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
0.299	0.2913	0.3033	1.425	1.42	1.45	0.2301	0.1242	10	nan	nan
0.2964	0.2896	0.3032	1.43	1.42	1.46	0.2301	0.1242	10	0.0	0.0
0.2978	0.2897	0.3037	1.43	1.42	1.46	0.2301	0.1242	10	0.0	0.0

K (alternative) by run type

RELAX LRT p-values by run type
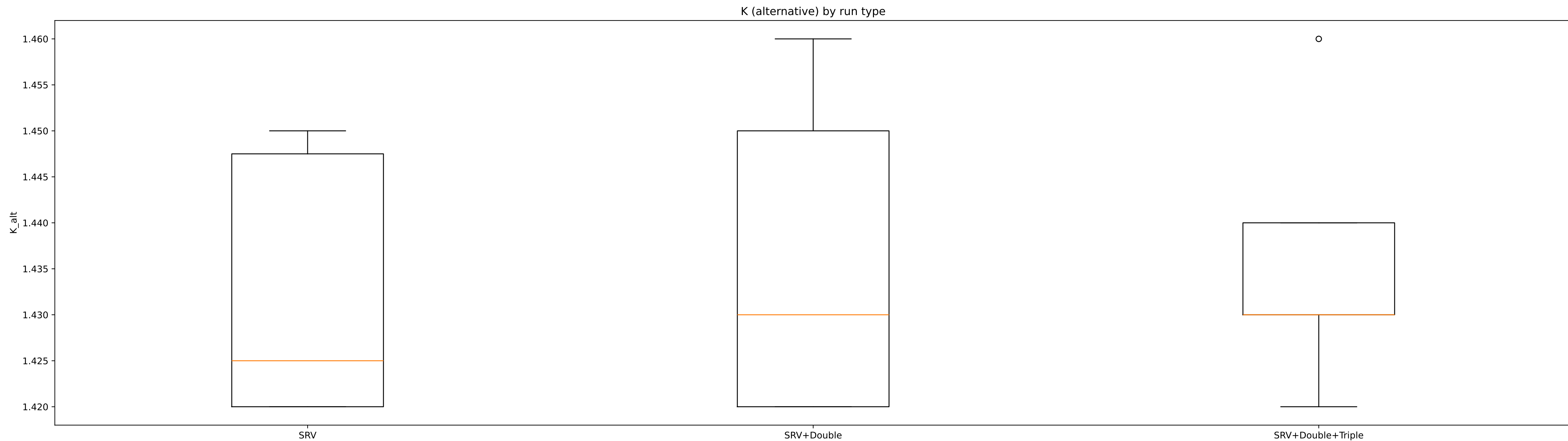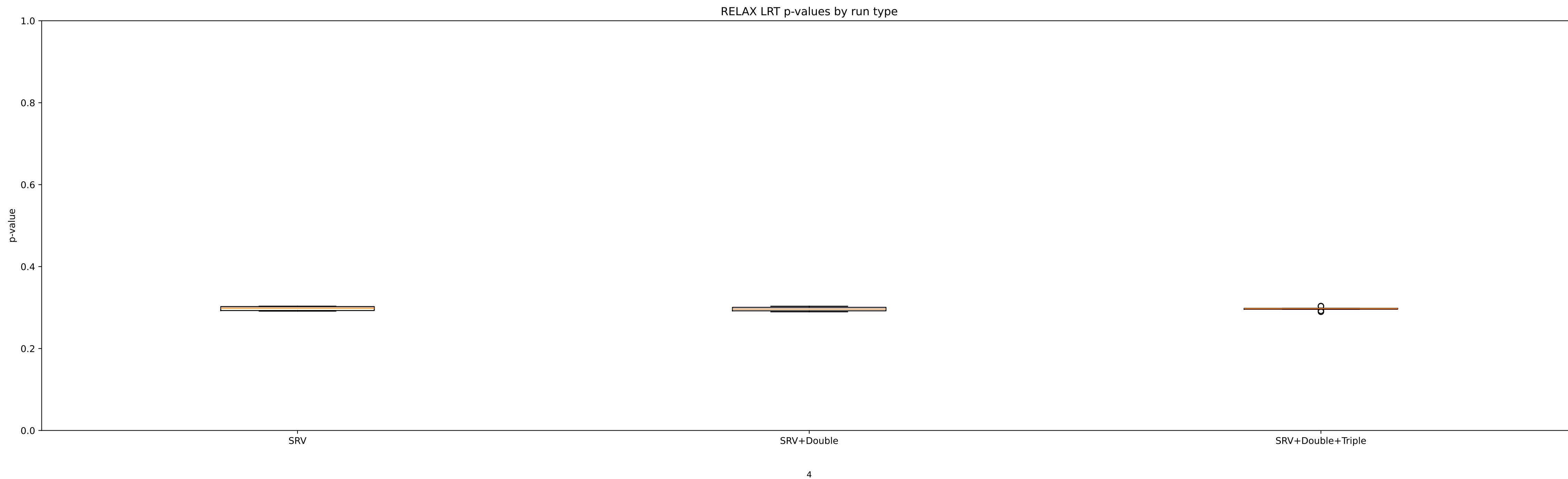
2H rates (reference) by run type

2H rates (test) by run type
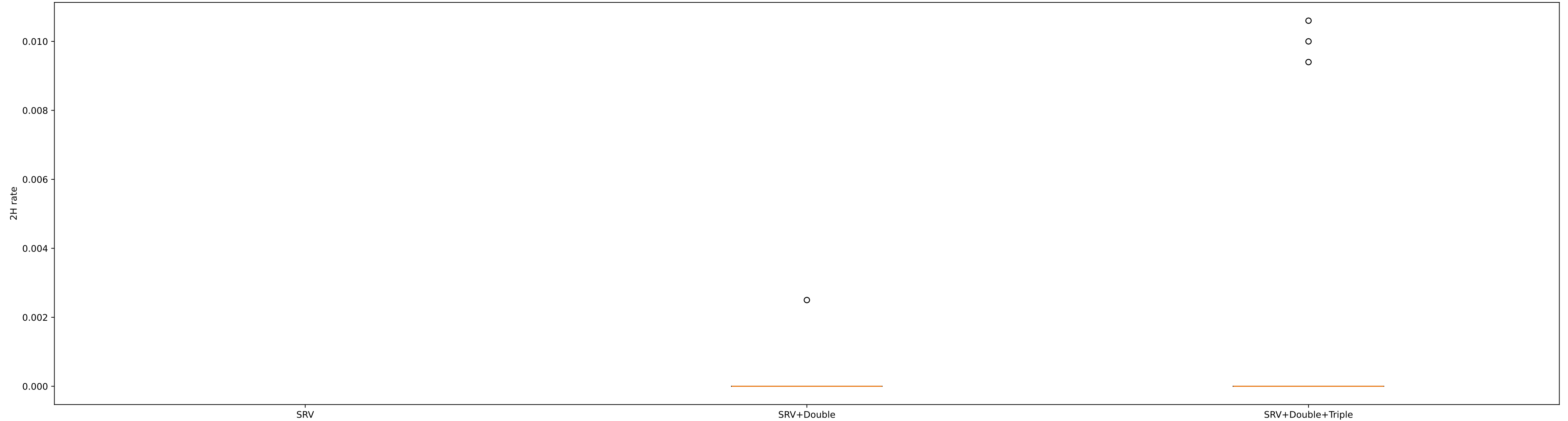
3H rates (reference) by run type

3H rates (test) by run type
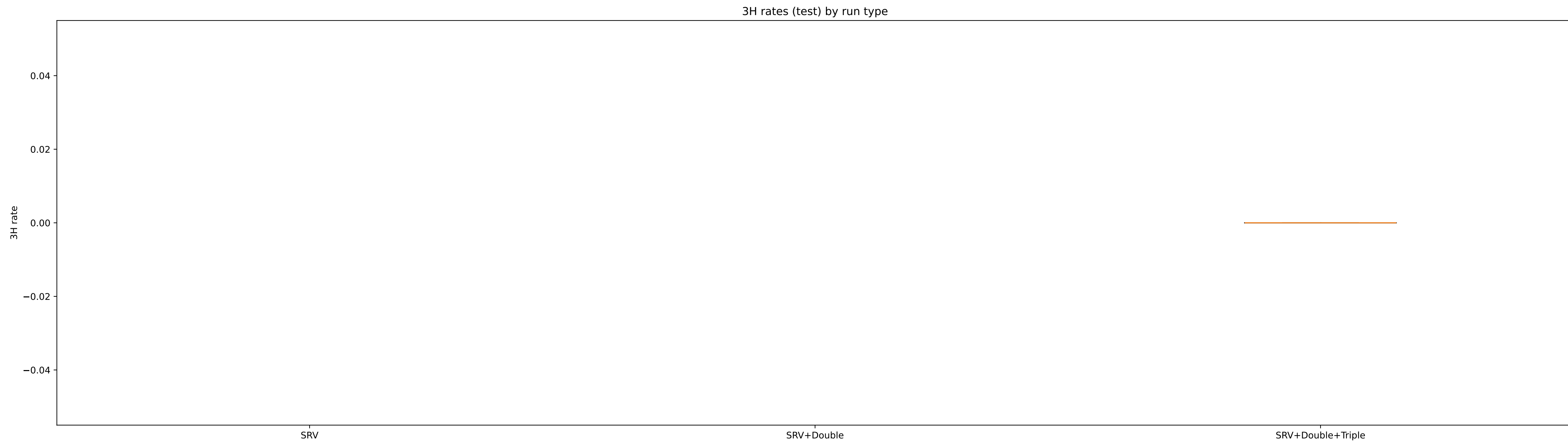
	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3033	1.42	0.2301	0.1242	
	2	0.2921	1.45	0.2301	0.1242	
	3	0.2913	1.45	0.2301	0.1242	
	4	0.303	1.42	0.2301	0.1242	
	5	0.3002	1.42	0.2301	0.1242	
	6	0.3023	1.42	0.2301	0.1242	
	7	0.2947	1.44	0.2301	0.1242	
	8	0.2917	1.45	0.2301	0.1242	
	9	0.3024	1.42	0.2301	0.1242	
	10	0.2977	1.43	0.2301	0.1242	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.2896	1.46	0.2301	0.1242	
2	0.2941	1.44	0.2301	0.1242	
3	0.2999	1.42	0.2301	0.1242	
4	0.293	1.45	0.2301	0.1242	
5	0.2988	1.42	0.2301	0.1242	
6	0.2905	1.45	0.2301	0.1242	
7	0.3007	1.42	0.2301	0.1242	
8	0.3008	1.42	0.2301	0.1242	
9	0.2917	1.46	0.2301	0.1242	
10	0.3032	1.42	0.2301	0.1242	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2966	1.44	0.2301	0.1242	
	2	0.3031	1.42	0.2301	0.1242	
	3	0.2897	1.46	0.2301	0.1242	
	4	0.2983	1.43	0.2301	0.1242	
	5	0.298	1.43	0.2301	0.1242	
	6	0.2958	1.44	0.2301	0.1242	
	7	0.2978	1.43	0.2301	0.1242	
	8	0.3037	1.42	0.2301	0.1242	
	9	0.2923	1.44	0.2301	0.1242	
	10	0.2979	1.43	0.2301	0.1242	

test	Negative selection	0.042	55.427	SRV+Double	
test	Negative selection	0.219	44.573	SRV+Double	
test	Negative selection	0.113	55.427	SRV+Double	
test	Negative selection	0.351	44.573	SRV+Double	
reference	Diversifying selection	0.00	0.0	SRV+Double	
reference	Negative selection	0.111	55.258	SRV+Double	
reference	Negative selection	0.341	44.742	SRV+Double	
test	Diversifying selection	2.122	0.0	SRV+Double	
test	Negative selection	0.111	55.258	SRV+Double	
test	Negative selection	0.341	44.742	SRV+Double	
reference	Negative selection	0.087	21.325	SRV+Double	
reference	Negative selection	0.238	77.07	SRV+Double	
reference	Neutral evolution	1.0	1.605	SRV+Double	
test	Negative selection	0.031	21.325	SRV+Double	
test	Negative selection	0.13	77.07	SRV+Double	
test	Negative selection	0.087	21.325	SRV+Double	
test	Negative selection	0.238	77.07	SRV+Double	
test	Neutral evolution	1.0	1.605	SRV+Double	
test	Neutral evolution	1.0	1.605	SRV+Double	
reference	Diversifying selection	1.091	1.525	SRV+Double	
reference	Negative selection	0.086	22.513	SRV+Double	
reference	Negative selection	0.234	75.962	SRV+Double	
test	Diversifying selection	1.091	1.525	SRV+Double	
test	Negative selection	0.086	22.513	SRV+Double	
test	Negative selection	0.234	75.962	SRV+Double	
reference	Diversifying selection	1.006	0.0	SRV+Double	
reference	Negative selection	0.047	29.761	SRV+Double	
reference	Negative selection	0.291	70.239	SRV+Double	
test	Diversifying selection	1.008	0.0	SRV+Double	
test	Diversifying selection	1.006	0.0	SRV+Double	
test	Negative selection	0.012	29.761	SRV+Double	
test	Negative selection	0.166	70.239	SRV+Double	
test	Negative selection	0.047	29.761	SRV+Double	
test	Negative selection	0.291	70.239	SRV+Double	
reference	Diversifying selection	2.094	0.0	SRV+Double	
reference	Negative selection	0.049	29.744	SRV+Double	
reference	Negative selection	0.283	70.256	SRV+Double	
test	Diversifying selection	2.094	0.0	SRV+Double	
test	Negative selection	0.049	29.744	SRV+Double	
test	Negative selection	0.283	70.256	SRV+Double	
reference	Negative selection	0.158	52.874	SRV+Double	
reference	Negative selection	0.257	45.293	SRV+Double	
reference	Neutral evolution	1.0	1.834	SRV+Double	
test	Negative selection	0.073	52.874	SRV+Double	
test	Negative selection	0.146	45.293	SRV+Double	
test	Negative selection	0.158	52.874	SRV+Double	
test	Negative selection	0.257	45.293	SRV+Double	
test	Neutral evolution	1.0	1.834	SRV+Double	
test	Neutral evolution	1.0	1.834	SRV+Double	
reference	Diversifying selection	1.122	1.687	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	19.853	SRV	
	2	0.998	74.98	SRV	
	3	4.866	5.167	SRV	
	1	0.0	19.379	SRV	
	2	0.982	74.982	SRV	
	3	4.676	5.64	SRV	
	1	0.0	19.341	SRV	
	2	0.981	74.999	SRV	
	3	4.668	5.66	SRV	
	1	0.0	19.886	SRV	
	2	0.999	74.937	SRV	
	3	4.856	5.178	SRV	
	1	0.0	19.654	SRV	
	2	0.993	75.025	SRV	
	3	4.798	5.321	SRV	
	1	0.0	19.827	SRV	
	2	0.998	74.99	SRV	
	3	4.86	5.183	SRV	
	1	0.0	19.627	SRV	
	2	0.99	74.962	SRV	
	3	4.764	5.411	SRV	
	1	0.0	19.32	SRV	
	2	0.98	75.025	SRV	
	3	4.677	5.655	SRV	
	1	0.0	19.808	SRV	
	2	0.997	74.969	SRV	
	3	4.839	5.223	SRV	
	1	0.32	45.353	SRV	
	2	1.244	49.769	SRV	
	3	4.834	4.878	SRV	

			Multihit (2H/3H) rates (all) (cols 1-6/6)		
	reference	2H	0.0	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	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	0.0	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	0.0	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	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0094	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	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	0.0	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	0.0	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	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.01	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.0	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	0.0	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	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	