RELAX Combined Report

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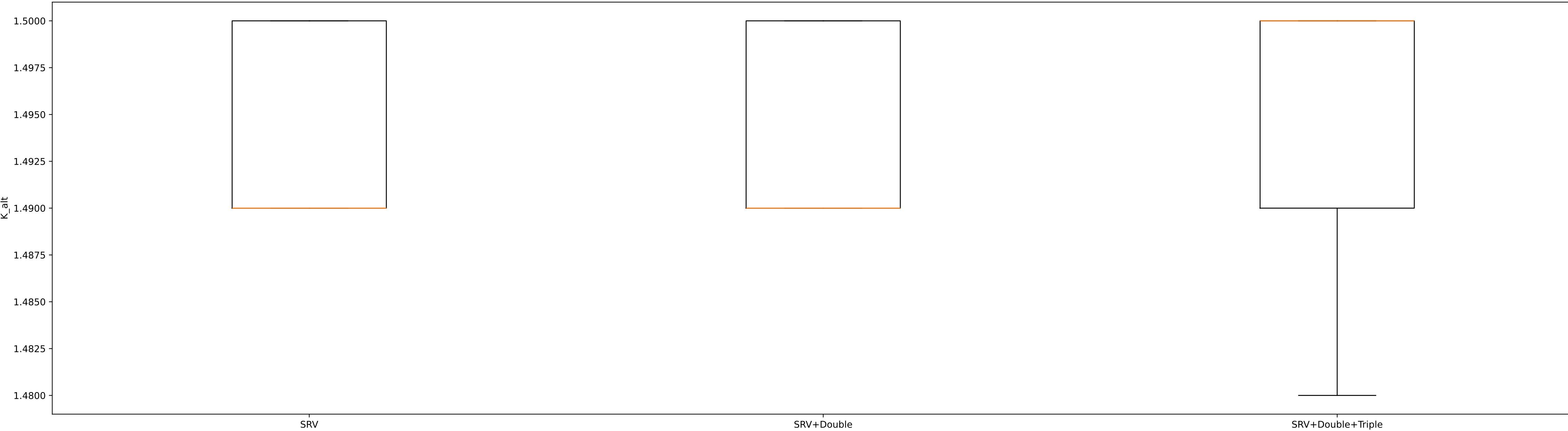
Includes:

- 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
0.4721	0.4719	0.473	1.49	1.49	1.5	0.4134	0.2666	9	nan	nan
0.473	0.4726	0.4745	1.49	1.49	1.5	0.4134	0.2666	10	0.0057	0.0
0.4736	0.4731	0.4742	1.5	1.48	1.5	0.4134	0.2666	9	0.0056	0.0
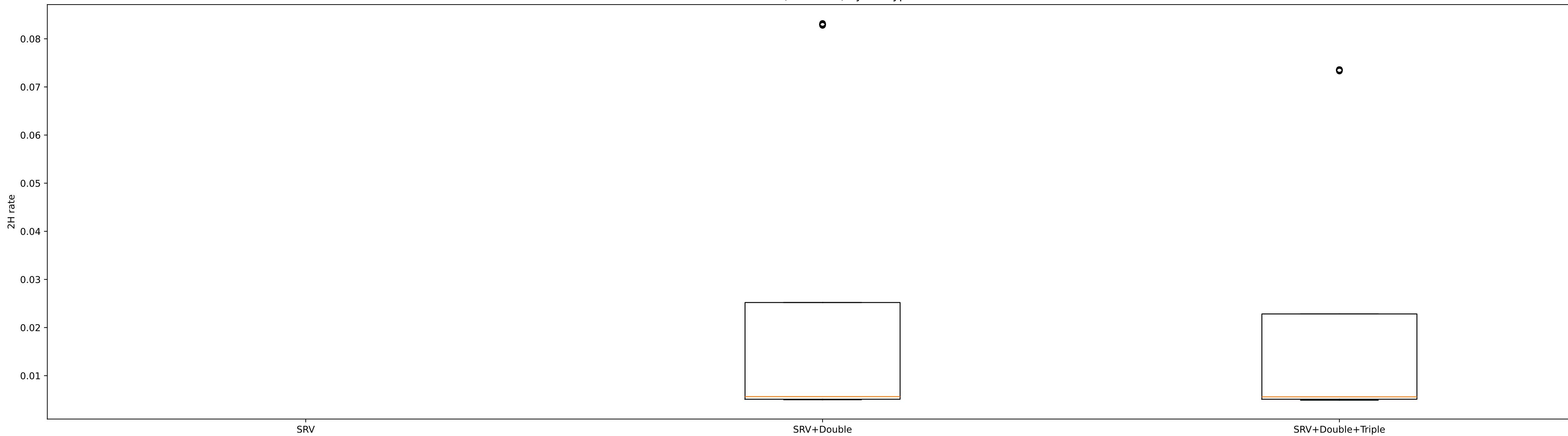
K (alternative) by run type

K_alt

SRV　　　　　　　SRV+Double　　　　　　　SRV+Double+Triple

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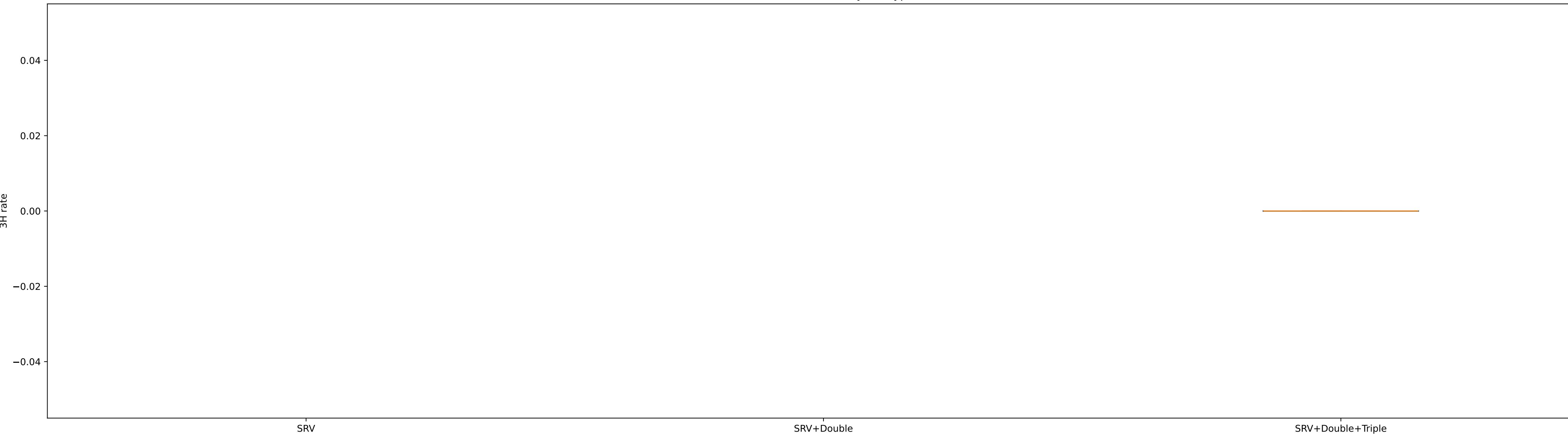
2H rates (reference) by run type
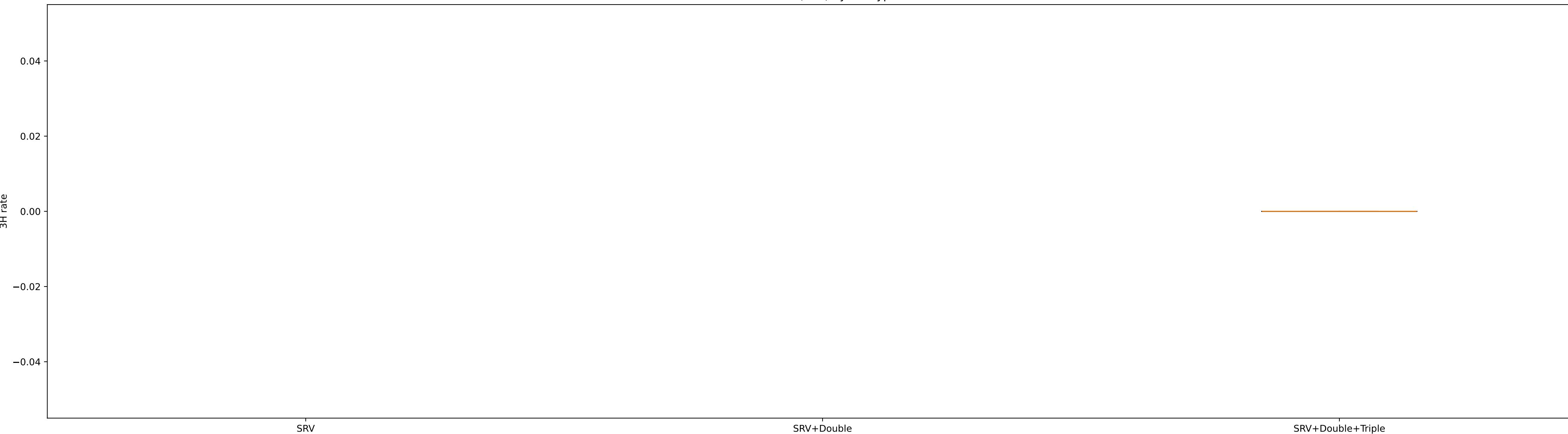
2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.4721	1.49	0.4134	0.2666	
	2	nan	nan	0.4134	0.2666	
	3	0.472	1.49	0.4134	0.2666	
	4	0.4727	1.5	0.4134	0.2666	
	5	0.4726	1.5	0.4134	0.2666	
	6	0.4719	1.49	0.4134	0.2666	
	7	0.472	1.49	0.4134	0.2666	
	8	0.4722	1.49	0.4134	0.2666	
	9	0.473	1.5	0.4134	0.2666	
	10	0.4721	1.5	0.4134	0.2666	

replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1		0.4729	1.49	0.4134	0.2666	
2		0.4737	1.5	0.4134	0.2666	
3		0.4726	1.49	0.4134	0.2666	
4		0.473	1.5	0.4134	0.2666	
5		0.473	1.49	0.4134	0.2666	
6		0.4729	1.49	0.4134	0.2666	
7		0.473	1.49	0.4134	0.2666	
8		0.4745	1.49	0.4134	0.2666	
9		0.473	1.5	0.4134	0.2666	
10		0.4735	1.5	0.4134	0.2666	

replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1		0.4742	1.49	0.2666	0.4134	0.2666
2		0.4736	1.5	0.2666	0.4134	0.2666
3		0.4731	1.49	0.2666	0.4134	0.2666
4		0.4737	1.49	0.2666	0.4134	0.2666
5		0.4733	1.5	0.2666	0.4134	0.2666
6		0.4737	1.5	0.2666	0.4134	0.2666
7		0.4731	1.5	0.2666	0.4134	0.2666
8		0.4732	1.48	0.2666	0.4134	0.2666
9		0.474	1.5	0.2666	0.4134	0.2666
10		nan	nan	nan	nan	nan

test	Negative selection	0.001	0.0		SRV+Double
test	Negative selection	0.264	100.0		SRV+Double
test	Negative selection	0.011	0.0		SRV+Double
test	Negative selection	0.411	100.0		SRV+Double
reference	Diversifying selection		0.0		SRV+Double
reference	Negative selection	0.009	0.0		SRV+Double
reference	Negative selection	0.398	100.0		SRV+Double
test	Diversifying selection	2.18	0.0		SRV+Double
test	Negative selection	0.009	0.0		SRV+Double
test	Negative selection	0.398	100.0		SRV+Double
reference	Diversifying selection	1.543	0.0		SRV+Double
reference	Negative selection	0.008	0.0		SRV+Double
reference	Negative selection	0.41	100.0		SRV+Double
test	Diversifying selection	1.907	0.0		SRV+Double
test	Diversifying selection	1.543	0.0		SRV+Double
test	Negative selection	0.001	0.0		SRV+Double
test	Negative selection	0.265	100.0		SRV+Double
test	Negative selection	0.008	0.0		SRV+Double
test	Negative selection	0.41	100.0		SRV+Double
reference	Diversifying selection	3.583	0.0		SRV+Double
reference	Negative selection	0.006	0.0		SRV+Double
reference	Negative selection	0.398	100.0		SRV+Double
test	Diversifying selection	3.583	0.0		SRV+Double
test	Negative selection	0.006	0.0		SRV+Double
test	Negative selection	0.398	100.0		SRV+Double
reference	Diversifying selection	1.223	0.0		SRV+Double
reference	Negative selection	0.41	93.836		SRV+Double
reference	Negative selection	0.42	6.164		SRV+Double
test	Diversifying selection	1.349	0.0		SRV+Double
test	Diversifying selection	1.223	0.0		SRV+Double
test	Negative selection	0.264	93.836		SRV+Double
test	Negative selection	0.274	6.164		SRV+Double
test	Negative selection	0.41	93.836		SRV+Double
test	Negative selection	0.42	6.164		SRV+Double
reference	Diversifying selection	2.219	0.0		SRV+Double
reference	Negative selection	0.317	0.0		SRV+Double
reference	Negative selection	0.398	100.0		SRV+Double
test	Diversifying selection	2.219	0.0		SRV+Double
test	Negative selection	0.317	0.0		SRV+Double
test	Negative selection	0.398	100.0		SRV+Double
reference	Diversifying selection	1.126	0.0		SRV+Double
reference	Negative selection	0.12	0.0		SRV+Double
reference	Negative selection	0.411	100.0		SRV+Double
test	Diversifying selection	1.193	0.0		SRV+Double
test	Diversifying selection	1.126	0.0		SRV+Double
test	Negative selection	0.042	0.0		SRV+Double
test	Negative selection	0.265	100.0		SRV+Double
test	Negative selection	0.12	0.0		SRV+Double
test	Negative selection	0.411	100.0		SRV+Double
reference	Diversifying selection	2.329			SRV+Double

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.786	96.251	SRV	
	2	1.08	0.0	SRV	
	3	6.499	3.749	SRV	
	1	0.786	96.237	SRV	
	2	1.359	0.0	SRV	
	3	6.486	3.763	SRV	
	1	0.786	96.257	SRV	
	2	1.171	0.0	SRV	
	3	6.503	3.743	SRV	
	1	0.785	47.211	SRV	
	2	0.787	49.047	SRV	
	3	6.509	3.741	SRV	
	1	0.782	14.471	SRV	
	2	0.787	81.787	SRV	
	3	6.507	3.741	SRV	
	1	0.786	22.5	SRV	
	2	0.786	73.763	SRV	
	3	6.512	3.737	SRV	
	1	0.781	7.291	SRV	
	2	0.786	88.963	SRV	
	3	6.503	3.746	SRV	
	1	0.782	13.702	SRV	
	2	0.786	82.547	SRV	
	3	6.501	3.75	SRV	
	1	0.78	0.575	SRV	
	2	0.786	95.681	SRV	
	3	6.504	3.744	SRV	

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

test	2H	0.0	SRV+Double	
reference	2H	0.006	SRV+Double	
reference	2H	0.005	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.0829	SRV+Double	
reference	2H	0.0054	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.0059	SRV+Double	
reference	2H	0.0051	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.0733	SRV+Double+Triple	
reference	2H	0.005	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	0.0059	SRV+Double+Triple	
reference	2H	0.0051	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	0.0736	SRV+Double+Triple	
reference	2H	0.0052	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	0.006	SRV+Double+Triple	
reference	2H	0.0051	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	0.0736	SRV+Double+Triple	
reference	2H	0.005	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	0.0059	SRV+Double+Triple	
reference	2H	0.0052	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	0.0736	SRV+Double+Triple	
reference	2H	0.0052	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	0.0059	SRV+Double+Triple	
reference	2H	0.005	SRV+Double+Triple	
reference	3H	0.0	SRV+Double+Triple	
test	2H	0.0	SRV+Double+Triple	
test	3H	0.0	SRV+Double+Triple	