

## RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

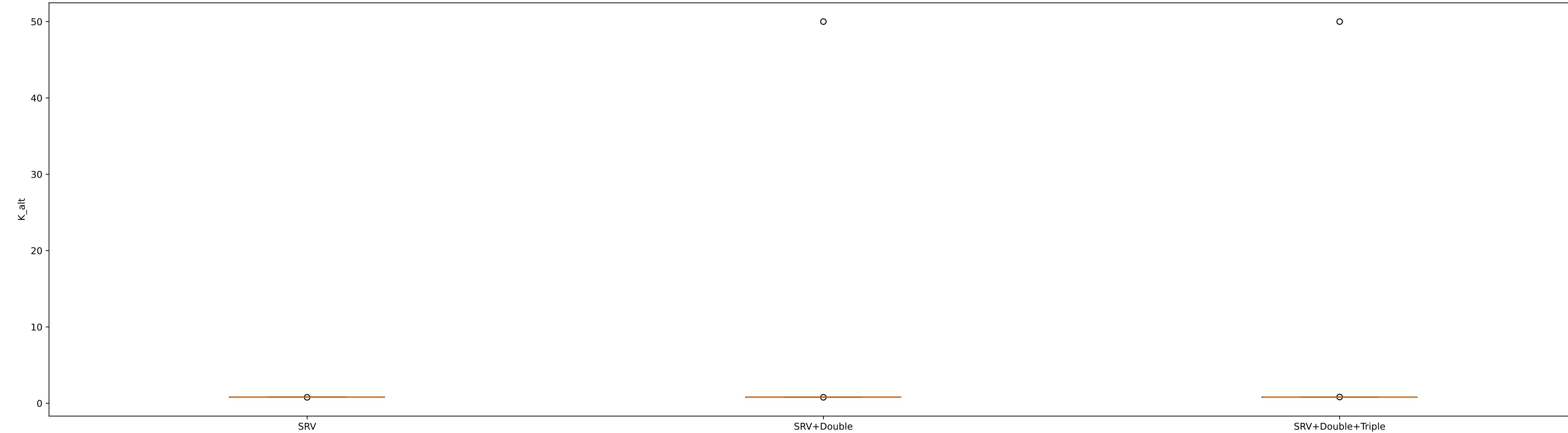
Includes:

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

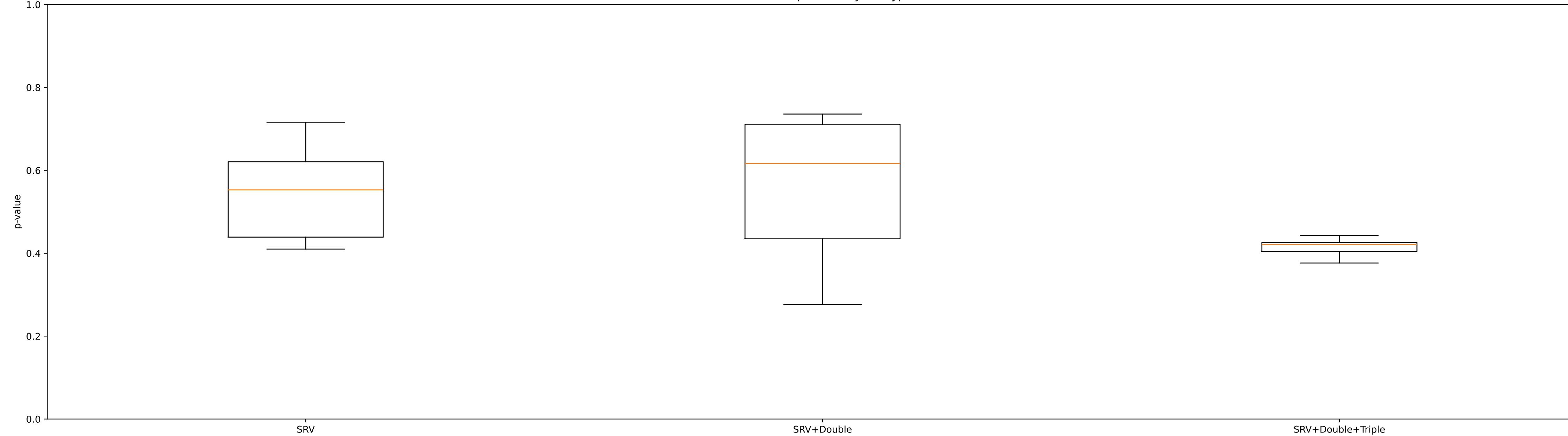
## Run-type summary statistics

<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_medi an</b>
0.5528	0.41	0.7147	0.8	0.78	0.82	0.2302	0.2808	10	nan	nan
0.6163	0.2763	0.7359	0.805	0.78	50.0	0.2302	0.2808	10	0.0	0.0
0.4207	0.3764	0.4433	0.8	0.8	50.0	0.2302	0.2808	10	0.0	0.0

K (alternative) by run type



RELAX LRT p-values by run type



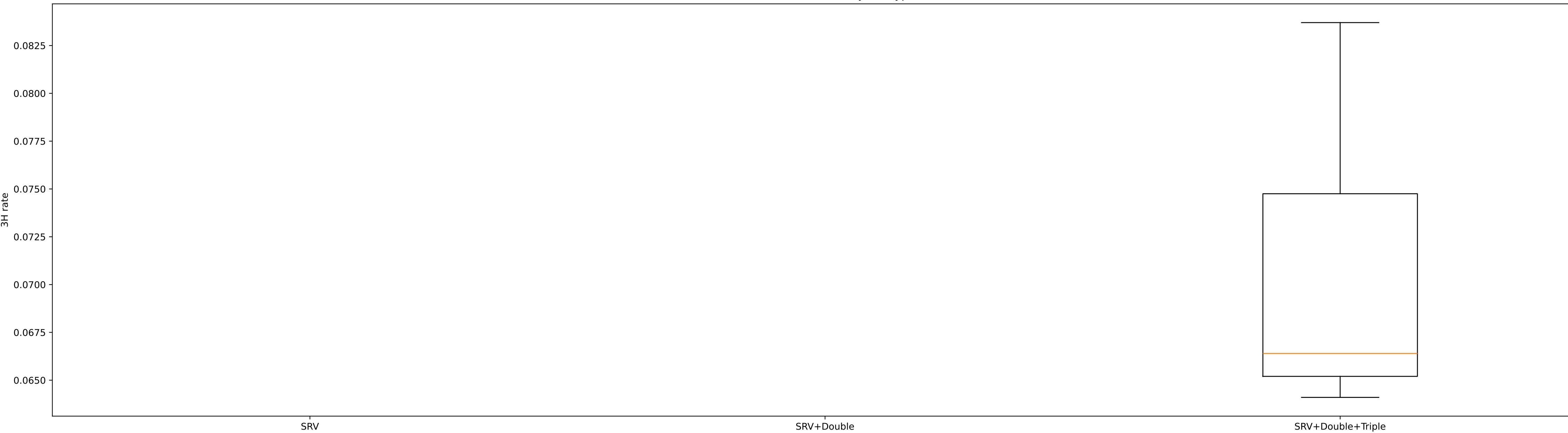
2H rates (reference) by run type



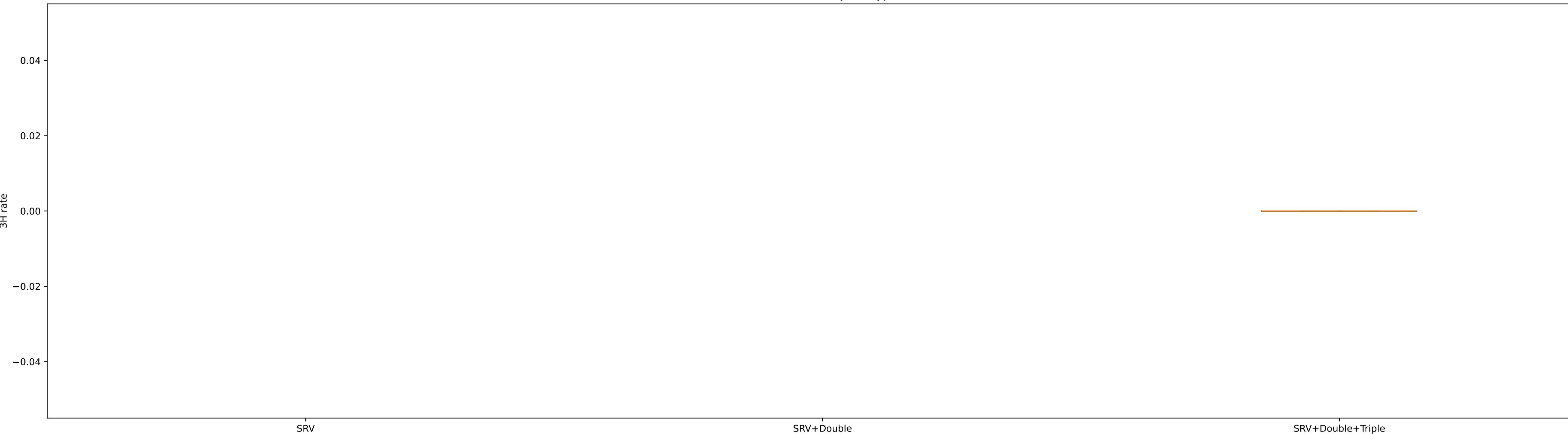
2H rates (test) by run type



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	0.41	0.8	0.2302	0.2808
	2	0.4377	0.81	0.2302	0.2808
	3	0.7147	0.81	0.2302	0.2808
	4	0.6252	0.8	0.2302	0.2808
	5	0.5055	0.82	0.2302	0.2808
	6	0.6492	0.8	0.2302	0.2808
	7	0.4162	0.81	0.2302	0.2808
	8	0.6002	0.8	0.2302	0.2808
	9	0.6078	0.8	0.2302	0.2808
	10	0.4423	0.78	0.2302	0.2808

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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_reference</b>	<b>global_dNdS_test</b>
	1	0.4429	0.78	0.2302	0.2808
	2	0.6117	0.8	0.2302	0.2808
	3	0.4321	0.79	0.2302	0.2808
	4	0.6209	0.8	0.2302	0.2808
	5	0.698	0.81	0.2302	0.2808
	6	0.7159	0.81	0.2302	0.2808
	7	0.4162	0.8	0.2302	0.2808
	8	0.7326	0.81	0.2302	0.2808
	9	0.2763	50.0	0.2302	0.2808
	10	0.7359	0.81	0.2302	0.2808

## 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	0.3818	50.0	0.2302	0.2808
	2	0.4433	0.8	0.2302	0.2808
	3	0.3764	0.82	0.2302	0.2808
	4	0.4356	0.8	0.2302	0.2808
	5	0.4259	0.8	0.2302	0.2808
	6	0.4225	0.8	0.2303	0.2805
	7	0.4189	0.8	0.2302	0.2808
	8	0.4264	0.8	0.2302	0.2808
	9	0.3999	0.81	0.2302	0.2808
	10	0.4184	0.8	0.2302	0.2808

	test	Negative selection	0.003	23.72	SRV+Double
	test	Negative selection	0.236	70.016	SRV+Double
	test	Neutral evolution	1.0	6.265	SRV+Double
	test	Neutral evolution	1.0	6.265	SRV+Double
	reference	Diversifying selection	0.0	SRV+Double	
	reference	Negative selection	0.0	43.968	SRV+Double
	reference	Negative selection	0.415	56.032	SRV+Double
	test	Diversifying selection	1.08	0.0	SRV+Double
	test	Negative selection	0.0	43.968	SRV+Double
	test	Negative selection	0.415	56.032	SRV+Double
	reference	Negative selection	0.005	9.696	SRV+Double
	reference	Negative selection	0.18	82.293	SRV+Double
	reference	Neutral evolution	1.0	8.012	SRV+Double
	test	Negative selection	0.015	9.696	SRV+Double
	test	Negative selection	0.25	82.293	SRV+Double
	test	Negative selection	0.005	9.696	SRV+Double
	test	Negative selection	0.18	82.293	SRV+Double
	test	Neutral evolution	1.0	8.012	SRV+Double
	test	Neutral evolution	1.0	8.012	SRV+Double
	reference	Diversifying selection	1.077	0.0	SRV+Double
	reference	Negative selection	0.0	41.755	SRV+Double
	reference	Negative selection	0.398	58.245	SRV+Double
	test	Diversifying selection	1.077	0.0	SRV+Double
	test	Negative selection	0.0	41.755	SRV+Double
	test	Negative selection	0.398	58.245	SRV+Double
	reference	Negative selection	0.006	6.443	SRV+Double
	reference	Negative selection	0.17	85.212	SRV+Double
	reference	Neutral evolution	1.0	8.345	SRV+Double
	test	Negative selection	0.016	6.443	SRV+Double
	test	Negative selection	0.238	85.212	SRV+Double
	test	Negative selection	0.006	6.443	SRV+Double
	test	Negative selection	0.17	85.212	SRV+Double
	test	Neutral evolution	1.0	8.345	SRV+Double
	test	Neutral evolution	1.0	8.345	SRV+Double
	reference	Diversifying selection	1.077	0.0	SRV+Double
	reference	Negative selection	0.0	41.755	SRV+Double
	reference	Negative selection	0.398	58.245	SRV+Double
	test	Diversifying selection	1.077	0.0	SRV+Double
	test	Negative selection	0.0	41.755	SRV+Double
	test	Negative selection	0.398	58.245	SRV+Double
	reference	Diversifying selection	1.002	0.0	SRV+Double
	reference	Negative selection	0.072	66.943	SRV+Double
	reference	Negative selection	0.547	33.057	SRV+Double
	test	Diversifying selection	1.001	0.0	SRV+Double
	test	Diversifying selection	1.002	0.0	SRV+Double
	test	Negative selection	0.123	66.943	SRV+Double
	test	Negative selection	0.618	33.057	SRV+Double
	test	Negative selection	0.072	66.943	SRV+Double
	test	Negative selection	12	33.057	SRV+Double
	reference	Diversifying selection	0.547	0.0	SRV+Double
	reference	Negative selection	1.074	0.0	SRV+Double

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

	<b>class_id</b>	<b>syn_rate</b>	<b>proportion_per cent</b>	<b>run_type</b>	
SRV	1	0.0	10.088	SRV	
	2	0.94	78.44	SRV	
	3	2.287	11.472	SRV	
	1	0.0	10.103	SRV	
	2	0.941	78.408	SRV	
	3	2.283	11.489	SRV	
	1	0.0	10.138	SRV	
	2	0.945	79.047	SRV	
	3	2.34	10.815	SRV	
SRV	1	0.0	10.123	SRV	
	2	0.943	78.804	SRV	
	3	2.318	11.074	SRV	
	1	0.0	10.134	SRV	
	2	0.944	78.749	SRV	
	3	2.308	11.117	SRV	
	1	0.0	10.122	SRV	
	2	0.943	78.809	SRV	
	3	2.318	11.069	SRV	
SRV	1	0.0	10.133	SRV	
	2	0.943	78.596	SRV	
	3	2.298	11.271	SRV	
	1	0.0	10.11	SRV	
	2	0.942	78.7	SRV	
	3	2.31	11.189	SRV	
	1	0.0	10.107	SRV	
	2	0.942	78.683	SRV	
	3	2.308	11.21	SRV	
SRV	1	0.0	10.102	SRV	
	2	0.942	78.66	SRV	
	3	2.305	11.238	SRV	

	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.0664	SRV+Double+Triple	
	reference		3H	0.065	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	0.0816	SRV+Double+Triple	
	reference		3H	0.0679	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	0.0662	SRV+Double+Triple	
	reference		3H	0.0658	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	0.0837	SRV+Double+Triple	
	reference		3H	0.0664	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	0.0661	SRV+Double+Triple	
	reference		3H	0.0653	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	0.0818	SRV+Double+Triple	
	reference		3H	0.0669	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	0.0651	SRV+Double+Triple	
	reference		3H	0.0656	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	0.067	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	0.065	SRV+Double+Triple	
	reference		3H	0.0652	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	0.0816	SRV+Double+Triple	
	reference		3H	0.0671	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	