

## RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

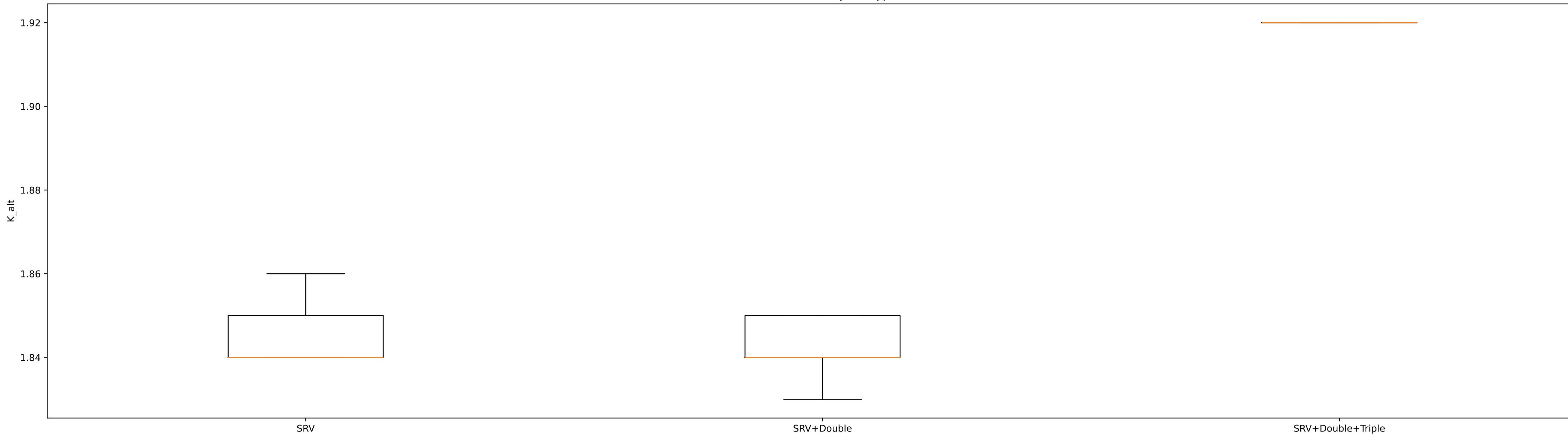
Includes:

- 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_median	omega_test_median	warnings_count	2H_reference_median	2H_test_median
0.1922	0.1868	0.1936	1.84	1.84	1.86	0.2777	0.1163	10	nan	nan
0.1921	0.1919	0.1923	1.84	1.83	1.85	0.2777	0.1163	10	0.0	0.0
0.1683	0.1664	0.1686	1.92	1.92	1.92	0.2777	0.1163	10	0.0	0.0

K (alternative) by run type



RELAX LRT p-values by run type



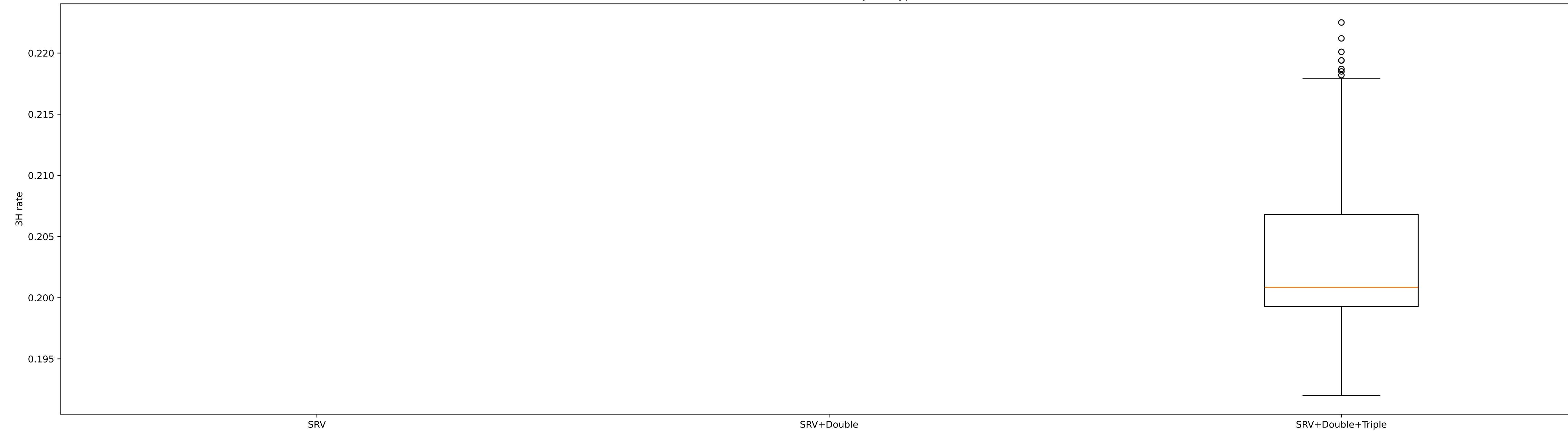
2H rates (reference) by run type



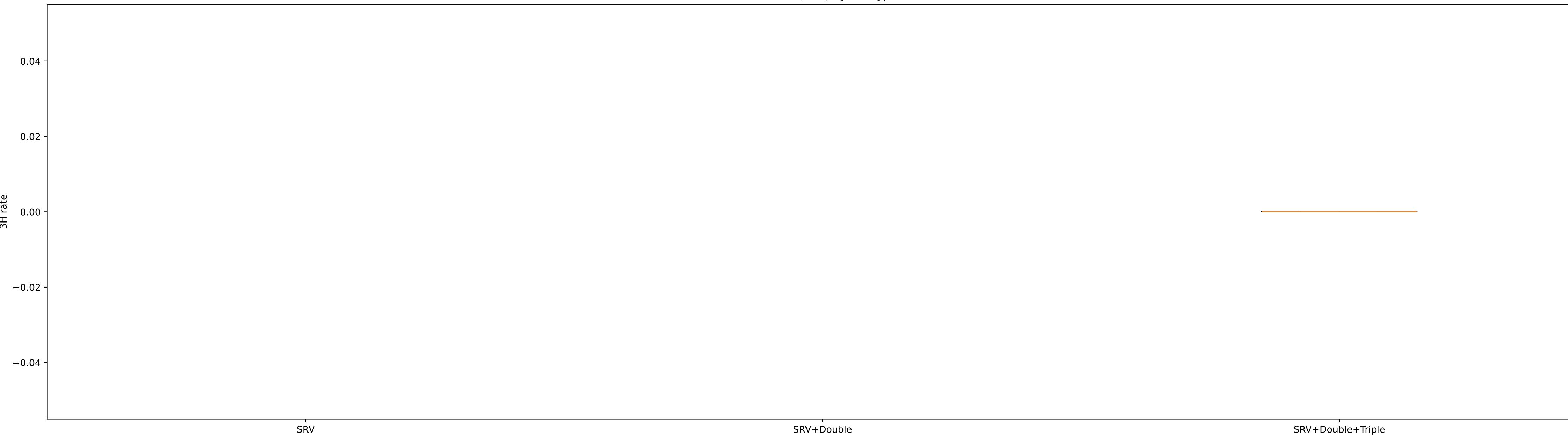
2H rates (test) by run type



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	0.192	1.84	0.2777	0.1163
	2	0.1923	1.84	0.2777	0.1163
	3	0.1868	1.85	0.2777	0.1163
	4	0.1936	1.86	0.2777	0.1163
	5	0.1929	1.84	0.2777	0.1163
	6	0.1921	1.84	0.2777	0.1163
	7	0.1919	1.84	0.2777	0.1163
	8	0.1926	1.85	0.2777	0.1163
	9	0.1928	1.85	0.2777	0.1163
	10	0.1921	1.84	0.2777	0.1163

## 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	0.192	1.85	0.2777	0.1163
	2	0.1921	1.85	0.2777	0.1163
	3	0.1919	1.85	0.2777	0.1163
	4	0.192	1.84	0.2777	0.1163
	5	0.192	1.84	0.2777	0.1163
	6	0.1923	1.84	0.2777	0.1163
	7	0.1922	1.85	0.2777	0.1163
	8	0.1921	1.84	0.2777	0.1163
	9	0.1922	1.83	0.2777	0.1163
	10	0.1921	1.84	0.2777	0.1163

## 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	0.1683	1.92	0.2777	0.1163
	2	0.168	1.92	0.2777	0.1163
	3	0.1664	1.92	0.2777	0.1163
	4	0.1685	1.92	0.2777	0.1163
	5	0.1684	1.92	0.2777	0.1163
	6	0.1686	1.92	0.2777	0.1163
	7	0.1683	1.92	0.2777	0.1163
	8	0.1676	1.92	0.2777	0.1163
	9	0.1683	1.92	0.2777	0.1163
	10	0.1684	1.92	0.2777	0.1163

	test	Negative selection	0.075	2.38	SRV+Double
	test	Negative selection	0.091	97.62	SRV+Double
	test	Negative selection	0.246	2.38	SRV+Double
	test	Negative selection	0.272	97.62	SRV+Double
	reference	Diversifying selection	0.0	SRV+Double	
	reference	Negative selection	0.246	21.532	SRV+Double
	reference	Negative selection	0.261	78.468	SRV+Double
	test	Diversifying selection	4.012	0.0	SRV+Double
	test	Negative selection	0.246	21.532	SRV+Double
	test	Negative selection	0.261	78.468	SRV+Double
	reference	Diversifying selection	2.428	0.0	SRV+Double
	reference	Negative selection	0.001	0.0	SRV+Double
	reference	Negative selection	0.271	100.0	SRV+Double
	test	Diversifying selection	5.109	0.0	SRV+Double
	test	Diversifying selection	2.428	0.0	SRV+Double
	test	Negative selection	0.0	0.0	SRV+Double
	test	Negative selection	0.091	100.0	SRV+Double
	test	Negative selection	0.001	0.0	SRV+Double
	test	Negative selection	0.271	100.0	SRV+Double
	reference	Diversifying selection	4.443	0.0	SRV+Double
	reference	Negative selection	0.002	0.0	SRV+Double
	reference	Negative selection	0.257	100.0	SRV+Double
	test	Diversifying selection	4.443	0.0	SRV+Double
	test	Negative selection	0.002	0.0	SRV+Double
	test	Negative selection	0.257	100.0	SRV+Double
	reference	Diversifying selection	3.722	0.0	SRV+Double
	reference	Negative selection	0.272	100.0	SRV+Double
	reference	Negative selection	0.31	0.0	SRV+Double
	test	Diversifying selection	11.233	0.0	SRV+Double
	test	Diversifying selection	3.722	0.0	SRV+Double
	test	Negative selection	0.091	100.0	SRV+Double
	test	Negative selection	0.116	0.0	SRV+Double
	test	Negative selection	0.272	100.0	SRV+Double
	test	Negative selection	0.31	0.0	SRV+Double
	reference	Diversifying selection	1.102	0.0	SRV+Double
	reference	Negative selection	0.232	0.0	SRV+Double
	reference	Negative selection	0.257	100.0	SRV+Double
	test	Diversifying selection	1.102	0.0	SRV+Double
	test	Negative selection	0.232	0.0	SRV+Double
	test	Negative selection	0.257	100.0	SRV+Double
	reference	Diversifying selection	3.152	0.0	SRV+Double
	reference	Negative selection	0.237	0.0	SRV+Double
	reference	Negative selection	0.272	100.0	SRV+Double
	test	Diversifying selection	8.351	0.0	SRV+Double
	test	Diversifying selection	3.152	0.0	SRV+Double
	test	Negative selection	0.07	0.0	SRV+Double
	test	Negative selection	0.09	100.0	SRV+Double
	test	Negative selection	0.237	0.0	SRV+Double
	test	Negative selection	12	0.0	SRV+Double
	test	Negative selection	0.272	100.0	SRV+Double
	reference	Diversifying selection	1.04	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	0.872	16.062	SRV	
	2	0.882	82.911	SRV	
	3	12.5	1.027	SRV	
	1	0.876	14.36	SRV	
	2	0.881	84.622	SRV	
	3	12.605	1.019	SRV	
	1	0.873	98.809	SRV	
	2	8.819	0.898	SRV	
	3	19.946	0.292	SRV	
SRV	1	0.873	11.987	SRV	
	2	0.881	86.986	SRV	
	3	12.592	1.026	SRV	
	1	0.874	14.492	SRV	
	2	0.882	84.48	SRV	
	3	12.51	1.027	SRV	
	1	0.878	14.267	SRV	
	2	0.879	84.673	SRV	
	3	12.354	1.06	SRV	
SRV	1	0.872	15.167	SRV	
	2	0.882	83.806	SRV	
	3	12.546	1.027	SRV	
	1	0.876	23.252	SRV	
	2	0.881	75.722	SRV	
	3	12.568	1.026	SRV	
	1	0.878	81.389	SRV	
	2	0.882	17.549	SRV	
	3	12.301	1.062	SRV	
SRV	1	0.878	16.297	SRV	
	2	0.881	82.691	SRV	
	3	12.678	1.012	SRV	

	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.1931	SRV+Double+Triple	
	reference		3H	0.2015	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		3H	0.2225	SRV+Double+Triple	
	reference		3H	0.2003	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		3H	0.1963	SRV+Double+Triple	
	reference		3H	0.2016	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		3H	0.2182	SRV+Double+Triple	
	reference		3H	0.2005	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		3H	0.2033	SRV+Double+Triple	
	reference		3H	0.2014	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		3H	0.2201	SRV+Double+Triple	
	reference		3H	0.2015	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		3H	0.0	SRV+Double+Triple	
	reference		3H	0.194	SRV+Double+Triple	
	reference		3H	0.2024	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		3H	0.2194	SRV+Double+Triple	
	reference		3H	0.1992	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		3H	0.1948	SRV+Double+Triple	
	reference		3H	0.2004	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		3H	0.2179	SRV+Double+Triple	
	reference		3H	0.1995	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	