

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

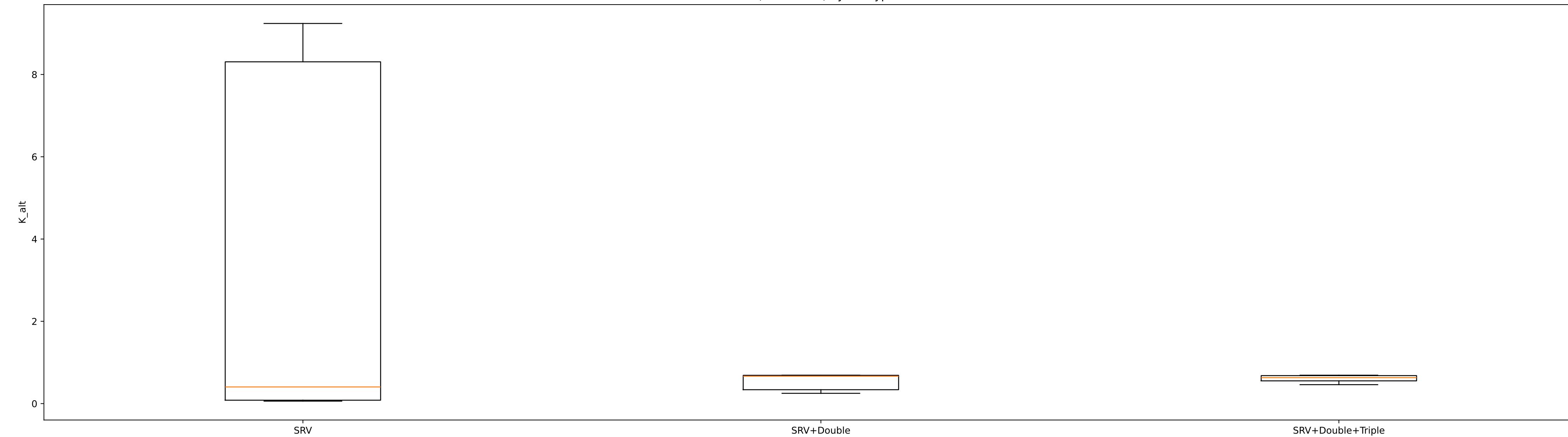
Includes:

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

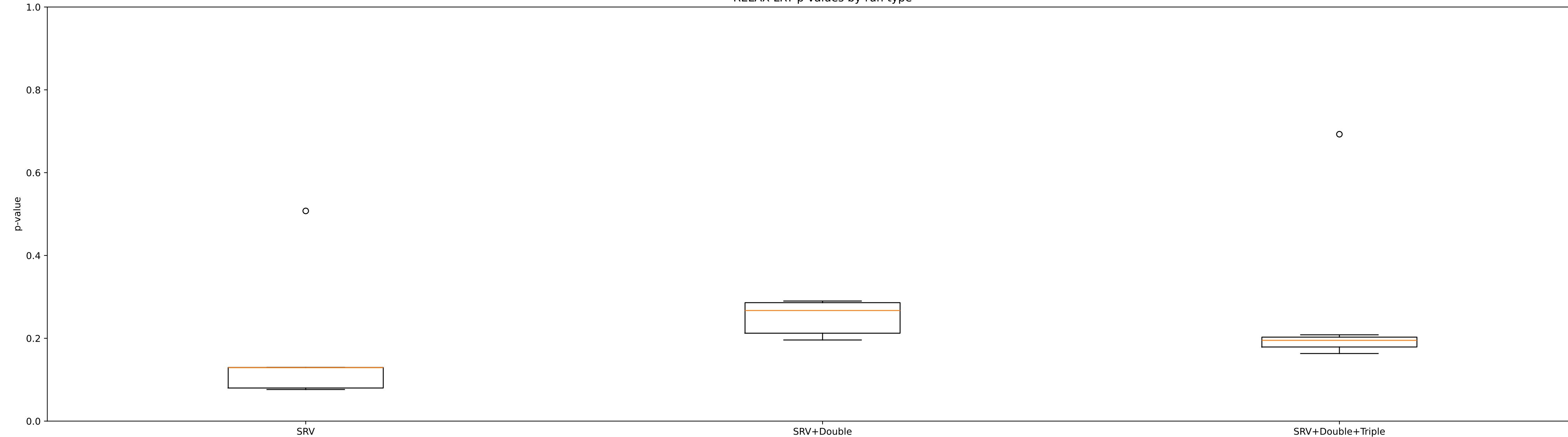
Run-type summary statistics

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
0.1292	0.0763	0.5076	0.405	0.06	9.24	0.2163	0.3712	10	nan	nan
0.2671	0.1959	0.29	0.665	0.25	0.69	0.2163	0.3712	10	0.0	0.0792
0.195	0.1632	0.6928	0.63	0.46	0.69	0.2163	0.3712	10	0.0	0.1122

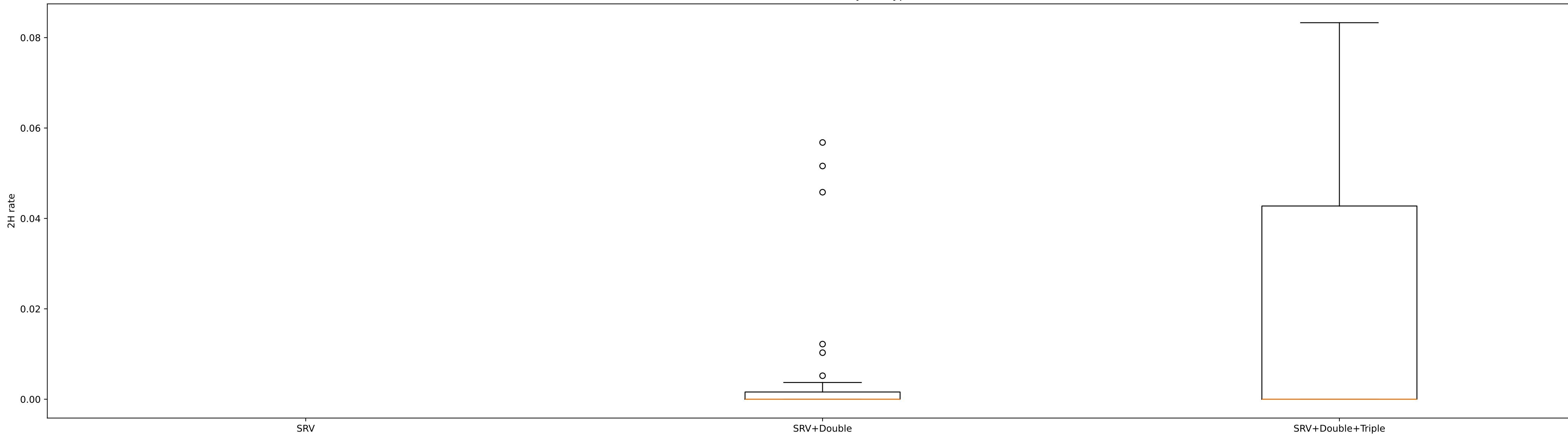
K (alternative) by run type



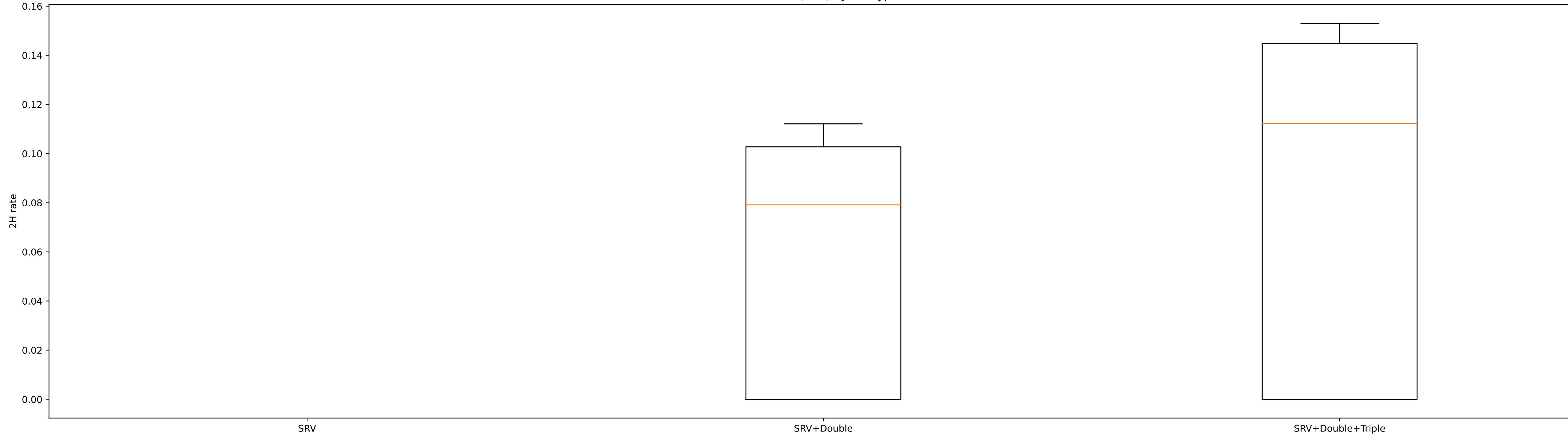
RELAX LRT p-values by run type



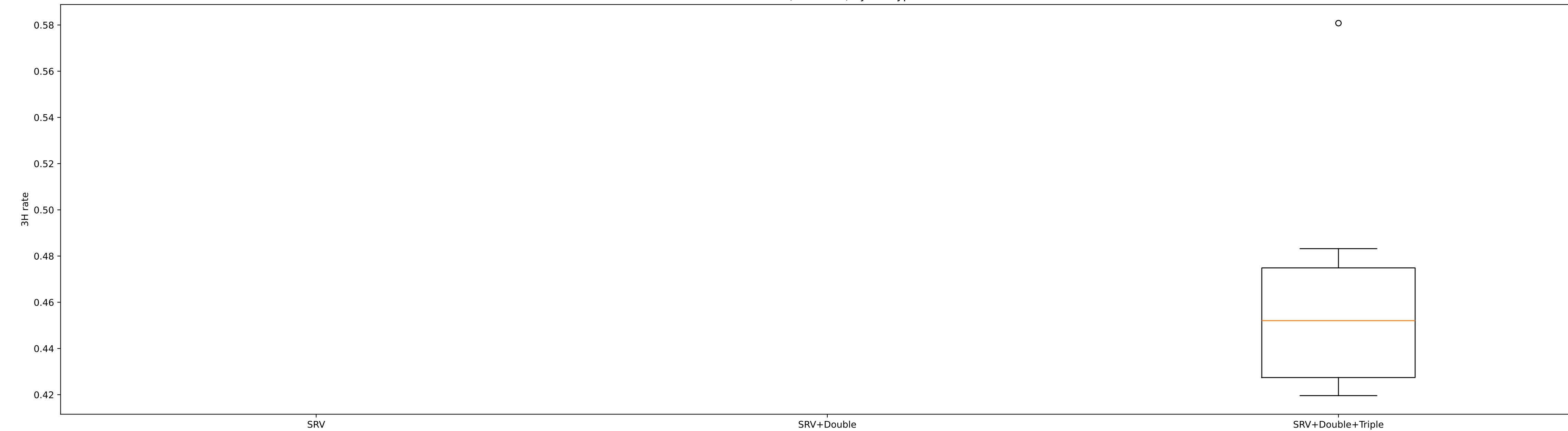
2H rates (reference) by run type



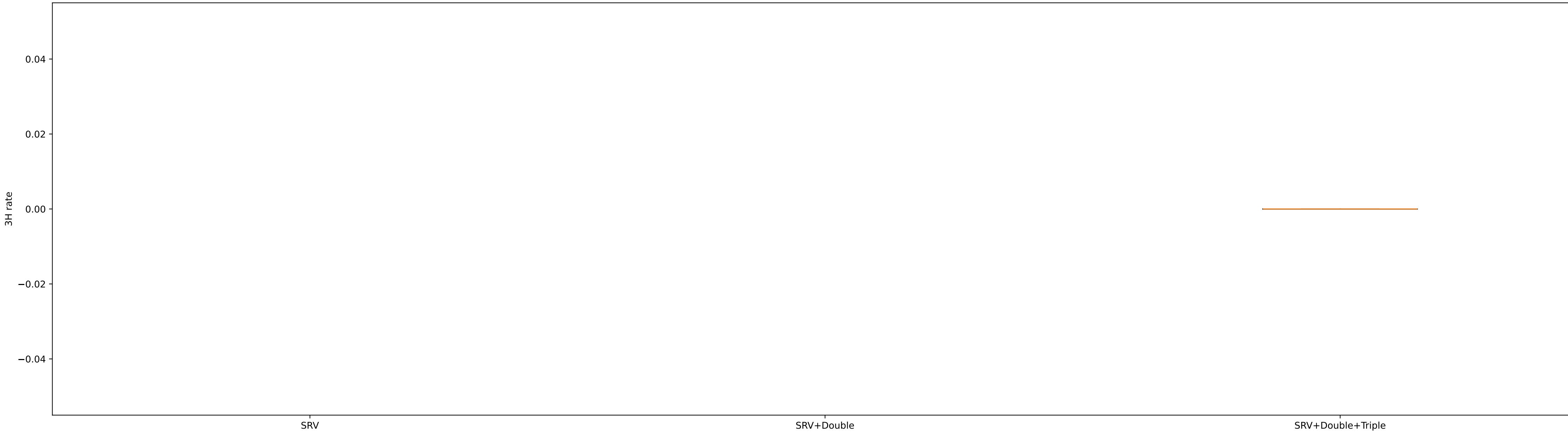
2H rates (test) by run type



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	0.0783	8.36	0.2163	0.3712
	2	0.0798	8.21	0.2163	0.3712
	3	0.0803	8.34	0.2163	0.3712
	4	0.1291	0.08	0.2163	0.3712
	5	0.5076	0.72	0.2163	0.3712
	6	0.1294	0.09	0.2163	0.3712
	7	0.1296	0.08	0.2163	0.3712
	8	0.1294	0.09	0.2163	0.3712
	9	0.0763	9.24	0.2163	0.3712
	10	0.1295	0.06	0.2163	0.3712

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.2848	0.68	0.2163	0.3712
	2	0.29	0.69	0.2163	0.3712
	3	0.2578	0.57	0.2163	0.3712
	4	0.2764	0.65	0.2163	0.3712
	5	0.2865	0.69	0.2163	0.3712
	6	0.2551	0.68	0.2163	0.3712
	7	0.1977	0.26	0.2163	0.3712
	8	0.198	0.26	0.2163	0.3712
	9	0.2887	0.69	0.2163	0.3712
	10	0.1959	0.25	0.2163	0.3712

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.203	0.69	0.2163	0.3712
	2	0.1758	0.53	0.2163	0.3712
	3	0.2021	0.68	0.2163	0.3712
	4	0.1632	0.46	0.2163	0.3712
	5	0.6928	0.69	0.2163	0.3712
	6	0.1785	0.55	0.2163	0.3712
	7	0.2084	0.68	0.2163	0.3712
	8	0.1996	0.65	0.2163	0.3712
	9	0.1905	0.61	0.2163	0.3712
	10	0.1805	0.56	0.2163	0.3712

	test	Negative selection	0.0	20.961	SRV+Double
	test	Negative selection	0.147	65.654	SRV+Double
	test	Neutral evolution	1.0	13.385	SRV+Double
	test	Neutral evolution	1.0	13.385	SRV+Double
	reference	Diversifying selection	0.0	14.582	SRV+Double
	reference	Negative selection	0.0	23.634	SRV+Double
	reference	Negative selection	0.149	61.784	SRV+Double
	test	Diversifying selection	1.007	14.582	SRV+Double
	test	Negative selection	0.0	23.634	SRV+Double
	test	Negative selection	0.149	61.784	SRV+Double
	reference	Negative selection	0.0	0.0	SRV+Double
	reference	Negative selection	0.108	86.318	SRV+Double
	reference	Neutral evolution	1.0	13.682	SRV+Double
	test	Negative selection	0.001	0.0	SRV+Double
	test	Negative selection	0.213	86.318	SRV+Double
	test	Negative selection	0.0	0.0	SRV+Double
	test	Negative selection	0.108	86.318	SRV+Double
	test	Neutral evolution	1.0	13.682	SRV+Double
	test	Neutral evolution	1.0	13.682	SRV+Double
	reference	Diversifying selection	1.021	14.673	SRV+Double
	reference	Negative selection	0.0	0.373	SRV+Double
	reference	Negative selection	0.105	84.954	SRV+Double
	test	Diversifying selection	1.021	14.673	SRV+Double
	test	Negative selection	0.0	0.373	SRV+Double
	test	Negative selection	0.105	84.954	SRV+Double
	reference	Negative selection	0.108	86.587	SRV+Double
	reference	Negative selection	0.97	0.374	SRV+Double
	reference	Neutral evolution	1.0	13.039	SRV+Double
	test	Negative selection	0.222	86.587	SRV+Double
	test	Negative selection	0.98	0.374	SRV+Double
	test	Negative selection	0.108	86.587	SRV+Double
	test	Negative selection	0.97	0.374	SRV+Double
	test	Neutral evolution	1.0	13.039	SRV+Double
	test	Neutral evolution	1.0	13.039	SRV+Double
	reference	Diversifying selection	1.038	12.093	SRV+Double
	reference	Negative selection	0.106	85.702	SRV+Double
	reference	Neutral evolution	1.0	2.205	SRV+Double
	test	Diversifying selection	1.038	12.093	SRV+Double
	test	Negative selection	0.106	85.702	SRV+Double
	test	Neutral evolution	1.0	2.205	SRV+Double
	reference	Negative selection	0.0	58.385	SRV+Double
	reference	Negative selection	0.49	36.769	SRV+Double
	reference	Neutral evolution	1.0	4.845	SRV+Double
	test	Negative selection	0.0	58.385	SRV+Double
	test	Negative selection	0.828	36.769	SRV+Double
	test	Negative selection	0.0	58.385	SRV+Double
	test	Negative selection	0.49	36.769	SRV+Double
	test	Neutral evolution	1.0	4.845	SRV+Double
	test	Neutral evolution	1.2	4.845	SRV+Double
	test	Negative selection	1.0	4.845	SRV+Double
	reference	Negative selection	0.0	59.087	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
1	1	0.0	7.421	SRV	
	2	1.08	87.178	SRV	
	3	1.08	5.4	SRV	
2	1	0.0	7.424	SRV	
	2	1.08	88.032	SRV	
	3	1.08	4.544	SRV	
3	1	0.0	7.436	SRV	
	2	1.08	77.778	SRV	
	3	1.08	14.786	SRV	
4	1	0.0	0.065	SRV	
	2	0.0	7.4	SRV	
	3	1.081	92.535	SRV	
5	1	0.0	6.962	SRV	
	2	1.046	92.876	SRV	
	3	17.304	0.162	SRV	
6	1	0.0	0.707	SRV	
	2	0.0	6.753	SRV	
	3	1.081	92.54	SRV	
7	1	0.0	7.461	SRV	
	2	0.0	0.0	SRV	
	3	1.081	92.539	SRV	
8	1	0.0	0.283	SRV	
	2	0.0	7.184	SRV	
	3	1.081	92.533	SRV	
9	1	0.0	7.427	SRV	
	2	1.08	7.175	SRV	
	3	1.08	85.398	SRV	
10	1	0.0	7.431	SRV	
	2	1.076	92.504	SRV	
	3	7.142	0.065	SRV	

	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.431	SRV+Double+Triple	
	reference		3H	0.4747	SRV+Double+Triple	
	test		2H	0.1482	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0235	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.4196	SRV+Double+Triple	
	reference		3H	0.4522	SRV+Double+Triple	
	test		2H	0.0951	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.4271	SRV+Double+Triple	
	reference		3H	0.477	SRV+Double+Triple	
	test		2H	0.1513	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0454	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.4371	SRV+Double+Triple	
	reference		3H	0.4647	SRV+Double+Triple	
	test		2H	0.122	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.4275	SRV+Double+Triple	
	reference		3H	0.4754	SRV+Double+Triple	
	test		2H	0.1492	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0526	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.4471	SRV+Double+Triple	
	reference		3H	0.4462	SRV+Double+Triple	
	test		2H	0.0836	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.4254	SRV+Double+Triple	
	reference		3H	0.4678	SRV+Double+Triple	
	test		2H	0.153	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0832	SRV+Double+Triple	
	reference		2H	0.0402	SRV+Double+Triple	
	reference		3H	0.4788	SRV+Double+Triple	
	reference		3H	0.5808	SRV+Double+Triple	
	test		2H	0.1399	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	