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
0.7324	0.4801	0.9233	0.75	0.75	5.43	0.309	0.4144	10	nan	nan
0.7335	0.7322	1.0	0.75	0.75	50.0	0.309	0.4144	10	0.0	0.0
0.735	0.7322	1.0	0.75	0.75	0.98	0.309	0.4144	10	0.0	0.0

K (alternative) by run type

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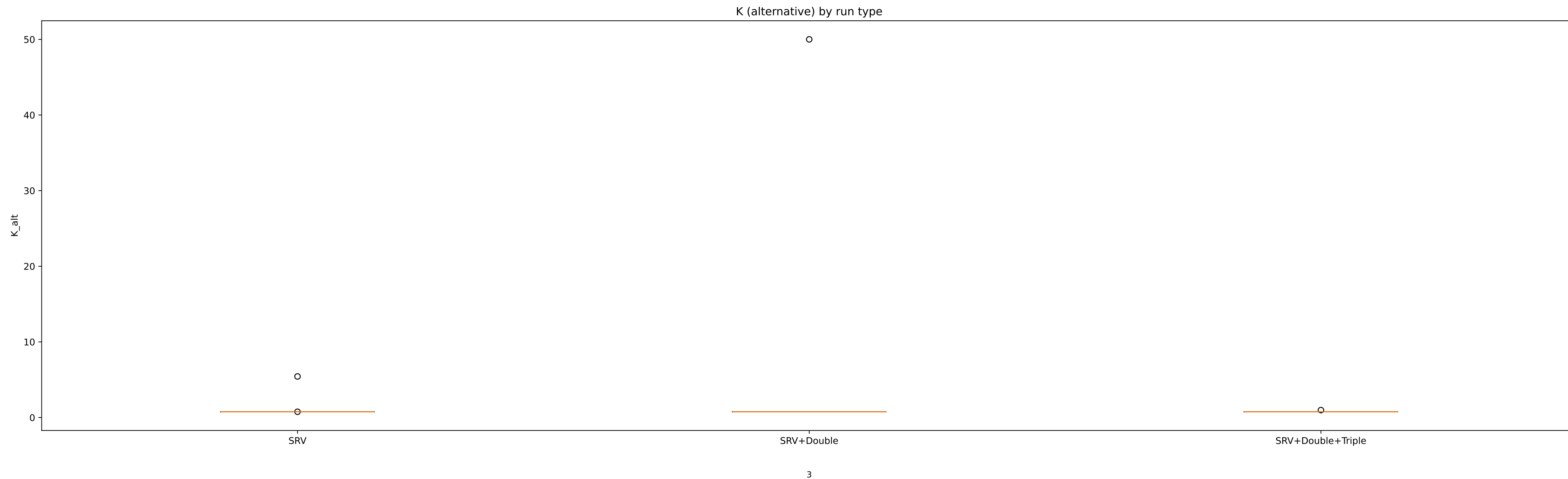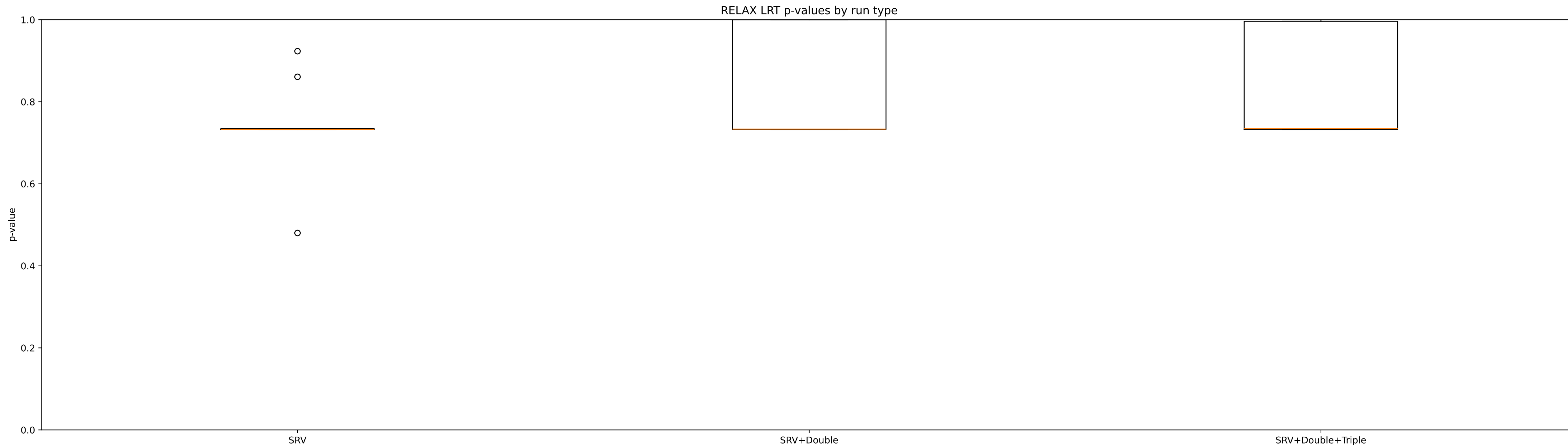
2H rates (reference) by run type

2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type
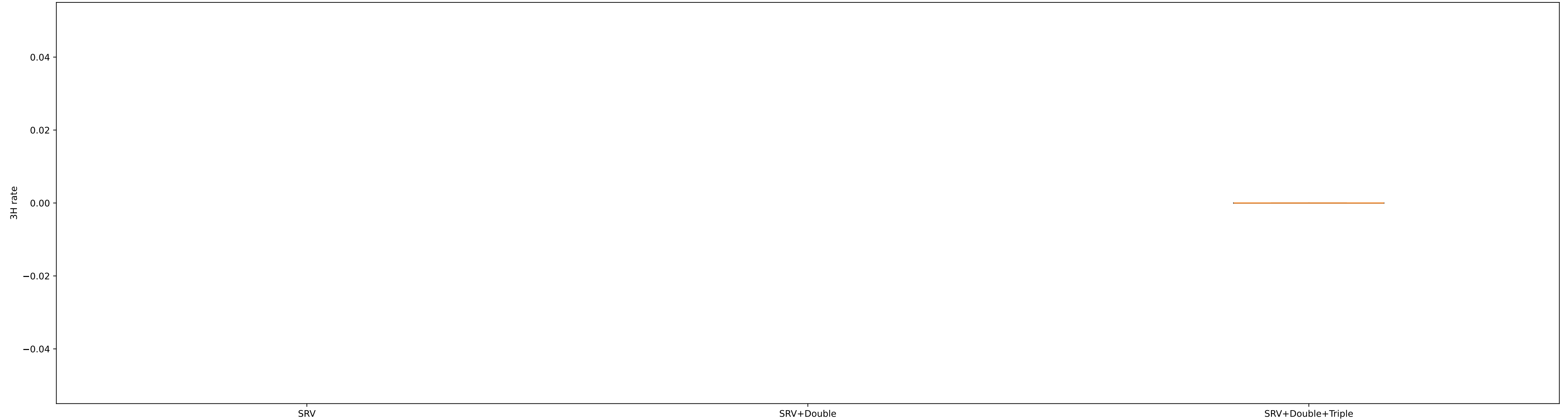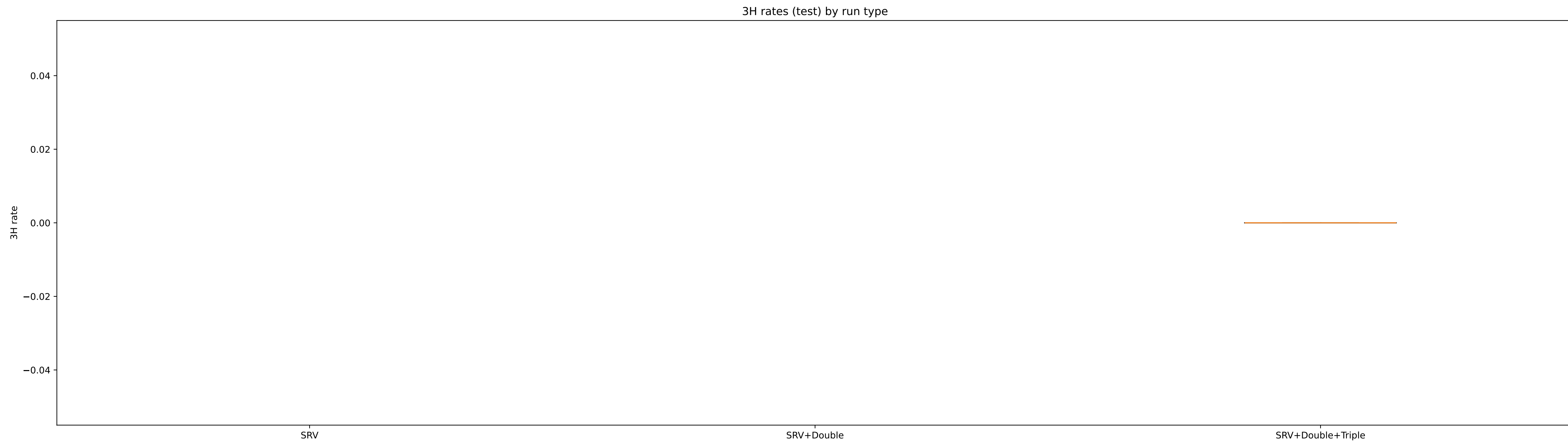
	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7324	0.75	0.309	0.4149	
	2	0.7323	0.75	0.309	0.4144	
	3	0.4801	5.43	0.309	0.4149	
	4	0.7322	0.75	0.309	0.4144	
	5	0.7343	0.75	0.309	0.4144	
	6	0.7342	0.75	0.309	0.4144	
	7	0.7323	0.75	0.309	0.4144	
	8	0.9233	0.75	0.309	0.4144	
	9	0.8609	0.76	0.309	0.4144	
	10	0.7323	0.75	0.309	0.4149	

	replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.7327	0.75	0.309	0.4144	
	2		1.0	0.76	0.309	0.4144	
	3		0.7322	0.75	0.309	0.4144	
	4		1.0	0.76	0.309	0.4144	
	5		0.7331	0.75	0.309	0.4149	
	6		1.0	0.75	0.309	0.4144	
	7		1.0	0.76	0.309	0.4144	
	8	0.4145	0.7339	0.75	0.3088	0.4145	
	9	0.4144	0.7322	50.0	0.309	0.4144	
	10		0.7325	0.75	0.309	0.4144	

replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1		0.7341	0.76	0.309	0.4144	
2	0.4144	0.7359	0.75	0.309	0.4144	
3	0.4144	0.7326	0.75	0.309	0.4144	
4	0.4144	1.0	0.75	0.309	0.4144	
5	0.4144	0.7323	0.75	0.309	0.4149	
6		0.7333	0.75	0.309	0.4144	
7		1.0	0.76	0.309	0.4144	
8	0.4144	0.9852	0.98	0.309	0.4144	
9	0.4144	1.0	0.76	0.309	0.4144	
10		0.7322	0.75	0.309	0.4144	

test	Negative selection	0.015	0.0		SRV+Double
test	Negative selection	0.404	100.0		SRV+Double
test	Negative selection	0.004	0.0		SRV+Double
test	Negative selection	0.302	100.0		SRV+Double
reference	Diversifying selection	0.015	0.0		SRV+Double
reference	Negative selection	0.003	0.0		SRV+Double
reference	Negative selection	0.31	100.0		SRV+Double
test	Diversifying selection	1.595	0.0		SRV+Double
test	Negative selection	0.003	0.0		SRV+Double
test	Negative selection	0.31	100.0		SRV+Double
reference	Diversifying selection	1.008	0.0		SRV+Double
reference	Negative selection	0.294	84.933		SRV+Double
reference	Negative selection	0.353	15.067		SRV+Double
test	Diversifying selection	1.006	0.0		SRV+Double
test	Diversifying selection	1.008	0.0		SRV+Double
test	Negative selection	0.397	84.933		SRV+Double
test	Negative selection	0.456	15.067		SRV+Double
test	Negative selection	0.294	84.933		SRV+Double
test	Negative selection	0.353	15.067		SRV+Double
reference	Diversifying selection	1.079	0.0		SRV+Double
reference	Negative selection	0.302	72.332		SRV+Double
reference	Negative selection	0.329	27.668		SRV+Double
test	Diversifying selection	1.079	0.0		SRV+Double
test	Negative selection	0.302	72.332		SRV+Double
test	Negative selection	0.329	27.668		SRV+Double
reference	Diversifying selection	1.004	0.0		SRV+Double
reference	Negative selection	0.006	0.0		SRV+Double
reference	Negative selection	0.302	100.0		SRV+Double
test	Diversifying selection	1.003	0.0		SRV+Double
test	Diversifying selection	1.004	0.0		SRV+Double
test	Negative selection	0.022	0.0		SRV+Double
test	Negative selection	0.405	100.0		SRV+Double
test	Negative selection	0.006	0.0		SRV+Double
test	Negative selection	0.302	100.0		SRV+Double
reference	Diversifying selection	1.089	0.0		SRV+Double
reference	Negative selection	0.005	0.0		SRV+Double
reference	Negative selection	0.31	100.0		SRV+Double
test	Diversifying selection	1.089	0.0		SRV+Double
test	Negative selection	0.005	0.0		SRV+Double
test	Negative selection	0.31	100.0		SRV+Double
reference	Diversifying selection	1.004	0.0		SRV+Double
reference	Negative selection	0.012	0.0		SRV+Double
reference	Negative selection	0.301	100.0		SRV+Double
test	Diversifying selection	1.003	0.0		SRV+Double
test	Diversifying selection	1.004	0.0		SRV+Double
test	Negative selection	0.034	0.0		SRV+Double
test	Negative selection	0.403	100.0		SRV+Double
test	Negative selection	0.012	0.0		SRV+Double
test	Negative selection	0.301	100.0		SRV+Double
reference	Diversifying selection	1.085			SRV+Double

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

class_id	syn_rate	proportion_per cent	run_type
1	0.175	0.0	SRV
2	0.591	93.221	SRV
3	6.629	6.779	SRV
1	0.044	0.0	SRV
2	0.59	93.173	SRV
3	6.602	6.827	SRV
1	0.588	93.11	SRV
2	6.515	0.811	SRV
3	6.572	6.079	SRV
1	0.208	0.0	SRV
2	0.589	93.125	SRV
3	6.572	6.875	SRV
1	0.066	0.0	SRV
2	0.588	93.114	SRV
3	6.568	6.886	SRV
1	0.21	0.0	SRV
2	0.589	93.14	SRV
3	6.581	6.86	SRV
1	0.588	93.102	SRV
2	6.552	4.547	SRV
3	6.573	2.351	SRV
1	0.003	0.0	SRV
2	0.334	83.612	SRV
3	4.397	16.388	SRV
1	0.0	0.0	SRV
2	0.277	80.773	SRV
3	4.038	19.227	SRV
1	0.363	10.933	SRV
2	0.619	82.147	SRV
3	6.533	6.921	SRV

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

test	2H	0.0	SRV+Double		
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	0.0	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	0.0	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		