

## RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

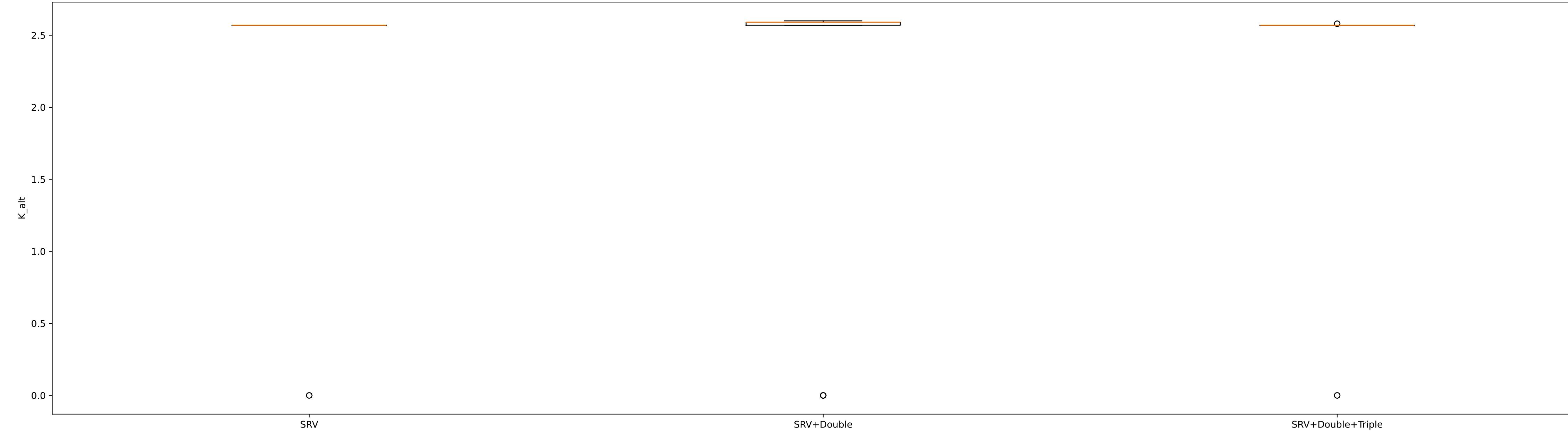
Includes:

- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

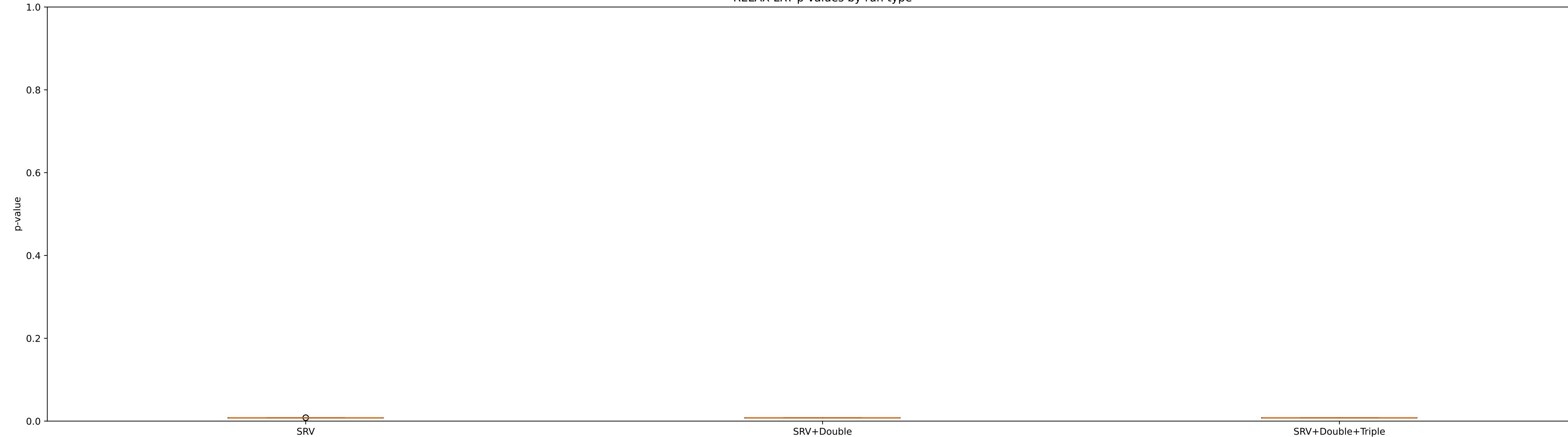
## Run-type summary statistics

<b>p_median</b>	<b>p_min</b>	<b>p_max</b>	<b>K_median</b>	<b>K_min</b>	<b>K_max</b>	<b>omega_ref_medi an</b>	<b>omega_test_medi an</b>	<b>warnings_count</b>	<b>2H_reference_m edian</b>	<b>2H_test_median</b>
0.0079	0.0079	0.0083	2.57	0.0	2.57	0.2589	0.0309	10	nan	nan
0.0079	0.0079	0.0079	2.59	0.0	2.6	0.2589	0.0309	10	0.0	0.0
0.0079	0.0079	0.0079	2.57	0.0	2.58	0.2589	0.0309	10	0.0	0.0

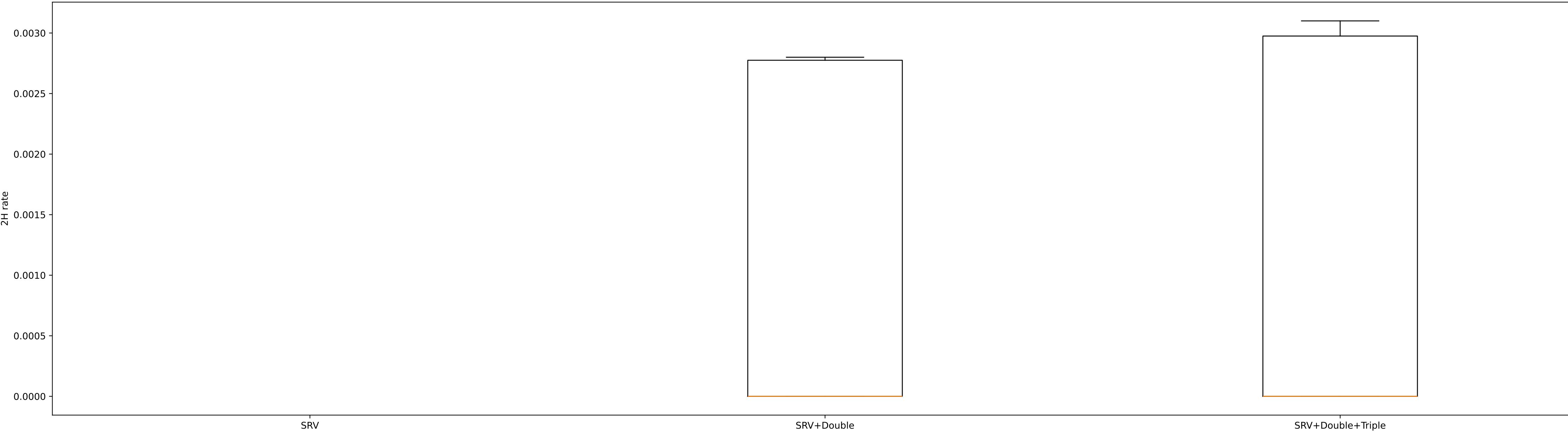
K (alternative) by run type



### RELAX LRT p-values by run type



2H rates (reference) by run type



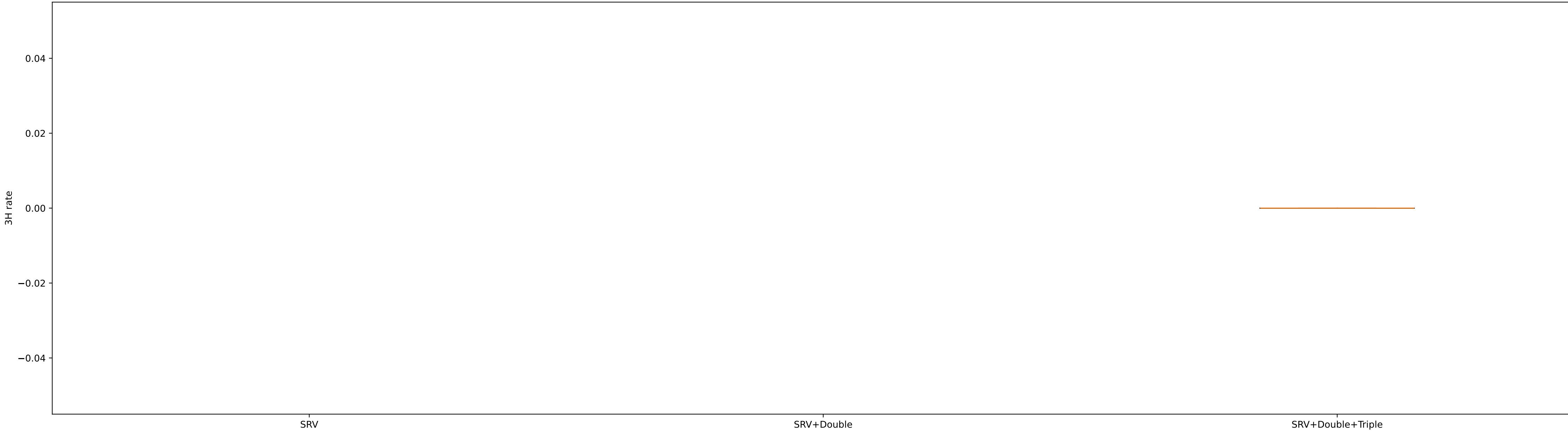
2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.0079	2.57	0.2589	0.0309
	2	0.0079	2.57	0.2589	0.0309
	3	0.0079	2.57	0.2589	0.0309
	4	0.0079	2.57	0.2589	0.0309
	5	0.0079	2.57	0.2589	0.0309
	6	0.0079	2.57	0.2589	0.0309
	7	0.0083	0.0	0.2589	0.0309
	8	0.0079	2.57	0.2589	0.0309
	9	0.0079	2.57	0.2589	0.0309
	10	0.0079	2.57	0.2589	0.0309

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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.0079	2.59	0.2589	0.0309
	2	0.0079	2.59	0.2589	0.0309
	3	0.0079	2.59	0.2589	0.0309
	4	0.0079	0.0	0.2589	0.0309
	5	0.0079	2.57	0.2589	0.0309
	6	0.0079	2.59	0.2589	0.0309
	7	0.0079	2.6	0.2589	0.0309
	8	0.0079	2.57	0.2589	0.0309
	9	0.0079	2.59	0.2589	0.0309
	10	0.0079	0.0	0.2589	0.0309

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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.0079	2.57	0.2589	0.0309
	2	0.0079	2.57	0.2589	0.0309
	3	0.0079	0.0	0.2589	0.0309
	4	0.0079	2.57	0.2589	0.0309
	5	0.0079	2.57	0.2589	0.0309
	6	0.0079	2.57	0.2589	0.0309
	7	0.0079	2.57	0.2589	0.0309
	8	0.0079	2.57	0.2589	0.0309
	9	0.0079	2.58	0.2589	0.0309
	10	0.0079	2.57	0.2589	0.0309

test		Negative selection	0.0	80.856	SRV+Double
test		Negative selection	0.0	5.719	SRV+Double
test		Negative selection	0.0	80.856	SRV+Double
test		Negative selection	0.0	5.719	SRV+Double
reference		Diversifying selection	0.0	0.0	SRV+Double
reference		Negative selection	0.164	0.0	SRV+Double
reference		Negative selection	0.232	100.0	SRV+Double
test		Diversifying selection	1.062	0.0	SRV+Double
test		Negative selection	0.164	0.0	SRV+Double
test		Negative selection	0.232	100.0	SRV+Double
reference		Diversifying selection	1.013	0.0	SRV+Double
reference		Negative selection	0.238	3.16	SRV+Double
reference		Negative selection	0.257	96.84	SRV+Double
test		Diversifying selection	1.035	0.0	SRV+Double
test		Diversifying selection	1.013	0.0	SRV+Double
test		Negative selection	0.025	3.16	SRV+Double
test		Negative selection	0.03	96.84	SRV+Double
test		Negative selection	0.238	3.16	SRV+Double
test		Negative selection	0.257	96.84	SRV+Double
reference		Diversifying selection	1.08	0.0	SRV+Double
reference		Negative selection	0.184	2.773	SRV+Double
reference		Negative selection	0.234	97.227	SRV+Double
test		Diversifying selection	1.08	0.0	SRV+Double
test		Negative selection	0.184	2.773	SRV+Double
test		Negative selection	0.234	97.227	SRV+Double
reference		Diversifying selection	1.008	0.0	SRV+Double
reference		Negative selection	0.214	31.075	SRV+Double
reference		Negative selection	0.275	68.925	SRV+Double
test		Diversifying selection	1.02	0.0	SRV+Double
test		Diversifying selection	1.008	0.0	SRV+Double
test		Negative selection	0.019	31.075	SRV+Double
test		Negative selection	0.035	68.925	SRV+Double
test		Negative selection	0.214	31.075	SRV+Double
test		Negative selection	0.275	68.925	SRV+Double
reference		Diversifying selection	1.068	0.0	SRV+Double
reference		Negative selection	0.222	57.579	SRV+Double
reference		Negative selection	0.246	42.421	SRV+Double
test		Diversifying selection	1.068	0.0	SRV+Double
test		Negative selection	0.222	57.579	SRV+Double
test		Negative selection	0.246	42.421	SRV+Double
reference		Diversifying selection	1.006	0.0	SRV+Double
reference		Negative selection	0.207	28.883	SRV+Double
reference		Negative selection	0.277	71.117	SRV+Double
test		Diversifying selection	1.016	0.0	SRV+Double
test		Diversifying selection	1.006	0.0	SRV+Double
test		Negative selection	0.017	28.883	SRV+Double
test		Negative selection	0.035	71.117	SRV+Double
test		Negative selection	0.207	28.883	SRV+Double
test		Negative selection	0.277	71.117	SRV+Double
reference		Diversifying selection	1.066	0.0	SRV+Double

			0.0	39.48	SRV
	3		2.016	49.603	SRV
	1		0.0	14.805	SRV
	2		0.0	35.677	SRV
	3		2.019	49.518	SRV
	1		0.0	14.777	SRV
	2		0.0	35.62	SRV
	3		2.016	49.603	SRV
	1		0.0	16.949	SRV
	2		0.0	33.538	SRV
	3		2.02	49.513	SRV
	1		0.0	16.928	SRV
	2		0.0	33.462	SRV
	3		2.016	49.609	SRV
	1		0.0	50.488	SRV
	2		2.02	39.485	SRV
	3		2.02	10.027	SRV
	1		0.0	50.398	SRV
	2		2.016	10.064	SRV
	3		2.016	39.538	SRV
	1		0.0	25.51	SRV
	2		0.0	24.977	SRV
	3		2.02	49.514	SRV
	1		0.0	25.457	SRV
	2		0.0	24.944	SRV
	3		2.016	49.6	SRV
	1		0.0	13.634	SRV
	2		0.0	36.851	SRV
	3		2.02	49.515	SRV
	1		0.0	13.595	SRV
	2		0.0	36.804	SRV
	3		2.016	49.601	SRV
	1		0.0	50.399	SRV
	2		2.016	34.639	SRV
	3		2.016	14.962	SRV
	1		0.0	14.286	SRV
	2		0.0	36.192	SRV
	3		2.019	49.522	SRV
	1		0.0	14.26	SRV
	2		0.0	36.133	SRV
	3		2.016	49.607	SRV
	1		0.0	10.666	SRV
	2		0.0	39.816	SRV
	3		2.019	49.518	SRV
	1		0.0	10.646	SRV
	2		0.0	39.749	SRV
	3		2.016	49.605	SRV
	1		0.0	11.442	SRV
	2		0.0	39.044	SRV
	3		0.0	10.741	SRV

