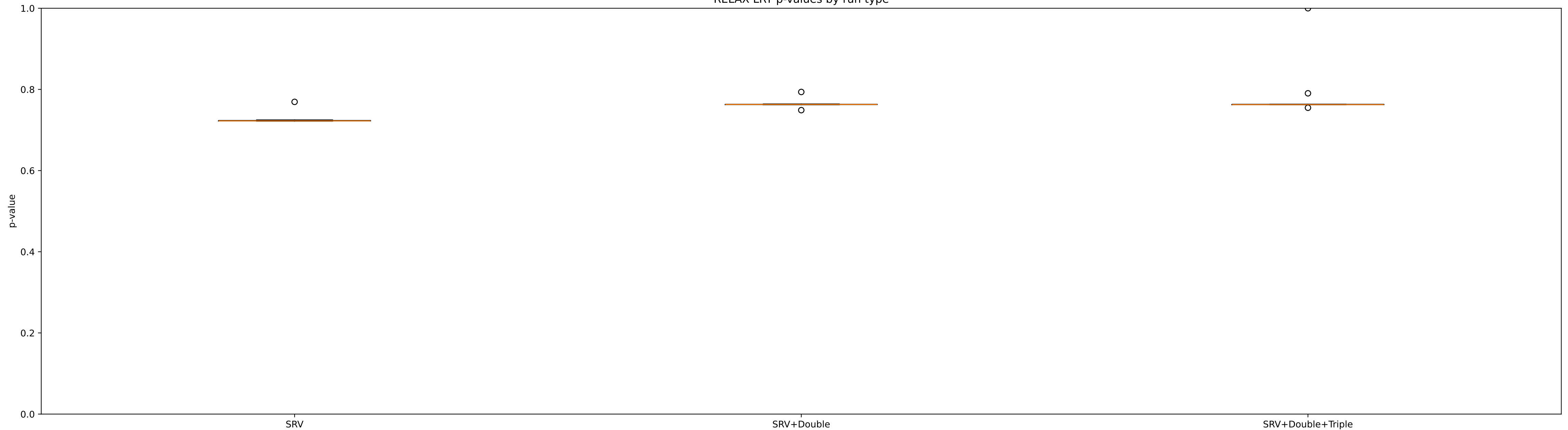
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

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
0.7225	0.7218	0.7693	0.9	0.88	0.9	0.2247	0.2397	9	nan	nan
0.763	0.7489	0.7937	0.91	0.9	0.91	0.2247	0.2397	10	0.0	0.114
0.7625	0.7548	1.0	0.91	0.76	0.91	0.2247	0.2397	10	0.0	0.114

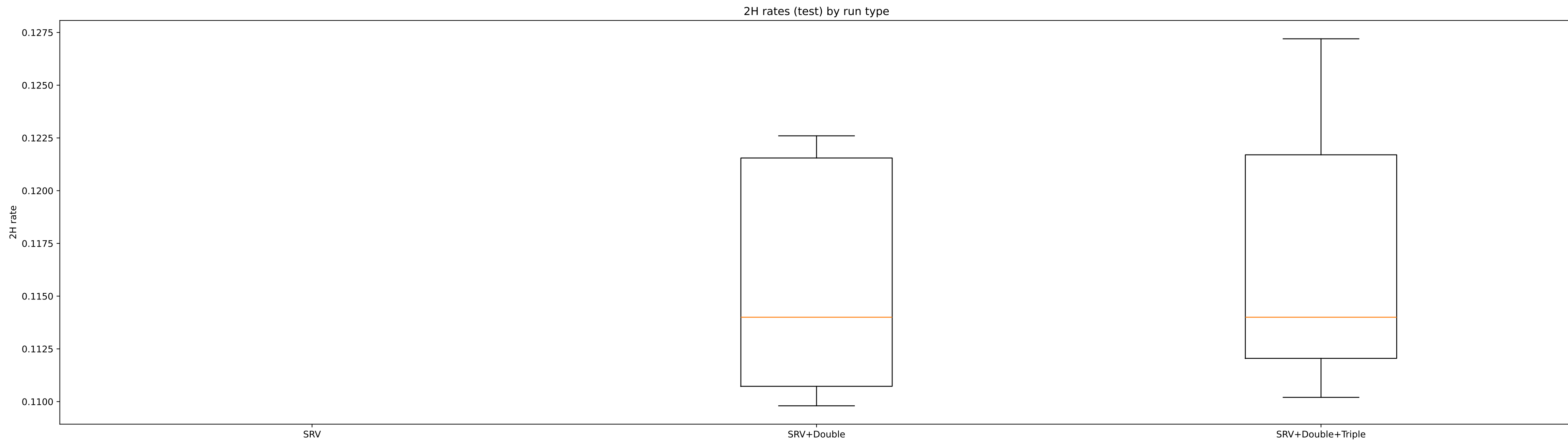


RELAX LRT p-values by run type

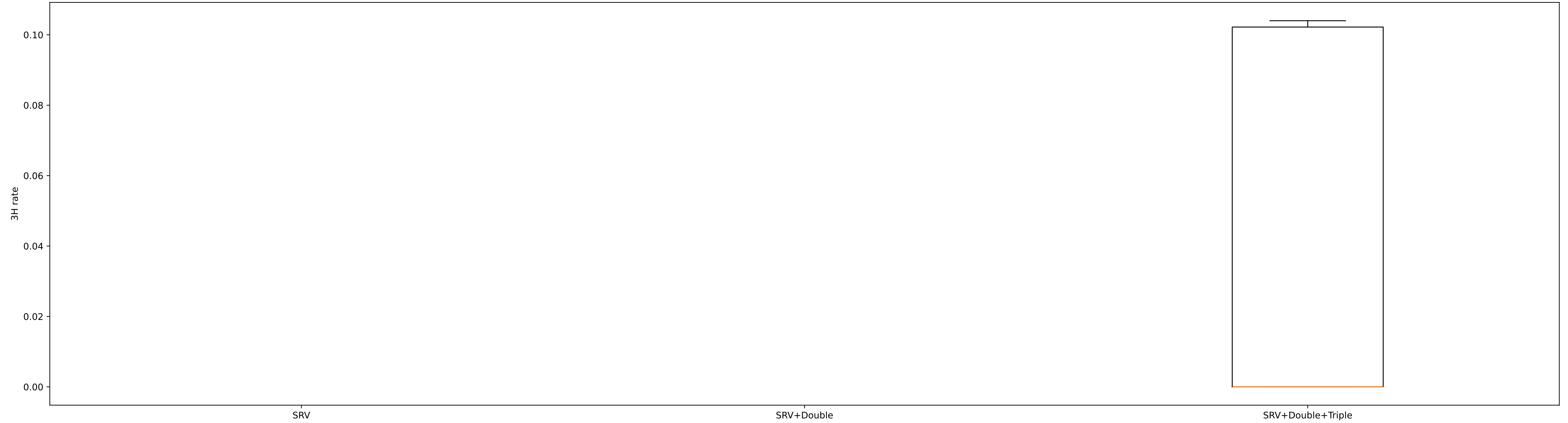


2H rates (reference) by run type





3H rates (reference) by run type



3H rates (test) by run type



	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7225	0.9	0.2247	0.2397	
	2	nan	nan	0.2247	0.2397	
	3	0.7225	0.9	0.2247	0.2397	
	4	0.7218	0.9	0.2247	0.2397	
	5	0.7247	0.9	0.2247	0.2397	
	6	0.7227	0.89	0.2247	0.2397	
	7	0.7693	0.88	0.2247	0.2397	
	8	0.7222	0.9	0.2247	0.2397	
	9	0.7222	0.9	0.2247	0.2397	
	10	0.7234	0.9	0.2247	0.2397	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7623	0.91	0.2247	0.2397	
	2	0.7628	0.91	0.2247	0.2397	
	3	0.7626	0.91	0.2247	0.2397	
	4	0.7937	0.9	0.2247	0.2397	
	5	0.7489	0.9	0.2247	0.2397	
	6	0.7641	0.91	0.2247	0.2397	
	7	0.7633	0.91	0.2247	0.2397	
	8	0.7631	0.91	0.2247	0.2397	
	9	0.7625	0.91	0.2247	0.2397	
	10	0.7634	0.91	0.2247	0.2397	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	0.76	0.2247	0.2397	
	2	0.7624	0.91	0.2247	0.2397	
	3	0.7548	0.9	0.2247	0.2397	
	4	0.7625	0.91	0.2247	0.2397	
	5	0.7624	0.91	0.2247	0.2397	
	6	0.7904	0.86	0.2247	0.2397	
	7	0.763	0.91	0.2247	0.2397	
	8	0.7624	0.91	0.2247	0.2397	
	9	0.7625	0.91	0.2247	0.2397	
	10	0.7634	0.91	0.2247	0.2397	

		test	Negative selection	0.172	1.438	SRV+Double	
		test	Negative selection	0.205	98.321	SRV+Double	
		reference	Diversifying selection	12.505	0.24	SRV+Double	
		reference	Negative selection	0.203	98.755	SRV+Double	
		reference	Negative selection	0.239	1.005	SRV+Double	
		test	Diversifying selection	9.797	0.24	SRV+Double	
		test	Diversifying selection	12.505	0.24	SRV+Double	
		test	Negative selection	0.0	1.005	SRV+Double	
		test	Negative selection	0.237	98.755	SRV+Double	
		test	Negative selection	0.203	98.755	SRV+Double	
		test	Negative selection	0.239	1.005	SRV+Double	
		reference	Diversifying selection	12.199	0.245	SRV+Double	
		reference	Negative selection	0.129	0.986	SRV+Double	
		reference	Negative selection	0.206	98.769	SRV+Double	
		test	Diversifying selection	12.199	0.245	SRV+Double	
		test	Negative selection	0.129	0.986	SRV+Double	
		test	Negative selection	0.206	98.769	SRV+Double	
		reference	Diversifying selection	12.541	0.24	SRV+Double	
		reference	Negative selection	0.204	98.87	SRV+Double	
		reference	Negative selection	0.212	0.89	SRV+Double	
		test	Diversifying selection	9.997	0.24	SRV+Double	
		test	Diversifying selection	12.541	0.24	SRV+Double	
		test	Negative selection	0.235	98.87	SRV+Double	
		test	Negative selection	0.244	0.89	SRV+Double	
		test	Negative selection	0.204	98.87	SRV+Double	
		test	Negative selection	0.212	0.89	SRV+Double	
		reference	Diversifying selection	12.17	0.245	SRV+Double	
		reference	Negative selection	0.204	0.922	SRV+Double	
		reference	Negative selection	0.206	98.832	SRV+Double	
		test	Diversifying selection	12.17	0.245	SRV+Double	
		test	Negative selection	0.204	0.922	SRV+Double	
		test	Negative selection	0.206	98.832	SRV+Double	
		reference	Diversifying selection	12.338	0.244	SRV+Double	
		reference	Negative selection	0.204	98.97	SRV+Double	
		reference	Negative selection	0.21	0.787	SRV+Double	
		test	Diversifying selection	9.857	0.244	SRV+Double	
		test	Diversifying selection	12.338	0.244	SRV+Double	
		test	Negative selection	0.235	98.97	SRV+Double	
		test	Negative selection	0.241	0.787	SRV+Double	
		test	Negative selection	0.204	98.97	SRV+Double	
		test	Negative selection	0.21	0.787	SRV+Double	
		reference	Diversifying selection	12.125	0.247	SRV+Double	
		reference	Negative selection	0.205	98.956	SRV+Double	
		reference	Negative selection	0.211	0.797	SRV+Double	
		test	Diversifying selection	12.125	0.247	SRV+Double	
		test	Negative selection	0.205	98.956	SRV+Double	
		test	Negative selection	0.211	0.797	SRV+Double	
		reference	Diversifying selection	12.293	0.237	SRV+Double	
		reference	Negative selection	0.204	98.434	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.888	88.904	SRV	
	2	0.889	9.31	SRV	
	3	7.149	1.785	SRV	
	1	0.887	73.51	SRV	
	2	0.891	24.707	SRV	
	3	7.155	1.784	SRV	
	1	0.888	98.215	SRV	
	2	1.183	0.0	SRV	
	3	7.148	1.785	SRV	
	1	0.888	90.434	SRV	
	2	0.89	7.778	SRV	
	3	7.145	1.788	SRV	
	1	0.888	98.216	SRV	
	2	1.08	0.0	SRV	
	3	7.153	1.784	SRV	
	1	0.887	12.863	SRV	
	2	0.888	85.344	SRV	
	3	7.141	1.794	SRV	
	1	0.247	0.0	SRV	
	2	0.888	98.221	SRV	
	3	7.162	1.779	SRV	
	1	0.888	85.752	SRV	
	2	0.889	12.461	SRV	
	3	7.141	1.787	SRV	
	1	0.888	85.913	SRV	
	2	0.891	12.3	SRV	
	3	7.153	1.787	SRV	

	reference	3H	0.1033	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.127	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	0.1272	SRV+Double+Triple	
	test	2H	0.1136	SRV+Double+Triple	
	test	2H	0.1135	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.1028	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1106	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	0.1218	SRV+Double+Triple	
	test	2H	0.1142	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.1022	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1142	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	0.1271	SRV+Double+Triple	
	test	2H	0.1131	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.104	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1107	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	0.1218	SRV+Double+Triple	
	test	2H	0.1137	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.1022	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1105	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	0.1218	SRV+Double+Triple	
	test	2H	0.114	SRV+Double+Triple	