

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

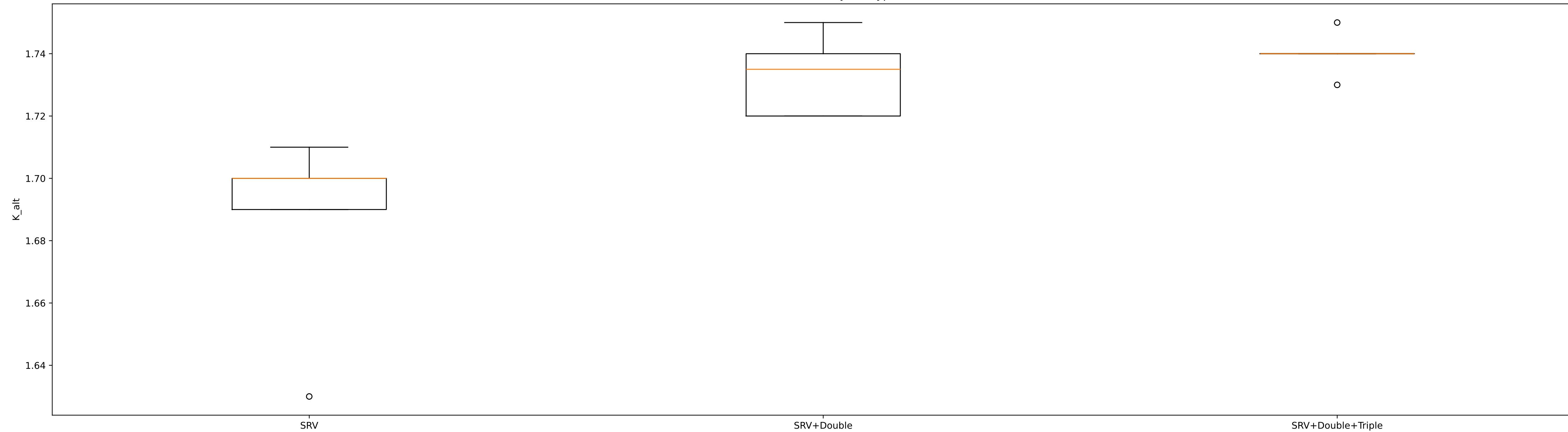
Includes:

- 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_medi an	omega_test_medi an	warnings_count	2H_reference_m edian	2H_test_median
0.1648	0.1648	1.0	1.7	1.63	1.71	0.4482	0.2544	10	nan	nan
0.1516	0.1516	0.1517	1.735	1.72	1.75	0.4479	0.2546	10	0.0	0.1095
0.1516	0.1515	0.1517	1.74	1.73	1.75	0.4482	0.2544	9	0.0	0.1094

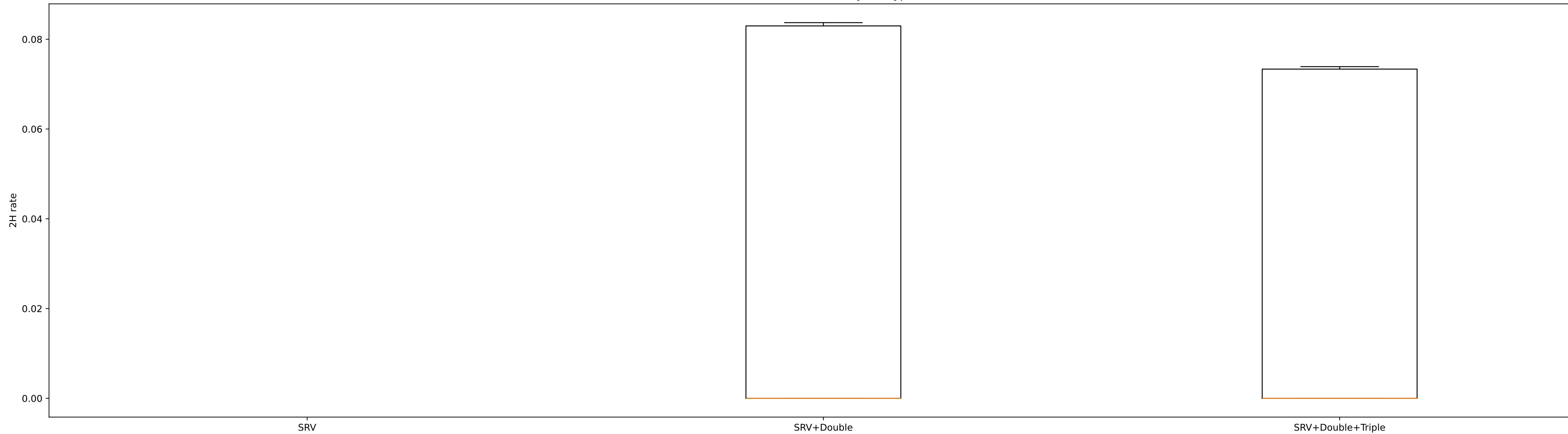
K (alternative) by run type



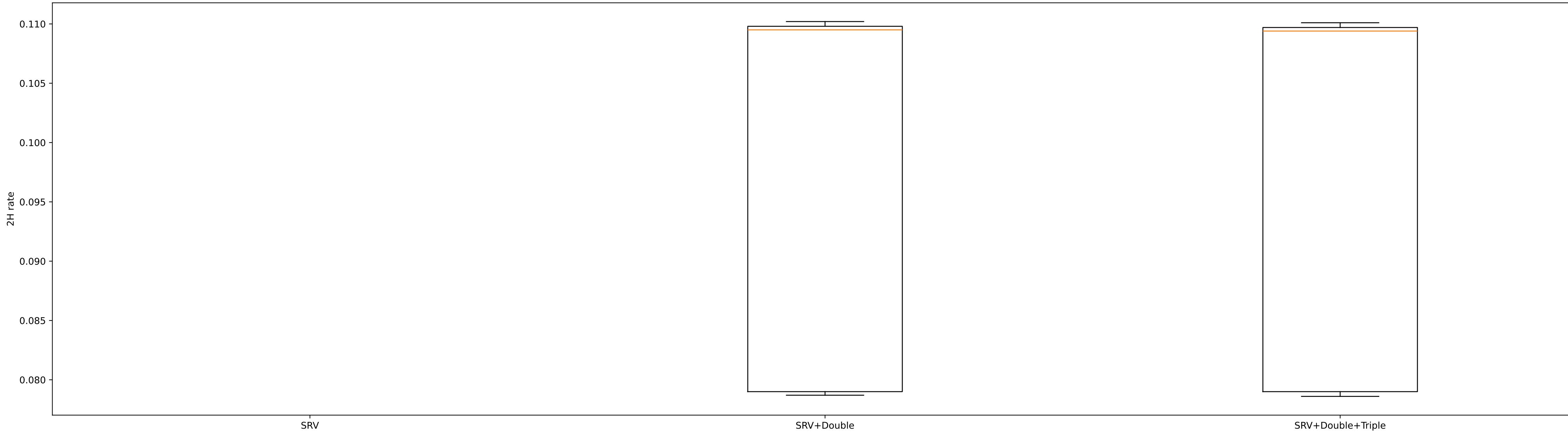
RELAX LRT p-values by run type



2H rates (reference) by run type



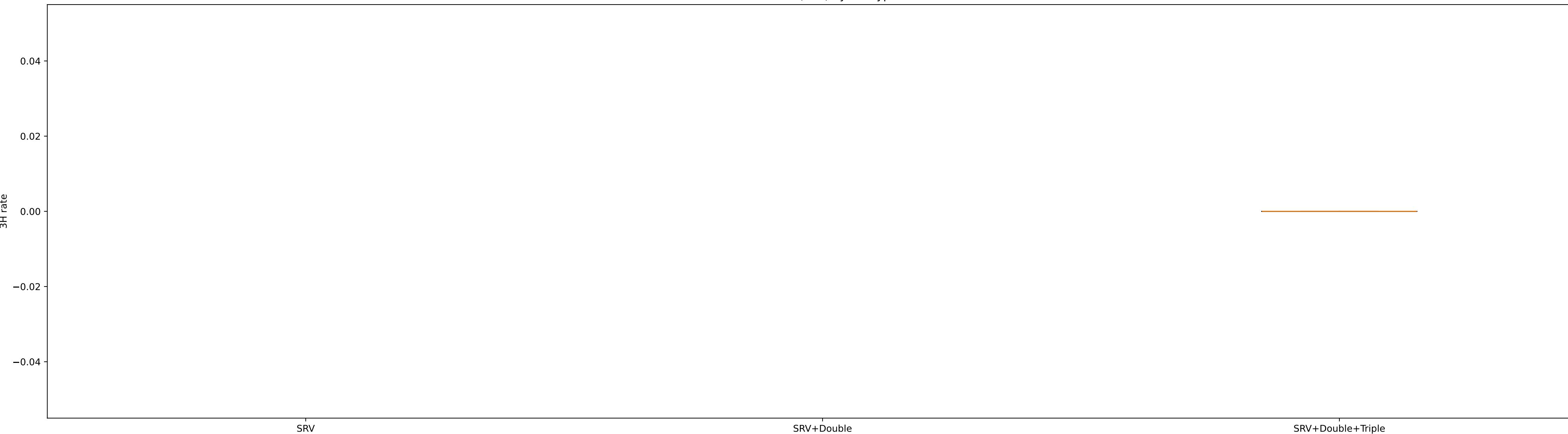
2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



Replicate-level summary — SRV (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.1648	1.71	0.4479	0.2546
	2	1.0	1.63	0.4479	0.2546
	3	0.1648	1.7	0.4482	0.2544
	4	0.1648	1.69	0.4482	0.2544
	5	0.1648	1.7	0.4479	0.2546
	6	0.1648	1.69	0.4482	0.2544
	7	0.1648	1.69	0.4482	0.2544
	8	0.1648	1.7	0.4482	0.2544
	9	0.1648	1.71	0.4482	0.2544
	10	0.1648	1.7	0.4482	0.2544

Replicate-level summary — SRV+Double (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.1517	1.72	0.4476	0.2545
	2	0.1516	1.72	0.4479	0.2546
	3	0.1517	1.74	0.4479	0.2546
	4	0.1516	1.72	0.4482	0.2544
	5	0.1517	1.75	0.4479	0.2546
	6	0.1516	1.74	0.4479	0.2546
	7	0.1516	1.73	0.4482	0.2544
	8	0.1516	1.74	0.4479	0.2546
	9	0.1517	1.72	0.4482	0.2544
	10	0.1516	1.74	0.4482	0.2544

Replicate-level summary — SRV+Double+Triple (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.1516	1.74	0.4482	0.2544
	2	0.1517	1.74	0.4482	0.2544
	3	0.1517	1.74	0.4482	0.2544
	4	0.1516	1.74	0.4482	0.2544
	5	0.1517	1.74	0.4482	0.2544
	6	0.1515	1.75	0.4479	0.2546
	7	0.1516	1.74	0.4479	0.2546
	8	0.1516	1.74	0.4482	0.2544
	9	0.1516	1.73	0.4482	0.2544
	10	nan	nan	nan	nan

	test		on Negative selection	0.322		0.0		SRV+Double
	test		Negative selection Diversifying selection	0.397		100.0		SRV+Double
	reference		on Negative selection	1.201		0.0		SRV+Double
	reference		Negative selection	0.443	Ω-class distributions (all) (cols 1-7/7)	74.343		SRV+Double
	reference		Diversifying selection	0.451		25.657		SRV+Double
	test		on Negative selection	1.371		0.0		SRV+Double
	test		Diversifying selection	1.201		0.0		SRV+Double
	test		on Negative selection	0.245		74.343		SRV+Double
	test		Negative selection	0.254		25.657		SRV+Double
	test		Negative selection	0.443		74.343		SRV+Double
	test		Diversifying selection	0.451		25.657		SRV+Double
	reference		on Negative selection	2.417		0.0		SRV+Double
	reference		Negative selection	0.366		0.0		SRV+Double
	reference		Diversifying selection	0.398		100.0		SRV+Double
	test		on Negative selection	2.417		0.0		SRV+Double
	test		Negative selection	0.366		0.0		SRV+Double
	test		Negative selection Diversifying selection	0.398		100.0		SRV+Double
	reference		on Negative selection	1.122		0.0		SRV+Double
	reference		Negative selection	0.3		0.0		SRV+Double
	reference		Negative selection	0.447		100.0		SRV+Double
	test		Diversifying selection	1.224		0.0		SRV+Double
	test		Diversifying selection	1.122		0.0		SRV+Double
	test		on Negative selection	0.122		0.0		SRV+Double
	test		Negative selection	0.245		100.0		SRV+Double
	test		Negative selection	0.3		0.0		SRV+Double
	test		Negative selection Diversifying selection	0.447		100.0		SRV+Double
	reference		on Negative selection	1.173		0.0		SRV+Double
	reference		Negative selection	0.361		0.0		SRV+Double
	reference		Negative selection	0.397		100.0		SRV+Double
	test		Diversifying selection	1.173		0.0		SRV+Double
	test		on Negative selection	0.361		0.0		SRV+Double
	test		Negative selection Diversifying selection	0.397		100.0		SRV+Double
	reference		on Negative selection	1.204		0.0		SRV+Double
	reference		Negative selection	0.002		0.0		SRV+Double
	reference		Negative selection Diversifying selection	0.447		100.0		SRV+Double
	test		Diversifying selection	1.381		0.0		SRV+Double
	test		Diversifying selection	1.204		0.0		SRV+Double
	test		on Negative selection	0.0		0.0		SRV+Double
	test		Negative selection	0.245		100.0		SRV+Double
	test		Negative selection	0.002		0.0		SRV+Double
	test		Negative selection Diversifying selection	0.447		100.0		SRV+Double
	reference		on Negative selection	1.216		0.0		SRV+Double
	reference		Negative selection	0.328		0.0		SRV+Double
	reference		Negative selection Diversifying selection	0.398		100.0		SRV+Double
	test		Diversifying selection	1.216		0.0		SRV+Double
	test		on Negative selection	0.328		0.0		SRV+Double
	test		Negative selection Diversifying selection	0.398		100.0		SRV+Double
	reference		on Negative selection	1.028		0.0		SRV+Double
	reference		Negative selection	0.0		0.0		SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	1	0.786	96.263	SRV	
	2	0.875	0.0	SRV	
	3	6.513	3.737	SRV	
	1	0.786	22.662	SRV	
	2	0.786	73.613	SRV	
	3	6.524	3.726	SRV	
	1	0.785	22.933	SRV	
	2	0.786	73.336	SRV	
	3	6.52	3.73	SRV	
SRV	1	0.786	12.619	SRV	
	2	0.786	83.647	SRV	
	3	6.514	3.735	SRV	
	1	0.783	0.494	SRV	
	2	0.786	95.767	SRV	
	3	6.511	3.739	SRV	
	1	0.786	96.258	SRV	
	2	0.944	0.0	SRV	
	3	6.507	3.742	SRV	
SRV	1	0.785	0.255	SRV	
	2	0.786	96.014	SRV	
	3	6.516	3.731	SRV	
	1	0.785	83.754	SRV	
	2	0.79	12.519	SRV	
	3	6.526	3.726	SRV	
	1	0.784	0.038	SRV	
	2	0.786	96.231	SRV	
	3	6.516	3.731	SRV	
SRV	1	0.786	88.339	SRV	
	2	0.788	7.93	SRV	
	3	6.518	3.732	SRV	

	test		2H	0.1094	SRV+Double	
	reference		2H	0.0	SRV+Double	
	test		2H	0.0788	SRV+Double	
	test		2H	0.1099	SRV+Double	
	reference		2H	0.083	SRV+Double	
	reference		2H	0.0	SRV+Double	
	test		2H	0.1099	SRV+Double	
	reference		2H	0.0	SRV+Double	
	test		2H	0.1098	SRV+Double	
	reference		2H	0.0	SRV+Double	
	test		2H	0.0789	SRV+Double	
	test		2H	0.1095	SRV+Double	
	reference		2H	0.0735	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.1098	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	0.0791	SRV+Double+Triple	
	test		2H	0.1097	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0737	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.1092	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	0.0788	SRV+Double+Triple	
	test		2H	0.1097	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0736	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.1096	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	0.0789	SRV+Double+Triple	
	test		2H	0.1094	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0733	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.1092	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	0.0788	SRV+Double+Triple	
	test		2H	0.1099	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	