

## RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

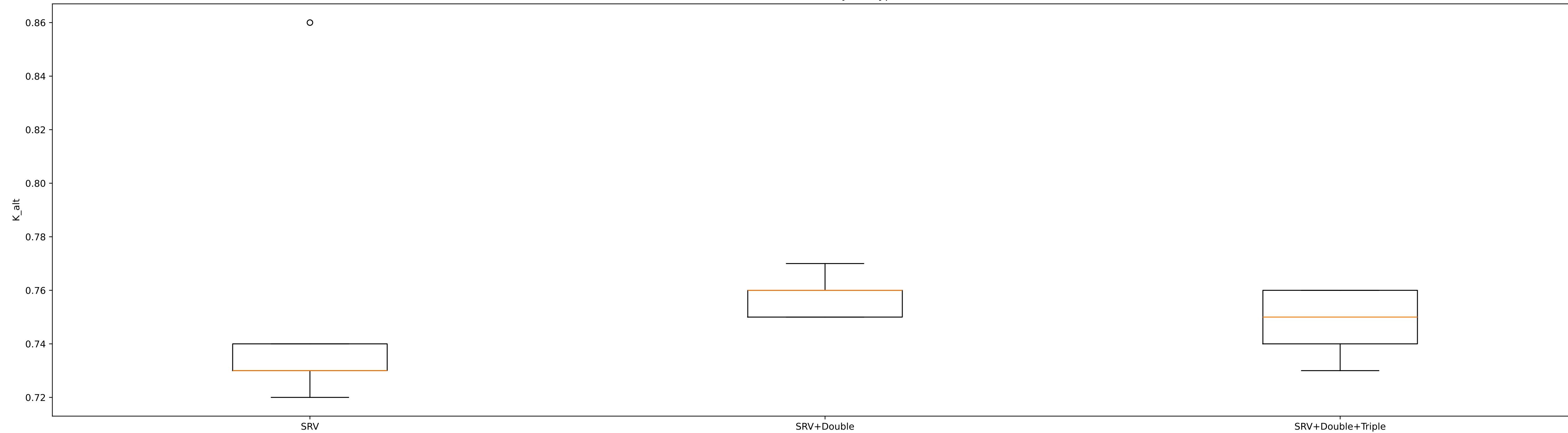
Includes:

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

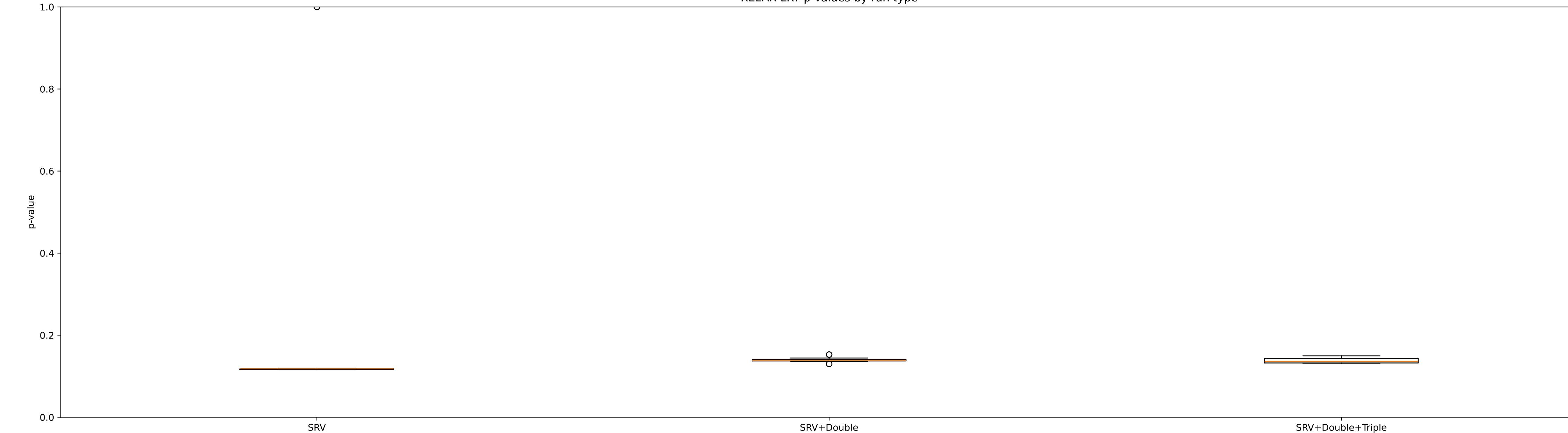
## Run-type summary statistics

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
0.118	0.116	1.0	0.73	0.72	0.86	0.2322	0.3282	10	nan	nan
0.1388	0.1298	0.1528	0.76	0.75	0.77	0.2322	0.3282	10	0.0448	0.0904
0.1362	0.1317	0.1497	0.75	0.73	0.76	0.2322	0.3282	9	0.0472	0.0912

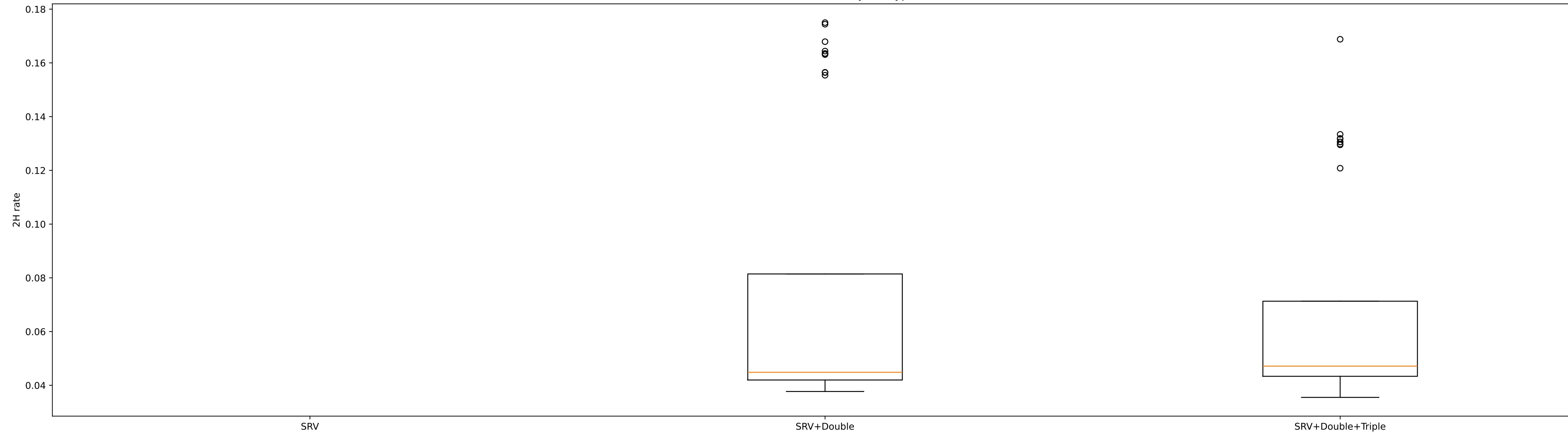
K (alternative) by run type



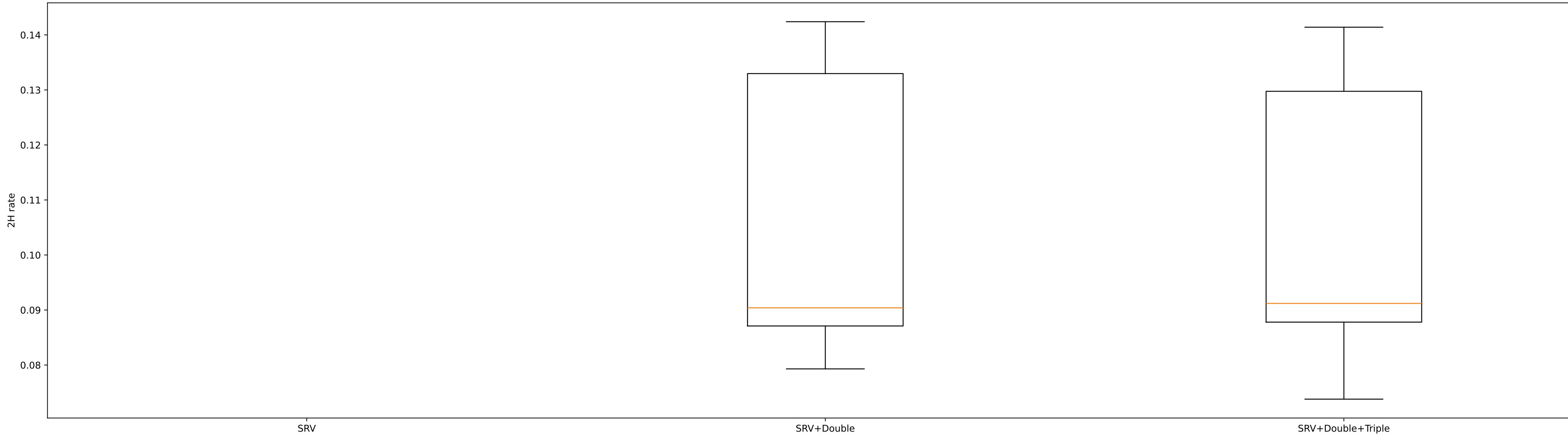
### RELAX LRT p-values by run type



2H rates (reference) by run type



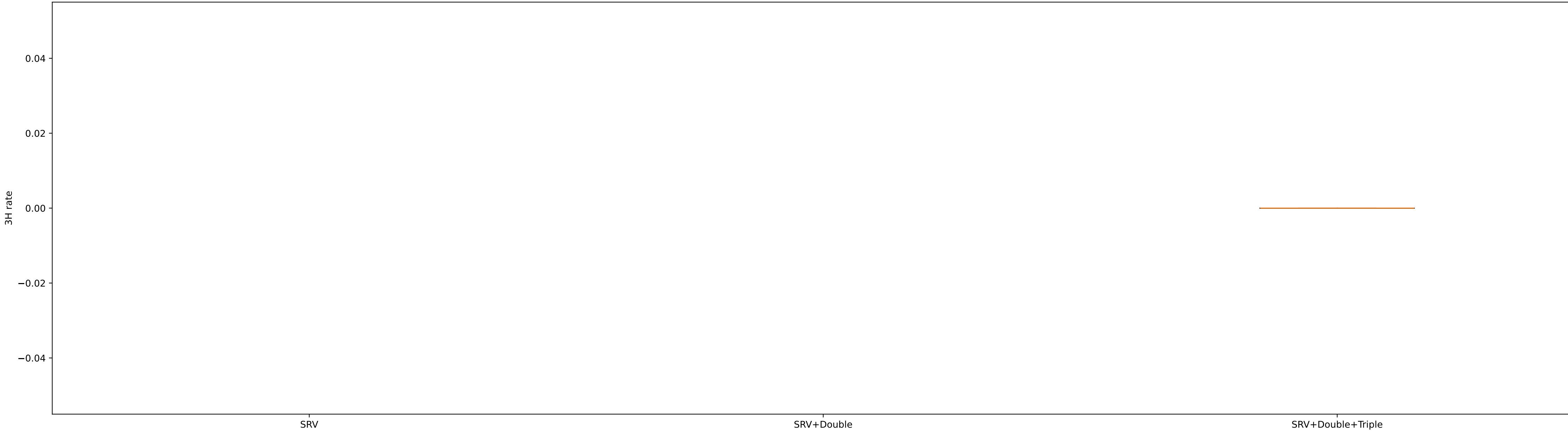
2H rates (test) by run type



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_re ference</b>	<b>global_dNdS_te st</b>
	1	0.116	0.72	0.2322	0.3279
	2	0.1168	0.73	0.2322	0.3282
	3	0.118	0.73	0.2322	0.3282
	4	0.1179	0.73	0.2322	0.3282
	5	0.1177	0.73	0.2322	0.3282
	6	0.1193	0.74	0.2322	0.3282
	7	0.1185	0.74	0.2322	0.3282
	8	0.1181	0.74	0.2322	0.3282
	9	0.116	0.73	0.2322	0.3282
	10	1.0	0.86	0.2322	0.3282

## Replicate-level summary — SRV+Double (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	0.1444	0.75	0.2323	0.3279
	2	0.1528	0.75	0.2322	0.3282
	3	0.1362	0.76	0.2322	0.3282
	4	0.1394	0.76	0.2322	0.3283
	5	0.1406	0.75	0.2323	0.3283
	6	0.1414	0.76	0.2322	0.3282
	7	0.1381	0.76	0.2322	0.3282
	8	0.1382	0.76	0.2322	0.3282
	9	0.1298	0.75	0.2322	0.3282
	10	0.1368	0.77	0.2322	0.3282

## 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	0.1317	0.73	0.2322	0.3282
	2	0.132	0.74	0.2322	0.3282
	3	0.146	0.75	0.2322	0.3282
	4	0.135	0.76	0.2322	0.3282
	5	0.1362	0.76	0.2322	0.3282
	6	0.1435	0.76	0.2322	0.3282
	7	0.1497	0.75	0.2322	0.3282
	8	0.1323	0.74	0.2322	0.3282
	9	0.138	0.76	0.2322	0.3282
	10	nan	nan	0.2322	0.3282

test		Negative s election	0.189		92.556		SRV+Double	
test		Negative s election	0.616		7.444		SRV+Double	
reference		Diversifying selecting on	1.012		0.0		SRV+Double	
reference		Negative s election	0.155	Ω-class distributions (all) (cols 1-7/7)	81.366		SRV+Double	
reference		Negative s election	0.483		18.634		SRV+Double	
test		Diversifying selecting on	1.009		0.0		SRV+Double	
test		Diversifying selecting on	1.012		0.0		SRV+Double	
test		Negative s election	0.244		81.366		SRV+Double	
test		Negative s election	0.576		18.634		SRV+Double	
test		Negative s election	0.155		81.366		SRV+Double	
test		Negative s election	0.483		18.634		SRV+Double	
reference		Diversifying selecting on	1.76		0.0		SRV+Double	
reference		Negative s election	0.158		80.356		SRV+Double	
reference		Negative s election	0.487		19.644		SRV+Double	
test		Diversifying selecting on	1.76		0.0		SRV+Double	
test		Negative s election	0.158		80.356		SRV+Double	
test		Negative s election	0.487		19.644		SRV+Double	
reference		Diversifying selecting on	1.006		0.0		SRV+Double	
reference		Negative s election	0.086		46.72		SRV+Double	
reference		Negative s election	0.33		53.28		SRV+Double	
test		Diversifying selecting on	1.004		0.0		SRV+Double	
test		Diversifying selecting on	1.006		0.0		SRV+Double	
test		Negative s election	0.159		46.72		SRV+Double	
test		Negative s election	0.436		53.28		SRV+Double	
test		Negative s election	0.086		46.72		SRV+Double	
test		Negative s election	0.33		53.28		SRV+Double	
reference		Diversifying selecting on	1.998		0.0		SRV+Double	
reference		Negative s election	0.089		45.785		SRV+Double	
reference		Negative s election	0.335		54.215		SRV+Double	
test		Diversifying selecting on	1.998		0.0		SRV+Double	
test		Negative s election	0.089		45.785		SRV+Double	
test		Negative s election	0.335		54.215		SRV+Double	
reference		Diversifying selecting on	1.008		0.0		SRV+Double	
reference		Negative s election	0.139		73.02		SRV+Double	
reference		Negative s election	0.429		26.98		SRV+Double	
test		Diversifying selecting on	1.006		0.0		SRV+Double	
test		Diversifying selecting on	1.008		0.0		SRV+Double	
test		Negative s election	0.225		73.02		SRV+Double	
test		Negative s election	0.528		26.98		SRV+Double	
test		Negative s election	0.139		73.02		SRV+Double	
test		Negative s election	0.429		26.98		SRV+Double	
reference		Diversifying selecting on	2.1		0.0		SRV+Double	
reference		Negative s election	0.142		71.977		SRV+Double	
reference		Negative s election	0.431		28.023		SRV+Double	
test		Diversifying selecting on	2.1		0.0		SRV+Double	
test		Negative s election	0.142		71.977		SRV+Double	
test		Negative s election	0.431		28.023		SRV+Double	
reference		Diversifying selecting on	3.127		0.0		SRV+Double	
reference		Negative s election	0.167		86.176		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>	
1	1	0.692	83.628	SRV	
	2	2.226	14.664	SRV	
	3	5.54	1.708	SRV	
2	1	0.693	83.798	SRV	
	2	2.246	14.584	SRV	
	3	5.665	1.618	SRV	
3	1	0.693	83.645	SRV	
	2	2.216	14.567	SRV	
	3	5.467	1.788	SRV	
4	1	0.694	83.919	SRV	
	2	2.245	14.391	SRV	
	3	5.571	1.69	SRV	
5	1	0.693	83.768	SRV	
	2	2.229	14.494	SRV	
	3	5.528	1.738	SRV	
6	1	0.693	83.749	SRV	
	2	2.228	14.519	SRV	
	3	5.533	1.732	SRV	
7	1	0.696	84.121	SRV	
	2	2.261	14.197	SRV	
	3	5.576	1.682	SRV	
8	1	0.694	83.786	SRV	
	2	2.221	14.398	SRV	
	3	5.44	1.817	SRV	
9	1	0.693	83.786	SRV	
	2	2.25	14.631	SRV	
	3	5.705	1.583	SRV	
10	1	0.579	42.634	SRV	
	2	0.933	48.419	SRV	
	3	3.366	8.948	SRV	

	reference		2H		0.0416		SRV+Double	
	test		2H		0.1286		SRV+Double	
	test		2H		0.0874		SRV+Double	
	reference		2H	Multihit (2H/3H) rates (all) (cols 1-6/6)			SRV+Double	
	reference		2H		0.175		SRV+Double	
	test		2H		0.0545		SRV+Double	
	reference		2H		0.0914		SRV+Double	
	reference		2H		0.0451		SRV+Double	
	test		2H		0.0419		SRV+Double	
	reference		2H		0.1382		SRV+Double	
	test		2H		0.0897		SRV+Double	
	test		2H		0.1319		SRV+Double+Triple	
	reference		2H		0.0437		SRV+Double+Triple	
	reference		3H		0.0		SRV+Double+Triple	
	test		2H		0.0738		SRV+Double+Triple	
	test		3H		0.0		SRV+Double+Triple	
	reference		2H		0.0372		SRV+Double+Triple	
	reference		2H		0.0422		SRV+Double+Triple	
	reference		3H		0.0		SRV+Double+Triple	
	test		2H		0.1293		SRV+Double+Triple	
	test		2H		0.0894		SRV+Double+Triple	
	test		3H		0.0		SRV+Double+Triple	
	reference		2H		0.1298		SRV+Double+Triple	
	reference		2H		0.047		SRV+Double+Triple	
	reference		3H		0.0		SRV+Double+Triple	
	test		2H		0.0759		SRV+Double+Triple	
	test		3H		0.0		SRV+Double+Triple	
	reference		2H		0.0389		SRV+Double+Triple	
	reference		2H		0.0441		SRV+Double+Triple	
	reference		3H		0.0		SRV+Double+Triple	
	test		2H		0.1302		SRV+Double+Triple	
	test		2H		0.0896		SRV+Double+Triple	
	test		3H		0.0		SRV+Double+Triple	
	reference		2H		0.1317		SRV+Double+Triple	
	reference		2H		0.0498		SRV+Double+Triple	
	reference		3H		0.0		SRV+Double+Triple	
	test		2H		0.0836		SRV+Double+Triple	
	test		3H		0.0		SRV+Double+Triple	
	reference		2H		0.0405		SRV+Double+Triple	
	reference		2H		0.0451		SRV+Double+Triple	
	reference		3H		0.0		SRV+Double+Triple	
	test		2H		0.1365		SRV+Double+Triple	
	test		2H		0.0982		SRV+Double+Triple	
	test		3H		0.0		SRV+Double+Triple	
	reference		2H		0.1306		SRV+Double+Triple	
	reference		2H		0.049		SRV+Double+Triple	
	reference		3H		0.0		SRV+Double+Triple	
	test		2H		0.0879		SRV+Double+Triple	
	test		3H		0.0		SRV+Double+Triple	
	reference		2H		0.044		SRV+Double+Triple	
	reference		2H		0.044		SRV+Double+Triple	