RELAX Combined Report
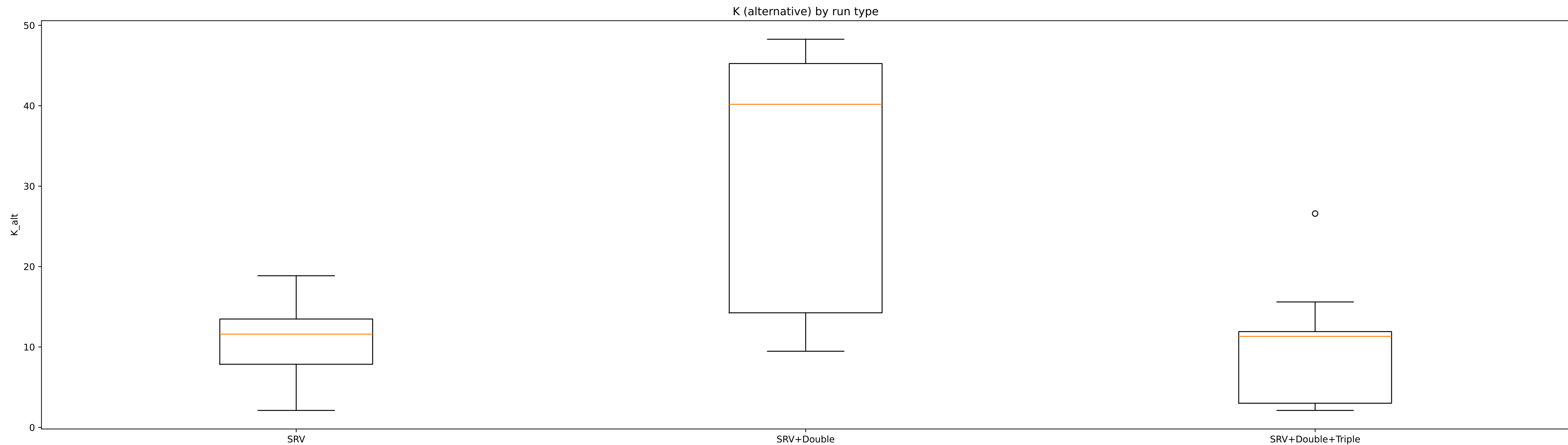
SRV vs SRV+Double vs SRV+Double+Triple
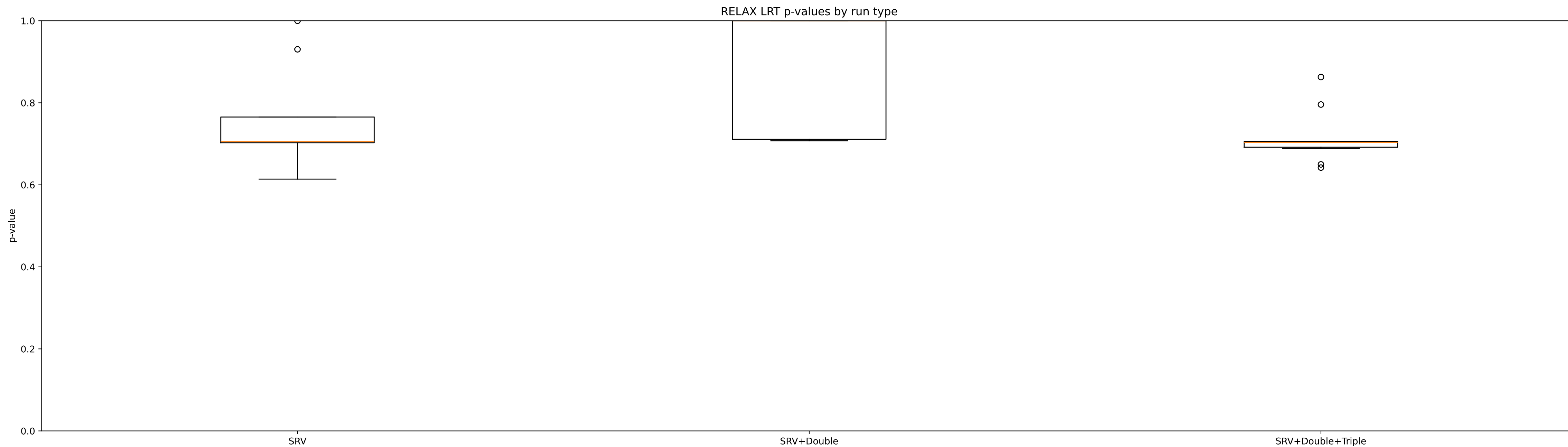
Includes:

- Run-type summary

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

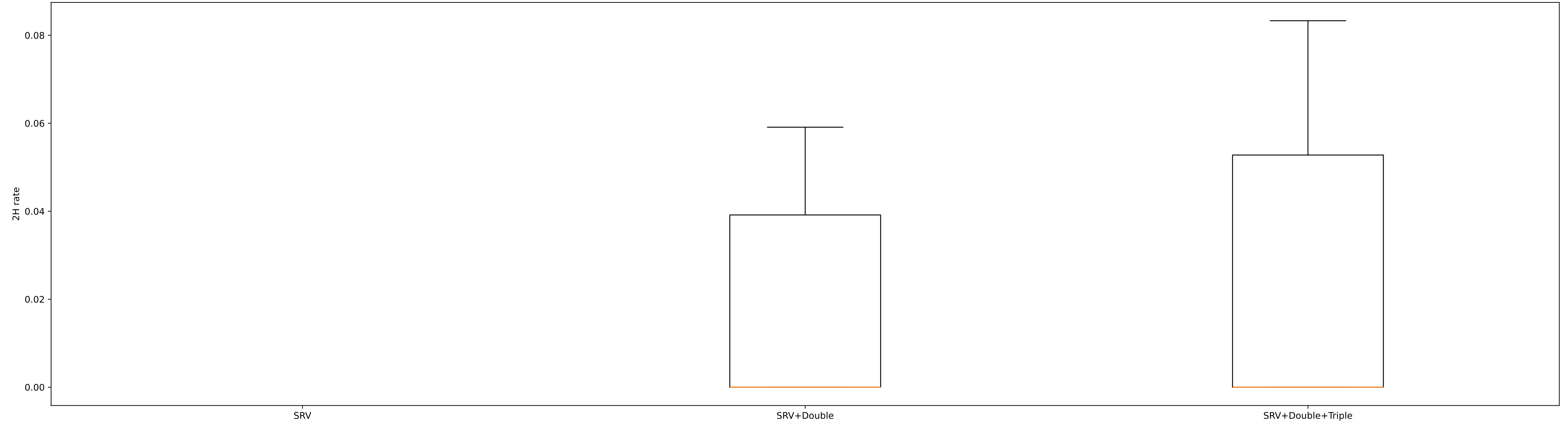- Full omega/SRV/multihit tables (column-paged)

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
0.7052	0.6139	1.0	11.595	2.11	18.86	0.2721	0.2317	8	nan	nan
1.0	0.7074	1.0	40.18	9.47	48.27	0.2721	0.2317	9	0.0	0.0
0.703	0.642	0.8628	11.32	2.11	26.59	0.2721	0.2317	10	0.0	0.0

K (alternative) by run type

RELAX LRT p-values by run type

2H rates (reference) by run type

5

2H rates (test) by run type
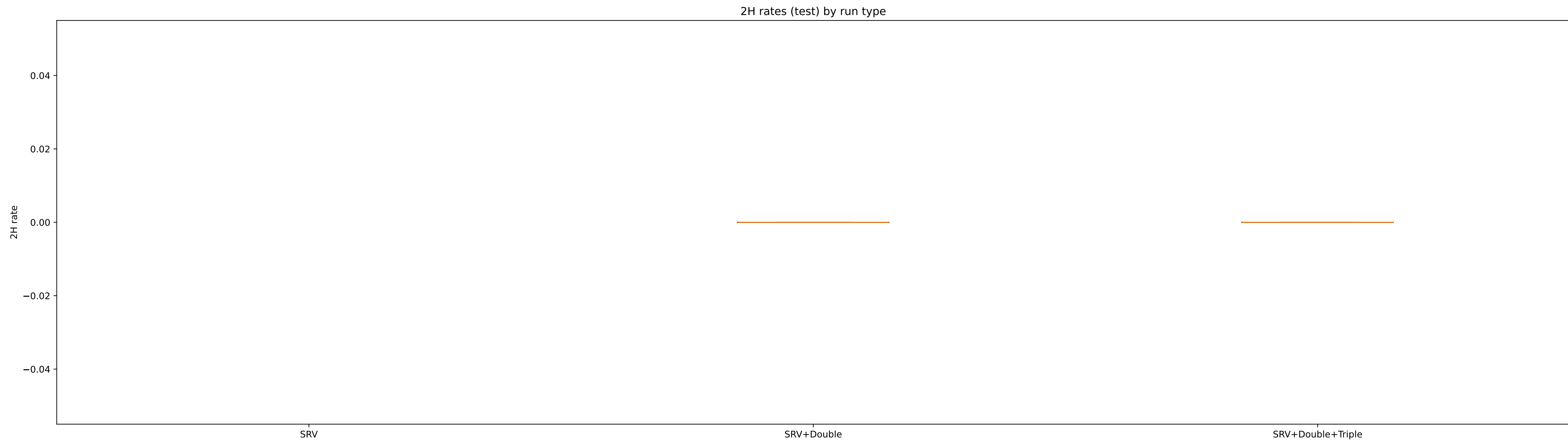
3H rates (reference) by run type
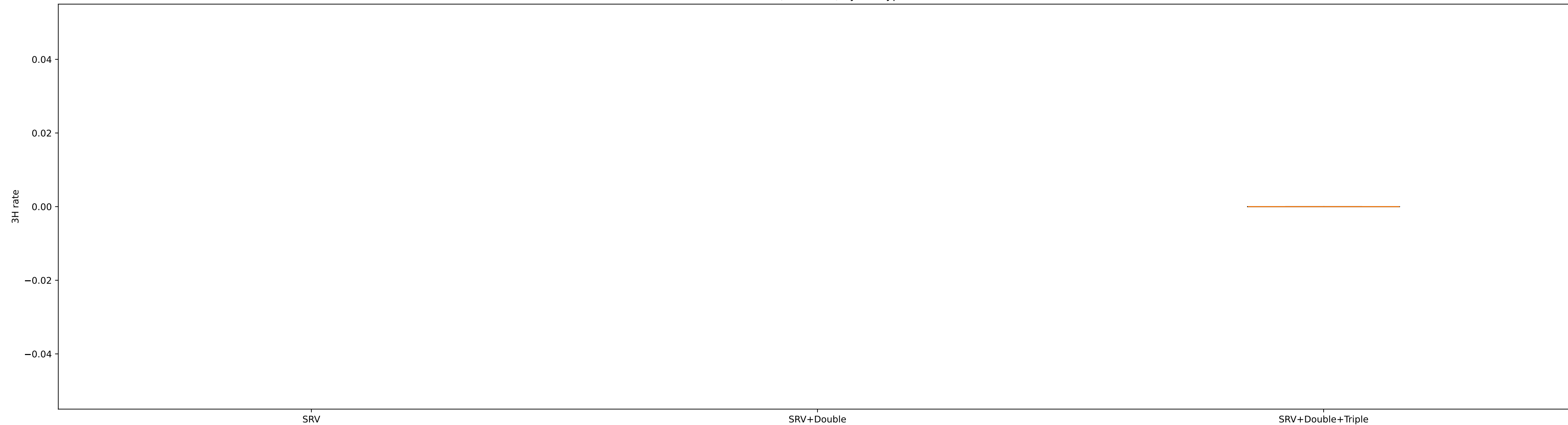
3H rates (test) by run type
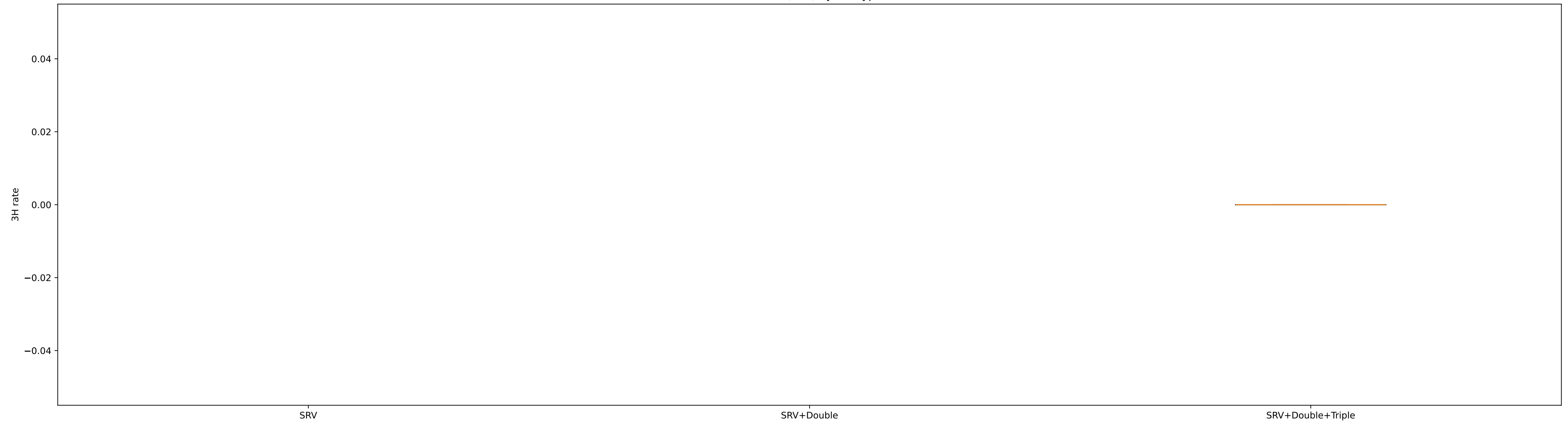
	replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.9304	10.42	0.2721	0.2317	
	2		0.7053	9.72	0.2721	0.2317	
	3		0.7103	18.86	0.2721	0.2317	
	4		0.6969	12.77	0.2722	0.232	
	5		1.0	2.11	0.2721	0.2317	
	6		nan	nan	0.2721	0.2317	
	7		0.7052	13.27	0.2721	0.2317	
	8		0.7045	14.1	0.2721	0.2317	
	9		nan	nan	0.2721	0.2317	
	10		0.6139	2.25	0.2721	0.2317	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7111	10.69	0.2721	0.2317	
	2	1.0	45.25	0.2721	0.2317	
	3	1.0	46.18	0.2721	0.2317	
	4	0.7084	15.56	0.2721	0.2317	
	5	1.0	48.27	0.2721	0.2317	
	6	0.7158	9.47	0.2721	0.2317	
	7	1.0	40.18	0.2721	0.2317	
	8	nan	nan	0.2721	0.2317	
	9	0.7074	14.25	0.2721	0.2317	
	10	1.0	42.32	0.2721	0.2317	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.8628	3.23	0.2721	0.2317	
	2	0.689	26.59	0.2721	0.2317	
	3	0.7048	11.31	0.2721	0.2317	
	4	0.706	11.33	0.2721	0.2317	
	5	0.6498	2.44	0.2721	0.2317	
	6	0.706	11.99	0.2721	0.2317	
	7	0.7001	11.68	0.2721	0.2317	
	8	0.642	2.11	0.2721	0.2317	
	9	0.7011	15.6	0.2721	0.2317	
	10	0.7958	2.93	0.2721	0.2317	

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

test	Negative selection	0.044	74.509	SRV+Double	
test	Neutral evolution	1.0	25.491	SRV+Double	
reference	Negative selection	0.037	73.562	SRV+Double	
reference	Negative selection	0.994	16.147	SRV+Double	
reference	Neutral evolution	1.0	10.291	SRV+Double	
test	Negative selection	0.0	73.562	SRV+Double	
test	Negative selection	0.739	16.147	SRV+Double	
test	Negative selection	0.037	73.562	SRV+Double	
test	Negative selection	0.994	16.147	SRV+Double	
test	Neutral evolution	1.0	10.291	SRV+Double	
test	Neutral evolution	1.0	10.291	SRV+Double	
reference	Negative selection	0.0	64.316	SRV+Double	
reference	Negative selection	0.729	26.68	SRV+Double	
reference	Neutral evolution	1.0	9.004	SRV+Double	
test	Negative selection	0.0	64.316	SRV+Double	
test	Negative selection	0.729	26.68	SRV+Double	
test	Neutral evolution	1.0	9.004	SRV+Double	
reference	Negative selection	0.0	0.263	SRV+Double	
reference	Negative selection	0.045	74.264	SRV+Double	
reference	Neutral evolution	1.0	25.473	SRV+Double	
test	Negative selection	0.0	0.263	SRV+Double	
test	Negative selection	0.0	74.264	SRV+Double	
test	Negative selection	0.0	0.263	SRV+Double	
test	Negative selection	0.045	74.264	SRV+Double	
test	Neutral evolution	1.0	25.473	SRV+Double	
test	Neutral evolution	1.0	25.473	SRV+Double	
reference	Negative selection	0.001	0.0	SRV+Double	
reference	Negative selection	0.044	74.522	SRV+Double	
reference	Neutral evolution	1.0	25.478	SRV+Double	
test	Negative selection	0.001	0.0	SRV+Double	
test	Negative selection	0.044	74.522	SRV+Double	
test	Neutral evolution	1.0	25.478	SRV+Double	
reference	Negative selection	0.034	73.252	SRV+Double	
reference	Negative selection	0.992	17.297	SRV+Double	
reference	Neutral evolution	1.0	9.45	SRV+Double	
test	Negative selection	0.0	73.252	SRV+Double	
test	Negative selection	0.737	17.297	SRV+Double	
test	Negative selection	0.034	73.252	SRV+Double	
test	Negative selection	0.992	17.297	SRV+Double	
test	Neutral evolution	1.0	9.45	SRV+Double	
test	Neutral evolution	1.0	9.45	SRV+Double	
reference	Negative selection	0.0	64.4	SRV+Double	
reference	Negative selection	0.738	27.345	SRV+Double	
reference	Neutral evolution	1.0	8.255	SRV+Double	
test	Negative selection	0.0	64.4	SRV+Double	
test	Negative selection	0.738	27.345	SRV+Double	
test	Neutral evolution	1.0	8.255	SRV+Double	
reference	Negative selection	1.2	1.444	SRV+Double	
reference	Negative selection	0.043	72.779	SRV+Double	
	Neutral evolution	1.0		SRV+Double	

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	2.641	SRV	
	2	0.819	89.932	SRV	
	3	3.546	7.426	SRV	
	1	0.772	90.916	SRV	
	2	3.237	8.322	SRV	
	3	3.777	0.762	SRV	
	1	0.708	58.531	SRV	
	2	0.916	33.157	SRV	
	3	3.391	8.312	SRV	
	1	0.763	83.884	SRV	
	2	0.895	7.114	SRV	
	3	3.29	9.002	SRV	
	1	0.0	3.137	SRV	
	2	0.827	89.824	SRV	
	3	3.65	7.039	SRV	
	1	0.75	28.699	SRV	
	2	0.783	62.262	SRV	
	3	3.286	9.039	SRV	
	1	0.771	90.864	SRV	
	2	3.271	8.719	SRV	
	3	3.309	0.417	SRV	
	1	0.727	70.797	SRV	
	2	0.979	21.067	SRV	
	3	3.433	8.137	SRV	

	reference	2H		0.0	SRV+Double
	test	2H		0.0	SRV+Double
	reference	2H		0.0532	SRV+Double+Triple
	reference	2H	Multihit (2H/3H) rates (all) (cols 1-6/6)	0.0	SRV+Double+Triple
	reference	3H		0.0	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		0.0	SRV+Double+Triple
	test	2H		0.0	SRV+Double+Triple
	test	3H		0.0	SRV+Double+Triple
	reference	2H		0.0512	SRV+Double+Triple
	reference	2H		0.0	SRV+Double+Triple
	reference	3H		0.0	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		0.0	SRV+Double+Triple
	test	2H		0.0	SRV+Double+Triple
	test	3H		0.0	SRV+Double+Triple
	reference	2H		0.0658	SRV+Double+Triple
	reference	2H		0.0	SRV+Double+Triple
	reference	3H		0.0	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		0.0	SRV+Double+Triple
	test	2H		0.0	SRV+Double+Triple
	test	3H		0.0	SRV+Double+Triple
	reference	2H		0.0549	SRV+Double+Triple
	reference	2H		0.0	SRV+Double+Triple
	reference	3H		0.0	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		0.0	SRV+Double+Triple
	test	2H		0.0	SRV+Double+Triple
	test	3H		0.0	SRV+Double+Triple
	reference	2H		0.0515	SRV+Double+Triple
	reference	2H		0.0	SRV+Double+Triple
	reference	3H		0.0	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		0.0	SRV+Double+Triple
	test	2H		0.0	SRV+Double+Triple
	test	3H		0.0	SRV+Double+Triple
	reference	2H	14	0.0646	SRV+Double+Triple
	reference	2H		0.0	SRV+Double+Triple