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)
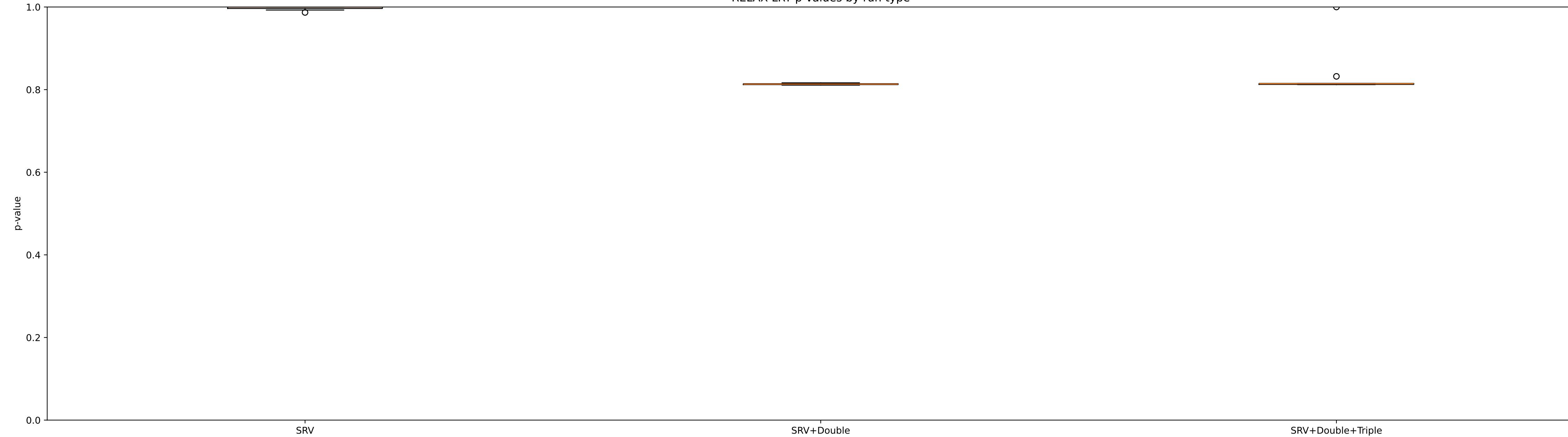
Run-type summary statistics

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
1.0	0.9868	1.0	1.0	0.98	1.0	0.27	0.3247	10	nan	nan
0.8134	0.8109	0.8164	0.93	0.93	0.93	0.27	0.3247	10	0.0	0.0959
0.8143	0.8121	1.0	0.93	0.93	0.94	0.27	0.3247	10	0.0	0.0958
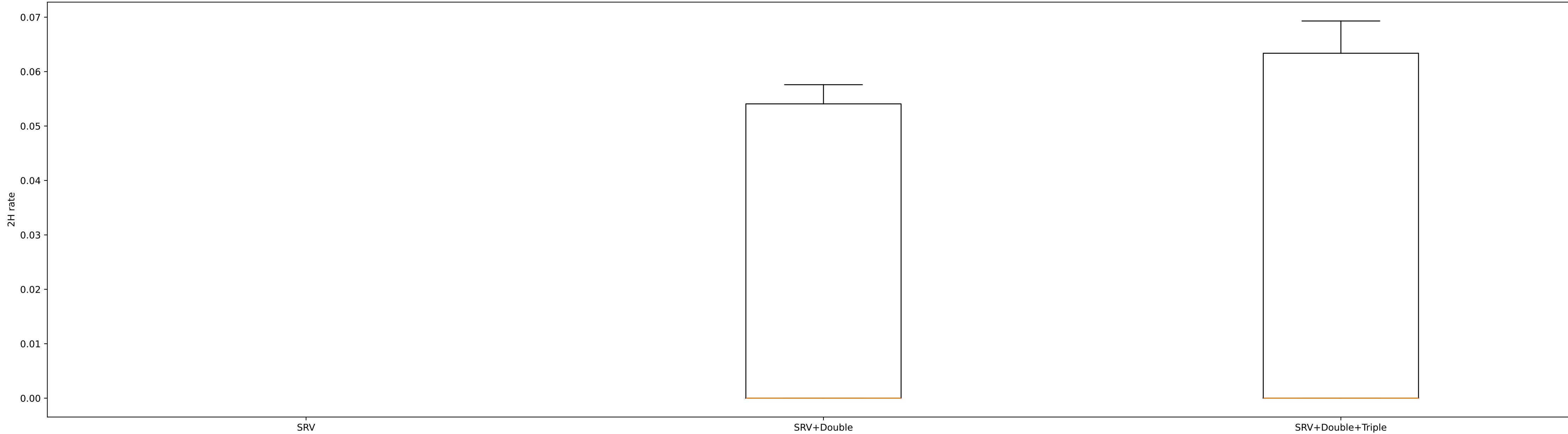
K (alternative) by run type

3
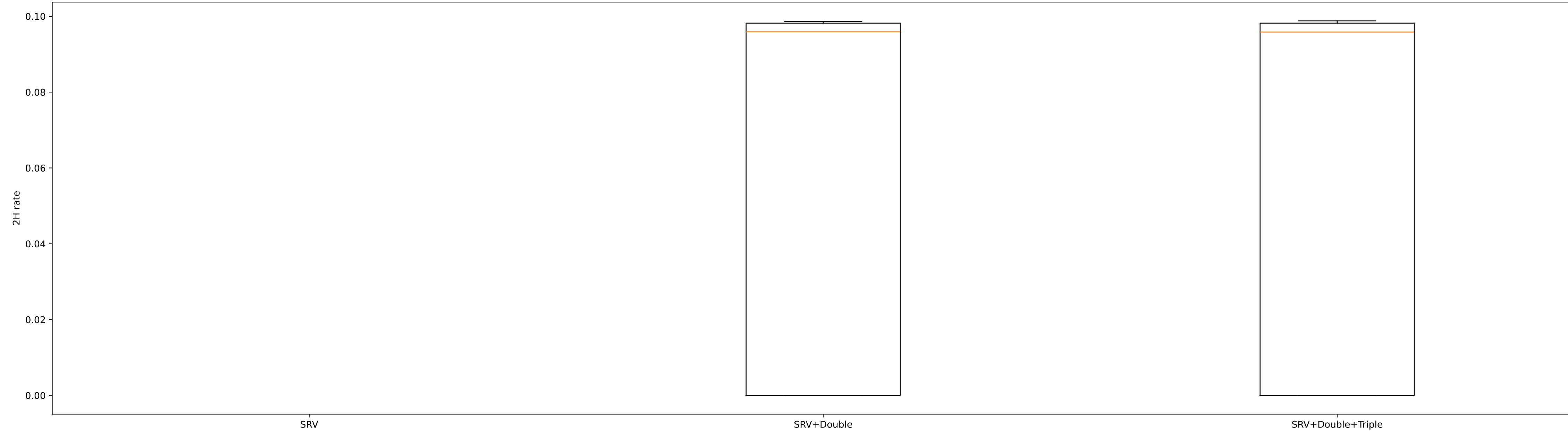
RELAX LRT p-values by run type
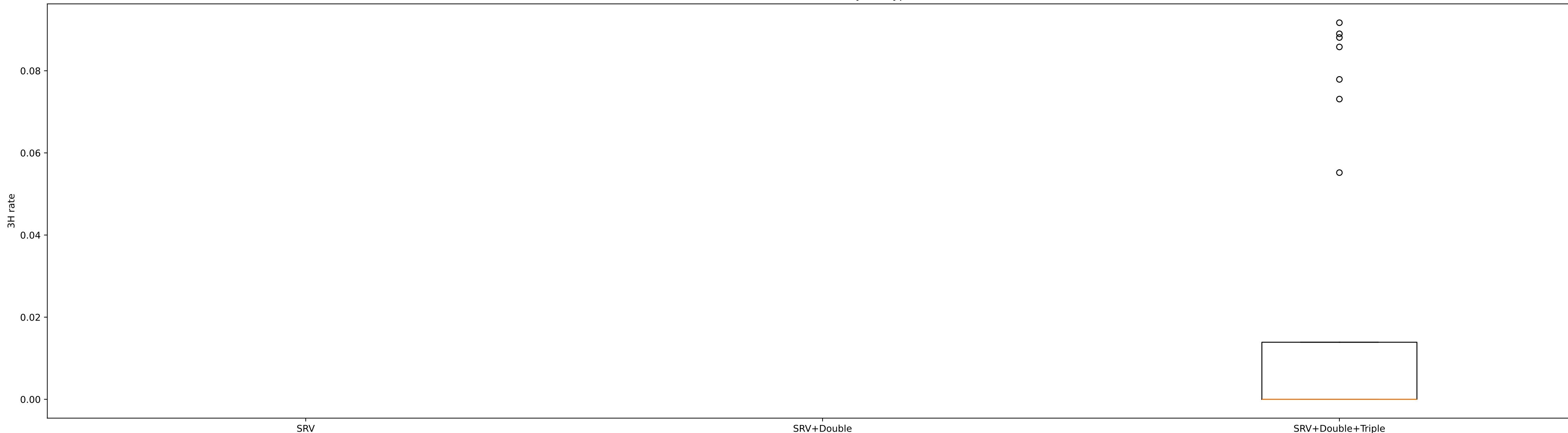
2H rates (reference) by run type
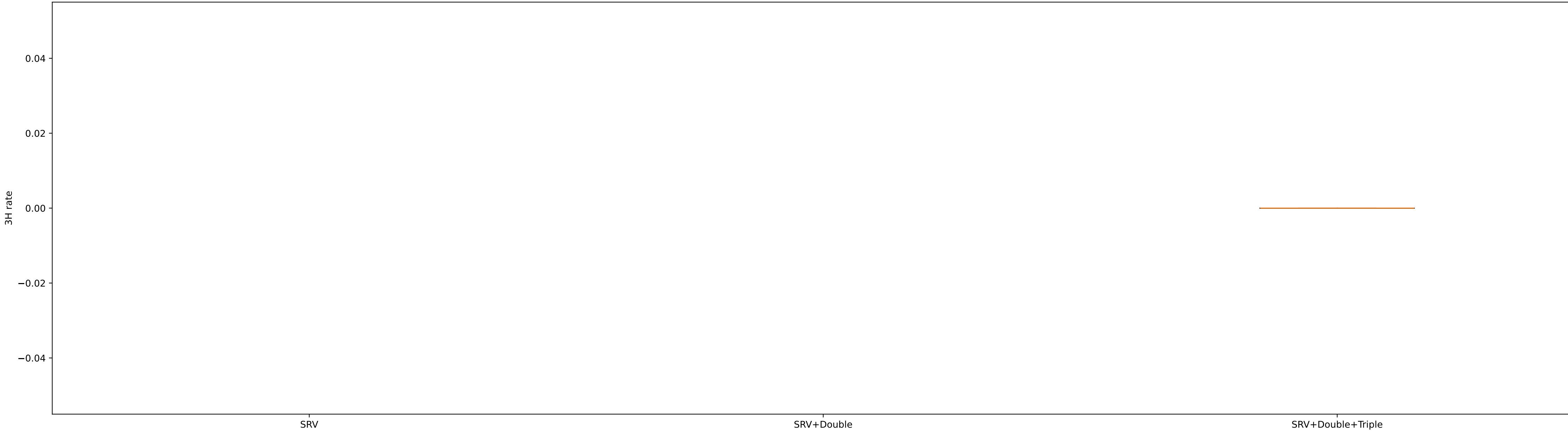
2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.9926	1.0	0.27	0.3247	
	2	1.0	1.0	0.27	0.3247	
	3	1.0	1.0	0.27	0.3247	
	4	1.0	1.0	0.27	0.3247	
	5	1.0	1.0	0.27	0.3247	
	6	0.9868	0.99	0.27	0.3247	
	7	0.9953	1.0	0.27	0.3247	
	8	1.0	0.98	0.27	0.3247	
	9	1.0	1.0	0.27	0.3247	
	10	1.0	1.0	0.27	0.3247	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.8115	0.93	0.27	0.3247	
2	0.8145	0.93	0.27	0.3247	
3	0.8109	0.93	0.27	0.3247	
4	0.8126	0.93	0.27	0.3247	
5	0.8144	0.93	0.27	0.3247	
6	0.8131	0.93	0.27	0.3247	
7	0.8143	0.93	0.27	0.3247	
8	0.8136	0.93	0.27	0.3247	
9	0.8164	0.93	0.27	0.3247	
10	0.812	0.93	0.27	0.3247	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.8143	0.93	0.27	0.3247	
	2	0.8147	0.93	0.27	0.3247	
	3	0.8129	0.93	0.27	0.3247	
	4	0.8151	0.94	0.27	0.3247	
	5	1.0	0.94	0.27	0.3247	
	6	0.8124	0.93	0.27	0.3247	
	7	0.8121	0.93	0.27	0.3247	
	8	0.8143	0.93	0.27	0.3247	
	9	0.8125	0.93	0.27	0.3247	
	10	0.8321	0.94	0.27	0.3247	

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

test	Negative selection	0.272	99.486	SRV+Double	
test	Negative selection	0.279	0.078	SRV+Double	
test	Negative selection	0.248	99.486	SRV+Double	
test	Negative selection	0.256	0.078	SRV+Double	
reference	Diversifying selection	0.943	0.474	SRV+Double	
reference	Negative selection	0.249	99.494	SRV+Double	
reference	Negative selection	0.251	0.032	SRV+Double	
test	Diversifying selection	5.007	0.474	SRV+Double	
test	Negative selection	0.249	99.494	SRV+Double	
test	Negative selection	0.251	0.032	SRV+Double	
reference	Diversifying selection	4.838	0.469	SRV+Double	
reference	Negative selection	0.246	97.727	SRV+Double	
reference	Negative selection	0.302	1.804	SRV+Double	
test	Diversifying selection	4.341	0.469	SRV+Double	
test	Diversifying selection	4.838	0.469	SRV+Double	
test	Negative selection	0.271	97.727	SRV+Double	
test	Negative selection	0.328	1.804	SRV+Double	
test	Negative selection	0.246	97.727	SRV+Double	
test	Negative selection	0.302	1.804	SRV+Double	
reference	Diversifying selection	5.07	0.466	SRV+Double	
reference	Negative selection	0.249	97.7	SRV+Double	
reference	Negative selection	0.257	1.834	SRV+Double	
test	Diversifying selection	5.07	0.466	SRV+Double	
test	Negative selection	0.249	97.7	SRV+Double	
test	Negative selection	0.257	1.834	SRV+Double	
reference	Diversifying selection	4.916	0.454	SRV+Double	
reference	Negative selection	0.247	97.913	SRV+Double	
reference	Negative selection	0.297	1.633	SRV+Double	
test	Diversifying selection	4.408	0.454	SRV+Double	
test	Diversifying selection	4.916	0.454	SRV+Double	
test	Negative selection	0.272	97.913	SRV+Double	
test	Negative selection	0.323	1.633	SRV+Double	
test	Negative selection	0.247	97.913	SRV+Double	
test	Negative selection	0.297	1.633	SRV+Double	
reference	Diversifying selection	5.093	0.461	SRV+Double	
reference	Negative selection	0.248	1.68	SRV+Double	
reference	Negative selection	0.249	97.859	SRV+Double	
test	Diversifying selection	5.093	0.461	SRV+Double	
test	Negative selection	0.248	1.68	SRV+Double	
test	Negative selection	0.249	97.859	SRV+Double	
reference	Diversifying selection	4.889	0.458	SRV+Double	
reference	Negative selection	0.246	96.778	SRV+Double	
reference	Negative selection	0.303	2.763	SRV+Double	
test	Diversifying selection	4.368	0.458	SRV+Double	
test	Diversifying selection	4.889	0.458	SRV+Double	
test	Negative selection	0.272	96.778	SRV+Double	
test	Negative selection	0.33	2.763	SRV+Double	
test	Negative selection	0.246	96.778	SRV+Double	
test	Negative selection	0.303	2.763	SRV+Double	
reference	Diversifying selection	5.076	0.465	SRV+Double	

	class_id	syn_rate	proportion_percent	run_type	
	1	0.0	9.843	SRV	
	2	0.881	81.129	SRV	
	3	3.156	9.027	SRV	
	1	0.0	9.694	SRV	
	2	0.877	81.111	SRV	
	3	3.137	9.195	SRV	
	1	0.343	30.845	SRV	
	2	1.044	61.233	SRV	
	3	3.215	7.922	SRV	
	1	0.0	9.778	SRV	
	2	0.88	81.171	SRV	
	3	3.152	9.052	SRV	
	1	0.501	51.463	SRV	
	2	1.18	39.164	SRV	
	3	2.988	9.372	SRV	
	1	0.0	9.88	SRV	
	2	0.882	81.123	SRV	
	3	3.159	8.997	SRV	
	1	0.0	9.738	SRV	
	2	0.879	81.093	SRV	
	3	3.137	9.169	SRV	
	1	0.0	10.591	SRV	
	2	0.904	81.389	SRV	
	3	3.296	8.02	SRV	
	1	0.0	9.483	SRV	
	2	0.872	81.1	SRV	
	3	3.107	9.417	SRV	
	1	0.0	9.627	SRV	
	2	0.877	81.164	SRV	
	3	3.134	9.209	SRV	

reference	2H		0.0	SRV+Double+Triple	
reference	3H		0.0917	SRV+Double+Triple	
reference	3H		0.0	SRV+Double+Triple	
test	2H	Multihit (2H/3H) rates (all) (cols 1-6/6)	0.0983	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		0.0956	SRV+Double+Triple	
test	2H		0.0	SRV+Double+Triple	
test	3H		0.0	SRV+Double+Triple	
reference	2H		0.0663	SRV+Double+Triple	
reference	2H		0.0	SRV+Double+Triple	
reference	3H		0.0552	SRV+Double+Triple	
reference	3H		0.0	SRV+Double+Triple	
test	2H		0.0983	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		0.0959	SRV+Double+Triple	
test	2H		0.0	SRV+Double+Triple	
test	3H		0.0	SRV+Double+Triple	
reference	2H		0.0633	SRV+Double+Triple	
reference	2H		0.0	SRV+Double+Triple	
reference	3H		0.0139	SRV+Double+Triple	
reference	3H		0.0	SRV+Double+Triple	
test	2H		0.0984	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		0.0964	SRV+Double+Triple	
test	2H		0.0	SRV+Double+Triple	
test	3H		0.0	SRV+Double+Triple	
reference	2H		0.0634	SRV+Double+Triple	
reference	2H		0.0	SRV+Double+Triple	
reference	3H		0.0126	SRV+Double+Triple	
reference	3H		0.0	SRV+Double+Triple	
test	2H		0.0988	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		0.0955	SRV+Double+Triple	
test	2H		0.0	SRV+Double+Triple	
test	3H		0.0	SRV+Double+Triple	
reference	2H		0.0681	SRV+Double+Triple	
reference	2H		0.0	SRV+Double+Triple	
reference	3H		0.0858	SRV+Double+Triple	
reference	3H		0.0	SRV+Double+Triple	
test	2H	14	0.0975	SRV+Double+Triple	
test	3H		0.0	SRV+Double+Triple	