

## RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

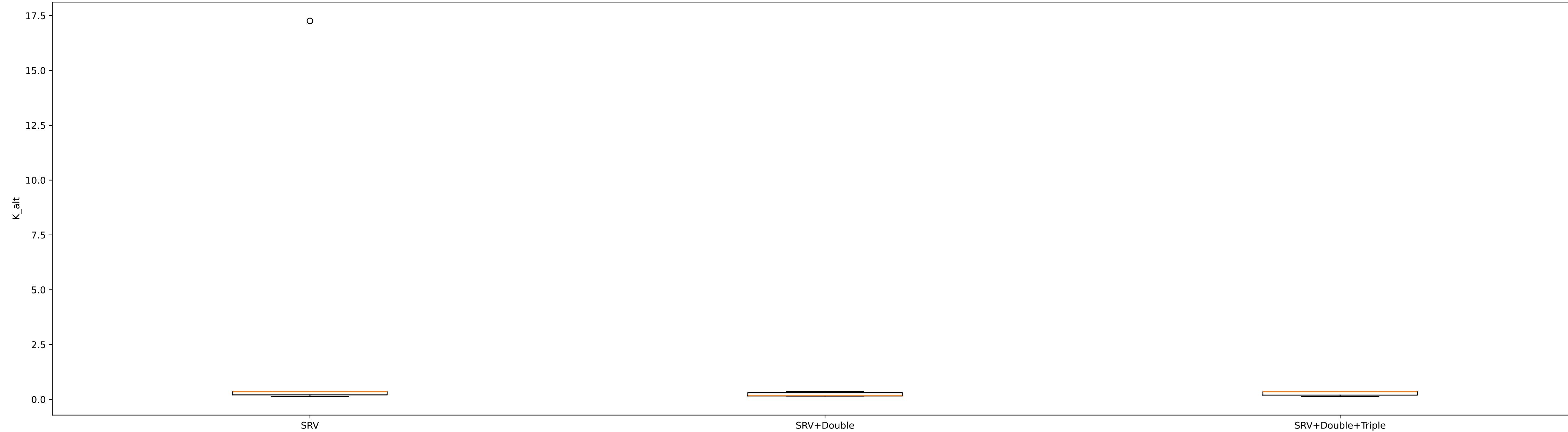
Includes:

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

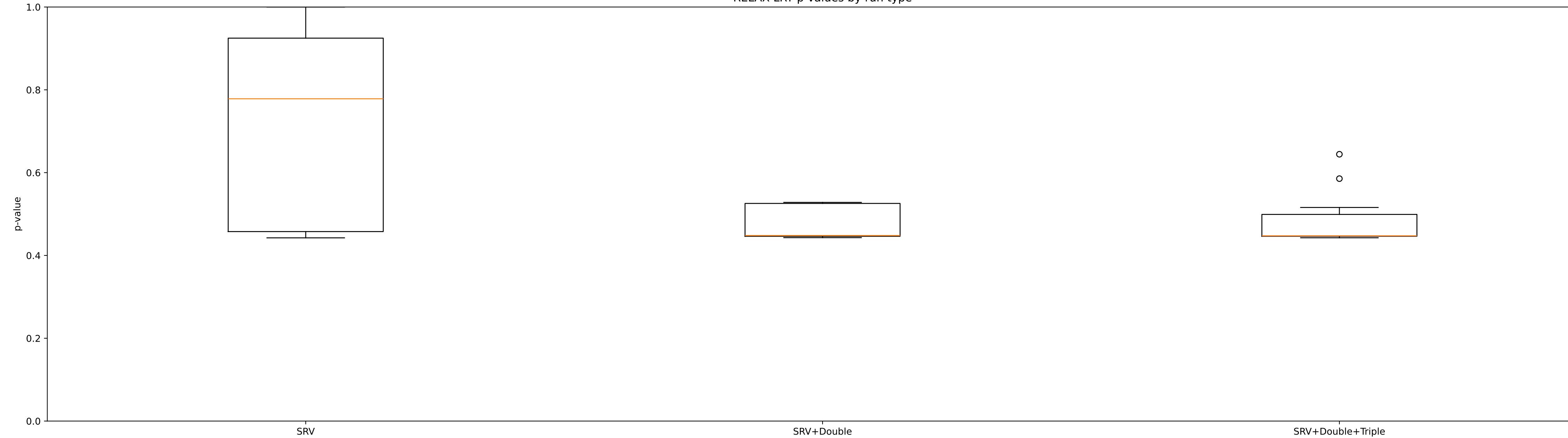
## Run-type summary statistics

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
0.7784	0.4425	1.0	0.35	0.14	17.26	0.2695	0.511	10	nan	nan
0.448	0.443	0.5281	0.17	0.15	0.35	0.2695	0.511	10	0.0	0.0
0.4474	0.4427	0.6444	0.35	0.14	0.35	0.2695	0.511	10	0.0	0.0

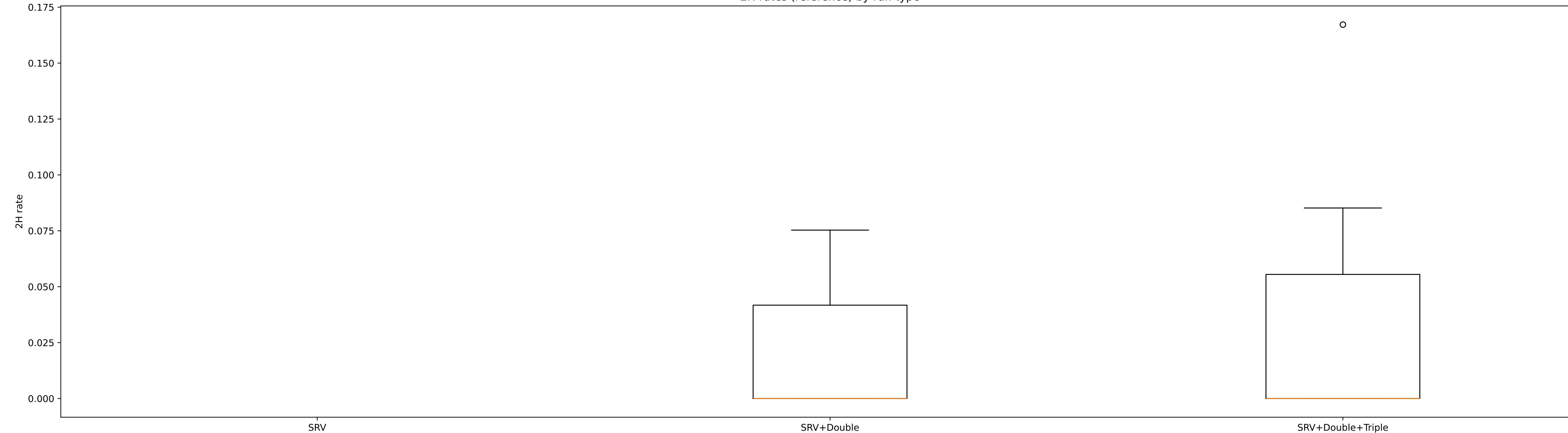
K (alternative) by run type



RELAX LRT p-values by run type



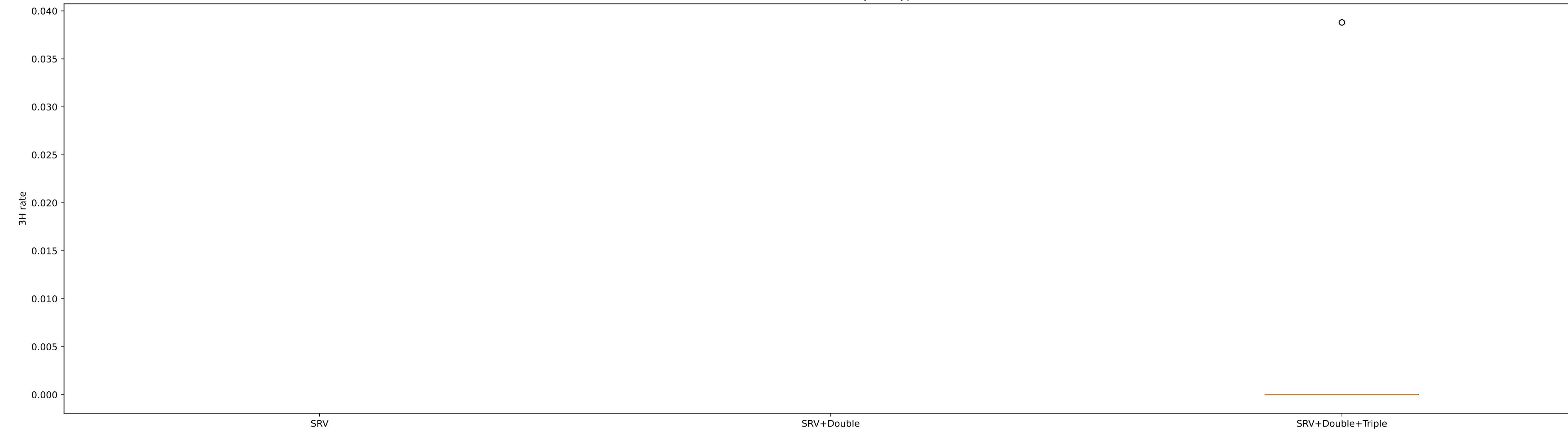
2H rates (reference) by run type



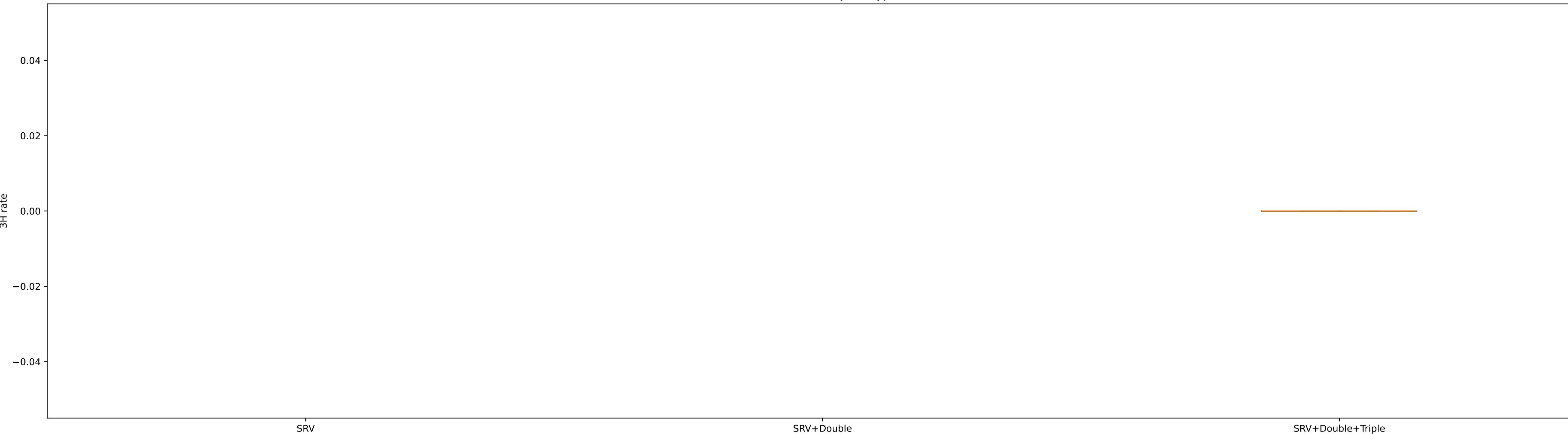
2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



## Replicate-level summary — SRV (page 1/1)

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_reference</b>	<b>global_dNdS_test</b>
	1	1.0	0.34	0.2695	0.511
	2	0.4916	0.16	0.2695	0.511
	3	0.8681	0.35	0.2695	0.511
	4	0.6887	0.35	0.2695	0.511
	5	0.934	0.35	0.2695	0.511
	6	0.4425	0.16	0.2695	0.511
	7	0.4445	17.26	0.2695	0.511
	8	0.8973	0.35	0.2695	0.511
	9	0.4463	0.14	0.2695	0.511
	10	1.0	0.35	0.2695	0.511

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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_reference</b>	<b>global_dNdS_test</b>
	1	0.4431	0.16	0.2695	0.511
	2	0.4475	0.35	0.2695	0.511
	3	0.5275	0.17	0.2695	0.511
	4	0.4484	0.35	0.2695	0.511
	5	0.443	0.15	0.2695	0.511
	6	0.4459	0.16	0.2695	0.511
	7	0.5248	0.17	0.2695	0.511
	8	0.5281	0.17	0.2695	0.511
	9	0.5259	0.16	0.2695	0.511
	10	0.4477	0.35	0.2695	0.511

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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.4466	0.35	0.2695	0.511
	2	0.4481	0.35	0.2695	0.511
	3	0.4488	0.35	0.2695	0.511
	4	0.6444	0.35	0.2695	0.511
	5	0.4463	0.35	0.2695	0.511
	6	0.5855	0.3	0.2695	0.511
	7	0.4446	0.16	0.2695	0.511
	8	0.4427	0.16	0.2695	0.511
	9	0.4468	0.35	0.2695	0.511
	10	0.5159	0.14	0.2695	0.511

	test	Negative s election	0.0	0.0	SRV+Double
	test	Negative s election	0.045	74.76	SRV+Double
	test	Neutral evolution	1.0	25.24	SRV+Double
	test	Neutral evolution	1.0	25.24	SRV+Double
reference		Negative s election	0.084		SRV+Double
reference		Negative s election	0.045	74.52	SRV+Double
reference		Neutral evolution	1.0	25.396	SRV+Double
test		Negative s election	0.0	0.084	SRV+Double
test		Negative s election	0.045	74.52	SRV+Double
test		Neutral evolution	1.0	25.396	SRV+Double
reference		Negative s election	0.0	64.052	SRV+Double
reference		Negative s election	0.725	28.084	SRV+Double
reference		Neutral evolution	1.0	7.864	SRV+Double
test		Negative s election	0.254	64.052	SRV+Double
test		Negative s election	0.954	28.084	SRV+Double
test		Negative s election	0.0	64.052	SRV+Double
test		Negative s election	0.725	28.084	SRV+Double
test		Neutral evolution	1.0	7.864	SRV+Double
test		Neutral evolution	1.0	7.864	SRV+Double
reference		Negative s election	0.0	63.962	SRV+Double
reference		Negative s election	0.727	28.148	SRV+Double
reference		Neutral evolution	1.0	7.89	SRV+Double
test		Negative s election	0.0	63.962	SRV+Double
test		Negative s election	0.727	28.148	SRV+Double
test		Neutral evolution	1.0	7.89	SRV+Double
reference		Negative s election	0.0	63.949	SRV+Double
reference		Negative s election	0.72	27.83	SRV+Double
reference		Neutral evolution	1.0	8.222	SRV+Double
test		Negative s election	0.255	63.949	SRV+Double
test		Negative s election	0.949	27.83	SRV+Double
test		Negative s election	0.0	63.949	SRV+Double
test		Negative s election	0.72	27.83	SRV+Double
test		Neutral evolution	1.0	8.222	SRV+Double
test		Neutral evolution	1.0	8.222	SRV+Double
reference		Negative s election	0.0	63.888	SRV+Double
reference		Negative s election	0.725	28.094	SRV+Double
reference		Neutral evolution	1.0	8.018	SRV+Double
test		Negative s election	0.0	63.888	SRV+Double
test		Negative s election	0.725	28.094	SRV+Double
test		Neutral evolution	1.0	8.018	SRV+Double
reference		Negative s election	0.0	63.537	SRV+Double
reference		Negative s election	0.62	21.353	SRV+Double
reference		Neutral evolution	1.0	15.109	SRV+Double
test		Negative s election	0.253	63.537	SRV+Double
test		Negative s election	0.921	21.353	SRV+Double
test		Negative s election	0.0	63.537	SRV+Double
test		Negative s election	0.62	21.353	SRV+Double
test		Neutral evolution	1.0	15.109	SRV+Double
test		Neutral evolution	1.2	15.109	SRV+Double
test		Negative s election	0.0	15.109	SRV+Double
reference		Negative s election	0.0	63.372	SRV+Double

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

	<b>class_id</b>	<b>syn_rate</b>	<b>proportion_per cent</b>	<b>run_type</b>	
SRV	1	0.733	87.28	SRV	
	2	2.483	12.241	SRV	
	3	11.788	0.479	SRV	
	1	0.767	88.056	SRV	
	2	0.986	3.147	SRV	
	3	3.336	8.797	SRV	
	1	0.0	3.031	SRV	
	2	0.827	90.047	SRV	
	3	3.683	6.922	SRV	
SRV	1	0.0	3.058	SRV	
	2	0.828	90.009	SRV	
	3	3.68	6.934	SRV	
	1	0.0	3.073	SRV	
	2	0.828	89.981	SRV	
	3	3.675	6.946	SRV	
	1	0.0	3.114	SRV	
	2	0.827	89.862	SRV	
	3	3.66	7.025	SRV	
SRV	1	0.767	87.642	SRV	
	2	0.981	3.619	SRV	
	3	3.348	8.739	SRV	
	1	0.0	3.015	SRV	
	2	0.827	90.034	SRV	
	3	3.679	6.951	SRV	
	1	0.0	3.016	SRV	
	2	0.825	89.896	SRV	
	3	3.641	7.088	SRV	
SRV	1	0.716	62.477	SRV	
	2	0.924	29.288	SRV	
	3	3.427	8.235	SRV	

