

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
0.362	0.3608	0.8073	0.77	0.65	0.77	0.1721	0.2511	10	nan	nan
0.3552	0.3533	0.875	0.77	0.74	0.78	0.1721	0.2511	10	0.01	0.0
0.3586	0.3537	1.0	0.77	0.68	0.78	0.1721	0.2511	10	0.0064	0.0

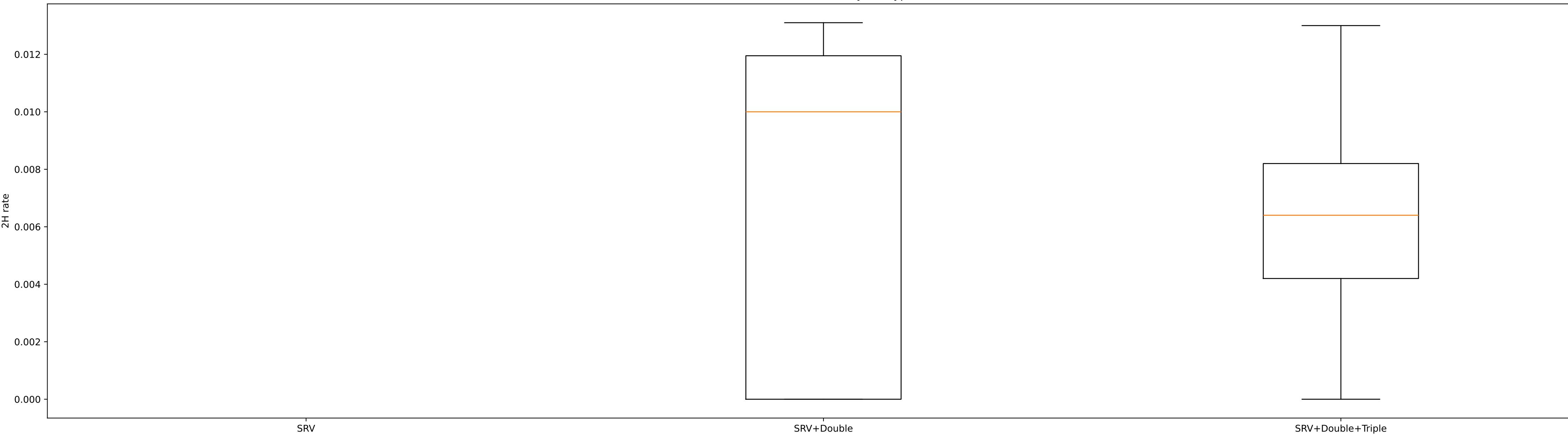
K (alternative) by run type



RELAX LRT p-values by run type



2H rates (reference) by run type



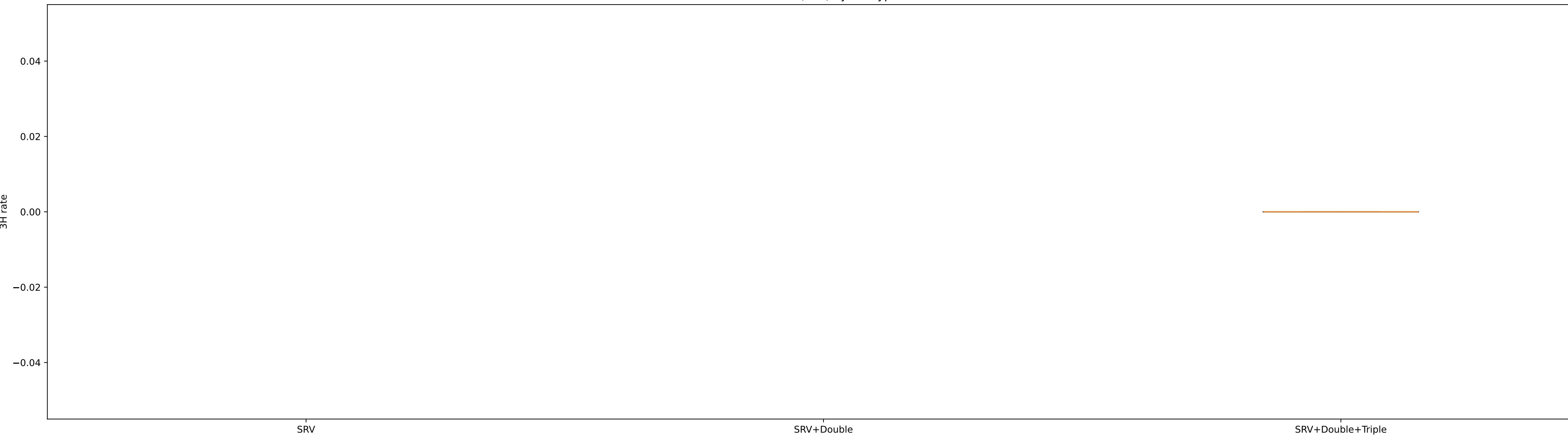
2H rates (test) by run type



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	0.362	0.76	0.172	0.2507
	2	0.8073	0.65	0.1721	0.2511
	3	0.3619	0.77	0.1721	0.2511
	4	0.362	0.77	0.1721	0.2511
	5	0.3608	0.77	0.1721	0.2511
	6	0.362	0.77	0.1721	0.2511
	7	0.3619	0.77	0.1721	0.2511
	8	0.3639	0.76	0.1721	0.2511
	9	0.3619	0.77	0.1721	0.2511
	10	0.3613	0.77	0.1721	0.2511

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.3533	0.78	0.1721	0.2511
	2	0.358	0.77	0.1721	0.2511
	3	0.363	0.76	0.1721	0.2511
	4	0.875	0.74	0.1721	0.2511
	5	0.3539	0.78	0.1721	0.2511
	6	0.3534	0.78	0.1721	0.2511
	7	0.3549	0.77	0.172	0.2506
	8	0.3607	0.76	0.1721	0.2511
	9	0.3555	0.77	0.1721	0.2511
	10	0.3545	0.77	0.1721	0.2511

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

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.3586	0.77	0.1721	0.2511
	2	0.3586	0.77	0.1721	0.2511
	3	0.3605	0.76	0.1721	0.2511
	4	1.0	0.68	0.1721	0.2511
	5	0.359	0.76	0.1721	0.2511
	6	0.3584	0.77	0.1721	0.2511
	7	0.3567	0.77	0.1721	0.2511
	8	0.3577	0.77	0.1721	0.2511
	9	0.3592	0.76	0.1721	0.2511
	10	0.3537	0.78	0.1721	0.2511

	test	Negative selection	0.228	6.018	SRV+Double
	test	Negative selection	0.246	93.982	SRV+Double
	test	Negative selection	0.15	93.982	SRV+Double
	test	Negative selection, Diversifying selection	0.387	6.018	SRV+Double
	reference	Ω-class distributions (all) (cols 1-7/7)			SRV+Double
	reference	Negative selection	0.154	84.917	SRV+Double
	reference	Negative selection, Diversifying selection	0.221	15.083	SRV+Double
	test	Negative selection, Diversifying selection	1.877	0.0	SRV+Double
	test	Negative selection	0.154	84.917	SRV+Double
	test	Negative selection, Diversifying selection	0.221	15.083	SRV+Double
	reference	Negative selection, Diversifying selection	4.875	0.0	SRV+Double
	reference	Negative selection	0.041	3.263	SRV+Double
	reference	Negative selection, Diversifying selection	0.168	96.737	SRV+Double
	test	Negative selection, Diversifying selection	3.424	0.0	SRV+Double
	test	Diversifying selection	4.875	0.0	SRV+Double
	test	Negative selection	0.084	3.263	SRV+Double
	test	Negative selection	0.251	96.737	SRV+Double
	test	Negative selection	0.041	3.263	SRV+Double
	test	Negative selection, Diversifying selection	0.168	96.737	SRV+Double
	reference	Negative selection, Diversifying selection	1.775	0.0	SRV+Double
	reference	Negative selection	0.045	4.04	SRV+Double
	reference	Negative selection, Diversifying selection	0.172	95.96	SRV+Double
	test	Negative selection, Diversifying selection	1.775	0.0	SRV+Double
	test	Negative selection	0.045	4.04	SRV+Double
	test	Negative selection	0.172	95.96	SRV+Double
	reference	Negative selection, Diversifying selection	1.043	0.0	SRV+Double
	reference	Negative selection	0.161	0.0	SRV+Double
	reference	Negative selection, Diversifying selection	0.164	100.0	SRV+Double
	test	Negative selection, Diversifying selection	1.033	0.0	SRV+Double
	test	Diversifying selection	1.043	0.0	SRV+Double
	test	Negative selection	0.241	0.0	SRV+Double
	test	Negative selection	0.245	100.0	SRV+Double
	test	Negative selection	0.161	0.0	SRV+Double
	test	Negative selection, Diversifying selection	0.164	100.0	SRV+Double
	reference	Negative selection, Diversifying selection	2.078	0.0	SRV+Double
	reference	Negative selection	0.161	19.954	SRV+Double
	reference	Negative selection, Diversifying selection	0.169	80.046	SRV+Double
	test	Negative selection, Diversifying selection	2.078	0.0	SRV+Double
	test	Negative selection	0.161	19.954	SRV+Double
	test	Negative selection, Diversifying selection	0.169	80.046	SRV+Double
	reference	Negative selection, Diversifying selection	1.287	0.0	SRV+Double
	reference	Negative selection	0.025	5.54	SRV+Double
	reference	Negative selection, Diversifying selection	0.173	94.46	SRV+Double
	test	Negative selection, Diversifying selection	1.216	0.0	SRV+Double
	test	Diversifying selection	1.287	0.0	SRV+Double
	test	Negative selection	0.057	5.54	SRV+Double
	test	Negative selection	0.257	94.46	SRV+Double
	test	Negative selection	0.025	5.54	SRV+Double
	test	Negative selection, Diversifying selection	12.073	94.46	SRV+Double
	reference	Negative selection, Diversifying selection	2.686	0.0	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
SRV	1	0.278	26.966	SRV	
	2	0.435	29.993	SRV	
	3	1.846	43.041	SRV	
	1	0.288	31.964	SRV	
	2	0.45	24.814	SRV	
	3	1.843	43.222	SRV	
	1	0.274	30.239	SRV	
	2	0.467	26.97	SRV	
	3	1.849	42.792	SRV	
SRV	1	0.262	29.264	SRV	
	2	0.481	28.196	SRV	
	3	1.852	42.54	SRV	
	1	0.337	40.761	SRV	
	2	0.386	15.54	SRV	
	3	1.837	43.699	SRV	
	1	0.264	30.297	SRV	
	2	0.491	27.336	SRV	
	3	1.855	42.367	SRV	
SRV	1	0.267	29.241	SRV	
	2	0.472	28.086	SRV	
	3	1.85	42.672	SRV	
	1	0.277	28.303	SRV	
	2	0.444	28.664	SRV	
	3	1.846	43.033	SRV	
	1	0.281	29.595	SRV	
	2	0.447	27.318	SRV	
	3	1.844	43.088	SRV	
SRV	1	0.329	34.888	SRV	
	2	0.388	21.472	SRV	
	3	1.838	43.64	SRV	

			test	2H	0.0	SRV+Double	
		reference		2H	0.0114	SRV+Double	
		reference		2H	0.0125	SRV+Double	
		test		2H	0.0	SRV+Double	
		reference		2H	0.0	SRV+Double+Triple	
		reference		2H	0.007	SRV+Double+Triple	
		reference		3H	0.0	SRV+Double+Triple	
		test		2H	0.0	SRV+Double+Triple	
		test		3H	0.0	SRV+Double+Triple	
		reference		2H	0.0061	SRV+Double+Triple	
		reference		2H	0.008	SRV+Double+Triple	
		reference		3H	0.0	SRV+Double+Triple	
		test		2H	0.0	SRV+Double+Triple	
		test		3H	0.0	SRV+Double+Triple	
		reference		2H	0.0	SRV+Double+Triple	
		reference		2H	0.0064	SRV+Double+Triple	
		reference		3H	0.0	SRV+Double+Triple	
		test		2H	0.0	SRV+Double+Triple	
		test		3H	0.0	SRV+Double+Triple	
		reference		2H	0.005	SRV+Double+Triple	
		reference		2H	0.0071	SRV+Double+Triple	
		reference		3H	0.0	SRV+Double+Triple	
		test		2H	0.0	SRV+Double+Triple	
		test		3H	0.0	SRV+Double+Triple	
		reference		2H	0.0	SRV+Double+Triple	
		reference		2H	0.005	SRV+Double+Triple	
		reference		3H	0.0	SRV+Double+Triple	
		test		2H	0.0	SRV+Double+Triple	
		test		3H	0.0	SRV+Double+Triple	
		reference		2H	0.0	SRV+Double+Triple	
		reference		2H	0.0042	SRV+Double+Triple	
		reference		3H	0.0	SRV+Double+Triple	
		test		2H	0.0	SRV+Double+Triple	
		test		3H	0.0	SRV+Double+Triple	
		reference		2H	0.0	SRV+Double+Triple	
		reference		2H	0.0064	SRV+Double+Triple	
		reference		3H	0.0	SRV+Double+Triple	
		test		2H	0.0	SRV+Double+Triple	
		test		3H	0.0	SRV+Double+Triple	
		reference		2H	0.0	SRV+Double+Triple	
		reference		2H	0.0109	SRV+Double+Triple	
		reference		3H	0.0	SRV+Double+Triple	
		test		2H	0.0	SRV+Double+Triple	
		test		3H	0.0	SRV+Double+Triple	
		reference		2H	0.011	SRV+Double+Triple	
		reference		2H	0.0111	SRV+Double+Triple	
		reference		3H	0.0114	SRV+Double+Triple	
		reference		3H	0.0	SRV+Double+Triple	
		test		2H	0.0	SRV+Double+Triple	
		test		3H	0.0	SRV+Double+Triple	
		reference		2H	0.0	SRV+Double+Triple	
		reference		2H	0.0062	SRV+Double+Triple	
		reference		3H	0.0	SRV+Double+Triple	
		test		2H	0.0	SRV+Double+Triple	
		test		3H	0.0	SRV+Double+Triple	