

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

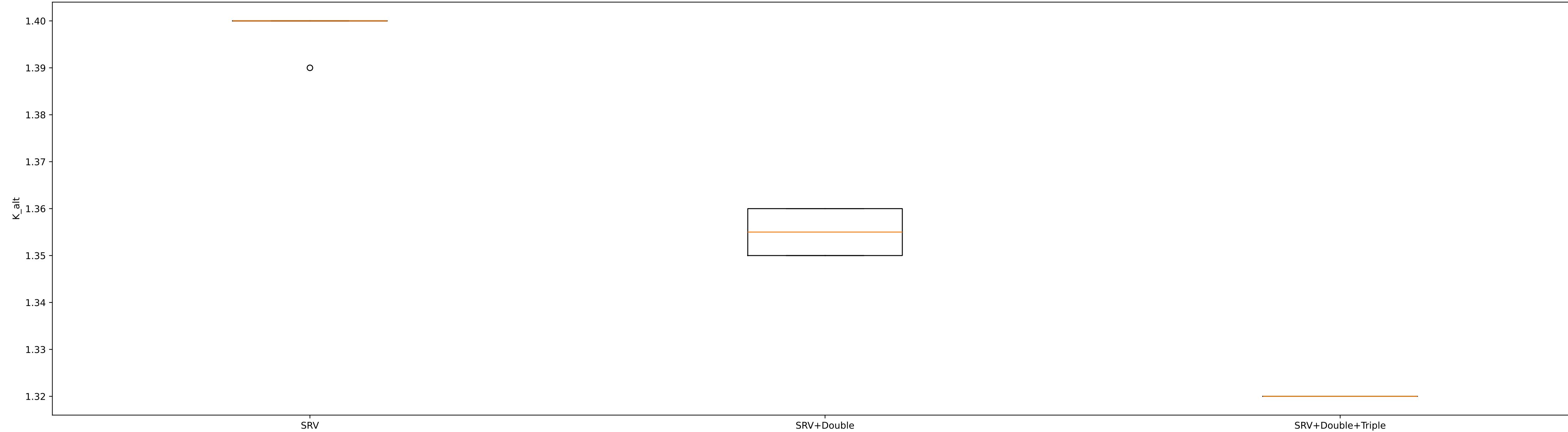
Includes:

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

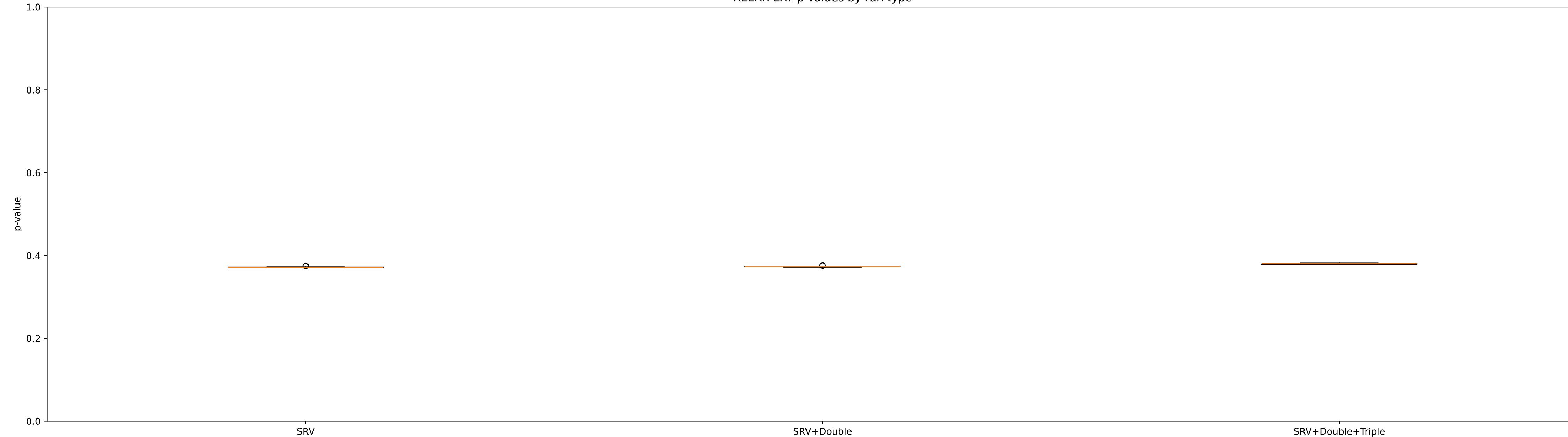
Run-type summary statistics

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_medi an
0.3707	0.3699	0.3745	1.4	1.39	1.4	0.2386	0.1393	10	nan	nan
0.3727	0.3717	0.3755	1.355	1.35	1.36	0.2385	0.1393	10	0.0554	0.0
0.3802	0.379	0.3816	1.32	1.32	1.32	0.2385	0.1393	10	0.0556	0.0

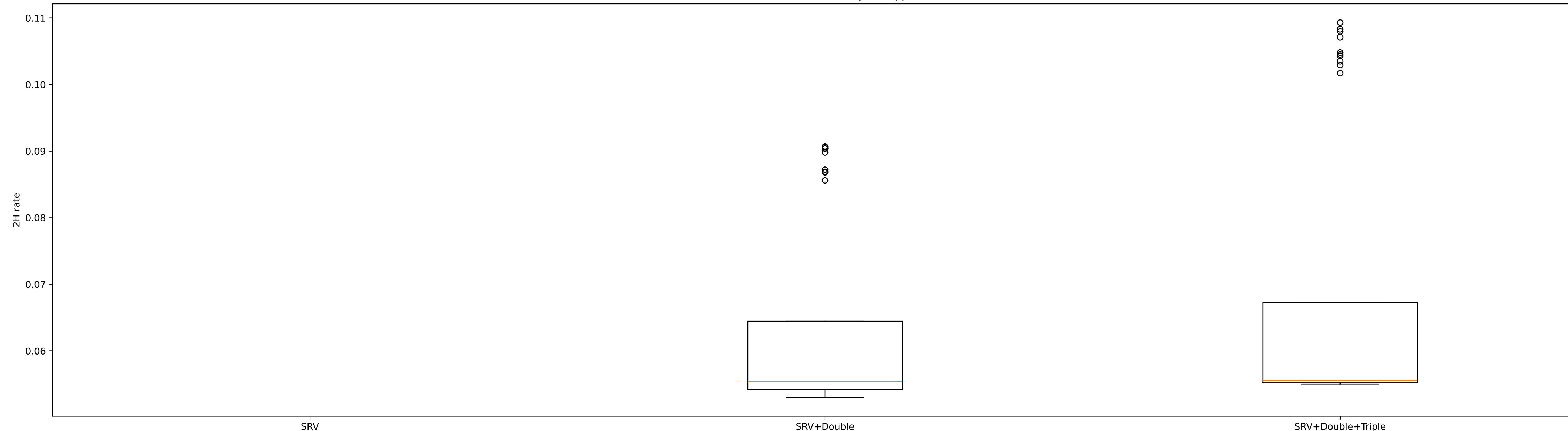
K (alternative) by run type



RELAX LRT p-values by run type



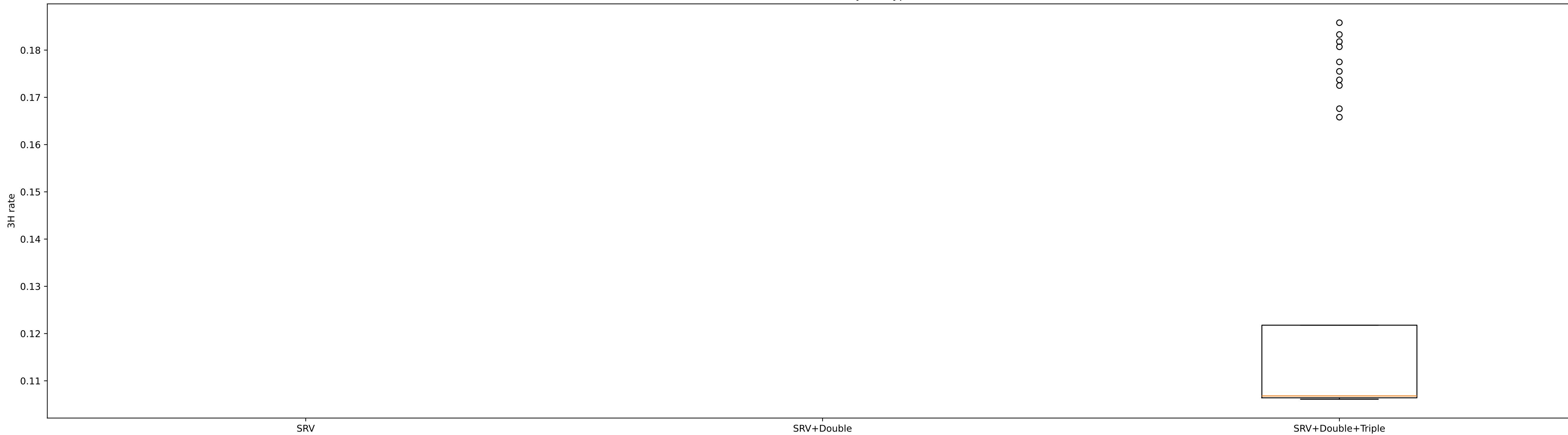
2H rates (reference) by run type



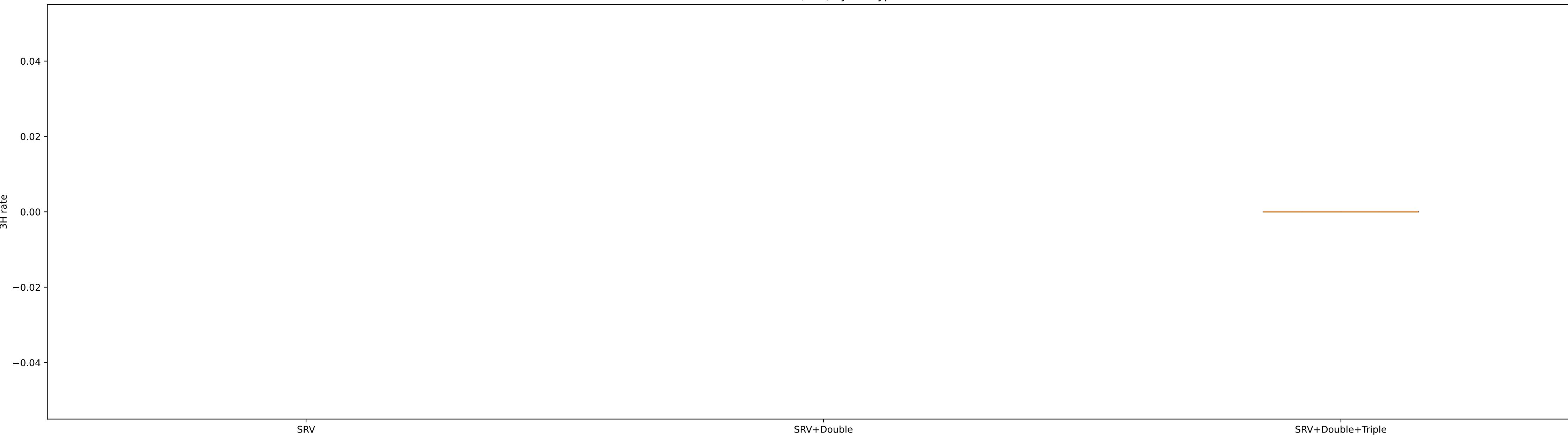
2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.3703	1.4	0.2386	0.1393
	2	0.3705	1.4	0.2384	0.139
	3	0.3716	1.4	0.2385	0.1396
	4	0.3699	1.4	0.2387	0.1393
	5	0.3724	1.4	0.2385	0.1394
	6	0.3745	1.39	0.2385	0.1392
	7	0.3721	1.4	0.2386	0.1395
	8	0.3709	1.4	0.2387	0.1393
	9	0.3703	1.4	0.2387	0.1393
	10	0.3705	1.4	0.2384	0.139

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.3725	1.35	0.2385	0.1392
	2	0.3724	1.35	0.2386	0.1393
	3	0.3735	1.36	0.2386	0.1395
	4	0.3728	1.36	0.2387	0.1393
	5	0.3717	1.35	0.2385	0.1392
	6	0.3729	1.36	0.2387	0.1393
	7	0.3726	1.35	0.2385	0.1392
	8	0.3725	1.35	0.2383	0.1394
	9	0.3755	1.36	0.2385	0.1392
	10	0.3738	1.36	0.2385	0.1394

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.3803	1.32	0.2385	0.1396
	2	0.379	1.32	0.2388	0.1396
	3	0.379	1.32	0.2384	0.139
	4	0.3801	1.32	0.2386	0.1393
	5	0.3816	1.32	0.2385	0.1396
	6	0.3804	1.32	0.2383	0.1393
	7	0.3802	1.32	0.2389	0.1393
	8	0.3812	1.32	0.2386	0.1395
	9	0.379	1.32	0.2384	0.139
	10	0.3796	1.32	0.2384	0.139

	test	Negative selection	0.105	29.617	SRV+Double
	test	Negative selection	0.131	70.208	SRV+Double
	test	Negative selection	0.19	29.617	SRV+Double
	test	Negative selection	0.224	70.208	SRV+Double
	reference	Diversifying selection	0.163	SRV+Double	
	reference	Negative selection	0.194	27.817	SRV+Double
	reference	Negative selection	0.22	72.02	SRV+Double
	test	Negative selection	5.839	0.163	SRV+Double
	test	Negative selection	0.194	27.817	SRV+Double
	test	Negative selection	0.22	72.02	SRV+Double
	reference	Diversifying selection	0.163	SRV+Double	
	reference	Negative selection	0.2	1.019	SRV+Double
	reference	Negative selection	0.214	98.818	SRV+Double
	test	Diversifying selection	10.766	0.163	SRV+Double
	test	Diversifying selection	5.787	0.163	SRV+Double
	test	Negative selection	0.114	1.019	SRV+Double
	test	Negative selection	0.124	98.818	SRV+Double
	test	Negative selection	0.2	1.019	SRV+Double
	test	Negative selection	0.214	98.818	SRV+Double
	reference	Diversifying selection	5.621	0.172	SRV+Double
	reference	Negative selection	0.212	98.914	SRV+Double
	reference	Negative selection	0.221	0.914	SRV+Double
	test	Diversifying selection	5.621	0.172	SRV+Double
	test	Negative selection	0.212	98.914	SRV+Double
	test	Negative selection	0.221	0.914	SRV+Double
	reference	Diversifying selection	5.497	0.178	SRV+Double
	reference	Negative selection	0.213	99.204	SRV+Double
	reference	Negative selection	0.233	0.618	SRV+Double
	test	Diversifying selection	10.076	0.178	SRV+Double
	test	Diversifying selection	5.497	0.178	SRV+Double
	test	Negative selection	0.123	99.204	SRV+Double
	test	Negative selection	0.139	0.618	SRV+Double
	test	Negative selection	0.213	99.204	SRV+Double
	test	Negative selection	0.233	0.618	SRV+Double
	reference	Diversifying selection	5.967	0.157	SRV+Double
	reference	Negative selection	0.213	99.32	SRV+Double
	reference	Negative selection	0.221	0.523	SRV+Double
	test	Diversifying selection	5.967	0.157	SRV+Double
	test	Negative selection	0.213	99.32	SRV+Double
	test	Negative selection	0.221	0.523	SRV+Double
	reference	Diversifying selection	6.172	0.143	SRV+Double
	reference	Negative selection	0.213	97.826	SRV+Double
	reference	Negative selection	0.247	2.031	SRV+Double
	test	Diversifying selection	11.644	0.143	SRV+Double
	test	Diversifying selection	6.172	0.143	SRV+Double
	test	Negative selection	0.124	97.826	SRV+Double
	test	Negative selection	0.152	2.031	SRV+Double
	test	Negative selection	0.213	97.826	SRV+Double
	test	Negative selection	0.247	2.031	SRV+Double
	reference	Diversifying selection	6.879	0.121	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	1	0.119	8.409	SRV	
	2	0.864	82.536	SRV	
	3	3.061	9.054	SRV	
	1	0.119	8.375	SRV	
	2	0.863	82.547	SRV	
	3	3.058	9.078	SRV	
	1	0.117	8.314	SRV	
	2	0.863	82.616	SRV	
	3	3.057	9.07	SRV	
SRV	1	0.122	8.496	SRV	
	2	0.864	82.481	SRV	
	3	3.066	9.022	SRV	
	1	0.12	8.434	SRV	
	2	0.864	82.498	SRV	
	3	3.06	9.068	SRV	
	1	0.11	8.013	SRV	
	2	0.86	82.839	SRV	
	3	3.048	9.147	SRV	
SRV	1	0.118	8.351	SRV	
	2	0.863	82.575	SRV	
	3	3.056	9.074	SRV	
	1	0.119	8.408	SRV	
	2	0.863	82.517	SRV	
	3	3.06	9.075	SRV	
	1	0.119	8.382	SRV	
	2	0.863	82.557	SRV	
	3	3.06	9.061	SRV	
SRV	1	0.12	8.427	SRV	
	2	0.864	82.517	SRV	
	3	3.061	9.055	SRV	

	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0557	SRV+Double+Triple	
	reference		2H	0.0554	SRV+Double+Triple	
	reference		3H	0.107	SRV+Double+Triple	
	reference		3H	0.1064	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1093	SRV+Double+Triple	
	reference		2H	0.0552	SRV+Double+Triple	
	reference		3H	0.1833	SRV+Double+Triple	
	reference		3H	0.1063	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0558	SRV+Double+Triple	
	reference		2H	0.0552	SRV+Double+Triple	
	reference		3H	0.1068	SRV+Double+Triple	
	reference		3H	0.1066	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1048	SRV+Double+Triple	
	reference		2H	0.0552	SRV+Double+Triple	
	reference		3H	0.1658	SRV+Double+Triple	
	reference		3H	0.1068	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0557	SRV+Double+Triple	
	reference		2H	0.0551	SRV+Double+Triple	
	reference		3H	0.1068	SRV+Double+Triple	
	reference		3H	0.1064	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0557	SRV+Double+Triple	
	reference		2H	0.0551	SRV+Double+Triple	
	reference		3H	0.1068	SRV+Double+Triple	
	reference		3H	0.1064	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1035	SRV+Double+Triple	
	reference		2H	0.0551	SRV+Double+Triple	
	reference		3H	0.1737	SRV+Double+Triple	
	reference		3H	0.1064	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0557	SRV+Double+Triple	
	reference		2H	0.0551	SRV+Double+Triple	
	reference		3H	0.1071	SRV+Double+Triple	
	reference		3H	0.1066	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1045	SRV+Double+Triple	
	reference		2H	0.0551	SRV+Double+Triple	
	reference		3H	0.1775	SRV+Double+Triple	
	reference		3H	0.1066	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0557	SRV+Double+Triple	