

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

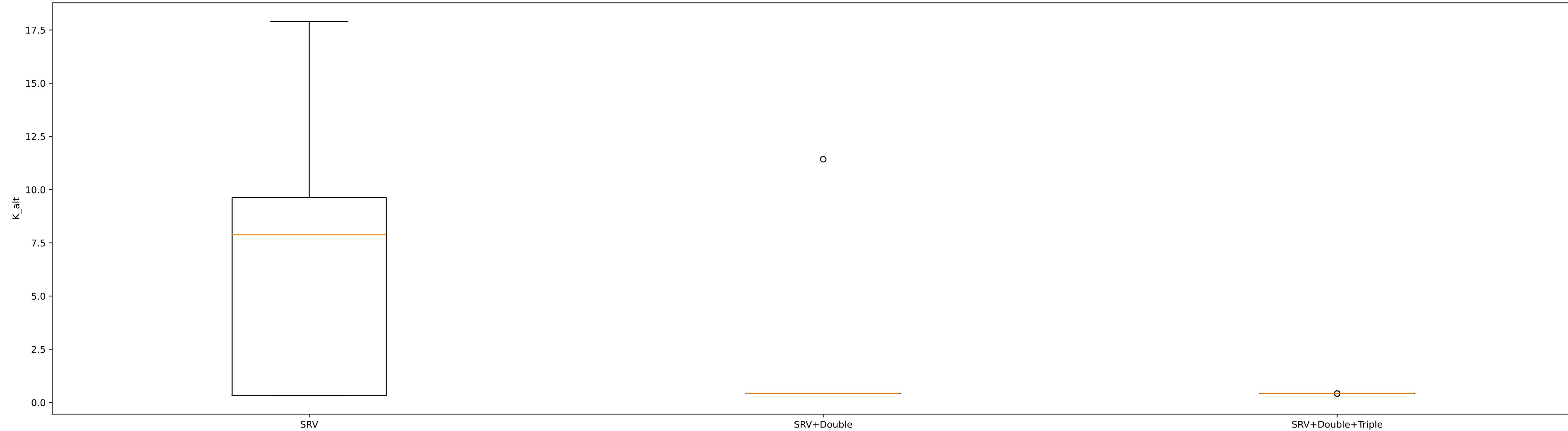
Includes:

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

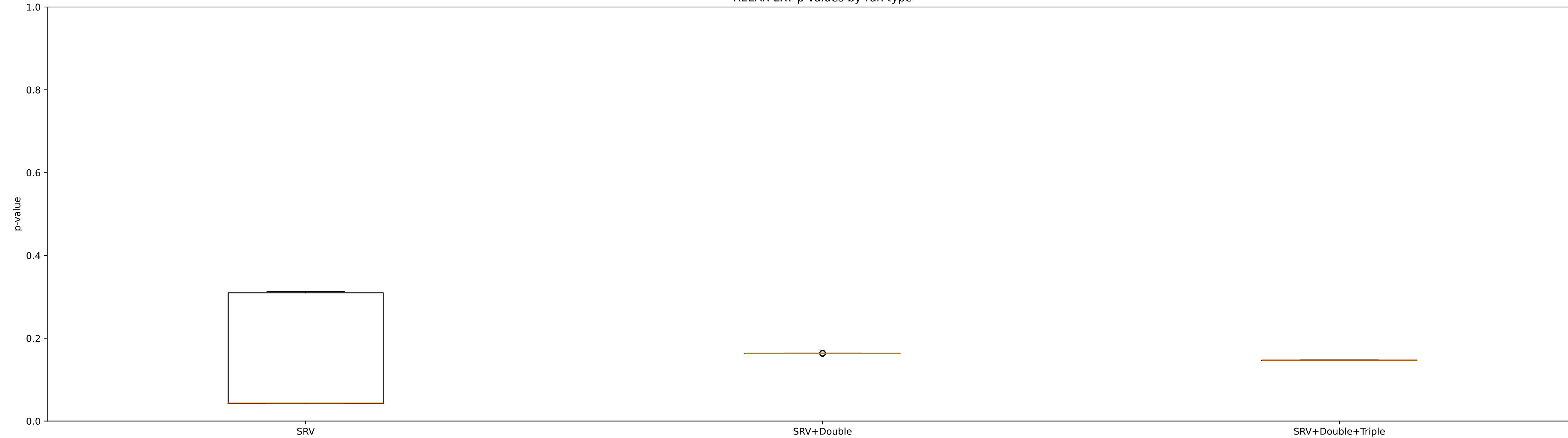
Run-type summary statistics

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
0.0435	0.0419	0.3135	7.885	0.33	17.9	0.2349	0.6083	10	nan	nan
0.1636	0.163	0.1642	0.43	0.43	11.43	0.2349	0.6092	10	0.0366	0.2512
0.147	0.1467	0.1474	0.43	0.42	0.43	0.2349	0.6091	10	0.0397	0.2512

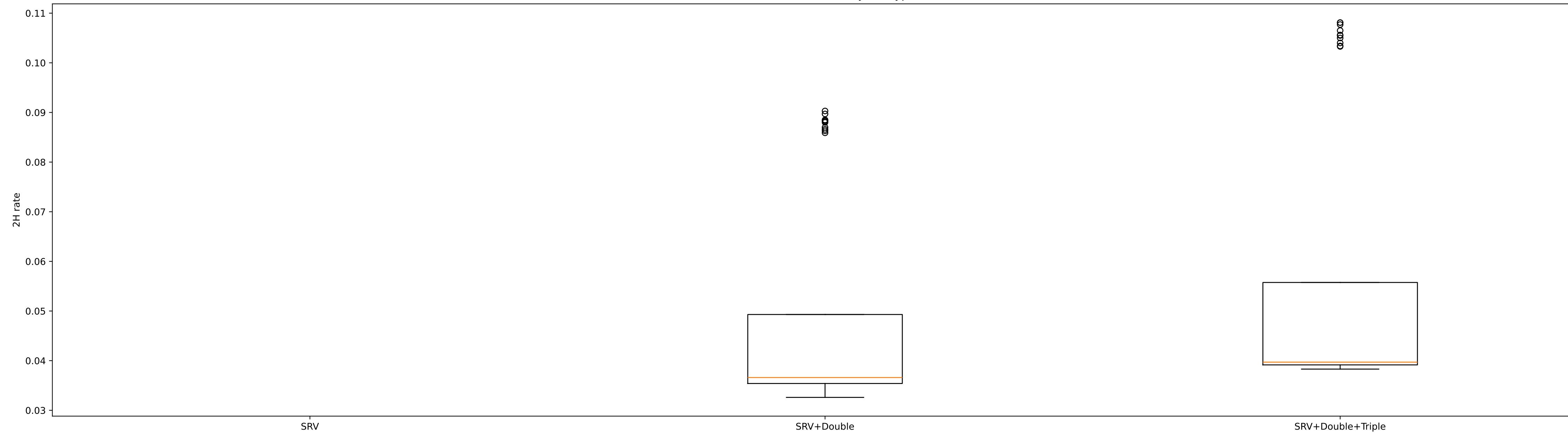
K (alternative) by run type



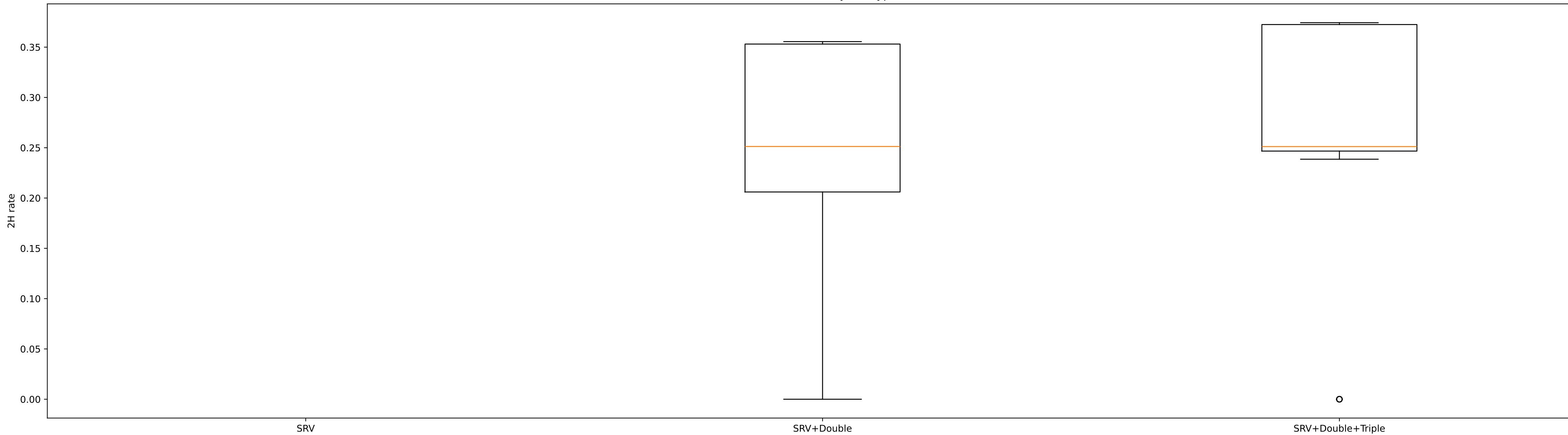
RELAX LRT p-values by run type



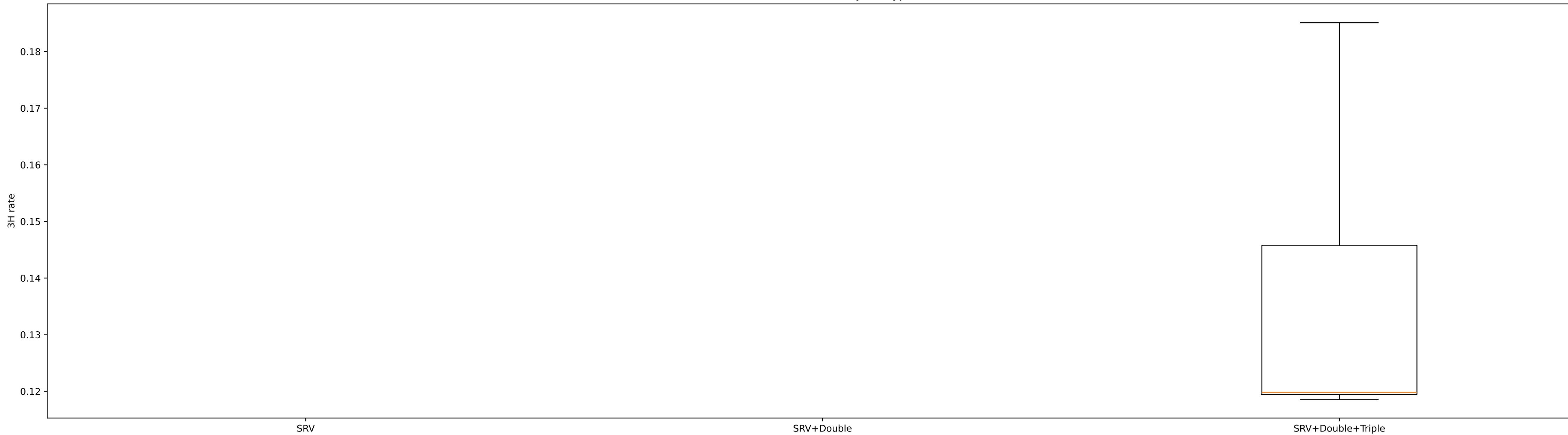
2H rates (reference) by run type



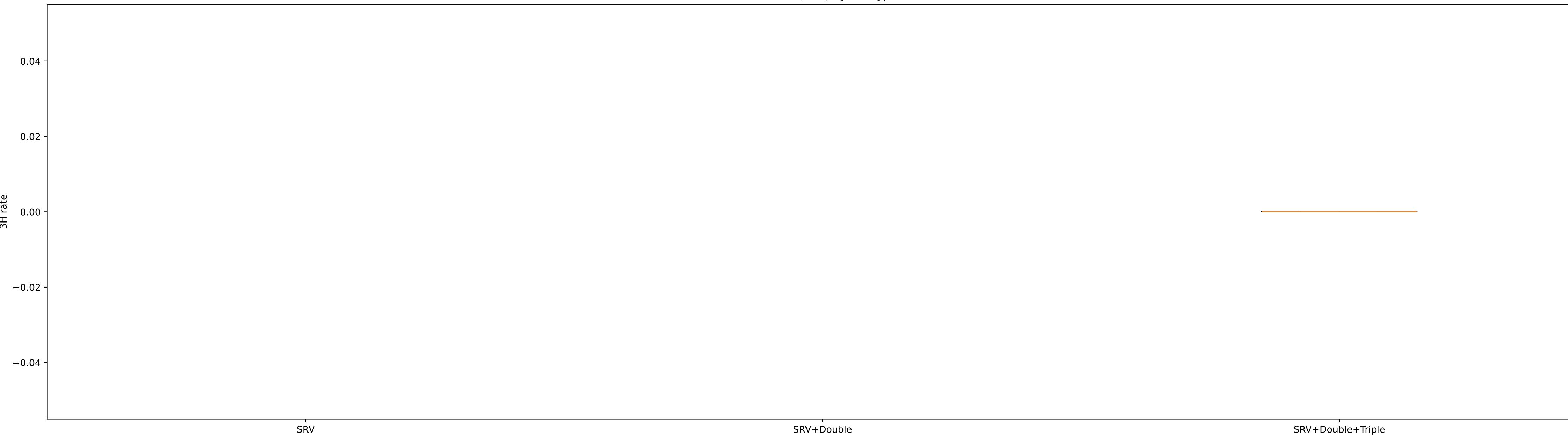
2H rates (test) by run type



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	0.0419	9.96	0.2348	0.6124
	2	0.0443	7.28	0.2351	0.6043
	3	0.31	0.34	0.2349	0.6124
	4	0.3095	0.33	0.2351	0.6044
	5	0.0425	8.61	0.2349	0.6073
	6	0.0426	16.33	0.2349	0.6117
	7	0.0427	17.9	0.2349	0.6083
	8	0.3099	0.33	0.2349	0.6103
	9	0.3135	0.33	0.235	0.6026
	10	0.0427	8.49	0.2349	0.6083

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.1637	0.43	0.2351	0.6043
	2	0.1637	0.43	0.2348	0.6122
	3	0.1636	0.43	0.2351	0.6043
	4	0.1642	0.43	0.2351	0.6043
	5	0.1635	0.43	0.2348	0.61
	6	0.1638	0.43	0.2349	0.6082
	7	0.1635	0.43	0.2349	0.6124
	8	0.1636	0.43	0.2349	0.6083
	9	0.163	0.43	0.2349	0.6124
	10	0.1633	11.43	0.2349	0.6122

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.1471	0.43	0.2348	0.61
	2	0.1474	0.43	0.2351	0.6044
	3	0.1469	0.43	0.2348	0.6105
	4	0.147	0.43	0.2348	0.6082
	5	0.1467	0.42	0.2352	0.604
	6	0.1468	0.43	0.2352	0.604
	7	0.1467	0.43	0.2349	0.6122
	8	0.1467	0.42	0.2349	0.6124
	9	0.1471	0.43	0.2351	0.6043
	10	0.1473	0.43	0.2349	0.6124

	test	Negative selection	0.489	59.715	SRV+Double
	test	Negative selection	0.54	40.023	SRV+Double
	test	Negative selection	0.19	59.715	SRV+Double
	test	Negative selection, Diversifying selection	0.239	40.023	SRV+Double
	reference	Ω-class distributions (all) (cols 1-7/7)			0.297
	reference	Negative selection	0.192	55.962	SRV+Double
	reference	Negative selection, Diversifying selection	0.236	43.741	SRV+Double
	test	Negative selection, Diversifying selection	4.821	0.297	SRV+Double
	test	Negative selection	0.192	55.962	SRV+Double
	test	Negative selection, Diversifying selection	0.236	43.741	SRV+Double
	reference	Negative selection, Diversifying selection	4.559	0.281	SRV+Double
	reference	Negative selection	0.18	34.732	SRV+Double
	reference	Negative selection, Diversifying selection	0.226	64.987	SRV+Double
	test	Negative selection, Diversifying selection	1.917	0.281	SRV+Double
	test	Diversifying selection	4.559	0.281	SRV+Double
	test	Negative selection	0.48	34.732	SRV+Double
	test	Negative selection	0.528	64.987	SRV+Double
	test	Negative selection	0.18	34.732	SRV+Double
	test	Negative selection, Diversifying selection	0.226	64.987	SRV+Double
	reference	Negative selection, Diversifying selection	4.737	0.305	SRV+Double
	reference	Negative selection	0.185	38.936	SRV+Double
	reference	Negative selection, Diversifying selection	0.228	60.759	SRV+Double
	test	Negative selection, Diversifying selection	4.737	0.305	SRV+Double
	test	Negative selection	0.185	38.936	SRV+Double
	test	Negative selection	0.228	60.759	SRV+Double
	reference	Negative selection, Diversifying selection	4.541	0.284	SRV+Double
	reference	Negative selection	0.178	29.952	SRV+Double
	reference	Negative selection, Diversifying selection	0.223	69.765	SRV+Double
	test	Negative selection, Diversifying selection	1.915	0.284	SRV+Double
	test	Diversifying selection	4.541	0.284	SRV+Double
	test	Negative selection	0.477	29.952	SRV+Double
	test	Negative selection	0.526	69.765	SRV+Double
	test	Negative selection	0.178	29.952	SRV+Double
	test	Negative selection, Diversifying selection	0.223	69.765	SRV+Double
	reference	Negative selection, Diversifying selection	4.727	0.308	SRV+Double
	reference	Negative selection	0.185	34.513	SRV+Double
	reference	Negative selection, Diversifying selection	0.225	65.179	SRV+Double
	test	Negative selection, Diversifying selection	4.727	0.308	SRV+Double
	test	Negative selection	0.185	34.513	SRV+Double
	test	Negative selection, Diversifying selection	0.225	65.179	SRV+Double
	reference	Negative selection, Diversifying selection	4.513	0.285	SRV+Double
	reference	Negative selection	0.183	34.212	SRV+Double
	reference	Negative selection, Diversifying selection	0.224	65.503	SRV+Double
	test	Negative selection, Diversifying selection	1.91	0.285	SRV+Double
	test	Diversifying selection	4.513	0.285	SRV+Double
	test	Negative selection	0.482	34.212	SRV+Double
	test	Negative selection	0.526	65.503	SRV+Double
	test	Negative selection	0.183	34.212	SRV+Double
	test	Negative selection, Diversifying selection	0.224	65.503	SRV+Double
	reference	Negative selection, Diversifying selection	4.728	0.308	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	1	0.12	8.471	SRV	
	2	0.864	82.475	SRV	
	3	3.061	9.054	SRV	
	1	0.12	8.431	SRV	
	2	0.864	82.502	SRV	
	3	3.06	9.067	SRV	
	1	0.119	8.388	SRV	
	2	0.863	82.514	SRV	
	3	3.054	9.098	SRV	
SRV	1	0.121	8.464	SRV	
	2	0.864	82.484	SRV	
	3	3.062	9.052	SRV	
	1	0.122	8.511	SRV	
	2	0.864	82.45	SRV	
	3	3.063	9.039	SRV	
	1	0.121	8.482	SRV	
	2	0.864	82.465	SRV	
	3	3.062	9.052	SRV	
SRV	1	0.124	8.595	SRV	
	2	0.865	82.369	SRV	
	3	3.065	9.036	SRV	
	1	0.12	8.423	SRV	
	2	0.863	82.514	SRV	
	3	3.061	9.063	SRV	
	1	0.121	8.49	SRV	
	2	0.864	82.459	SRV	
	3	3.063	9.051	SRV	
SRV	1	0.121	8.486	SRV	
	2	0.864	82.452	SRV	
	3	3.058	9.061	SRV	

	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0388	SRV+Double+Triple	
	reference		2H	0.0395	SRV+Double+Triple	
	reference		3H	0.1197	SRV+Double+Triple	
	reference		3H	0.1194	SRV+Double+Triple	
	test		2H	0.3735	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1056	SRV+Double+Triple	
	reference		2H	0.0392	SRV+Double+Triple	
	reference		3H	0.1744	SRV+Double+Triple	
	reference		3H	0.1196	SRV+Double+Triple	
	test		2H	0.2512	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0383	SRV+Double+Triple	
	reference		2H	0.0395	SRV+Double+Triple	
	reference		3H	0.1186	SRV+Double+Triple	
	reference		3H	0.1195	SRV+Double+Triple	
	test		2H	0.3729	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1033	SRV+Double+Triple	
	reference		2H	0.0399	SRV+Double+Triple	
	reference		3H	0.176	SRV+Double+Triple	
	reference		3H	0.1199	SRV+Double+Triple	
	test		2H	0.2511	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0389	SRV+Double+Triple	
	reference		2H	0.0398	SRV+Double+Triple	
	reference		3H	0.1195	SRV+Double+Triple	
	test		2H	0.373	SRV+Double+Triple	
	test		2H	0.2464	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1034	SRV+Double+Triple	
	reference		2H	0.0398	SRV+Double+Triple	
	reference		3H	0.1729	SRV+Double+Triple	
	reference		3H	0.12	SRV+Double+Triple	
	test		2H	0.2513	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.039	SRV+Double+Triple	
	reference		2H	0.0398	SRV+Double+Triple	
	reference		3H	0.1195	SRV+Double+Triple	
	reference		3H	0.12	SRV+Double+Triple	
	test		2H	0.3732	SRV+Double+Triple	
	test		2H	0.2475	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1081	SRV+Double+Triple	
	reference		2H	0.0398	SRV+Double+Triple	
	reference		3H	0.1798	SRV+Double+Triple	
	reference		3H	0.1001	SRV+Double+Triple	