

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

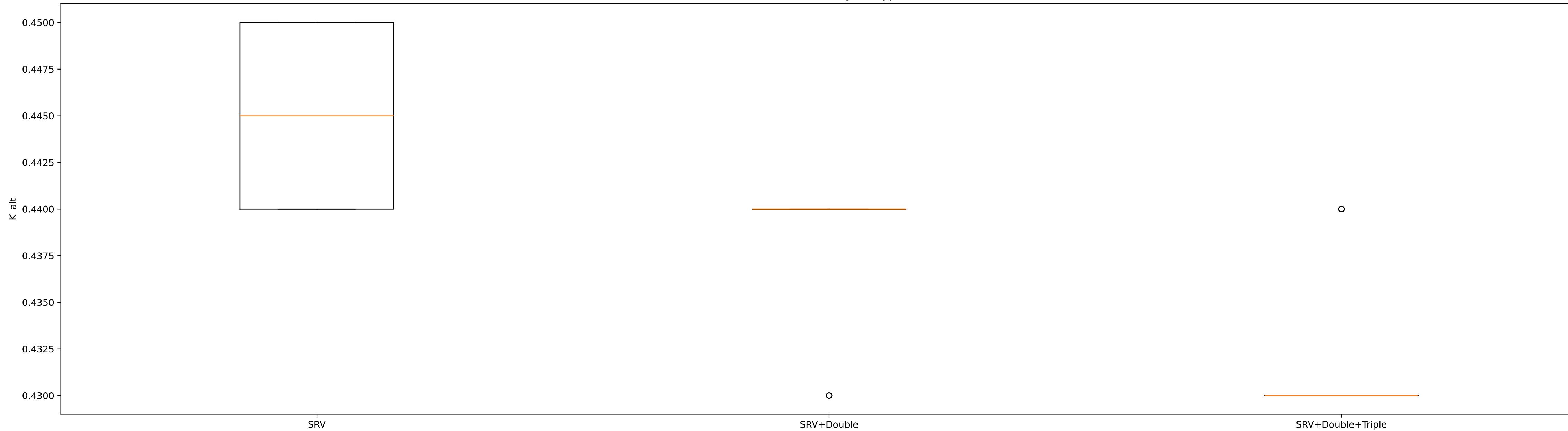
Includes:

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

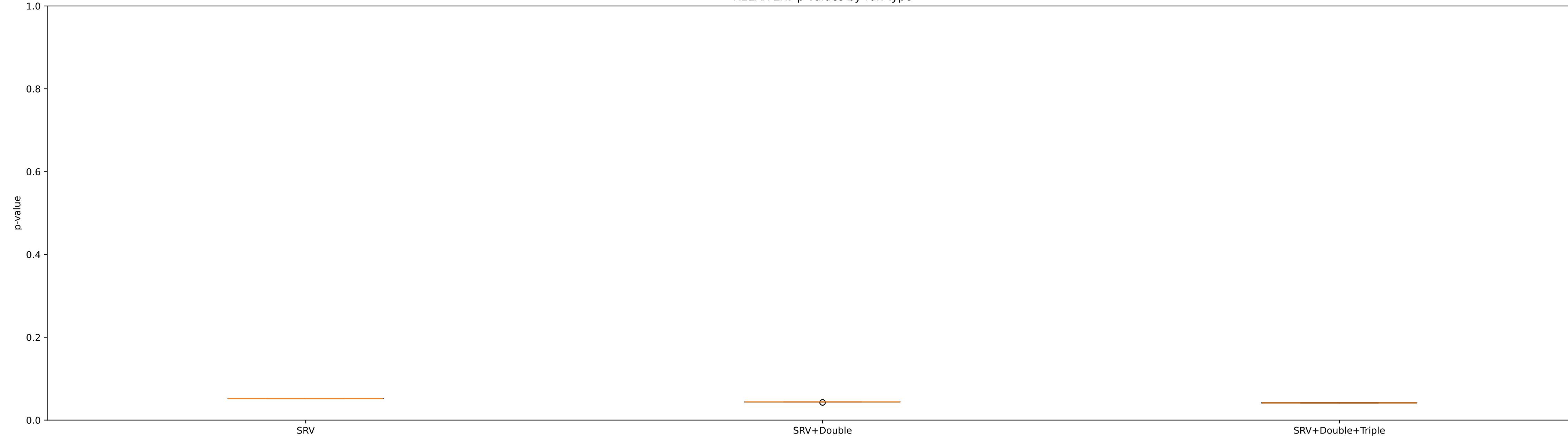
Run-type summary statistics

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
0.0522	0.0518	0.0522	0.445	0.44	0.45	0.2346	0.5011	10	nan	nan
0.044	0.0427	0.0441	0.44	0.43	0.44	0.2346	0.5006	10	0.0638	0.0
0.0417	0.0415	0.0421	0.43	0.43	0.44	0.2345	0.5016	10	0.0601	0.0

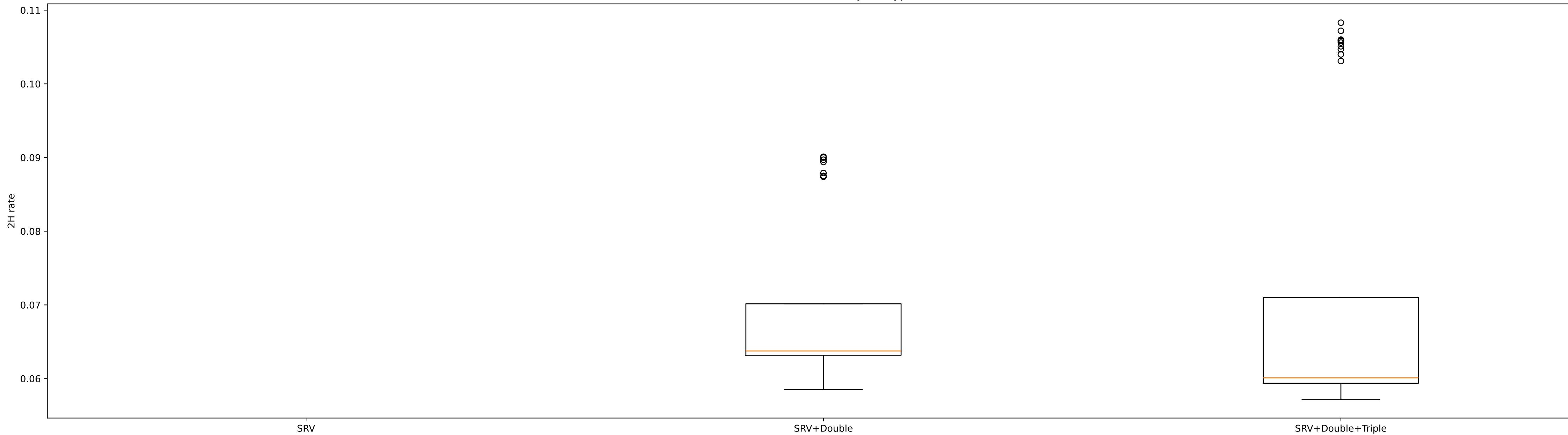
K (alternative) by run type



RELAX LRT p-values by run type



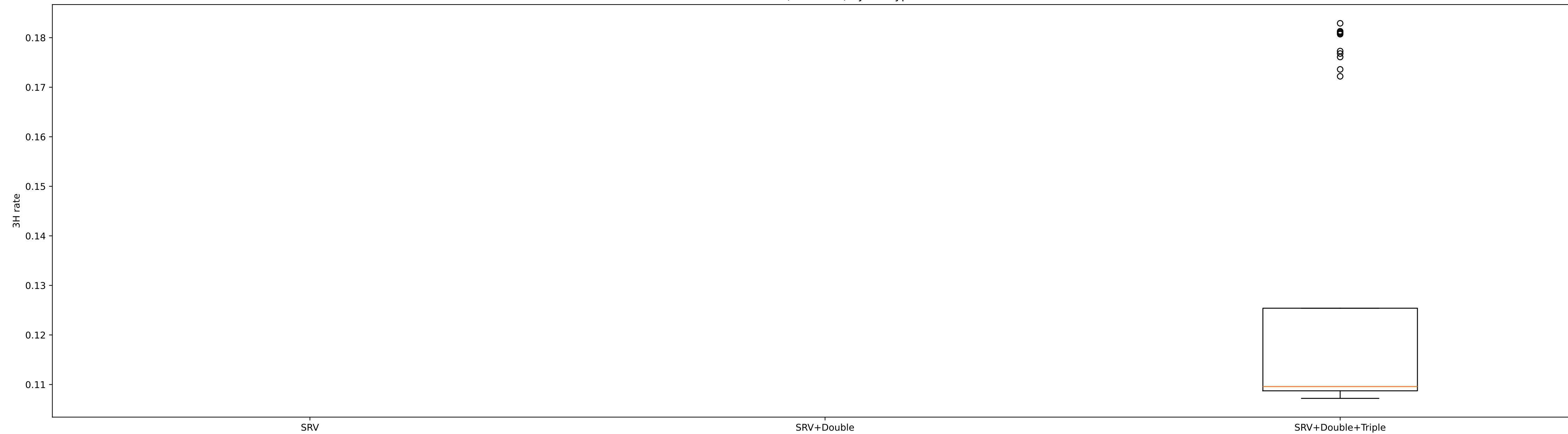
2H rates (reference) by run type



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_re ference	global_dNdS_te st
	1	0.0519	0.44	0.2346	0.5021
	2	0.0521	0.45	0.2344	0.5011
	3	0.0521	0.45	0.2346	0.5
	4	0.0522	0.45	0.235	0.4994
	5	0.0518	0.44	0.2344	0.5011
	6	0.0522	0.44	0.235	0.4994
	7	0.0522	0.45	0.235	0.4994
	8	0.0522	0.45	0.2346	0.5021
	9	0.0519	0.44	0.2344	0.5011
	10	0.0522	0.44	0.2346	0.5021

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.0436	0.44	0.2345	0.5021
	2	0.0441	0.43	0.235	0.4994
	3	0.044	0.44	0.2344	0.5011
	4	0.044	0.44	0.2346	0.5021
	5	0.0439	0.44	0.2346	0.4999
	6	0.0427	0.44	0.2345	0.5021
	7	0.0439	0.43	0.2345	0.5021
	8	0.044	0.44	0.235	0.4994
	9	0.0441	0.44	0.2346	0.5
	10	0.0438	0.44	0.2346	0.4999

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.0415	0.43	0.2345	0.5006
	2	0.0416	0.43	0.2346	0.5021
	3	0.0421	0.43	0.2345	0.5021
	4	0.0417	0.43	0.2345	0.4995
	5	0.0419	0.44	0.2345	0.5021
	6	0.0417	0.43	0.2345	0.5006
	7	0.042	0.44	0.2344	0.5011
	8	0.0417	0.43	0.2345	0.5006
	9	0.0417	0.43	0.2345	0.5021
	10	0.0416	0.43	0.2345	0.5021

	test	Negative selection	0.482	34.174	SRV+Double
	test	Negative selection	0.519	65.724	SRV+Double
	test	Negative selection	0.188	34.174	SRV+Double
	test	Negative selection	0.222	65.724	SRV+Double
	reference	Diversifying selection	0.149	SRV+Double	
	reference	Negative selection	0.2	27.737	SRV+Double
	reference	Negative selection	0.217	72.115	SRV+Double
	test	Diversifying selection	5.822	0.149	SRV+Double
	test	Negative selection	0.2	27.737	SRV+Double
	test	Negative selection	0.217	72.115	SRV+Double
	reference	Diversifying selection	7.372	0.097	SRV+Double
	reference	Negative selection	0.199	55.898	SRV+Double
	reference	Negative selection	0.224	44.005	SRV+Double
	test	Diversifying selection	2.399	0.097	SRV+Double
	test	Diversifying selection	7.372	0.097	SRV+Double
	test	Negative selection	0.493	55.898	SRV+Double
	test	Negative selection	0.52	44.005	SRV+Double
	test	Negative selection	0.199	55.898	SRV+Double
	test	Negative selection	0.224	44.005	SRV+Double
	reference	Diversifying selection	6.555	0.124	SRV+Double
	reference	Negative selection	0.204	59.621	SRV+Double
	reference	Negative selection	0.226	40.255	SRV+Double
	test	Diversifying selection	6.555	0.124	SRV+Double
	test	Negative selection	0.204	59.621	SRV+Double
	test	Negative selection	0.226	40.255	SRV+Double
	reference	Diversifying selection	7.478	0.096	SRV+Double
	reference	Negative selection	0.186	17.712	SRV+Double
	reference	Negative selection	0.216	82.192	SRV+Double
	test	Diversifying selection	2.403	0.096	SRV+Double
	test	Diversifying selection	7.478	0.096	SRV+Double
	test	Negative selection	0.48	17.712	SRV+Double
	test	Negative selection	0.513	82.192	SRV+Double
	test	Negative selection	0.186	17.712	SRV+Double
	test	Negative selection	0.216	82.192	SRV+Double
	reference	Diversifying selection	10.4	0.054	SRV+Double
	reference	Negative selection	0.207	77.225	SRV+Double
	reference	Negative selection	0.239	22.721	SRV+Double
	test	Diversifying selection	10.4	0.054	SRV+Double
	test	Negative selection	0.207	77.225	SRV+Double
	test	Negative selection	0.239	22.721	SRV+Double
	reference	Diversifying selection	7.333	0.097	SRV+Double
	reference	Negative selection	0.209	97.035	SRV+Double
	reference	Negative selection	0.233	2.868	SRV+Double
	test	Diversifying selection	2.378	0.097	SRV+Double
	test	Diversifying selection	7.333	0.097	SRV+Double
	test	Negative selection	0.507	97.035	SRV+Double
	test	Negative selection	0.531	2.868	SRV+Double
	test	Negative selection	0.209	97.035	SRV+Double
	test	Negative selection	12	2.868	SRV+Double
	test	Negative selection	0.233	2.868	SRV+Double
	reference	Diversifying selection	6.351	0.133	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	1	0.119	8.409	SRV	
	2	0.863	82.551	SRV	
	3	3.067	9.04	SRV	
	1	0.119	8.393	SRV	
	2	0.863	82.545	SRV	
	3	3.061	9.062	SRV	
	1	0.12	8.412	SRV	
	2	0.863	82.533	SRV	
	3	3.062	9.056	SRV	
SRV	1	0.122	8.516	SRV	
	2	0.865	82.456	SRV	
	3	3.066	9.028	SRV	
	1	0.123	8.553	SRV	
	2	0.864	82.378	SRV	
	3	3.058	9.069	SRV	
	1	0.117	8.301	SRV	
	2	0.862	82.608	SRV	
	3	3.057	9.092	SRV	
SRV	1	0.114	8.2	SRV	
	2	0.861	82.68	SRV	
	3	3.055	9.119	SRV	
	1	0.12	8.426	SRV	
	2	0.864	82.52	SRV	
	3	3.062	9.054	SRV	
	1	0.117	8.327	SRV	
	2	0.862	82.613	SRV	
	3	3.066	9.06	SRV	
SRV	1	0.119	8.388	SRV	
	2	0.863	82.535	SRV	
	3	3.059	9.077	SRV	

	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0573	SRV+Double+Triple	
	reference		2H	0.0601	SRV+Double+Triple	
	reference		3H	0.1075	SRV+Double+Triple	
	reference		3H	0.1094	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.104	SRV+Double+Triple	
	reference		2H	0.0601	SRV+Double+Triple	
	reference		3H	0.1761	SRV+Double+Triple	
	reference		3H	0.1094	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0573	SRV+Double+Triple	
	reference		2H	0.0601	SRV+Double+Triple	
	reference		3H	0.1074	SRV+Double+Triple	
	reference		3H	0.1095	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1058	SRV+Double+Triple	
	reference		2H	0.06	SRV+Double+Triple	
	reference		3H	0.1829	SRV+Double+Triple	
	reference		3H	0.109	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0572	SRV+Double+Triple	
	reference		2H	0.06	SRV+Double+Triple	
	reference		3H	0.1072	SRV+Double+Triple	
	reference		3H	0.1096	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1056	SRV+Double+Triple	
	reference		2H	0.0601	SRV+Double+Triple	
	reference		3H	0.1807	SRV+Double+Triple	
	reference		3H	0.1094	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0574	SRV+Double+Triple	
	reference		2H	0.0602	SRV+Double+Triple	
	reference		3H	0.1077	SRV+Double+Triple	
	reference		3H	0.1096	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	0.0603	SRV+Double+Triple	
	reference		3H	0.1722	SRV+Double+Triple	
	reference		3H	0.1095	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0575	SRV+Double+Triple	