

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)

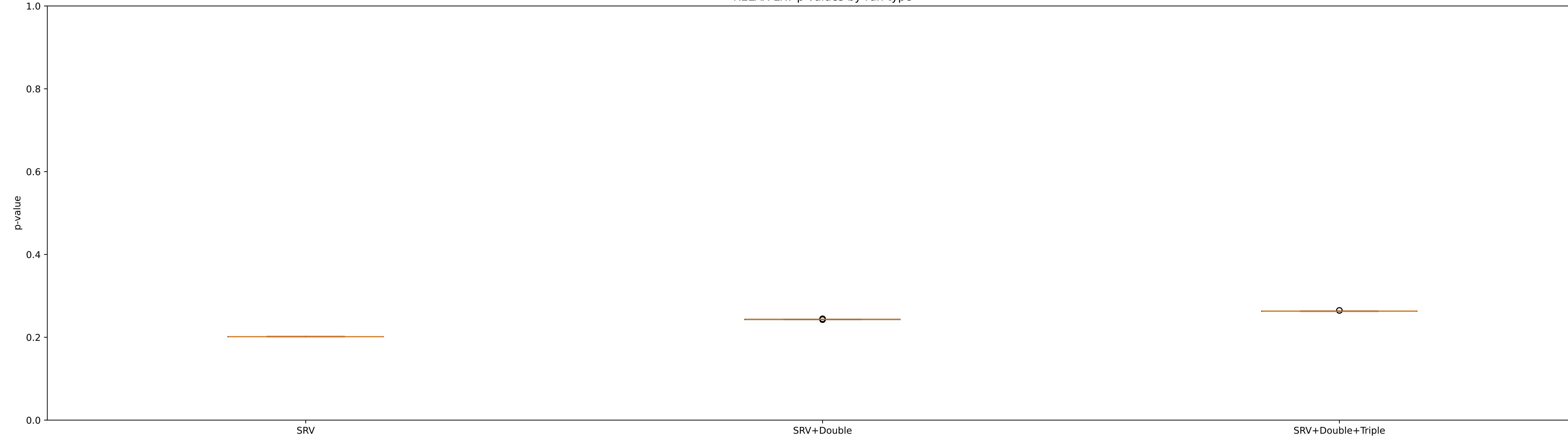
Run-type summary statistics

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
0.2015	0.2011	0.202	0.79	0.79	0.79	0.2349	0.2857	10	nan	nan
0.2432	0.2425	0.2447	0.81	0.81	0.81	0.235	0.2858	10	0.0668	0.0
0.263	0.2625	0.2649	0.82	0.81	0.82	0.235	0.2858	10	0.0636	0.0

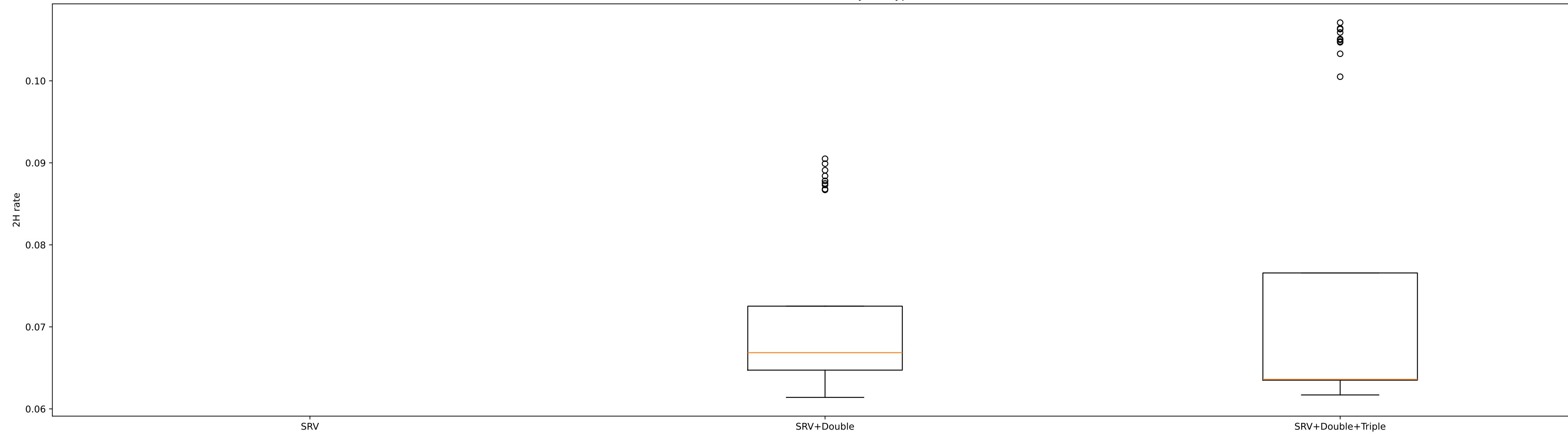
K (alternative) by run type



RELAX LRT p-values by run type



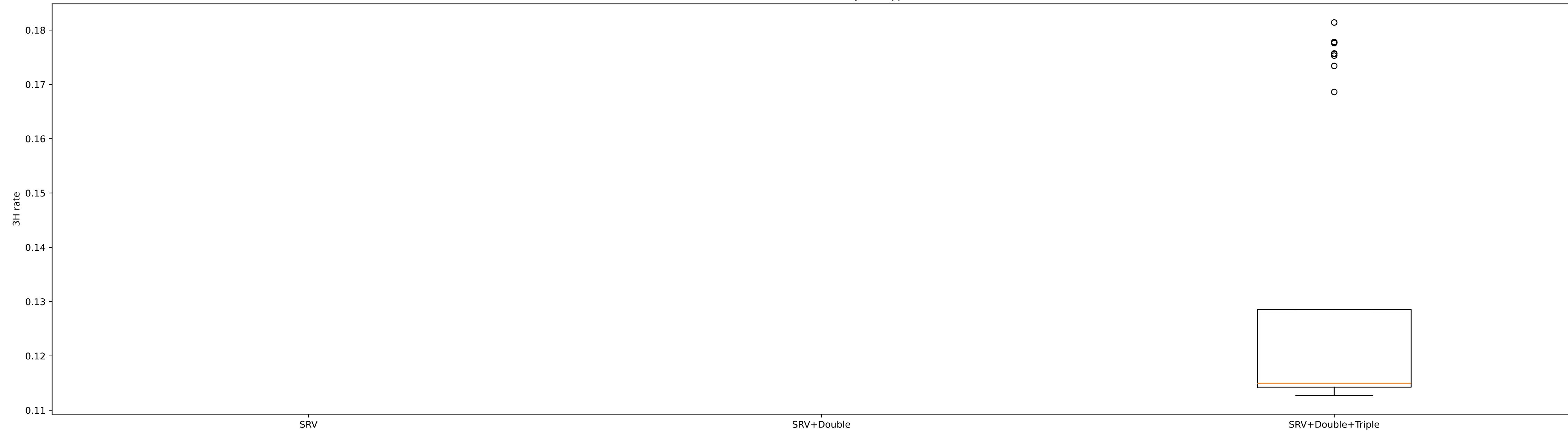
2H rates (reference) by run type



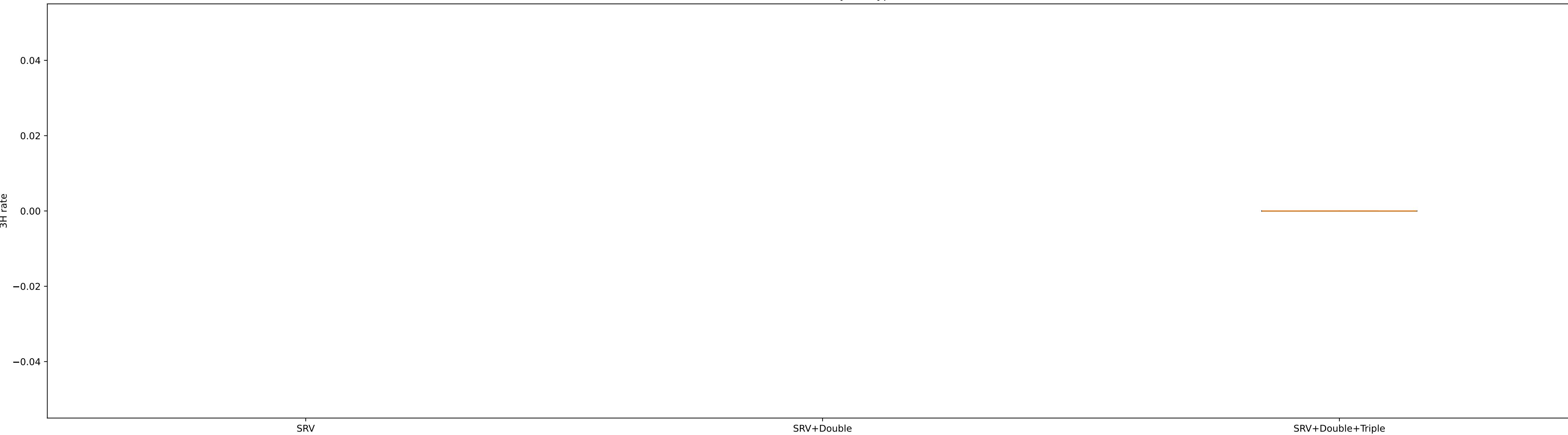
2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



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

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test
	1	0.2013	0.79	0.2347	0.2864
	2	0.2013	0.79	0.2351	0.2858
	3	0.2014	0.79	0.2349	0.2856
	4	0.2014	0.79	0.2349	0.2856
	5	0.2016	0.79	0.2351	0.2858
	6	0.2016	0.79	0.2351	0.2858
	7	0.202	0.79	0.2347	0.2864
	8	0.2016	0.79	0.2349	0.2855
	9	0.2016	0.79	0.2349	0.2856
	10	0.2011	0.79	0.2349	0.2856

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.243	0.81	0.2349	0.2856
	2	0.2433	0.81	0.2347	0.2864
	3	0.2447	0.81	0.2351	0.2858
	4	0.2433	0.81	0.2351	0.2858
	5	0.2431	0.81	0.2351	0.2858
	6	0.2431	0.81	0.2349	0.2855
	7	0.2441	0.81	0.2351	0.2862
	8	0.2428	0.81	0.2351	0.2858
	9	0.2433	0.81	0.2347	0.2864
	10	0.2425	0.81	0.2349	0.2857

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.2629	0.82	0.2351	0.2858
	2	0.2648	0.82	0.2349	0.2857
	3	0.2625	0.81	0.2349	0.2856
	4	0.2634	0.82	0.2351	0.2858
	5	0.2628	0.82	0.2349	0.2857
	6	0.263	0.82	0.2351	0.2862
	7	0.2649	0.82	0.235	0.2856
	8	0.263	0.82	0.2351	0.2858
	9	0.263	0.81	0.2347	0.2864
	10	0.2625	0.82	0.2351	0.2858

	test	Negative selection	0.261	9.633	SRV+Double
	test	Negative selection	0.285	90.248	SRV+Double
	test	Negative selection	0.19	9.633	SRV+Double
	test	Negative selection, Diversifying selection	0.212	90.248	SRV+Double
	reference	Ω-class distributions (all) (cols 1-7/7)			0.097
	reference	Negative selection	0.196	10.705	SRV+Double
	reference	Negative selection, Diversifying selection	0.215	89.198	SRV+Double
	test	Negative selection, Diversifying selection	6.547	0.097	SRV+Double
	test	Negative selection	0.196	10.705	SRV+Double
	test	Negative selection, Diversifying selection	0.215	89.198	SRV+Double
	reference	Negative selection, Diversifying selection	6.605	0.126	SRV+Double
	reference	Negative selection	0.189	19.165	SRV+Double
	reference	Negative selection, Diversifying selection	0.214	80.709	SRV+Double
	test	Negative selection, Diversifying selection	4.583	0.126	SRV+Double
	test	Negative selection, Diversifying selection	6.605	0.126	SRV+Double
	test	Negative selection	0.261	19.165	SRV+Double
	test	Negative selection	0.289	80.709	SRV+Double
	test	Negative selection	0.189	19.165	SRV+Double
	test	Negative selection, Diversifying selection	0.214	80.709	SRV+Double
	reference	Negative selection, Diversifying selection	6.334	0.103	SRV+Double
	reference	Negative selection	0.194	18.289	SRV+Double
	reference	Negative selection, Diversifying selection	0.217	81.608	SRV+Double
	test	Negative selection, Diversifying selection	6.334	0.103	SRV+Double
	test	Negative selection	0.194	18.289	SRV+Double
	test	Negative selection	0.217	81.608	SRV+Double
	reference	Negative selection, Diversifying selection	6.528	0.127	SRV+Double
	reference	Negative selection	0.209	98.84	SRV+Double
	reference	Negative selection, Diversifying selection	0.222	1.032	SRV+Double
	test	Negative selection, Diversifying selection	4.54	0.127	SRV+Double
	test	Negative selection, Diversifying selection	6.528	0.127	SRV+Double
	test	Negative selection	0.283	98.84	SRV+Double
	test	Negative selection	0.297	1.032	SRV+Double
	test	Negative selection	0.209	98.84	SRV+Double
	test	Negative selection, Diversifying selection	0.222	1.032	SRV+Double
	reference	Negative selection, Diversifying selection	6.661	0.095	SRV+Double
	reference	Negative selection	0.205	1.408	SRV+Double
	reference	Negative selection, Diversifying selection	0.213	98.497	SRV+Double
	test	Negative selection, Diversifying selection	6.661	0.095	SRV+Double
	test	Negative selection	0.205	1.408	SRV+Double
	test	Negative selection, Diversifying selection	0.213	98.497	SRV+Double
	reference	Negative selection, Diversifying selection	6.537	0.129	SRV+Double
	reference	Negative selection	0.197	46.954	SRV+Double
	reference	Negative selection, Diversifying selection	0.221	52.917	SRV+Double
	test	Negative selection, Diversifying selection	4.543	0.129	SRV+Double
	test	Negative selection, Diversifying selection	6.537	0.129	SRV+Double
	test	Negative selection	0.27	46.954	SRV+Double
	test	Negative selection	0.296	52.917	SRV+Double
	test	Negative selection	0.197	46.954	SRV+Double
	test	Negative selection, Diversifying selection	12.0221	52.917	SRV+Double
	reference	Negative selection, Diversifying selection	6.247	0.106	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	1	0.113	8.161	SRV	
	2	0.861	82.733	SRV	
	3	3.058	9.106	SRV	
	1	0.116	8.259	SRV	
	2	0.862	82.653	SRV	
	3	3.06	9.087	SRV	
	1	0.112	8.128	SRV	
	2	0.861	82.767	SRV	
	3	3.058	9.105	SRV	
SRV	1	0.118	8.35	SRV	
	2	0.863	82.599	SRV	
	3	3.063	9.051	SRV	
	1	0.11	8.06	SRV	
	2	0.86	82.834	SRV	
	3	3.06	9.107	SRV	
	1	0.107	7.898	SRV	
	2	0.858	82.938	SRV	
	3	3.051	9.165	SRV	
SRV	1	0.111	8.064	SRV	
	2	0.86	82.82	SRV	
	3	3.056	9.115	SRV	
	1	0.112	8.118	SRV	
	2	0.861	82.753	SRV	
	3	3.054	9.128	SRV	
	1	0.114	8.201	SRV	
	2	0.862	82.708	SRV	
	3	3.059	9.09	SRV	
SRV	1	0.111	8.082	SRV	
	2	0.86	82.806	SRV	
	3	3.059	9.112	SRV	

	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0618	SRV+Double+Triple	
	reference		2H	0.0636	SRV+Double+Triple	
	reference		3H	0.1137	SRV+Double+Triple	
	reference		3H	0.115	SRV+Double+Triple	
Multihit (2H/3H) rates (all) (cols 1-6/6)						
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.105	SRV+Double+Triple	
	reference		2H	0.0635	SRV+Double+Triple	
	reference		3H	0.1753	SRV+Double+Triple	
	reference		3H	0.1146	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0617	SRV+Double+Triple	
	reference		2H	0.0636	SRV+Double+Triple	
	reference		3H	0.1136	SRV+Double+Triple	
	reference		3H	0.1149	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1059	SRV+Double+Triple	
	reference		2H	0.0636	SRV+Double+Triple	
	reference		3H	0.1814	SRV+Double+Triple	
	reference		3H	0.1149	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0617	SRV+Double+Triple	
	reference		2H	0.0636	SRV+Double+Triple	
	reference		3H	0.1138	SRV+Double+Triple	
	reference		3H	0.115	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1033	SRV+Double+Triple	
	reference		2H	0.0636	SRV+Double+Triple	
	reference		3H	0.1778	SRV+Double+Triple	
	reference		3H	0.1147	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0617	SRV+Double+Triple	
	reference		2H	0.0636	SRV+Double+Triple	
	reference		3H	0.1134	SRV+Double+Triple	
	reference		3H	0.1151	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1051	SRV+Double+Triple	
	reference		2H	0.0636	SRV+Double+Triple	
	reference		3H	0.1776	SRV+Double+Triple	
	reference		3H	0.115	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0617	SRV+Double+Triple	