

## 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

<b>p_median</b>	<b>p_min</b>	<b>p_max</b>	<b>K_median</b>	<b>K_min</b>	<b>K_max</b>	<b>omega_ref_medi an</b>	<b>omega_test_medi an</b>	<b>warnings_count</b>	<b>2H_reference_m edian</b>	<b>2H_test_median</b>
0.2692	0.234	1.0	0.74	0.7	36.92	0.2282	0.3008	10	nan	nan
0.3631	0.2841	0.4009	0.75	0.72	0.76	0.2282	0.3008	10	0.0	0.1015
0.2686	0.2576	1.0	0.74	0.74	50.0	0.2282	0.3008	10	0.0	0.1022

K (alternative) by run type



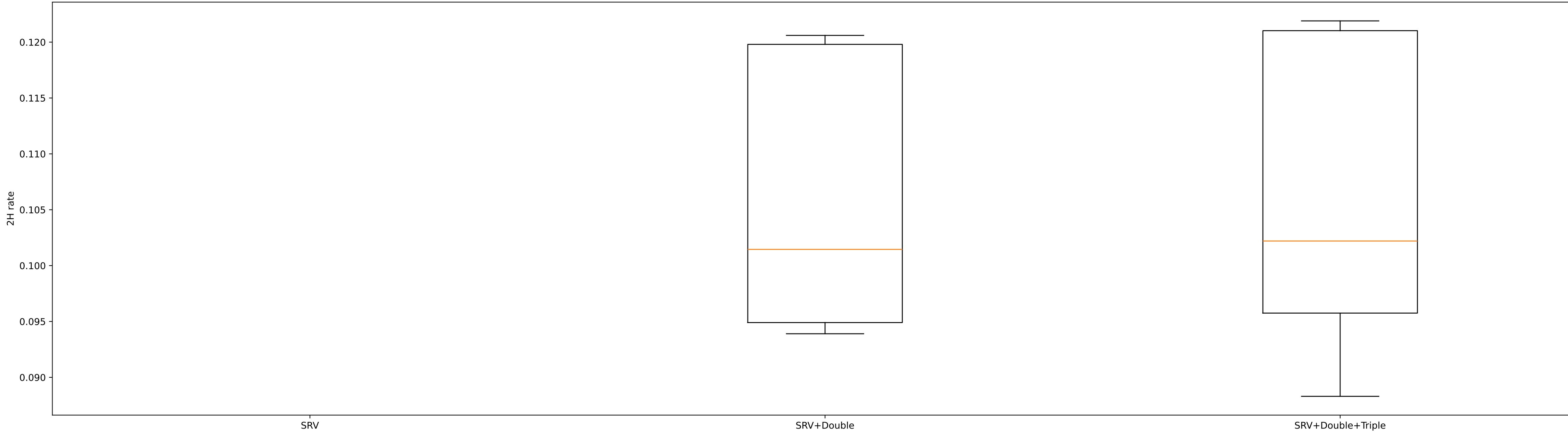
RELAX LRT p-values by run type



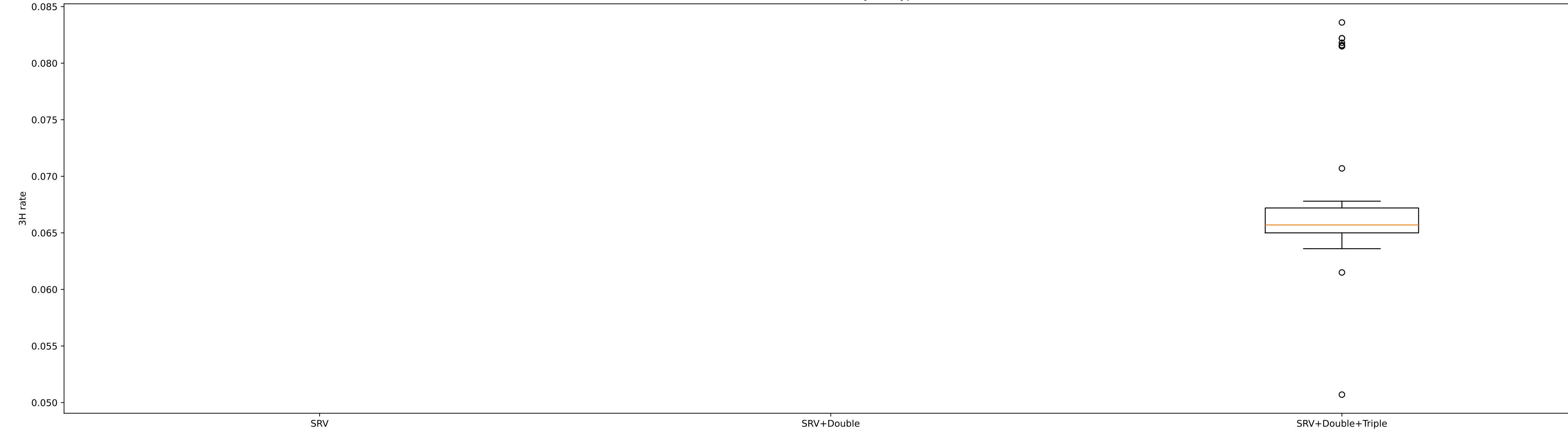
2H rates (reference) by run type



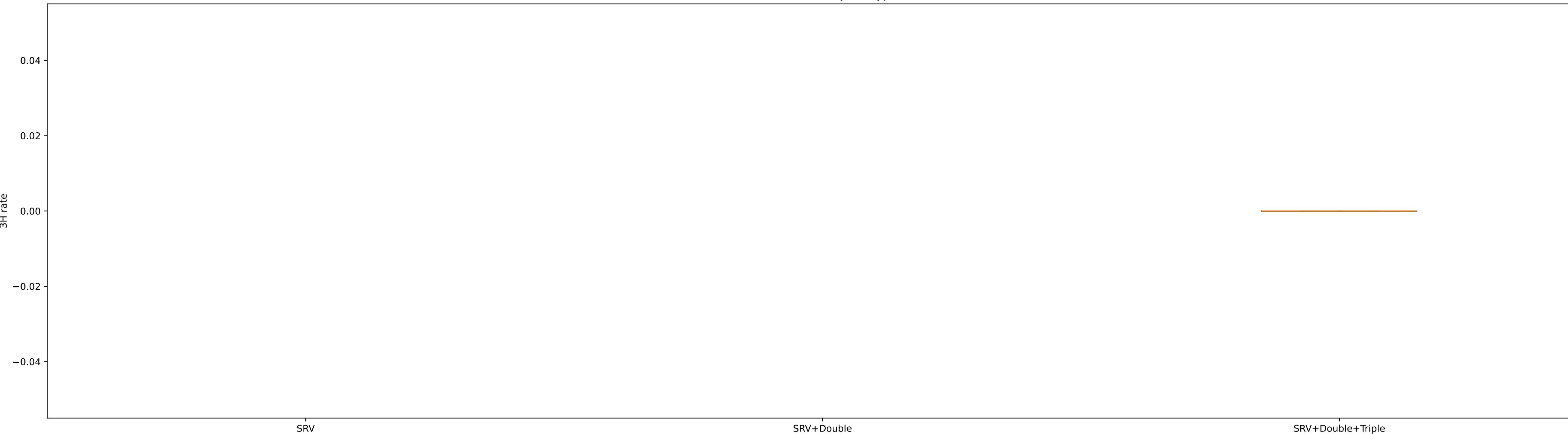
2H rates (test) by run type



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	0.2609	0.7	0.2282	0.3008
	2	0.248	0.72	0.2282	0.3008
	3	0.3302	0.74	0.2282	0.3008
	4	0.2417	0.73	0.2282	0.3008
	5	1.0	36.92	0.2282	0.3008
	6	0.288	0.76	0.2282	0.3008
	7	0.2453	0.74	0.2283	0.3011
	8	0.2774	0.75	0.2283	0.3011
	9	0.3431	0.74	0.2282	0.3008
	10	0.234	0.74	0.2282	0.3008

## Replicate-level summary — SRV+Double (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	0.3636	0.76	0.2282	0.3008
	2	0.3627	0.74	0.2282	0.3008
	3	0.3596	0.74	0.2282	0.3008
	4	0.3909	0.76	0.2282	0.3008
	5	0.3617	0.75	0.2282	0.3008
	6	0.3667	0.75	0.2282	0.3008
	7	0.369	0.75	0.2282	0.3008
	8	0.3582	0.74	0.2282	0.3008
	9	0.4009	0.76	0.2282	0.3008
	10	0.2841	0.72	0.2283	0.3011

## 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	0.2675	0.74	0.2282	0.3008
	2	0.267	0.74	0.2282	0.3008
	3	0.2642	0.74	0.2282	0.3008
	4	0.2669	0.74	0.2282	0.3008
	5	1.0	40.81	0.2282	0.3008
	6	0.2696	0.74	0.2282	0.3008
	7	0.2576	0.74	0.2282	0.3008
	8	0.2699	0.74	0.2282	0.3008
	9	0.3729	0.76	0.2282	0.3008
	10	0.2981	50.0	0.2283	0.3011

	test	Negative selection	0.007	9.185	SRV+Double
	test	Negative selection	0.179	83.023	SRV+Double
	test	Neutral evolution	1.0	7.792	SRV+Double
	test	Neutral evolution	1.0	7.792	SRV+Double
	reference	Diversifying selection	0.0	SRV+Double	
	reference	Negative selection	0.0	40.802	SRV+Double
	reference	Negative selection	0.391	59.198	SRV+Double
	test	Diversifying selection	1.08	0.0	SRV+Double
	test	Negative selection	0.0	40.802	SRV+Double
	test	Negative selection	0.391	59.198	SRV+Double
	reference	Negative selection	0.013	26.818	SRV+Double
	reference	Negative selection	0.242	67.101	SRV+Double
	reference	Neutral evolution	1.0	6.081	SRV+Double
	test	Negative selection	0.04	26.818	SRV+Double
	test	Negative selection	0.347	67.101	SRV+Double
	test	Negative selection	0.013	26.818	SRV+Double
	test	Negative selection	0.242	67.101	SRV+Double
	test	Neutral evolution	1.0	6.081	SRV+Double
	test	Neutral evolution	1.0	6.081	SRV+Double
	reference	Diversifying selection	1.077	0.0	SRV+Double
	reference	Negative selection	0.0	42.71	SRV+Double
	reference	Negative selection	0.405	57.29	SRV+Double
	test	Diversifying selection	1.077	0.0	SRV+Double
	test	Negative selection	0.0	42.71	SRV+Double
	test	Negative selection	0.405	57.29	SRV+Double
	reference	Negative selection	0.007	22.448	SRV+Double
	reference	Negative selection	0.225	71.061	SRV+Double
	reference	Neutral evolution	1.0	6.492	SRV+Double
	test	Negative selection	0.026	22.448	SRV+Double
	test	Negative selection	0.329	71.061	SRV+Double
	test	Negative selection	0.007	22.448	SRV+Double
	test	Negative selection	0.225	71.061	SRV+Double
	test	Neutral evolution	1.0	6.492	SRV+Double
	test	Neutral evolution	1.0	6.492	SRV+Double
	reference	Diversifying selection	1.075	0.0	SRV+Double
	reference	Negative selection	0.0	40.673	SRV+Double
	reference	Negative selection	0.39	59.327	SRV+Double
	test	Diversifying selection	1.075	0.0	SRV+Double
	test	Negative selection	0.0	40.673	SRV+Double
	test	Negative selection	0.39	59.327	SRV+Double
	reference	Negative selection	0.013	23.818	SRV+Double
	reference	Negative selection	0.227	69.659	SRV+Double
	reference	Neutral evolution	1.0	6.523	SRV+Double
	test	Negative selection	0.038	23.818	SRV+Double
	test	Negative selection	0.33	69.659	SRV+Double
	test	Negative selection	0.013	23.818	SRV+Double
	test	Negative selection	0.227	69.659	SRV+Double
	test	Neutral evolution	1.0	6.523	SRV+Double
	test	Neutral evolution	12	6.523	SRV+Double
	test	Diversifying selection	1.0	6.523	SRV+Double
	reference	Negative selection	1.079	0.0	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	0.0	10.085	SRV	
	2	0.941	78.566	SRV	
	3	2.297	11.35	SRV	
	1	0.0	10.095	SRV	
	2	0.941	78.467	SRV	
	3	2.289	11.438	SRV	
	1	0.0	10.121	SRV	
	2	0.943	78.789	SRV	
	3	2.317	11.089	SRV	
SRV	1	0.0	10.091	SRV	
	2	0.94	78.331	SRV	
	3	2.277	11.577	SRV	
	1	0.0	10.116	SRV	
	2	0.942	78.569	SRV	
	3	2.298	11.315	SRV	
	1	0.0	10.126	SRV	
	2	0.944	78.745	SRV	
	3	2.31	11.129	SRV	
SRV	1	0.0	10.106	SRV	
	2	0.941	78.524	SRV	
	3	2.293	11.369	SRV	
	1	0.0	10.136	SRV	
	2	0.943	78.665	SRV	
	3	2.302	11.199	SRV	
	1	0.0	10.113	SRV	
	2	0.943	78.76	SRV	
	3	2.314	11.126	SRV	
SRV	1	0.0	10.096	SRV	
	2	0.94	78.358	SRV	
	3	2.28	11.545	SRV	

	reference		3H	0.0643	SRV+Double+Triple	
	test		2H	0.121	SRV+Double+Triple	
	test		2H	0.1022	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.0822	SRV+Double+Triple	
	reference		3H	0.067	SRV+Double+Triple	
	test		2H	0.0955	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.0651	SRV+Double+Triple	
	reference		3H	0.0642	SRV+Double+Triple	
	test		2H	0.1211	SRV+Double+Triple	
	test		2H	0.1021	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.0818	SRV+Double+Triple	
	reference		3H	0.0669	SRV+Double+Triple	
	test		2H	0.0955	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.0652	SRV+Double+Triple	
	reference		3H	0.0641	SRV+Double+Triple	
	test		2H	0.1213	SRV+Double+Triple	
	test		2H	0.1022	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.0707	SRV+Double+Triple	
	reference		3H	0.067	SRV+Double+Triple	
	test		2H	0.0954	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.0652	SRV+Double+Triple	
	reference		3H	0.0643	SRV+Double+Triple	
	test		2H	0.1211	SRV+Double+Triple	
	test		2H	0.1022	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.0615	SRV+Double+Triple	
	reference		3H	0.0507	SRV+Double+Triple	
	test		2H	0.0883	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.0654	SRV+Double+Triple	
	reference		3H	0.0668	SRV+Double+Triple	
	reference		3H	0.0636	SRV+Double+Triple	
	test		2H	0.1211	SRV+Double+Triple	
	test		2H	0.0958	SRV+Double+Triple	
	test		2H	0.121	SRV+Double+Triple	