RELAX Combined Report

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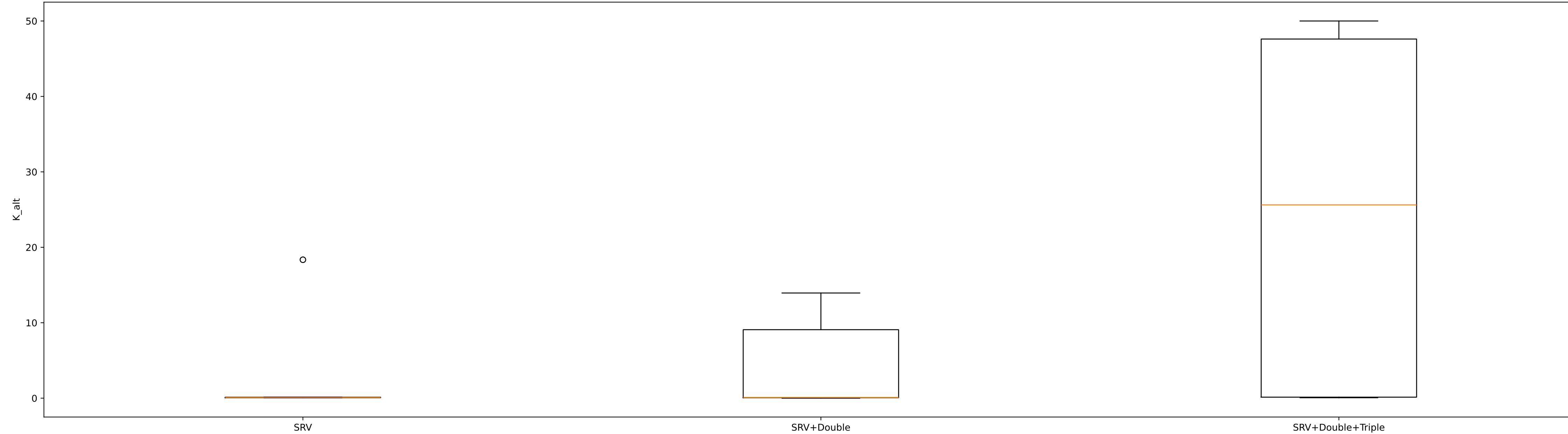
Includes:

- Run-type summary

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

- Full omega/SRV/multihit tables (column-paged)
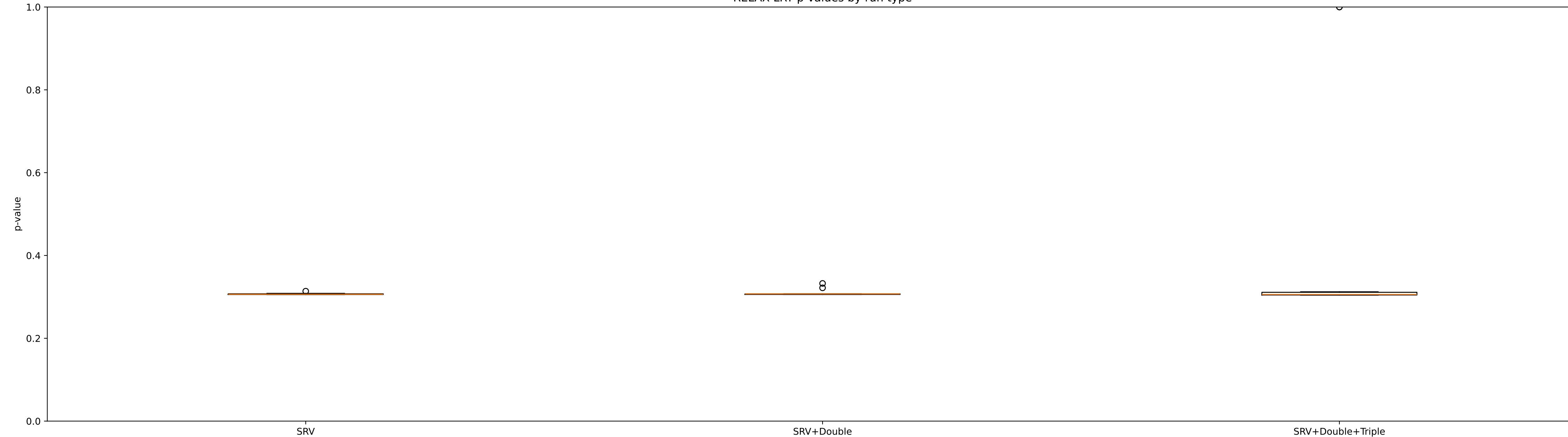
Run-type summary statistics

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
0.3064	0.3056	0.3138	0.095	0.05	18.35	0.2332	0.7813	10	nan	nan
0.3071	0.3057	0.3325	0.095	0.0	13.94	0.2332	0.7813	10	0.0	0.0
0.3059	0.3043	1.0	25.62	0.06	50.0	0.2335	0.7813	10	0.0	0.0

K (alternative) by run type

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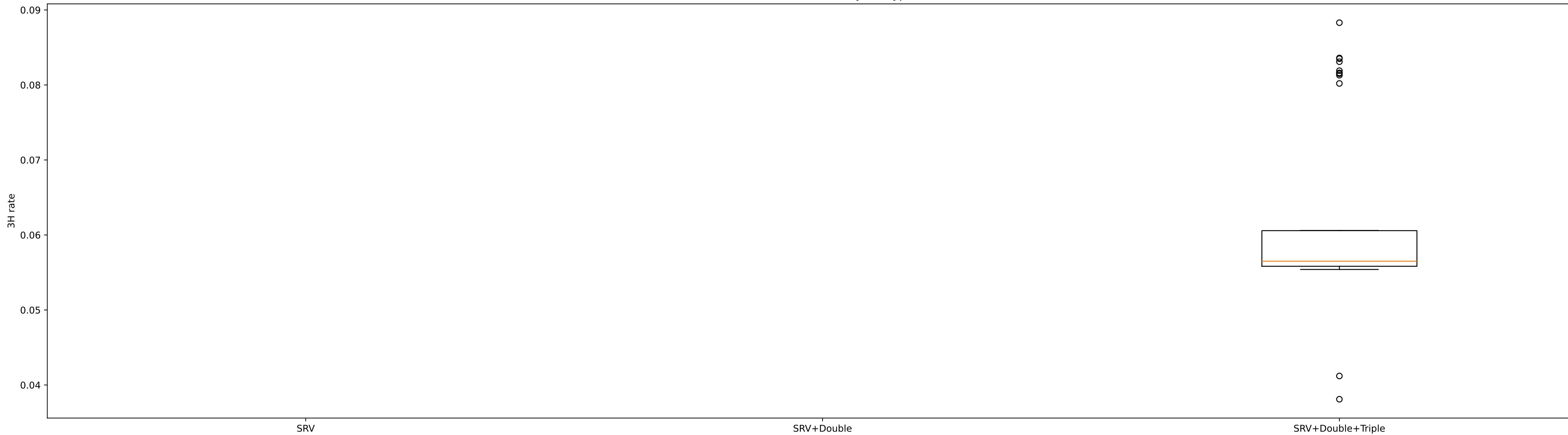
2H rates (reference) by run type
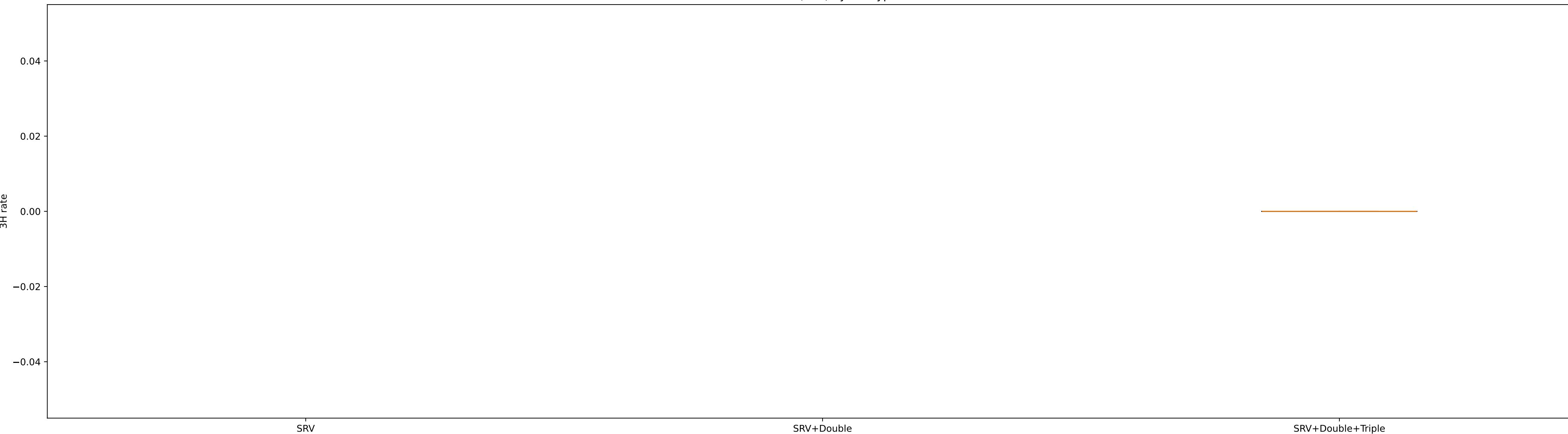
2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

SRV   SRV+Double   SRV+Double+Triple

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3085	0.13	0.2332	0.7813	
	2	0.3056	0.06	0.2335	0.7813	
	3	0.3138	0.13	0.2332	0.7813	
	4	0.3057	0.06	0.2332	0.7813	
	5	0.3074	0.13	0.2332	0.7813	
	6	0.3058	0.06	0.2332	0.7813	
	7	0.3069	18.35	0.2335	0.7813	
	8	0.3057	0.06	0.2332	0.7813	
	9	0.3075	0.15	0.2335	0.7813	
	10	0.3057	0.05	0.2332	0.7813	

	replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.3057	0.06	0.2332	0.7813	
	2		0.3058	0.05	0.2332	0.7813	
	3		0.3073	13.94	0.2332	0.7813	
	4		0.3071	13.2	0.2332	0.7813	
	5		0.3058	0.06	0.2332	0.7813	
	6		0.3218	0.0	0.2335	0.7813	
	7		0.3057	0.06	0.2335	0.7813	
	8		0.3074	0.13	0.2332	0.7813	
	9		0.3071	12.06	0.2335	0.7813	
	10		0.3325	0.13	0.2335	0.7813	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3123	0.14	0.2332	0.7813	
	2	0.3045	28.02	0.2335	0.7813	
	3	0.3043	23.22	0.2332	0.7813	
	4	1.0	50.0	0.2335	0.7813	
	5	1.0	50.0	0.2335	0.7813	
	6	0.3065	0.13	0.2332	0.7813	
	7	0.3043	50.0	0.2335	0.7813	
	8	0.3048	0.06	0.2335	0.7813	
	9	0.3053	0.08	0.2335	0.7813	
	10	0.3073	40.43	0.2335	0.7813	

test	Negative selection	0.0	75.735	SRV+Double
test	Negative selection	0.0	22.393	SRV+Double
test	Negative selection	0.117	75.735	SRV+Double
test	Negative selection	0.535	22.393	SRV+Double
reference	Diversifying selection	0.945	0.0	SRV+Double
reference	Negative selection	0.072	64.242	SRV+Double
reference	Negative selection	0.523	35.758	SRV+Double
test	Diversifying selection	1.066	0.0	SRV+Double
test	Negative selection	0.072	64.242	SRV+Double
test	Negative selection	0.523	35.758	SRV+Double
reference	Diversifying selection	1.002	0.0	SRV+Double
reference	Negative selection	0.0	43.512	SRV+Double
reference	Negative selection	0.409	56.488	SRV+Double
test	Diversifying selection	1.0	0.0	SRV+Double
test	Diversifying selection	1.002	0.0	SRV+Double
test	Negative selection	0.56	43.512	SRV+Double
test	Negative selection	0.952	56.488	SRV+Double
test	Negative selection	0.0	43.512	SRV+Double
test	Negative selection	0.409	56.488	SRV+Double
reference	Diversifying selection	1.08	0.0	SRV+Double
reference	Negative selection	0.0	43.749	SRV+Double
reference	Negative selection	0.413	56.251	SRV+Double
test	Diversifying selection	1.08	0.0	SRV+Double
test	Negative selection	0.0	43.749	SRV+Double
test	Negative selection	0.413	56.251	SRV+Double
reference	Diversifying selection	1.002	0.0	SRV+Double
reference	Negative selection	0.0	39.227	SRV+Double
reference	Negative selection	0.379	60.773	SRV+Double
test	Diversifying selection	1.0	0.0	SRV+Double
test	Diversifying selection	1.002	0.0	SRV+Double
test	Negative selection	0.0	39.227	SRV+Double
test	Negative selection	1.0	60.773	SRV+Double
test	Negative selection	0.0	39.227	SRV+Double
test	Negative selection	0.379	60.773	SRV+Double
reference	Diversifying selection	1.073	0.0	SRV+Double
reference	Negative selection	0.0	41.459	SRV+Double
reference	Negative selection	0.396	58.541	SRV+Double
test	Diversifying selection	1.073	0.0	SRV+Double
test	Negative selection	0.0	41.459	SRV+Double
test	Negative selection	0.396	58.541	SRV+Double
reference	Diversifying selection	1.002	0.0	SRV+Double
reference	Negative selection	0.0	43.535	SRV+Double
reference	Negative selection	0.409	56.465	SRV+Double
test	Diversifying selection	1.0	0.0	SRV+Double
test	Diversifying selection	1.002	0.0	SRV+Double
test	Negative selection	0.56	43.535	SRV+Double
test	Negative selection	0.951	56.465	SRV+Double
test	Negative selection	0.0	43.535	SRV+Double
test	Negative selection	0.409	56.465	SRV+Double
reference	Diversifying selection	1.079	0.0	SRV+Double

class_id	syn_rate	proportion_percent	run_type
1	0.0	10.118	SRV
2	0.942	78.529	SRV
3	2.293	11.353	SRV
1	0.0	10.116	SRV
2	0.943	78.799	SRV
3	2.317	11.084	SRV
1	0.0	10.12	SRV
2	0.943	78.638	SRV
3	2.301	11.242	SRV
1	0.0	10.123	SRV
2	0.943	78.807	SRV
3	2.318	11.071	SRV
1	0.0	10.126	SRV
2	0.942	78.556	SRV
3	2.295	11.317	SRV
1	0.0	10.124	SRV
2	0.944	78.851	SRV
3	2.322	11.025	SRV
1	0.0	10.14	SRV
2	0.944	78.707	SRV
3	2.306	11.153	SRV
1	0.0	10.117	SRV
2	0.943	78.839	SRV
3	2.321	11.043	SRV
1	0.0	10.294	SRV
2	0.952	79.197	SRV
3	2.344	10.509	SRV
1	0.0	10.108	SRV
2	0.943	78.757	SRV
3	2.314	11.135	SRV

reference	3H	0.0556	SRV+Double+Triple	
reference	3H	0.0558	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	0.0813	SRV+Double+Triple	
reference	3H	0.0567	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	0.0564	SRV+Double+Triple	
reference	3H	0.0566	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	0.0802	SRV+Double+Triple	
reference	3H	0.0569	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	0.0564	SRV+Double+Triple	
reference	3H	0.0566	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	0.0836	SRV+Double+Triple	
reference	3H	0.0381	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	0.0557	SRV+Double+Triple	
reference	3H	0.0561	SRV+Double+Triple	
reference	3H	0.0558	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	0.0831	SRV+Double+Triple	
reference	3H	0.0412	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	0.0559	SRV+Double+Triple	
reference	3H	0.0556	SRV+Double+Triple	
reference	3H	0.056	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	0.0819	SRV+Double+Triple	
reference	3H	0.0556	SRV+Double+Triple	
test	2H	0.0	SRV+Double+Triple	