

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

Includes:

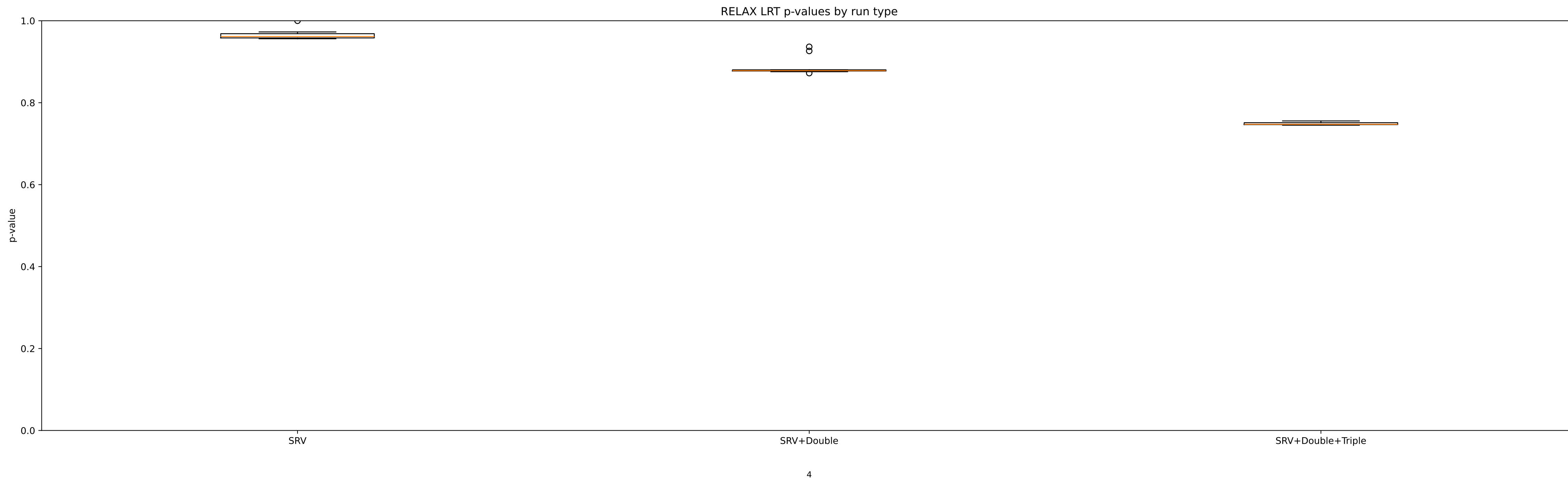
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

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
0.9616	0.9561	1.0	0.99	0.99	0.99	0.2353	0.2751	10	nan	nan
0.8782	0.8722	0.9364	0.97	0.97	0.97	0.2354	0.2752	10	0.0539	0.169
0.7473	0.7451	0.7555	0.95	0.94	0.95	0.2353	0.275	10	0.0599	0.0

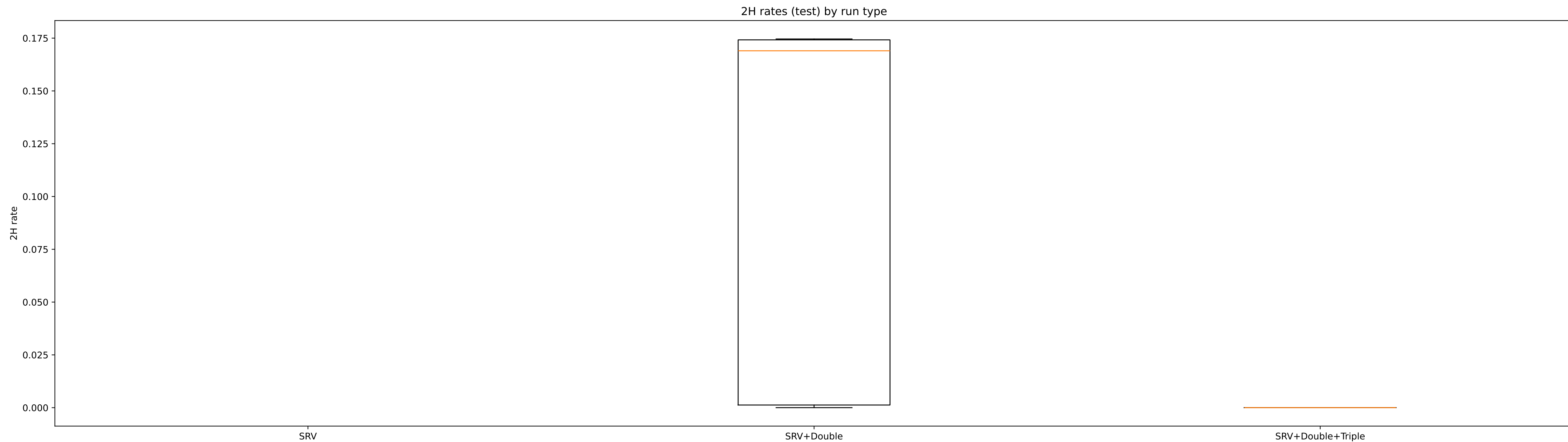
K (alternative) by run type



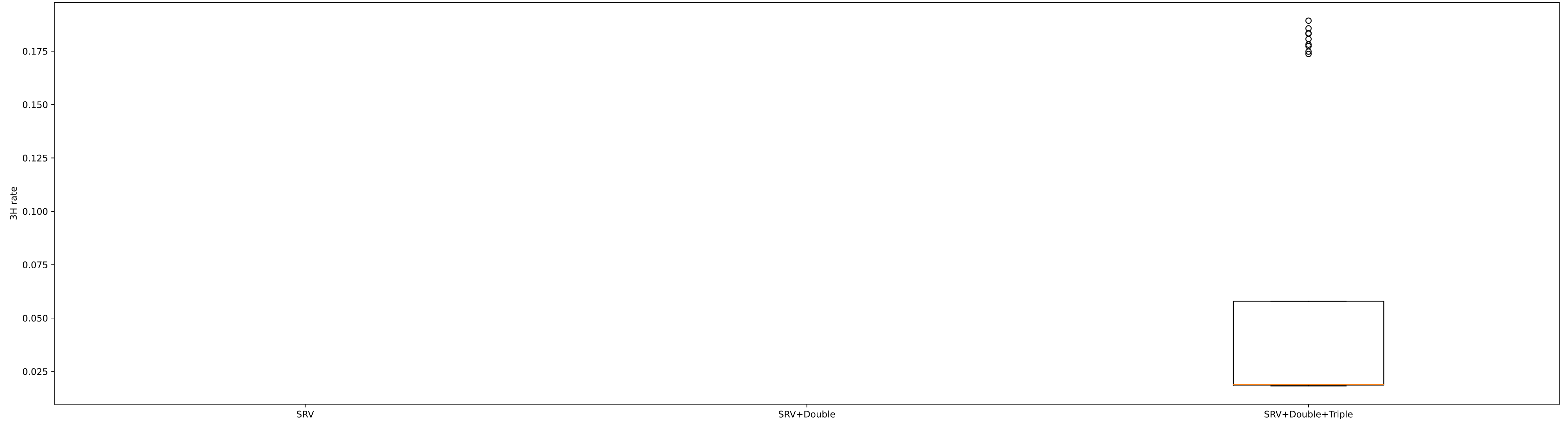


2H rates (reference) by run type

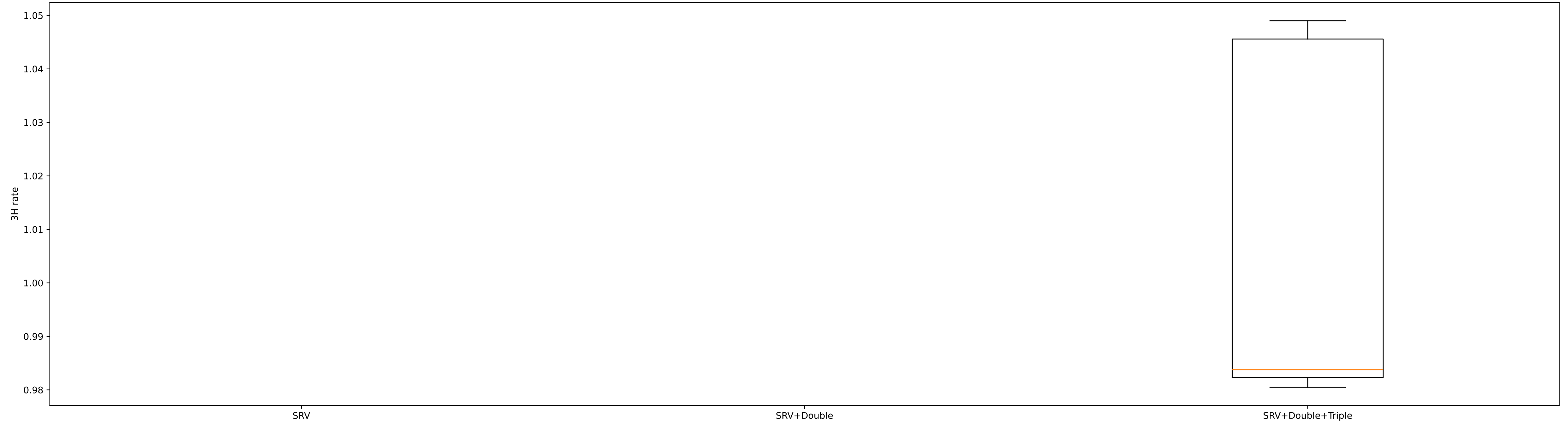




3H rates (reference) by run type



3H rates (test) by run type



	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	0.99	0.2353	0.2756	
	2	0.9598	0.99	0.2356	0.2755	
	3	0.9634	0.99	0.2353	0.2749	
	4	0.9574	0.99	0.2352	0.2749	
	5	0.9671	0.99	0.2352	0.2749	
	6	0.9561	0.99	0.2353	0.2752	
	7	0.9727	0.99	0.2355	0.2752	
	8	0.9587	0.99	0.2352	0.2749	
	9	0.9579	0.99	0.2353	0.275	
	10	0.9688	0.99	0.2348	0.2754	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.8804	0.97	0.2353	0.2752	
	2	0.9364	0.97	0.2354	0.2752	
	3	0.8756	0.97	0.2356	0.2755	
	4	0.8774	0.97	0.2348	0.2754	
	5	0.9263	0.97	0.2354	0.2752	
	6	0.8773	0.97	0.2355	0.2752	
	7	0.8779	0.97	0.2348	0.2754	
	8	0.8795	0.97	0.2353	0.2752	
	9	0.8784	0.97	0.2353	0.2749	
	10	0.8722	0.97	0.2354	0.2752	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7462	0.95	0.2353	0.275	
	2	0.7523	0.94	0.2356	0.2755	
	3	0.7465	0.95	0.2353	0.275	
	4	0.7555	0.95	0.2352	0.2749	
	5	0.7472	0.95	0.2353	0.275	
	6	0.7465	0.95	0.2353	0.275	
	7	0.7474	0.95	0.2353	0.2749	
	8	0.7528	0.95	0.2353	0.2756	
	9	0.7476	0.95	0.2353	0.2752	
	10	0.7451	0.95	0.2354	0.2752	

	test	Negative selection	0.186	9.895	SRV+Double	
	test	Negative selection	0.226	89.906	SRV+Double	
	test	Negative selection	0.177	9.895	SRV+Double	
	test	Negative selection	0.216	89.906	SRV+Double	
	reference	Diversifying selection	0.203	0.203	SRV+Double	
	reference	Negative selection	0.186	9.486	SRV+Double	
	reference	Negative selection	0.215	90.311	SRV+Double	
	test	Diversifying selection	4.588	0.203	SRV+Double	
	test	Negative selection	0.186	9.486	SRV+Double	
	test	Negative selection	0.215	90.311	SRV+Double	
	reference	Diversifying selection	4.282	0.209	SRV+Double	
	reference	Negative selection	0.183	36.431	SRV+Double	
	reference	Negative selection	0.229	63.361	SRV+Double	
	test	Diversifying selection	4.091	0.209	SRV+Double	
	test	Diversifying selection	4.282	0.209	SRV+Double	
	test	Negative selection	0.193	36.431	SRV+Double	
	test	Negative selection	0.239	63.361	SRV+Double	
	test	Negative selection	0.183	36.431	SRV+Double	
	test	Negative selection	0.229	63.361	SRV+Double	
	reference	Diversifying selection	4.435	0.215	SRV+Double	
	reference	Negative selection	0.199	35.478	SRV+Double	
	reference	Negative selection	0.219	64.307	SRV+Double	
	test	Diversifying selection	4.435	0.215	SRV+Double	
	test	Negative selection	0.199	35.478	SRV+Double	
	test	Negative selection	0.219	64.307	SRV+Double	
	reference	Diversifying selection	4.395	0.198	SRV+Double	
	reference	Negative selection	0.178	9.406	SRV+Double	
	reference	Negative selection	0.216	90.396	SRV+Double	
	test	Diversifying selection	4.197	0.198	SRV+Double	
	test	Diversifying selection	4.395	0.198	SRV+Double	
	test	Negative selection	0.188	9.406	SRV+Double	
	test	Negative selection	0.226	90.396	SRV+Double	
	test	Negative selection	0.178	9.406	SRV+Double	
	test	Negative selection	0.216	90.396	SRV+Double	
	reference	Diversifying selection	4.601	0.201	SRV+Double	
	reference	Negative selection	0.189	8.931	SRV+Double	
	reference	Negative selection	0.215	90.868	SRV+Double	
	test	Diversifying selection	4.601	0.201	SRV+Double	
	test	Negative selection	0.189	8.931	SRV+Double	
	test	Negative selection	0.215	90.868	SRV+Double	
	reference	Diversifying selection	4.359	0.202	SRV+Double	
	reference	Negative selection	0.18	12.688	SRV+Double	
	reference	Negative selection	0.217	87.11	SRV+Double	
	test	Diversifying selection	4.161	0.202	SRV+Double	
	test	Diversifying selection	4.359	0.202	SRV+Double	
	test	Negative selection	0.19	12.688	SRV+Double	
	test	Negative selection	0.227	87.11	SRV+Double	
	test	Negative selection	0.18	12.688	SRV+Double	
	test	Negative selection	0.217	87.11	SRV+Double	
	reference	Diversifying selection	4.553	0.204	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.117	8.312	SRV	
	2	0.862	82.599	SRV	
	3	3.059	9.09	SRV	
	1	0.119	8.4	SRV	
	2	0.864	82.541	SRV	
	3	3.06	9.058	SRV	
	1	0.117	8.319	SRV	
	2	0.863	82.604	SRV	
	3	3.058	9.077	SRV	
	1	0.118	8.36	SRV	
	2	0.863	82.571	SRV	
	3	3.06	9.069	SRV	
	1	0.117	8.299	SRV	
	2	0.862	82.609	SRV	
	3	3.058	9.092	SRV	
	1	0.118	8.335	SRV	
	2	0.863	82.588	SRV	
	3	3.057	9.077	SRV	
	1	0.118	8.339	SRV	
	2	0.863	82.592	SRV	
	3	3.059	9.069	SRV	
	1	0.121	8.48	SRV	
	2	0.864	82.478	SRV	
	3	3.062	9.042	SRV	
	1	0.121	8.459	SRV	
	2	0.864	82.495	SRV	
	3	3.062	9.046	SRV	
	1	0.119	8.414	SRV	
	2	0.863	82.527	SRV	
	3	3.061	9.059	SRV	

	test	3H	0.982	SRV+Double+Triple	
	reference	2H	0.0595	SRV+Double+Triple	
	reference	2H	0.06	SRV+Double+Triple	
	reference	3H	0.0189	SRV+Double+Triple	
	reference	3H	0.0193	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	1.0475	SRV+Double+Triple	
	test	3H	0.9826	SRV+Double+Triple	
	reference	2H	0.1084	SRV+Double+Triple	
	reference	2H	0.0598	SRV+Double+Triple	
	reference	3H	0.1834	SRV+Double+Triple	
	reference	3H	0.0184	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.9864	SRV+Double+Triple	
	reference	2H	0.0594	SRV+Double+Triple	
	reference	2H	0.06	SRV+Double+Triple	
	reference	3H	0.0184	SRV+Double+Triple	
	reference	3H	0.0188	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	1.049	SRV+Double+Triple	
	test	3H	0.9849	SRV+Double+Triple	
	reference	2H	0.1038	SRV+Double+Triple	
	reference	2H	0.0598	SRV+Double+Triple	
	reference	3H	0.1781	SRV+Double+Triple	
	reference	3H	0.0187	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.9817	SRV+Double+Triple	
	reference	2H	0.0593	SRV+Double+Triple	
	reference	2H	0.0599	SRV+Double+Triple	
	reference	3H	0.0184	SRV+Double+Triple	
	reference	3H	0.0188	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	1.0458	SRV+Double+Triple	
	test	3H	0.9827	SRV+Double+Triple	
	reference	2H	0.0995	SRV+Double+Triple	
	reference	2H	0.0597	SRV+Double+Triple	
	reference	3H	0.1737	SRV+Double+Triple	
	reference	3H	0.0187	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.9813	SRV+Double+Triple	
	reference	2H	0.0593	SRV+Double+Triple	
	reference	2H	0.0599	SRV+Double+Triple	
	reference	3H	0.0185	SRV+Double+Triple	
	reference	3H	0.019	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	1.046	SRV+Double+Triple	
	test	3H	0.9827	SRV+Double+Triple	
	reference	2H	0.1064	SRV+Double+Triple	
	reference	2H	0.0597	SRV+Double+Triple	
	reference	3H	0.1832	SRV+Double+Triple	