RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple
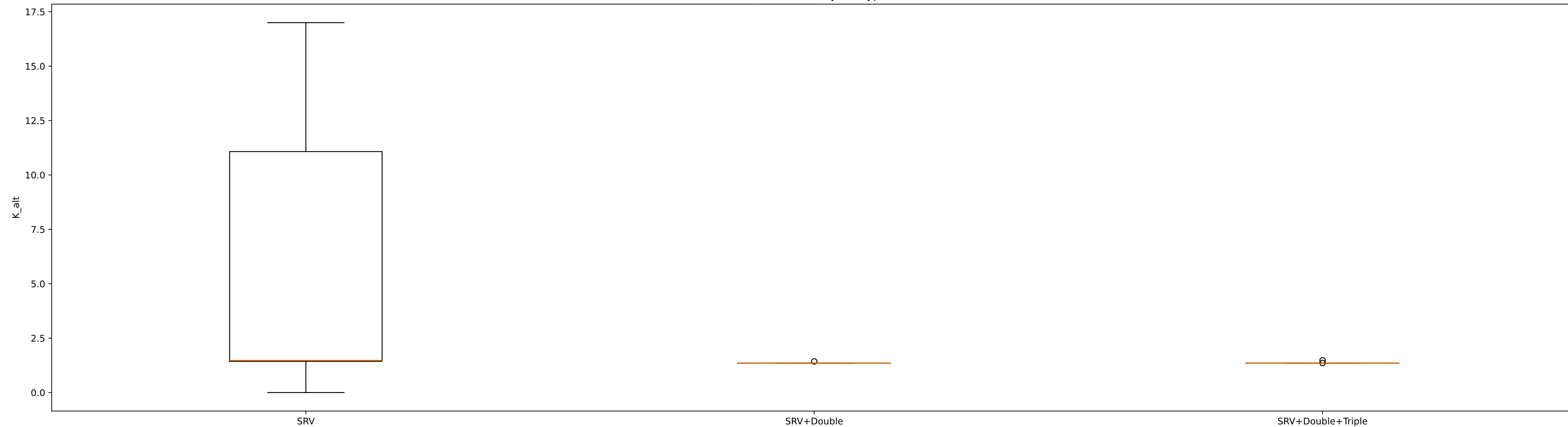
Includes:

- Run-type summary

- Boxplots: K, p-values, 2H/3H

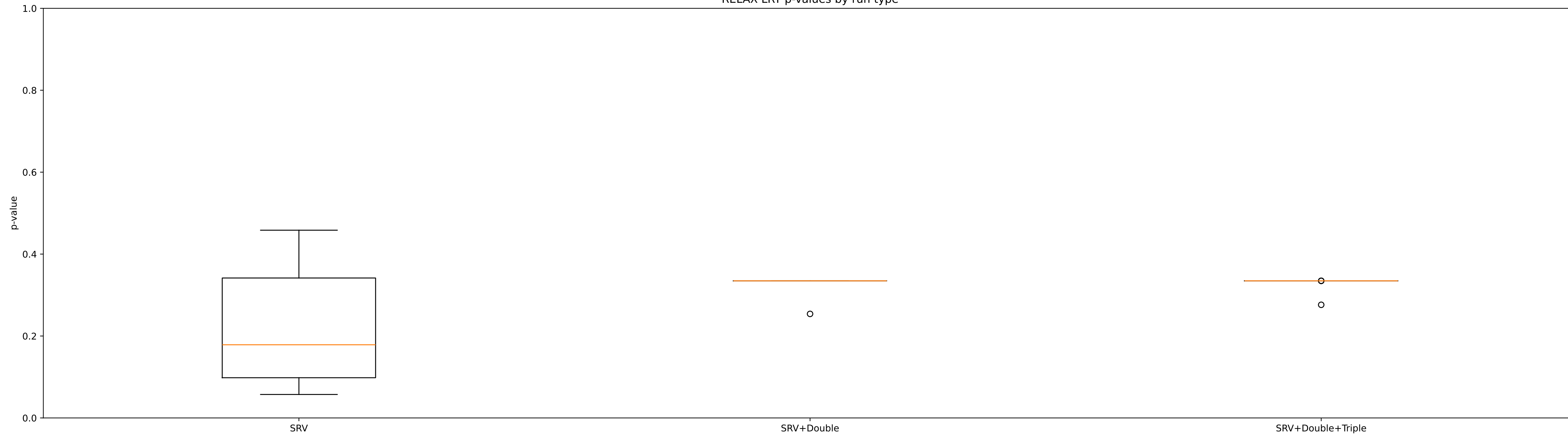- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_median	omega_test_median	warnings_count	2H_reference_median	2H_test_median
0.1786	0.0573	0.4583	1.48	0.0	17.0	0.1892	0.1206	10	nan	nan
0.3347	0.254	0.3348	1.35	1.35	1.43	0.1893	0.1206	10	0.0	0.3984
0.3347	0.2762	0.3348	1.35	1.35	1.48	0.1892	0.1206	10	0.0	0.3984

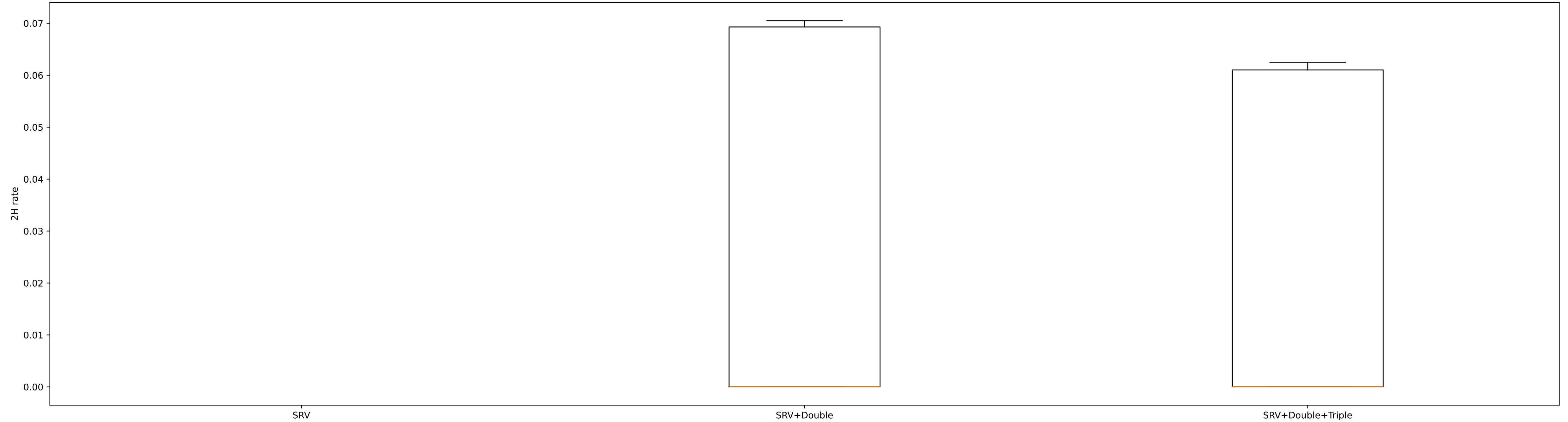K (alternative) by run type

RELAX LRT p-values by run type

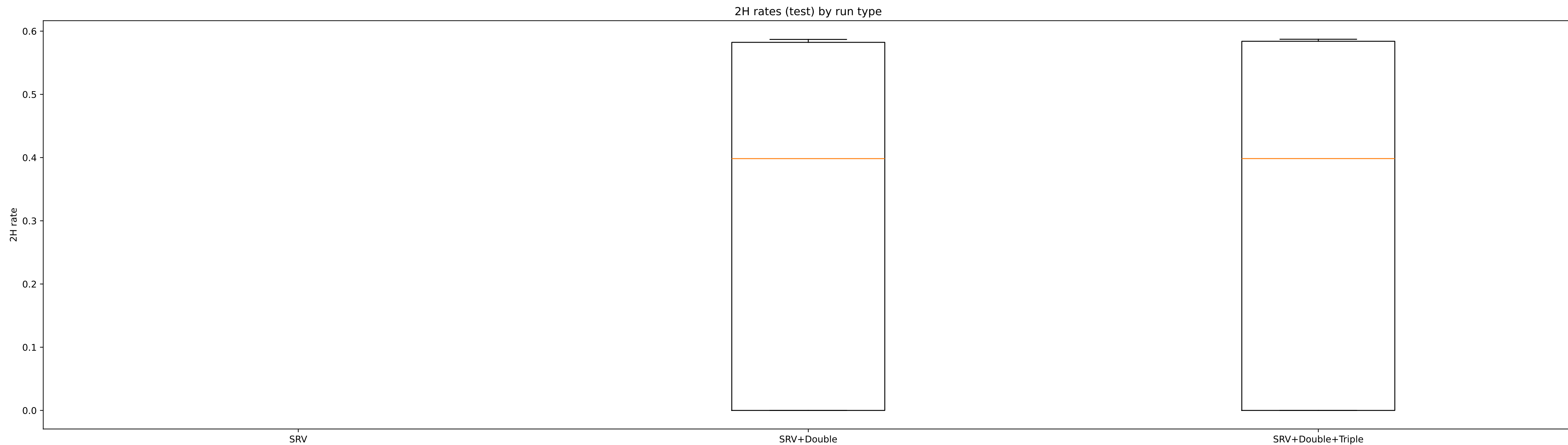2H rates (reference) by run type

2H rates (test) by run type

3H rates (reference) by run type

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3H rates (test) by run type

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.1881	1.43	0.1893	0.1206	
	2	0.3421	1.47	0.1892	0.1206	
	3	0.0575	14.65	0.1892	0.1206	
	4	0.3423	1.46	0.1892	0.1206	
	5	0.3403	0.0	0.1892	0.1206	
	6	0.168	1.49	0.1893	0.1206	
	7	0.1691	1.49	0.1892	0.1206	
	8	0.0749	14.27	0.1892	0.1206	
	9	0.0573	17.0	0.1892	0.1206	
	10	0.4583	1.25	0.1893	0.1206	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3347	1.35	0.1892	0.1206	
	2	0.3348	1.35	0.1893	0.1206	
	3	0.254	1.43	0.1893	0.1206	
	4	0.3348	1.35	0.1893	0.1206	
	5	0.3348	1.35	0.1892	0.1206	
	6	0.3347	1.35	0.1892	0.1206	
	7	0.3347	1.35	0.1893	0.1206	
	8	0.3347	1.35	0.1893	0.1206	
	9	0.3347	1.35	0.1893	0.1206	
	10	0.3348	1.35	0.1893	0.1206	

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

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3348	1.35	0.1892	0.1206	
	2	0.3347	1.35	0.1893	0.1206	
	3	0.3347	1.35	0.1892	0.1206	
	4	0.3348	1.35	0.1892	0.1204	
	5	0.3347	1.36	0.1893	0.1206	
	6	0.3347	1.35	0.1893	0.1206	
	7	0.3347	1.35	0.1892	0.1206	
	8	0.3347	1.35	0.1892	0.1206	
	9	0.2762	1.48	0.1892	0.1204	
	10	0.3346	1.35	0.1892	0.1206	

Ω-class distributions (all) (cols 1-7/7)

reference	Diversifying selection	1.997	0.0	SRV+Double
reference	Negative selection	0.013	0.0	SRV+Double
reference	Negative selection	0.171	100.0	SRV+Double
test	Diversifying selection	1.997	0.0	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.171	100.0	SRV+Double
reference	Diversifying selection	19.375	0.0	SRV+Double
reference	Negative selection	0.0	0.0	SRV+Double
reference	Negative selection	0.18	100.0	SRV+Double
test	Diversifying selection	55.217	0.0	SRV+Double
test	Diversifying selection	19.375	0.0	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.098	100.0	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.18	100.0	SRV+Double
reference	Diversifying selection	2.944	0.0	SRV+Double
reference	Negative selection	0.002	0.0	SRV+Double
reference	Negative selection	0.171	100.0	SRV+Double
test	Diversifying selection	2.944	0.0	SRV+Double
test	Negative selection	0.002	0.0	SRV+Double
test	Negative selection	0.171	100.0	SRV+Double
reference	Diversifying selection	19.504	0.0	SRV+Double
reference	Negative selection	0.0	0.0	SRV+Double
reference	Negative selection	0.18	100.0	SRV+Double
test	Diversifying selection	55.907	0.0	SRV+Double
test	Diversifying selection	19.504	0.0	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.098	100.0	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.18	100.0	SRV+Double
reference	Diversifying selection	2.2	0.0	SRV+Double
reference	Negative selection	0.002	0.0	SRV+Double
reference	Negative selection	0.171	100.0	SRV+Double
test	Diversifying selection	2.2	0.0	SRV+Double
test	Negative selection	0.002	0.0	SRV+Double
test	Negative selection	0.171	100.0	SRV+Double
reference	Diversifying selection	23.271	0.0	SRV+Double
reference	Negative selection	0.001	0.0	SRV+Double
reference	Negative selection	0.18	100.0	SRV+Double
test	Diversifying selection	70.8	0.0	SRV+Double
test	Diversifying selection	23.271	0.0	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.098	100.0	SRV+Double
test	Negative selection	0.001	0.0	SRV+Double
test	Negative selection	0.18	100.0	SRV+Double
reference	Diversifying selection	2.71	0.0	SRV+Double
reference	Negative selection	0.002	0.0	SRV+Double
reference	Negative selection	0.171	100.0	SRV+Double
test	Diversifying selection	2.71	0.0	SRV+Double
test	Negative selection	0.002		SRV+Double

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

	class_id	syn_rate	proportion_percent	run_type	
	1	0.0	27.69	SRV	
	2	0.0	16.152	SRV	
	3	1.781	56.158	SRV	
	1	0.0	28.406	SRV	
	2	0.0	15.489	SRV	
	3	1.782	56.105	SRV	
	1	0.0	20.003	SRV	
	2	0.0	24.794	SRV	
	3	1.811	55.203	SRV	
	1	0.0	14.541	SRV	
	2	0.0	29.335	SRV	
	3	1.782	56.124	SRV	
	1	0.0	29.422	SRV	
	2	0.0	15.258	SRV	
	3	1.808	55.321	SRV	
	1	0.0	14.629	SRV	
	2	0.0	28.487	SRV	
	3	1.758	56.884	SRV	
	1	0.0	14.437	SRV	
	2	0.0	28.699	SRV	
	3	1.758	56.864	SRV	
	1	0.0	38.947	SRV	
	2	0.0	5.81	SRV	
	3	1.81	55.243	SRV	
	1	0.0	18.813	SRV	
	2	0.0	25.973	SRV	
	3	1.811	55.214	SRV	
	1	0.0	15.87	SRV	
	2	0.0	28.929	SRV	
	3	1.812	55.201	SRV	

	reference	2H	0.0	SRV+Double	
	test	2H	0.5844	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.3991	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0625	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.5859	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	0.3985	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0611	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.5852	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	0.3987	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0615	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.5854	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	0.3979	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0621	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.5839	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	0.3987	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0621	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	test	2H	0.5859	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	