RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple
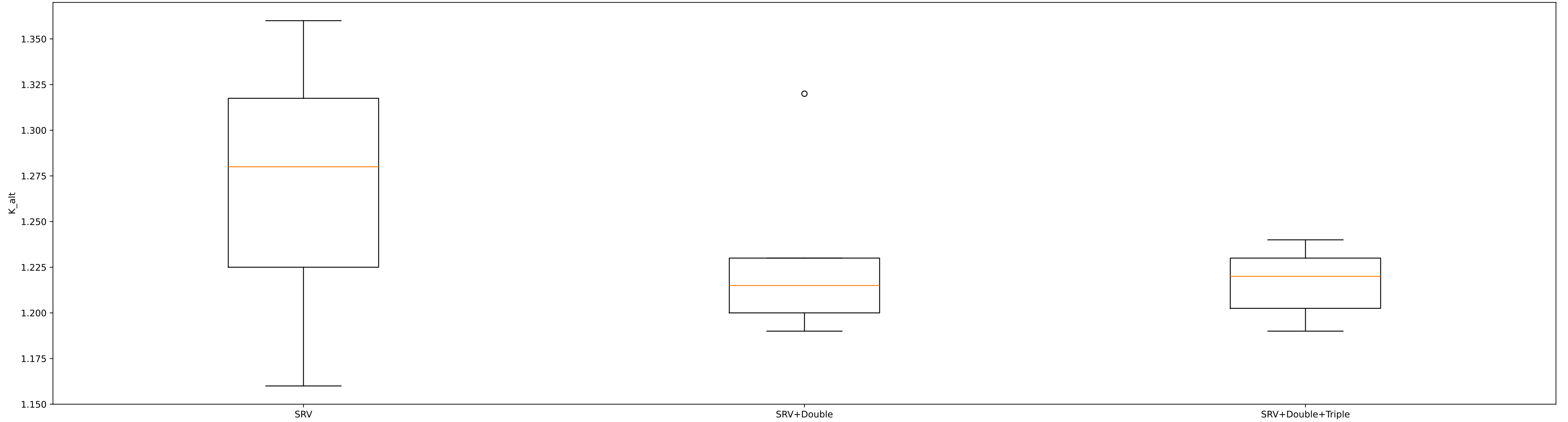
Includes:

- Run-type summary

- Boxplots: K, p-values, 2H/3H

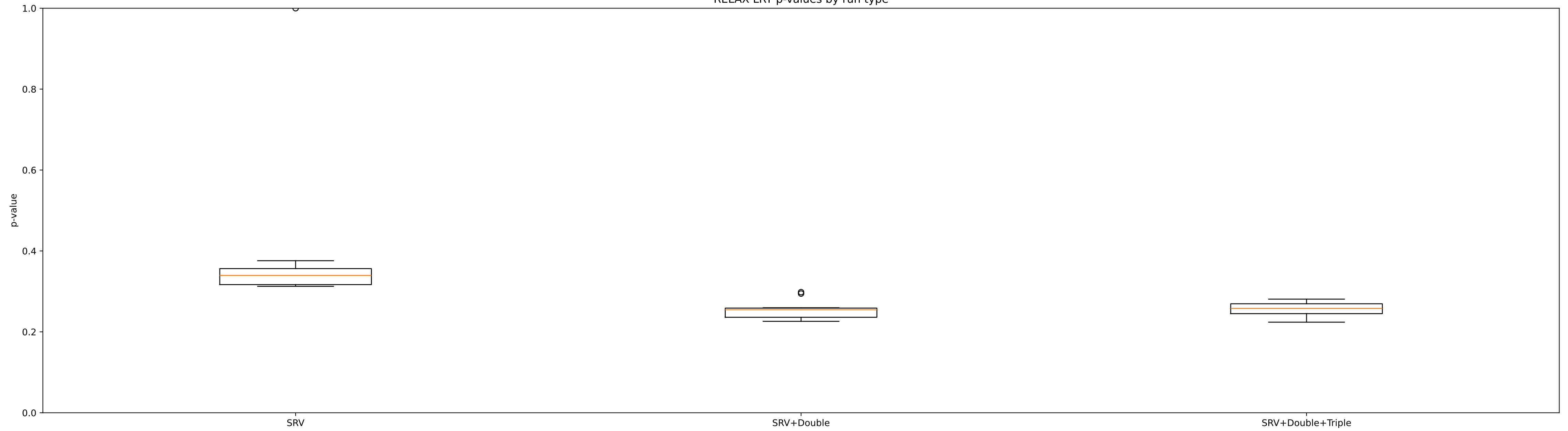- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

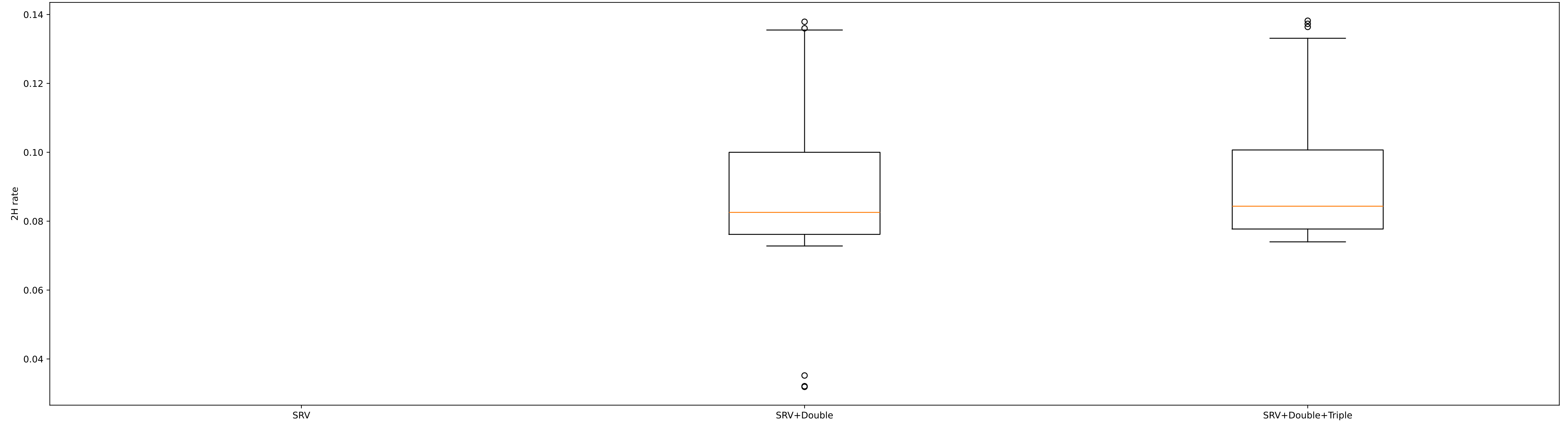| p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_median	omega_test_median	warnings_count	2H_reference_median	2H_test_median
0.3394	0.3125	1.0	1.28	1.16	1.36	0.206	0.1696	10	nan	nan
0.2547	0.226	0.2981	1.215	1.19	1.32	0.206	0.1697	10	0.0826	0.1762
0.258	0.2239	0.2809	1.22	1.19	1.24	0.206	0.1697	10	0.0844	0.1794

K (alternative) by run type

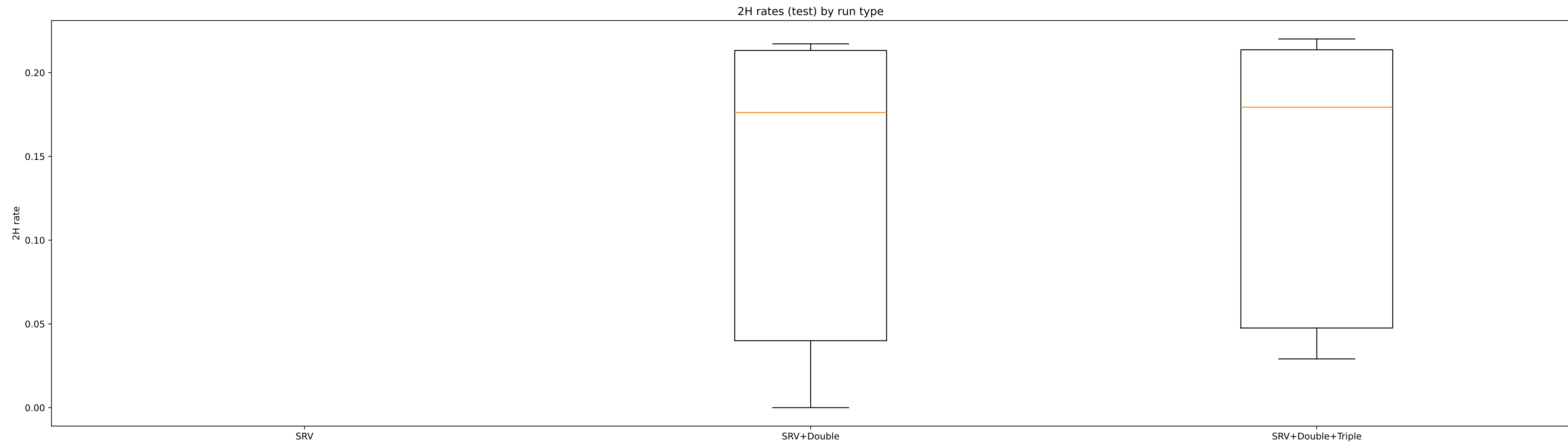RELAX LRT p-values by run type

2H rates (reference) by run type

2H rates (test) 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	0.3125	1.24	0.206	0.1697	
	2	0.3228	1.19	0.206	0.1697	
	3	0.3142	1.27	0.2061	0.1695	
	4	0.3758	1.32	0.206	0.1697	
	5	0.337	1.36	0.2061	0.1694	
	6	0.3431	1.31	0.2061	0.1694	
	7	0.3607	1.34	0.206	0.1695	
	8	1.0	1.16	0.2061	0.1695	
	9	0.3418	1.29	0.206	0.1697	
	10	0.3147	1.22	0.206	0.1697	

	replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.2548	1.19	0.206	0.1697	
	2		0.2561	1.2	0.2061	0.1695	
	3		0.2946	1.32	0.206	0.1697	
	4		0.226	1.22	0.206	0.1697	
	5		0.2357	1.23	0.206	0.1697	
	6		0.2353	1.23	0.206	0.1697	
	7		0.2595	1.21	0.206	0.1697	
	8		0.2369	1.23	0.206	0.1697	
	9		0.2981	1.2	0.2061	0.1695	
	10		0.2545	1.2	0.2061	0.1695	

	replicate	global_dNdS_reference	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.2616	1.23	0.2061	0.1695	
	2		0.2598	1.24	0.206	0.1697	
	3		0.2797	1.2	0.206	0.1697	
	4		0.2239	1.19	0.206	0.1697	
	5		0.2448	1.23	0.206	0.1697	
	6		0.2809	1.21	0.206	0.1697	
	7		0.2562	1.24	0.206	0.1697	
	8		0.2455	1.19	0.206	0.1697	
	9		0.272	1.21	0.2061	0.1696	
	10		0.2361	1.23	0.206	0.1697	

Ω-class distributions (all) (cols 1-7/7)

test	Negative selection		0.189	74.107		SRV+Double
test	Negative selection		0.0	25.893		SRV+Double
test	Negative selection		0.256	74.107		SRV+Double
reference	Negative selection		0.0	45.154		SRV+Double
reference	Negative selection		0.294	51.148		SRV+Double
reference	Neutral evolution		1.0	3.698		SRV+Double
test	Negative selection		0.0	45.154		SRV+Double
test	Negative selection		0.294	51.148		SRV+Double
test	Neutral evolution		1.0	3.698		SRV+Double
reference	Diversifying selection		1.008	0.0		SRV+Double
reference	Negative selection		0.0	26.813		SRV+Double
reference	Negative selection		0.26	73.187		SRV+Double
test	Diversifying selection		1.01	0.0		SRV+Double
test	Diversifying selection		1.008	0.0		SRV+Double
test	Negative selection		0.0	26.813		SRV+Double
test	Negative selection		0.192	73.187		SRV+Double
test	Negative selection		0.0	26.813		SRV+Double
test	Negative selection		0.26	73.187		SRV+Double
reference	Negative selection		0.0	50.031		SRV+Double
reference	Negative selection		0.337	47.092		SRV+Double
reference	Neutral evolution		1.0	2.877		SRV+Double
test	Negative selection		0.0	50.031		SRV+Double
test	Negative selection		0.337	47.092		SRV+Double
test	Neutral evolution		1.0	2.877		SRV+Double
reference	Diversifying selection		1.005	0.0		SRV+Double
reference	Negative selection		0.0	28.593		SRV+Double
reference	Negative selection		0.266	71.407		SRV+Double
test	Diversifying selection		1.006	0.0		SRV+Double
test	Diversifying selection		1.005	0.0		SRV+Double
test	Negative selection		0.0	28.593		SRV+Double
test	Negative selection		0.197	71.407		SRV+Double
test	Negative selection		0.0	28.593		SRV+Double
test	Negative selection		0.266	71.407		SRV+Double
reference	Negative selection		0.0	50.221		SRV+Double
reference	Negative selection		0.341	47.007		SRV+Double
reference	Neutral evolution		1.0	2.772		SRV+Double
test	Negative selection		0.0	50.221		SRV+Double
test	Negative selection		0.341	47.007		SRV+Double
test	Neutral evolution		1.0	2.772		SRV+Double
reference	Diversifying selection		1.008	0.0		SRV+Double
reference	Negative selection		0.084	68.086		SRV+Double
reference	Negative selection		0.424	31.914		SRV+Double
test	Diversifying selection		1.01	0.0		SRV+Double
test	Diversifying selection		1.008	0.0		SRV+Double
test	Negative selection		0.05	68.086		SRV+Double
test	Negative selection		0.355	31.914		SRV+Double
test	Negative selection		0.084	68.086		SRV+Double
test	Negative selection		0.424	31.914		SRV+Double
reference	Diversifying selection		1.539	0.0		SRV+Double

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	21.456	SRV	
	2	0.877	52.397	SRV	
	3	2.067	26.147	SRV	
	1	0.012	22.776	SRV	
	2	0.916	52.312	SRV	
	3	2.08	24.912	SRV	
	1	0.0	21.354	SRV	
	2	0.869	51.996	SRV	
	3	2.056	26.65	SRV	
	1	0.0	20.736	SRV	
	2	0.824	49.897	SRV	
	3	2.006	29.368	SRV	
	1	0.097	29.086	SRV	
	2	0.964	42.732	SRV	
	3	1.986	28.182	SRV	
	1	0.0	21.023	SRV	
	2	0.834	49.603	SRV	
	3	1.996	29.373	SRV	
	1	0.0	20.864	SRV	
	2	0.833	50.365	SRV	
	3	2.018	28.77	SRV	
	1	0.0	21.941	SRV	
	2	0.923	55.483	SRV	
	3	2.162	22.576	SRV	
	1	0.0	20.881	SRV	
	2	0.825	49.3	SRV	
	3	1.989	29.819	SRV	
	1	0.0	21.515	SRV	
	2	0.882	52.615	SRV	
	3	2.073	25.87	SRV	

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

	test	2H	0.1543	SRV+Double	
	reference	2H	0.0751	SRV+Double	
	reference	2H	0.0817	SRV+Double	
	test	2H	0.0374	SRV+Double	
	test	2H	0.2133	SRV+Double	
	reference	2H	0.1331	SRV+Double+Triple	
	reference	2H	0.0911	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1883	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0757	SRV+Double+Triple	
	reference	2H	0.0763	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0371	SRV+Double+Triple	
	test	2H	0.2142	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1247	SRV+Double+Triple	
	reference	2H	0.0875	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1751	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0773	SRV+Double+Triple	
	reference	2H	0.0767	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0425	SRV+Double+Triple	
	test	2H	0.214	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1373	SRV+Double+Triple	
	reference	2H	0.094	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.1817	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0745	SRV+Double+Triple	
	reference	2H	0.0795	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0321	SRV+Double+Triple	
	test	2H	0.218	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1364	SRV+Double+Triple	
	reference	2H	0.1005	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.207	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0775	SRV+Double+Triple	
	reference	2H	0.0863	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0495	SRV+Double+Triple	
	test	2H	0.2201	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1238	SRV+Double+Triple	