

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

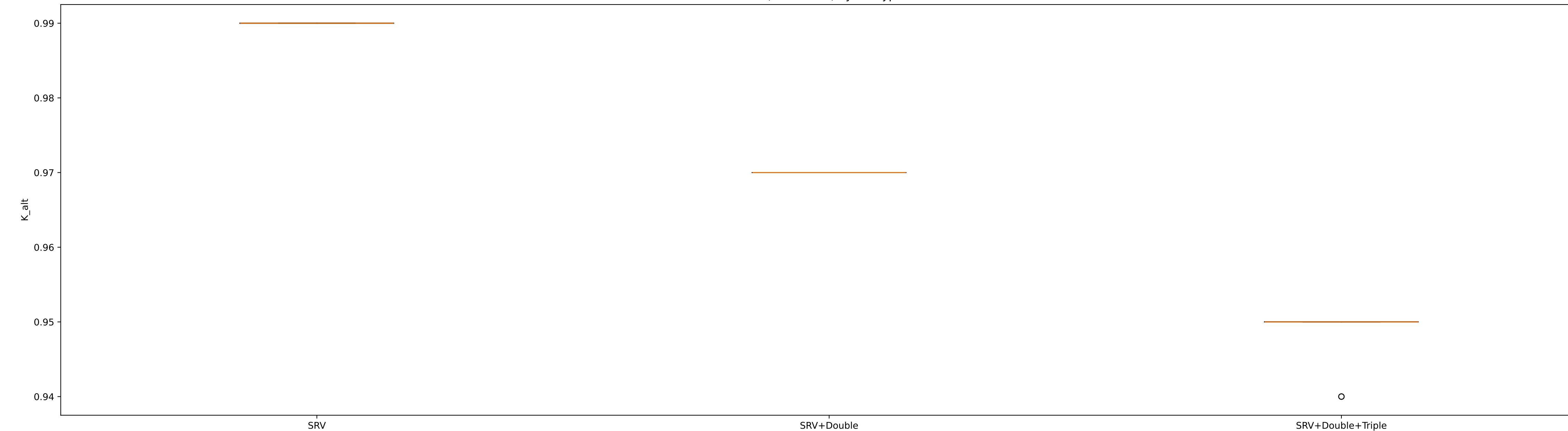
Includes:

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

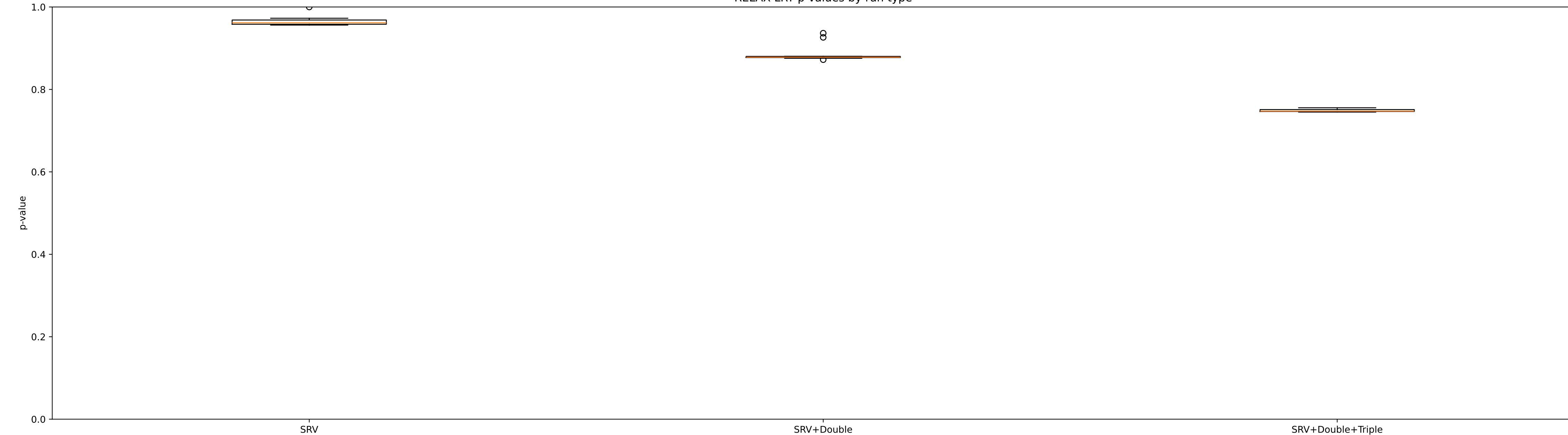
Run-type summary statistics

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
0.9616	0.9561	1.0	0.99	0.99	0.99	0.2353	0.2751	10	nan	nan
0.8782	0.8722	0.9364	0.97	0.97	0.97	0.2354	0.2752	10	0.0539	0.169
0.7473	0.7451	0.7555	0.95	0.94	0.95	0.2353	0.275	10	0.0599	0.0

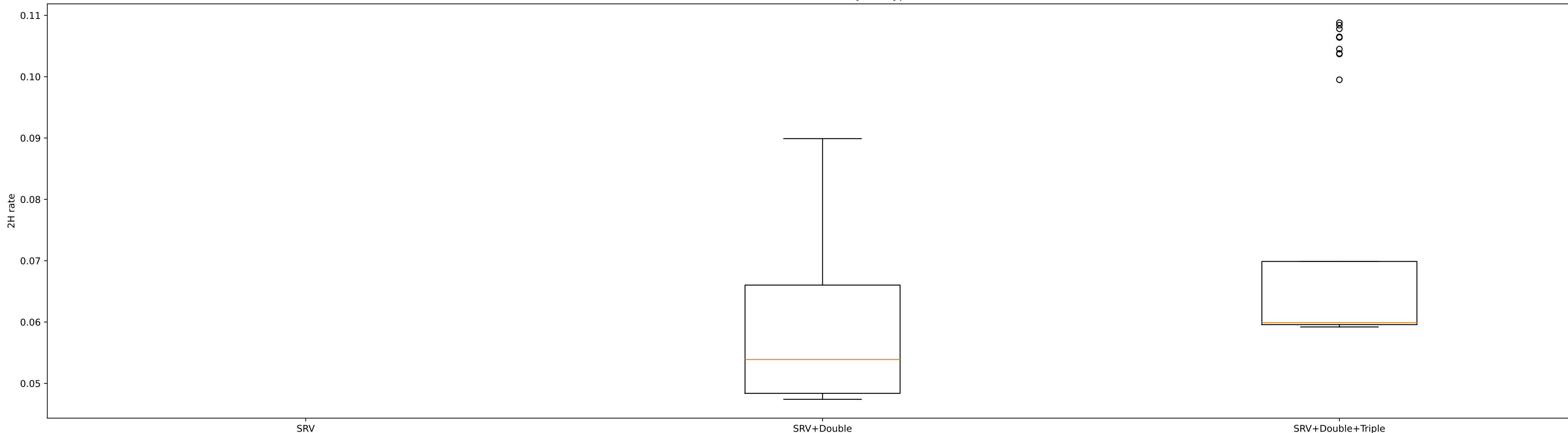
K (alternative) by run type



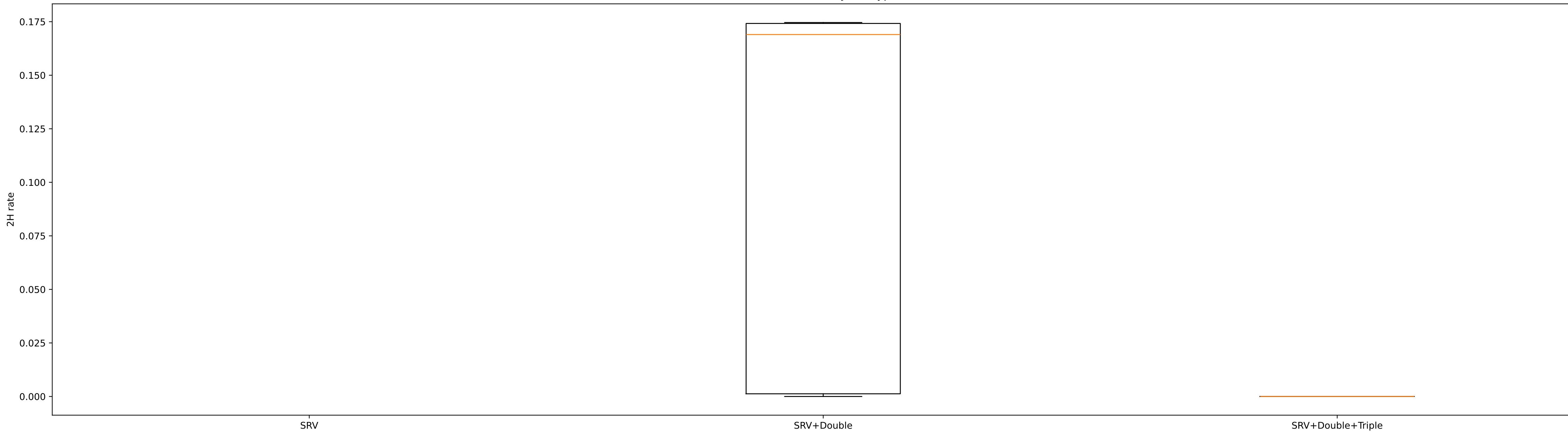
RELAX LRT p-values by run type



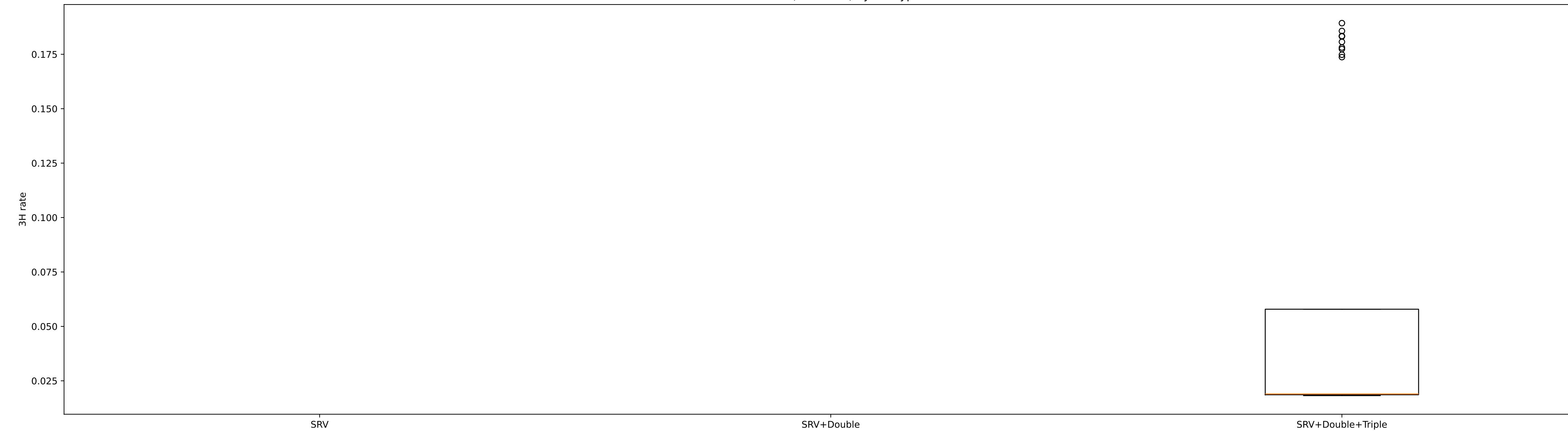
2H rates (reference) by run type



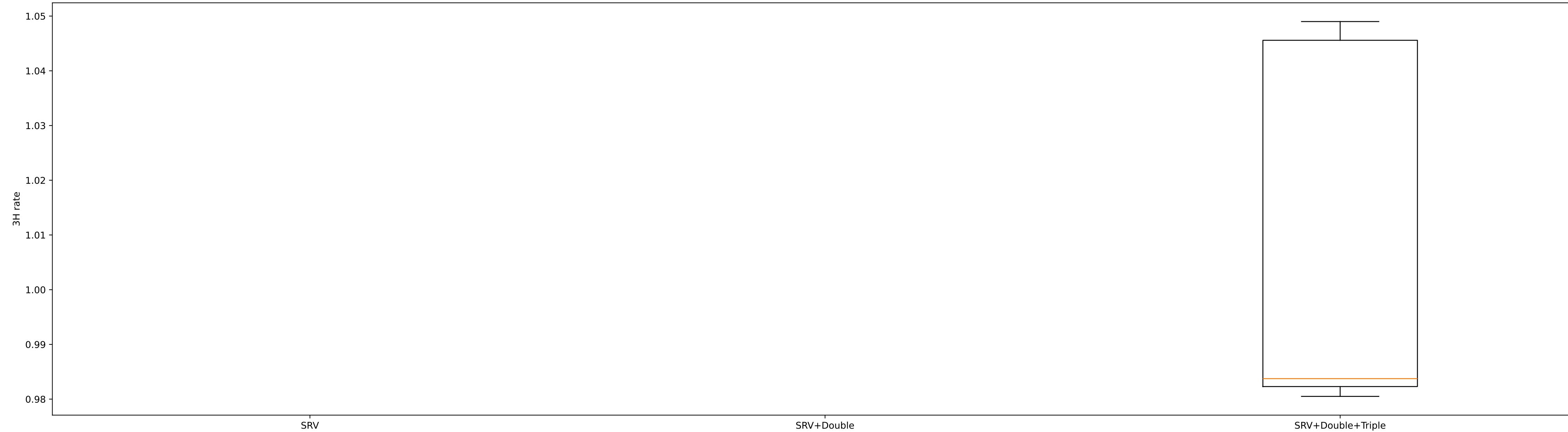
2H rates (test) by run type



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	1.0	0.99	0.2353	0.2756
	2	0.9598	0.99	0.2356	0.2755
	3	0.9634	0.99	0.2353	0.2749
	4	0.9574	0.99	0.2352	0.2749
	5	0.9671	0.99	0.2352	0.2749
	6	0.9561	0.99	0.2353	0.2752
	7	0.9727	0.99	0.2355	0.2752
	8	0.9587	0.99	0.2352	0.2749
	9	0.9579	0.99	0.2353	0.275
	10	0.9688	0.99	0.2348	0.2754

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.8804	0.97	0.2353	0.2752
	2	0.9364	0.97	0.2354	0.2752
	3	0.8756	0.97	0.2356	0.2755
	4	0.8774	0.97	0.2348	0.2754
	5	0.9263	0.97	0.2354	0.2752
	6	0.8773	0.97	0.2355	0.2752
	7	0.8779	0.97	0.2348	0.2754
	8	0.8795	0.97	0.2353	0.2752
	9	0.8784	0.97	0.2353	0.2749
	10	0.8722	0.97	0.2354	0.2752

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.7462	0.95	0.2353	0.275
	2	0.7523	0.94	0.2356	0.2755
	3	0.7465	0.95	0.2353	0.275
	4	0.7555	0.95	0.2352	0.2749
	5	0.7472	0.95	0.2353	0.275
	6	0.7465	0.95	0.2353	0.275
	7	0.7474	0.95	0.2353	0.2749
	8	0.7528	0.95	0.2353	0.2756
	9	0.7476	0.95	0.2353	0.2752
	10	0.7451	0.95	0.2354	0.2752

	test	Negative selection	0.186	9.895	SRV+Double
	test	Negative selection	0.226	89.906	SRV+Double
	test	Negative selection	0.177	9.895	SRV+Double
	test	Negative selection	0.216	89.906	SRV+Double
	reference	Diversifying selection	0.203		SRV+Double
	reference	Negative selection	0.186	9.486	SRV+Double
	reference	Negative selection	0.215	90.311	SRV+Double
	test	Negative selection	4.588	0.203	SRV+Double
	test	Negative selection	0.186	9.486	SRV+Double
	test	Negative selection	0.215	90.311	SRV+Double
	reference	Diversifying selection	0.209		SRV+Double
	reference	Negative selection	0.183	36.431	SRV+Double
	reference	Negative selection	0.229	63.361	SRV+Double
	test	Diversifying selection	4.091	0.209	SRV+Double
	test	Diversifying selection	4.282	0.209	SRV+Double
	test	Negative selection	0.193	36.431	SRV+Double
	test	Negative selection	0.239	63.361	SRV+Double
	test	Negative selection	0.183	36.431	SRV+Double
	test	Negative selection	0.229	63.361	SRV+Double
	reference	Diversifying selection	4.435	0.215	SRV+Double
	reference	Negative selection	0.199	35.478	SRV+Double
	reference	Negative selection	0.219	64.307	SRV+Double
	test	Diversifying selection	4.435	0.215	SRV+Double
	test	Negative selection	0.199	35.478	SRV+Double
	test	Negative selection	0.219	64.307	SRV+Double
	reference	Diversifying selection	4.395	0.198	SRV+Double
	reference	Negative selection	0.178	9.406	SRV+Double
	reference	Negative selection	0.216	90.396	SRV+Double
	test	Diversifying selection	4.197	0.198	SRV+Double
	test	Diversifying selection	4.395	0.198	SRV+Double
	test	Negative selection	0.188	9.406	SRV+Double
	test	Negative selection	0.226	90.396	SRV+Double
	test	Negative selection	0.178	9.406	SRV+Double
	test	Negative selection	0.216	90.396	SRV+Double
	reference	Diversifying selection	4.601	0.201	SRV+Double
	reference	Negative selection	0.189	8.931	SRV+Double
	reference	Negative selection	0.215	90.868	SRV+Double
	test	Diversifying selection	4.601	0.201	SRV+Double
	test	Negative selection	0.189	8.931	SRV+Double
	test	Negative selection	0.215	90.868	SRV+Double
	reference	Diversifying selection	4.359	0.202	SRV+Double
	reference	Negative selection	0.18	12.688	SRV+Double
	reference	Negative selection	0.217	87.11	SRV+Double
	test	Diversifying selection	4.161	0.202	SRV+Double
	test	Diversifying selection	4.359	0.202	SRV+Double
	test	Negative selection	0.19	12.688	SRV+Double
	test	Negative selection	0.227	87.11	SRV+Double
	test	Negative selection	0.18	12.688	SRV+Double
	test	Negative selection	0.212		SRV+Double
	test	Negative selection	0.217	87.11	SRV+Double
	reference	Diversifying selection	4.553	0.204	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	1	0.117	8.312	SRV	
	2	0.862	82.599	SRV	
	3	3.059	9.09	SRV	
	1	0.119	8.4	SRV	
	2	0.864	82.541	SRV	
	3	3.06	9.058	SRV	
	1	0.117	8.319	SRV	
	2	0.863	82.604	SRV	
	3	3.058	9.077	SRV	
SRV	1	0.118	8.36	SRV	
	2	0.863	82.571	SRV	
	3	3.06	9.069	SRV	
	1	0.117	8.299	SRV	
	2	0.862	82.609	SRV	
	3	3.058	9.092	SRV	
	1	0.118	8.335	SRV	
	2	0.863	82.588	SRV	
	3	3.057	9.077	SRV	
SRV	1	0.118	8.339	SRV	
	2	0.863	82.592	SRV	
	3	3.059	9.069	SRV	
	1	0.121	8.48	SRV	
	2	0.864	82.478	SRV	
	3	3.062	9.042	SRV	
	1	0.121	8.459	SRV	
	2	0.864	82.495	SRV	
	3	3.062	9.046	SRV	
SRV	1	0.119	8.414	SRV	
	2	0.863	82.527	SRV	
	3	3.061	9.059	SRV	

	test		3H	0.982	SRV+Double+Triple	
	reference		2H	0.0595	SRV+Double+Triple	
	reference		2H	0.06	SRV+Double+Triple	
	reference		3H	0.0189	SRV+Double+Triple	
	reference		3H	0.0193	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	1.0475	SRV+Double+Triple	
	test		3H	0.9826	SRV+Double+Triple	
	reference		2H	0.1084	SRV+Double+Triple	
	reference		2H	0.0598	SRV+Double+Triple	
	reference		3H	0.1834	SRV+Double+Triple	
	reference		3H	0.0184	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.9864	SRV+Double+Triple	
	reference		2H	0.0594	SRV+Double+Triple	
	reference		2H	0.06	SRV+Double+Triple	
	reference		3H	0.0184	SRV+Double+Triple	
	reference		3H	0.0188	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	1.049	SRV+Double+Triple	
	test		3H	0.9849	SRV+Double+Triple	
	reference		2H	0.1038	SRV+Double+Triple	
	reference		2H	0.0598	SRV+Double+Triple	
	reference		3H	0.1781	SRV+Double+Triple	
	reference		3H	0.0187	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.9817	SRV+Double+Triple	
	reference		2H	0.0593	SRV+Double+Triple	
	reference		2H	0.0599	SRV+Double+Triple	
	reference		3H	0.0184	SRV+Double+Triple	
	reference		3H	0.0188	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	1.0458	SRV+Double+Triple	
	test		3H	0.9827	SRV+Double+Triple	
	reference		2H	0.0995	SRV+Double+Triple	
	reference		2H	0.0597	SRV+Double+Triple	
	reference		3H	0.1737	SRV+Double+Triple	
	reference		3H	0.0187	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.9813	SRV+Double+Triple	
	reference		2H	0.0593	SRV+Double+Triple	
	reference		2H	0.0599	SRV+Double+Triple	
	reference		3H	0.0185	SRV+Double+Triple	
	reference		3H	0.019	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	1.046	SRV+Double+Triple	
	test		3H	0.9827	SRV+Double+Triple	
	reference		2H	0.1064	SRV+Double+Triple	
	reference		2H	0.0597	SRV+Double+Triple	
	reference		3H	0.1832	SRV+Double+Triple	