

## 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
0.322	0.3212	0.3243	1.13	1.13	1.14	0.2416	0.1931	10	nan	nan
0.275	0.2728	0.2989	1.15	1.15	1.16	0.2416	0.193	10	0.065	0.0
0.2568	0.2556	0.2589	1.15	1.15	1.15	0.2416	0.1931	10	0.0588	0.0

K (alternative) by run type



### RELAX LRT p-values by run type



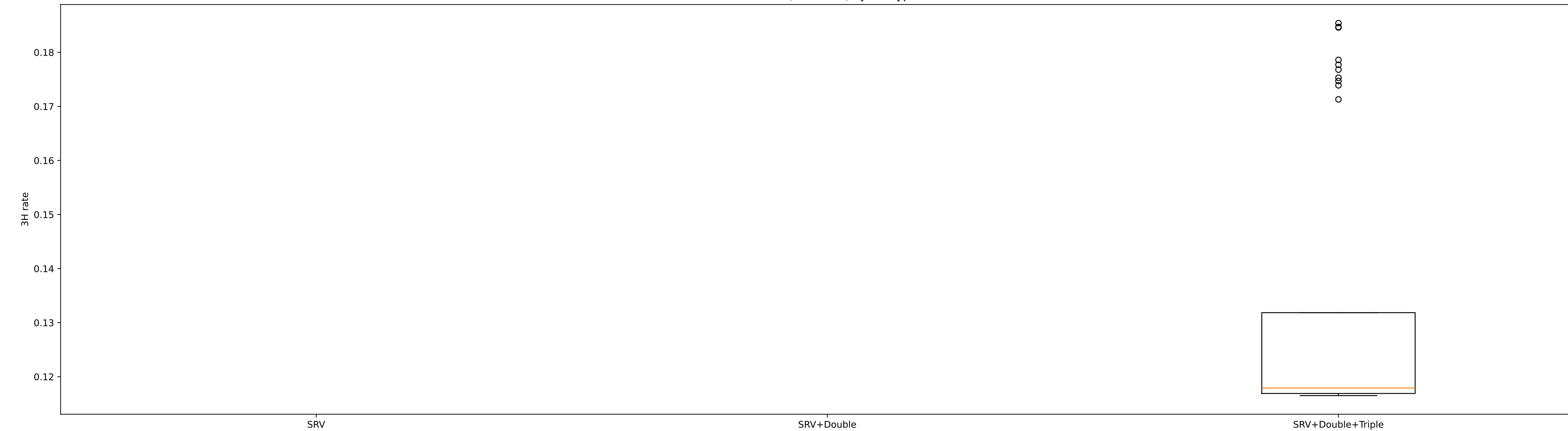
2H rates (reference) by run type



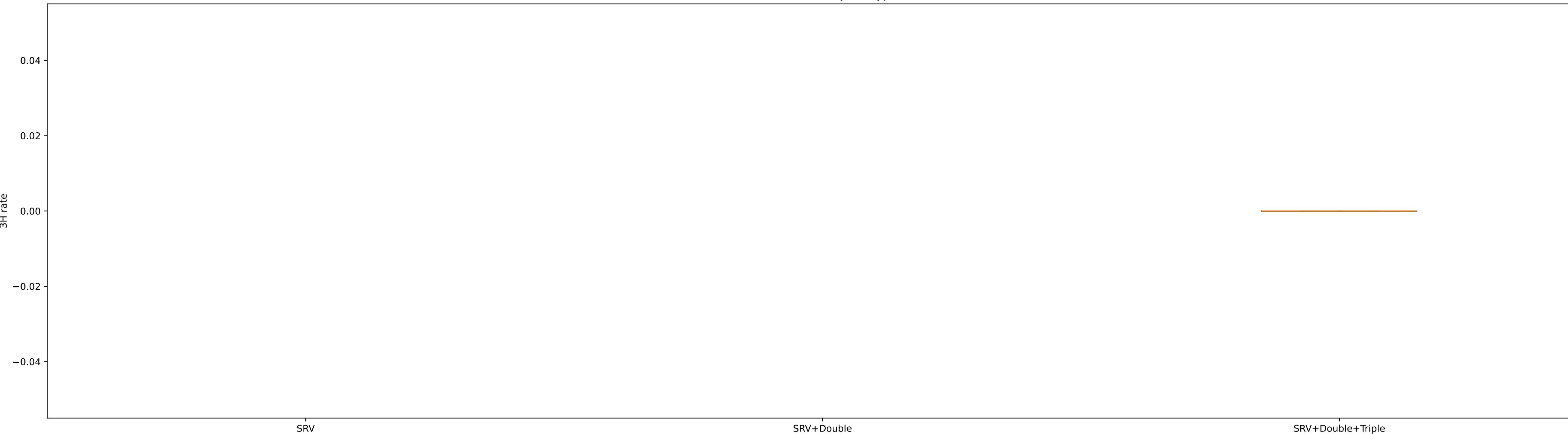
2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.3221	1.13	0.2413	0.1931
	2	0.3212	1.14	0.2416	0.1931
	3	0.322	1.13	0.2416	0.1931
	4	0.3233	1.13	0.2416	0.193
	5	0.3218	1.13	0.2416	0.1931
	6	0.3219	1.13	0.2418	0.1932
	7	0.3243	1.14	0.2418	0.1931
	8	0.3217	1.13	0.2415	0.1933
	9	0.3216	1.13	0.2416	0.1928
	10	0.3225	1.13	0.2416	0.1932

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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_reference</b>	<b>global_dNdS_test</b>
	1	0.2737	1.15	0.2416	0.1932
	2	0.2749	1.15	0.2418	0.1932
	3	0.2751	1.15	0.2417	0.193
	4	0.2728	1.15	0.2416	0.1931
	5	0.2989	1.16	0.2416	0.1928
	6	0.2766	1.15	0.2416	0.1931
	7	0.2767	1.15	0.2416	0.193
	8	0.2741	1.15	0.2418	0.1931
	9	0.276	1.15	0.2416	0.1928
	10	0.2737	1.15	0.2416	0.1929

## 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	0.2564	1.15	0.2415	0.1933
	2	0.2569	1.15	0.2418	0.1931
	3	0.2568	1.15	0.2417	0.193
	4	0.2589	1.15	0.2416	0.1928
	5	0.2562	1.15	0.2416	0.1932
	6	0.2572	1.15	0.2416	0.1931
	7	0.2574	1.15	0.2419	0.1933
	8	0.2565	1.15	0.2417	0.193
	9	0.2587	1.15	0.2416	0.1928
	10	0.2556	1.15	0.2415	0.1931

	test	Negative selection	0.161	8.515	SRV+Double
	test	Negative selection	0.176	91.424	SRV+Double
	test	Negative selection	0.204	8.515	SRV+Double
	test	Negative selection	0.22	91.424	SRV+Double
	reference	Diversifying selection	<b>Ω-class distributions (all) (cols 1-7/7)</b>		
	reference	Negative selection	0.114	SRV+Double	
	reference	Negative selection	0.205	11.363	SRV+Double
	reference	Negative selection	0.215	88.522	SRV+Double
	test	Diversifying selection	6.408	0.114	SRV+Double
	test	Negative selection	0.205	11.363	SRV+Double
	test	Negative selection	0.215	88.522	SRV+Double
	reference	Diversifying selection	88.457	0.008	SRV+Double
	reference	Negative selection	0.19	69.529	SRV+Double
	reference	Negative selection	0.29	30.463	SRV+Double
	test	Diversifying selection	177.442	0.008	SRV+Double
	test	Diversifying selection	88.457	0.008	SRV+Double
	test	Negative selection	0.147	69.529	SRV+Double
	test	Negative selection	0.239	30.463	SRV+Double
	test	Negative selection	0.19	69.529	SRV+Double
	test	Negative selection	0.29	30.463	SRV+Double
	reference	Diversifying selection	5.885	0.134	SRV+Double
	reference	Negative selection	0.203	60.102	SRV+Double
	reference	Negative selection	0.228	39.764	SRV+Double
	test	Diversifying selection	5.885	0.134	SRV+Double
	test	Negative selection	0.203	60.102	SRV+Double
	test	Negative selection	0.228	39.764	SRV+Double
	reference	Diversifying selection	9.282	0.054	SRV+Double
	reference	Negative selection	0.197	59.087	SRV+Double
	reference	Negative selection	0.25	40.86	SRV+Double
	test	Diversifying selection	12.941	0.054	SRV+Double
	test	Diversifying selection	9.282	0.054	SRV+Double
	test	Negative selection	0.155	59.087	SRV+Double
	test	Negative selection	0.204	40.86	SRV+Double
	test	Negative selection	0.197	59.087	SRV+Double
	test	Negative selection	0.25	40.86	SRV+Double
	reference	Diversifying selection	6.212	0.122	SRV+Double
	reference	Negative selection	0.207	80.936	SRV+Double
	reference	Negative selection	0.239	18.943	SRV+Double
	test	Diversifying selection	6.212	0.122	SRV+Double
	test	Negative selection	0.207	80.936	SRV+Double
	test	Negative selection	0.239	18.943	SRV+Double
	reference	Diversifying selection	9.665	0.051	SRV+Double
	reference	Negative selection	0.191	45.579	SRV+Double
	reference	Negative selection	0.242	54.37	SRV+Double
	test	Diversifying selection	13.556	0.051	SRV+Double
	test	Diversifying selection	9.665	0.051	SRV+Double
	test	Negative selection	0.149	45.579	SRV+Double
	test	Negative selection	0.196	54.37	SRV+Double
	test	Negative selection	0.191	45.579	SRV+Double
	test	Negative selection	12.242	54.37	SRV+Double
	reference	Diversifying selection	6.379	0.115	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>	
SRV	1	0.118	8.356	SRV	
	2	0.863	82.583	SRV	
	3	3.059	9.062	SRV	
	1	0.115	8.205	SRV	
	2	0.861	82.662	SRV	
	3	3.05	9.133	SRV	
	1	0.119	8.374	SRV	
	2	0.863	82.533	SRV	
	3	3.051	9.093	SRV	
SRV	1	0.117	8.317	SRV	
	2	0.863	82.603	SRV	
	3	3.057	9.081	SRV	
	1	0.115	8.229	SRV	
	2	0.862	82.674	SRV	
	3	3.054	9.097	SRV	
	1	0.118	8.327	SRV	
	2	0.863	82.588	SRV	
	3	3.054	9.085	SRV	
SRV	1	0.112	8.131	SRV	
	2	0.861	82.745	SRV	
	3	3.052	9.124	SRV	
	1	0.12	8.418	SRV	
	2	0.864	82.554	SRV	
	3	3.065	9.028	SRV	
	1	0.121	8.452	SRV	
	2	0.864	82.519	SRV	
	3	3.062	9.029	SRV	
SRV	1	0.117	8.326	SRV	
	2	0.863	82.587	SRV	
	3	3.055	9.087	SRV	

	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.06	SRV+Double+Triple	
	reference		2H	0.0573	SRV+Double+Triple	
	reference		3H	0.1186	SRV+Double+Triple	
	reference		3H	0.1169	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1046	SRV+Double+Triple	
	reference		2H	0.0574	SRV+Double+Triple	
	reference		3H	0.1786	SRV+Double+Triple	
	reference		3H	0.1167	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0599	SRV+Double+Triple	
	reference		2H	0.0575	SRV+Double+Triple	
	reference		3H	0.1185	SRV+Double+Triple	
	reference		3H	0.117	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1038	SRV+Double+Triple	
	reference		2H	0.0575	SRV+Double+Triple	
	reference		3H	0.1777	SRV+Double+Triple	
	reference		3H	0.1169	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0599	SRV+Double+Triple	
	reference		2H	0.0575	SRV+Double+Triple	
	reference		3H	0.1187	SRV+Double+Triple	
	reference		3H	0.1169	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.107	SRV+Double+Triple	
	reference		2H	0.0573	SRV+Double+Triple	
	reference		3H	0.1847	SRV+Double+Triple	
	reference		3H	0.1165	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.06	SRV+Double+Triple	
	reference		2H	0.0574	SRV+Double+Triple	
	reference		3H	0.1185	SRV+Double+Triple	
	reference		3H	0.1169	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.106	SRV+Double+Triple	
	reference		2H	0.0575	SRV+Double+Triple	
	reference		3H	0.1747	SRV+Double+Triple	
	reference		3H	0.1169	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.06	SRV+Double+Triple	