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
0.8924	0.888	1.0	0.93	0.67	0.94	0.3086	0.3391	10	nan	nan
0.9444	0.888	1.0	0.93	0.93	0.94	0.3086	0.3391	10	0.0	0.0
0.889	0.8881	1.0	0.93	0.74	1.2	0.3086	0.3391	10	0.0	0.0

K (alternative) by run type

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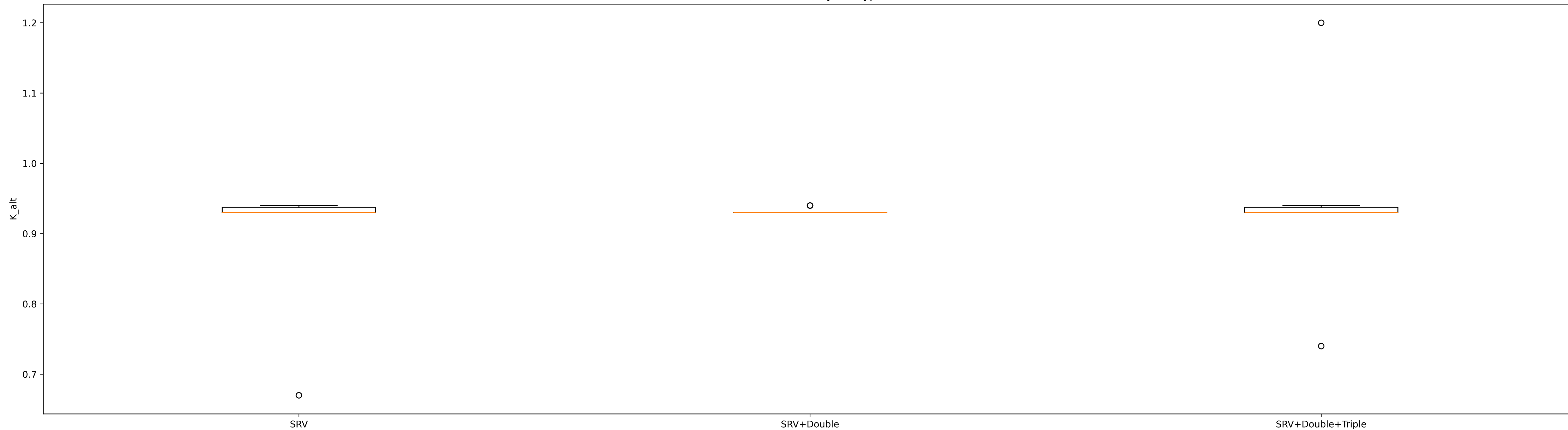
2H rates (reference) by run type

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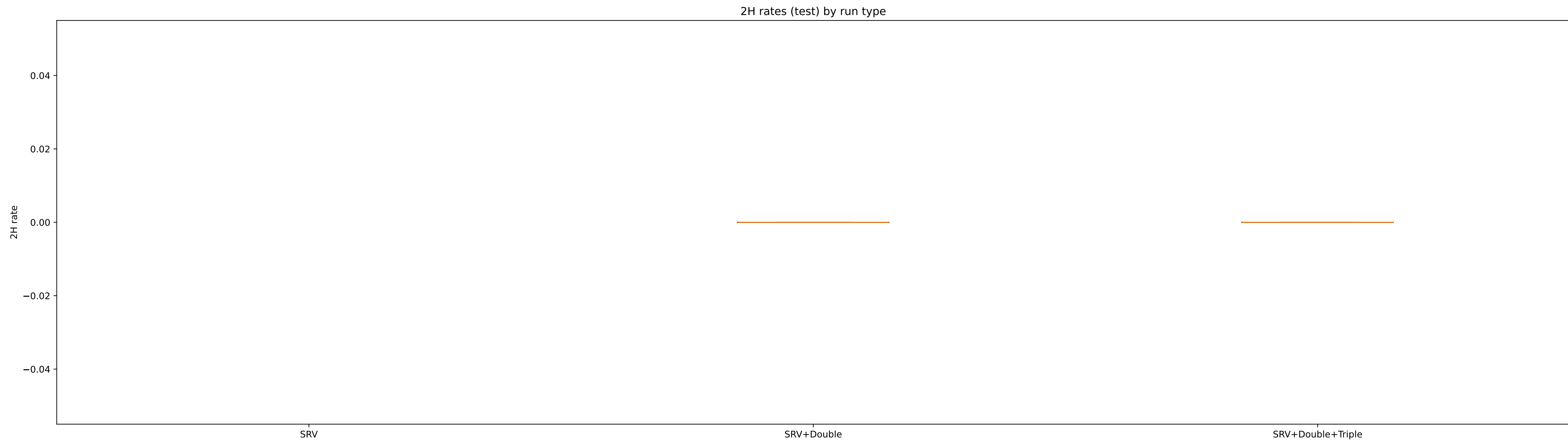
3H rates (reference) by run type

3H rates (test) by run type
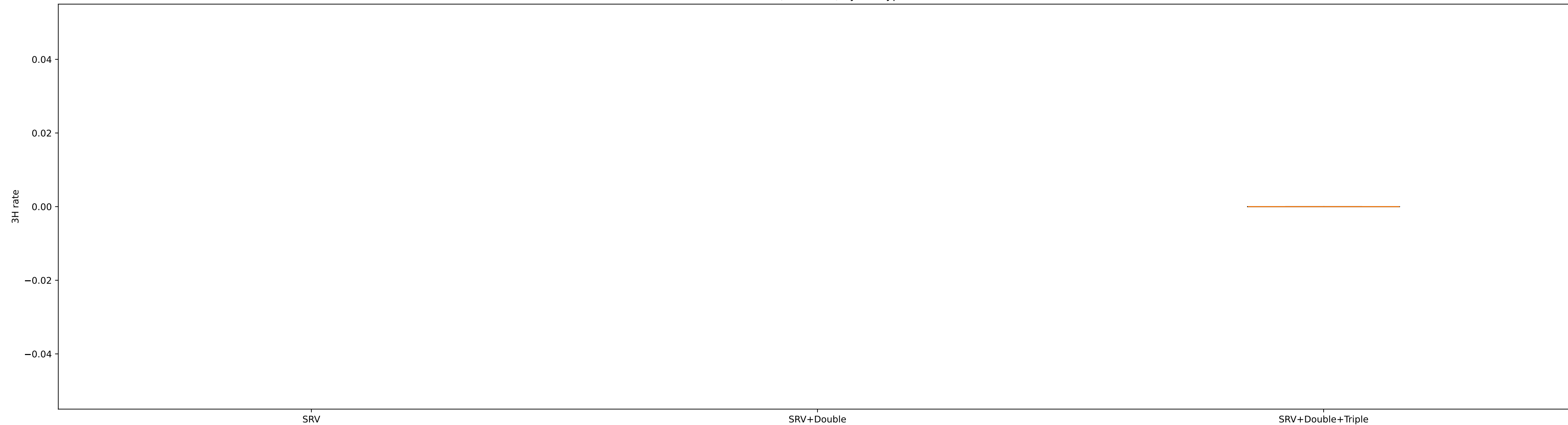
3H rate

SRV   SRV+Double   SRV+Double+Triple
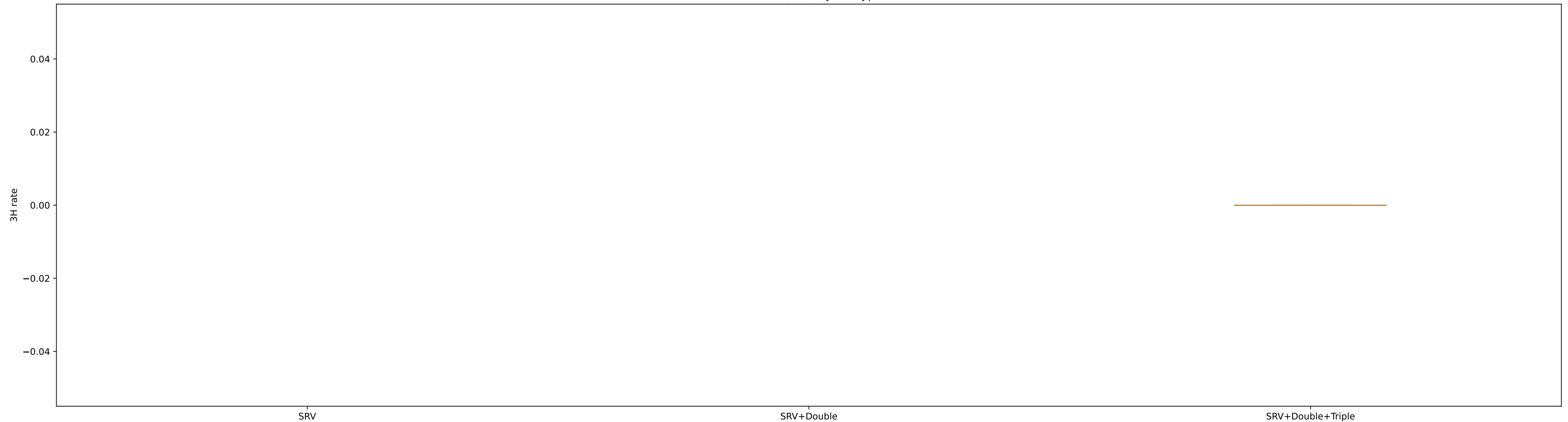
replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.8883	0.94	0.3086	0.3391	
2	1.0	0.93	0.3086	0.3391	
3	0.8935	0.93	0.3086	0.3391	
4	1.0	0.93	0.3086	0.3391	
5	0.8936	0.93	0.3086	0.3391	
6	1.0	0.67	0.3086	0.3391	
7	0.8905	0.93	0.3086	0.3391	
8	0.8908	0.93	0.3087	0.3387	
9	0.888	0.94	0.3087	0.3387	
10	0.8913	0.94	0.3087	0.3387	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.8882	0.93	0.3087	0.3387	
	2	0.8889	0.93	0.3086	0.3391	
	3	1.0	0.93	0.3086	0.3391	
	4	1.0	0.93	0.3086	0.3391	
	5	0.888	0.94	0.3086	0.3391	
	6	1.0	0.93	0.3086	0.3391	
	7	0.888	0.94	0.3087	0.3387	
	8	1.0	0.93	0.3086	0.3391	
	9	1.0	0.93	0.3086	0.3391	
	10	0.8886	0.93	0.3086	0.3391	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.8888	0.93	0.3086	0.3391	
	2	0.8891	0.93	0.3086	0.3391	
	3	0.889	0.93	0.3086	0.3391	
	4	0.9072	0.93	0.3086	0.3391	
	5	0.8909	1.2	0.3086	0.3391	
	6	1.0	0.74	0.3086	0.3391	
	7	0.8881	0.94	0.3086	0.3391	
	8	0.8883	0.94	0.3087	0.3387	
	9	0.8891	0.93	0.3087	0.3389	
	10	0.8885	0.93	0.3086	0.3391	

test	Negative selection	0.016	0.0	SRV+Double
test	Negative selection	0.327	100.0	SRV+Double
test	Negative selection	0.012	0.0	SRV+Double
test	Negative selection	0.303	100.0	SRV+Double
reference	Diversifying selection	0.045	0.0	SRV+Double
reference	Negative selection	0.18	0.0	SRV+Double
reference	Negative selection	0.31	100.0	SRV+Double
test	Diversifying selection	1.081	0.0	SRV+Double
test	Negative selection	0.18	0.0	SRV+Double
test	Negative selection	0.31	100.0	SRV+Double
reference	Diversifying selection	1.012	0.0	SRV+Double
reference	Negative selection	0.139	0.0	SRV+Double
reference	Negative selection	0.303	100.0	SRV+Double
test	Diversifying selection	1.011	0.0	SRV+Double
test	Diversifying selection	1.012	0.0	SRV+Double
test	Negative selection	0.158	0.0	SRV+Double
test	Negative selection	0.328	100.0	SRV+Double
test	Negative selection	0.139	0.0	SRV+Double
test	Negative selection	0.303	100.0	SRV+Double
reference	Diversifying selection	1.099	0.0	SRV+Double
reference	Negative selection	0.208	0.0	SRV+Double
reference	Negative selection	0.31	100.0	SRV+Double
test	Diversifying selection	1.099	0.0	SRV+Double
test	Negative selection	0.208	0.0	SRV+Double
test	Negative selection	0.31	100.0	SRV+Double
reference	Diversifying selection	1.444	0.0	SRV+Double
reference	Negative selection	0.265	36.128	SRV+Double
reference	Negative selection	0.323	63.872	SRV+Double
test	Diversifying selection	1.408	0.0	SRV+Double
test	Diversifying selection	1.444	0.0	SRV+Double
test	Negative selection	0.29	36.128	SRV+Double
test	Negative selection	0.349	63.872	SRV+Double
test	Negative selection	0.265	36.128	SRV+Double
test	Negative selection	0.323	63.872	SRV+Double
reference	Diversifying selection	1.181	0.0	SRV+Double
reference	Negative selection	0.282	37.243	SRV+Double
reference	Negative selection	0.325	62.757	SRV+Double
test	Diversifying selection	1.181	0.0	SRV+Double
test	Negative selection	0.282	37.243	SRV+Double
test	Negative selection	0.325	62.757	SRV+Double
reference	Diversifying selection	1.002	0.0	SRV+Double
reference	Negative selection	0.06	0.0	SRV+Double
reference	Negative selection	0.303	100.0	SRV+Double
test	Diversifying selection	1.002	0.0	SRV+Double
test	Diversifying selection	1.002	0.0	SRV+Double
test	Negative selection	0.072	0.0	SRV+Double
test	Negative selection	0.327	100.0	SRV+Double
test	Negative selection	0.06	0.0	SRV+Double
test	Negative selection	0.303	100.0	SRV+Double
reference	Diversifying selection	1.09	0.0	SRV+Double

	class_id	syn_rate	proportion_percent	run_type	
	1	0.492	12.918	SRV	
	2	0.603	80.15	SRV	
	3	6.536	6.932	SRV	
	1	0.002	0.0	SRV	
	2	0.157	74.748	SRV	
	3	3.496	25.252	SRV	
	1	0.0	0.0	SRV	
	2	0.588	93.107	SRV	
	3	6.561	6.893	SRV	
	1	0.004	0.0	SRV	
	2	0.291	81.463	SRV	
	3	4.117	18.537	SRV	
	1	0.143	0.0	SRV	
	2	0.588	93.111	SRV	
	3	6.564	6.889	SRV	
	1	0.576	18.751	SRV	
	2	0.591	74.336	SRV	
	3	6.546	6.913	SRV	
	1	0.15	14.572	SRV	
	2	0.678	78.609	SRV	
	3	6.528	6.819	SRV	
	1	0.456	28.081	SRV	
	2	0.649	65.041	SRV	
	3	6.543	6.878	SRV	
	1	0.003	0.0	SRV	
	2	0.588	93.112	SRV	
	3	6.567	6.888	SRV	
	1	0.006	0.0	SRV	
	2	0.631	94.831	SRV	
	3	7.774	5.169	SRV	

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