

## RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

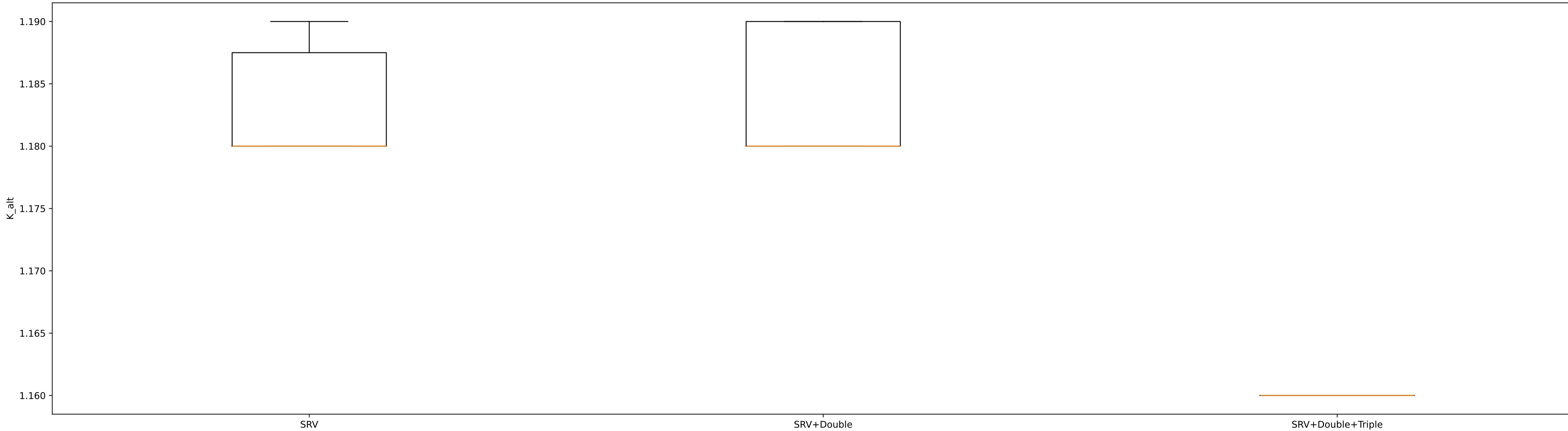
Includes:

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

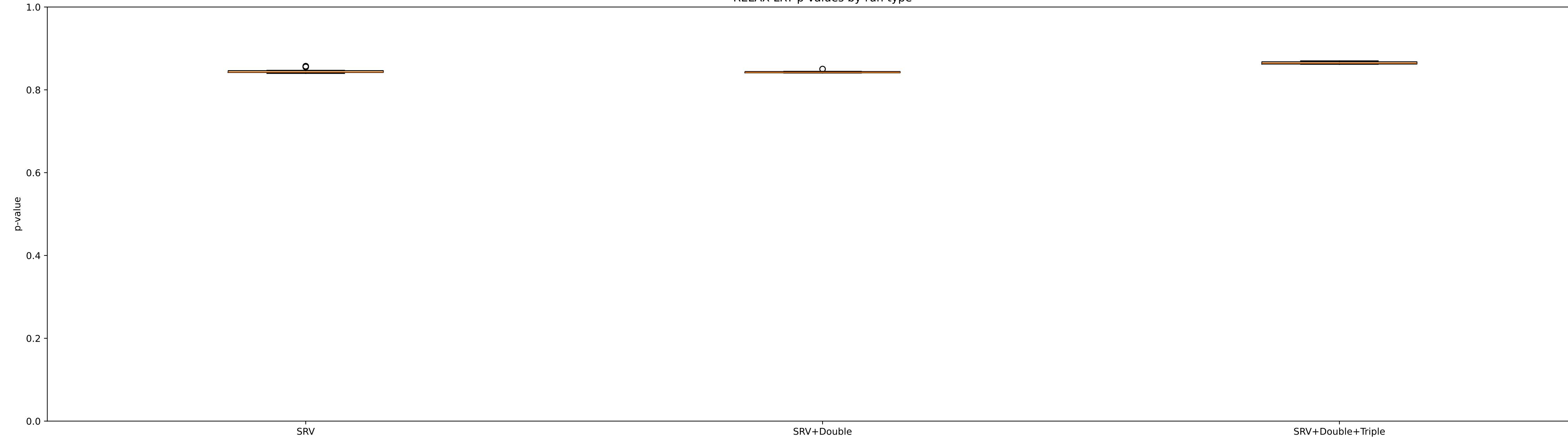
## Run-type summary statistics

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
0.8432	0.8397	0.8572	1.18	1.18	1.19	0.2672	0.1999	10	nan	nan
0.8422	0.8407	0.8502	1.18	1.18	1.19	0.2672	0.1999	10	0.0	0.0
0.8645	0.8617	0.8699	1.16	1.16	1.16	0.2672	0.1999	10	0.0	0.0

K (alternative) by run type



### RELAX LRT p-values by run type



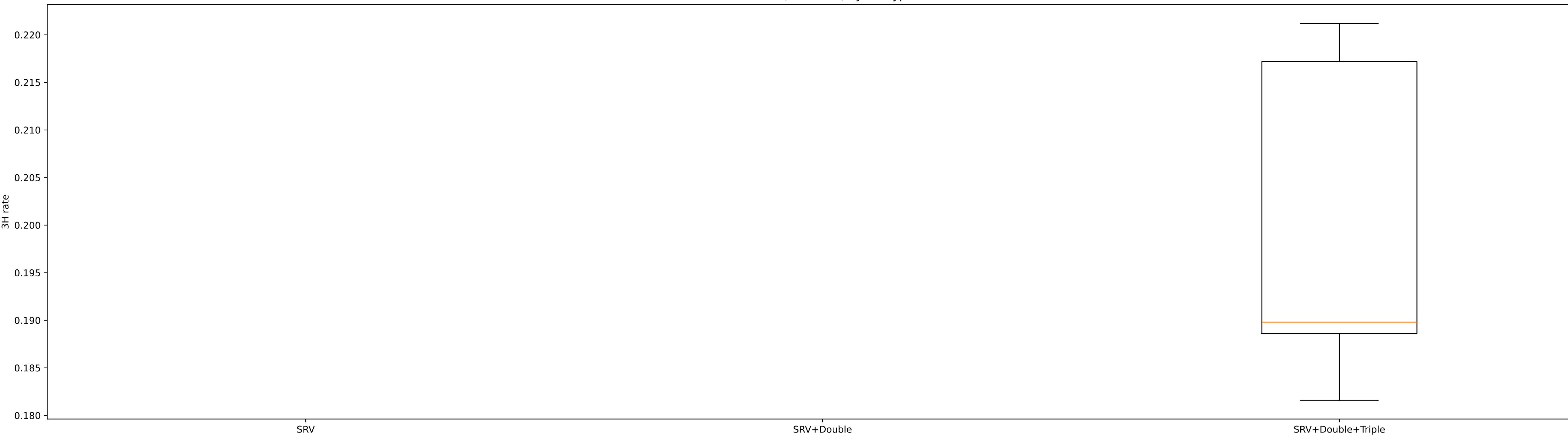
2H rates (reference) by run type



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	0.8397	1.18	0.2672	0.1999
	2	0.8552	1.19	0.2672	0.1999
	3	0.8427	1.18	0.2672	0.1999
	4	0.8441	1.18	0.2672	0.1999
	5	0.8572	1.18	0.2672	0.1999
	6	0.8417	1.18	0.2672	0.1999
	7	0.8422	1.18	0.2672	0.1999
	8	0.8437	1.19	0.2672	0.1999
	9	0.8419	1.19	0.2669	0.1996
	10	0.8471	1.18	0.2672	0.1999

## 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	0.8422	1.18	0.2672	0.1999
	2	0.8447	1.19	0.2672	0.1999
	3	0.8423	1.19	0.2672	0.1999
	4	0.8408	1.18	0.2672	0.1999
	5	0.8447	1.19	0.2672	0.1999
	6	0.8502	1.19	0.2672	0.1999
	7	0.8407	1.18	0.2672	0.1999
	8	0.841	1.18	0.2672	0.1999
	9	0.8423	1.18	0.2672	0.1999
	10	0.8419	1.18	0.2672	0.1999

## 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	0.8699	1.16	0.2672	0.1999
	2	0.8617	1.16	0.2672	0.1999
	3	0.8623	1.16	0.2672	0.1999
	4	0.8695	1.16	0.2672	0.1999
	5	0.8637	1.16	0.2672	0.1999
	6	0.8653	1.16	0.2672	0.1999
	7	0.8684	1.16	0.2672	0.1999
	8	0.8617	1.16	0.2672	0.1999
	9	0.8655	1.16	0.2672	0.1999
	10	0.8626	1.16	0.2672	0.1999

	test	Negative selection	0.174	1.657	SRV+Double
	test	Negative selection	0.202	98.343	SRV+Double
	test	Negative selection	0.228	1.657	SRV+Double
	test	Negative selection	0.259	98.343	SRV+Double
	reference	<b>Ω-class distributions (all) (cols 1-7/7)</b>			SRV+Double
	reference	Negative selection	0.243	1.648	SRV+Double
	reference	Negative selection, Diversifying selection	0.257	98.352	SRV+Double
	test	Negative selection	1.04	0.0	SRV+Double
	test	Negative selection	0.243	1.648	SRV+Double
	test	Negative selection, Diversifying selection	0.257	98.352	SRV+Double
	reference	Negative selection, Diversifying selection	2.972	0.0	SRV+Double
	reference	Negative selection	0.213	13.019	SRV+Double
	reference	Negative selection, Diversifying selection	0.266	86.981	SRV+Double
	test	Negative selection, Diversifying selection	3.646	0.0	SRV+Double
	test	Negative selection, Diversifying selection	2.972	0.0	SRV+Double
	test	Negative selection	0.159	13.019	SRV+Double
	test	Negative selection	0.207	86.981	SRV+Double
	test	Negative selection	0.213	13.019	SRV+Double
	test	Negative selection, Diversifying selection	0.266	86.981	SRV+Double
	reference	Negative selection, Diversifying selection	1.22	0.0	SRV+Double
	reference	Negative selection	0.218	12.953	SRV+Double
	reference	Negative selection, Diversifying selection	0.263	87.047	SRV+Double
	test	Negative selection, Diversifying selection	1.22	0.0	SRV+Double
	test	Negative selection	0.218	12.953	SRV+Double
	test	Negative selection, Diversifying selection	0.263	87.047	SRV+Double
	reference	Negative selection	2.466	0.0	SRV+Double
	reference	Negative selection	0.205	9.779	SRV+Double
	reference	Negative selection, Diversifying selection	0.265	90.221	SRV+Double
	test	Negative selection, Diversifying selection	2.923	0.0	SRV+Double
	test	Negative selection, Diversifying selection	2.466	0.0	SRV+Double
	test	Negative selection	0.152	9.779	SRV+Double
	test	Negative selection	0.207	90.221	SRV+Double
	test	Negative selection	0.205	9.779	SRV+Double
	test	Negative selection, Diversifying selection	0.265	90.221	SRV+Double
	reference	Negative selection, Diversifying selection	6.129	0.0	SRV+Double
	reference	Negative selection	0.22	8.696	SRV+Double
	reference	Negative selection, Diversifying selection	0.261	91.304	SRV+Double
	test	Negative selection, Diversifying selection	6.129	0.0	SRV+Double
	test	Negative selection	0.22	8.696	SRV+Double
	test	Negative selection, Diversifying selection	0.261	91.304	SRV+Double
	reference	Negative selection, Diversifying selection	1.02	0.0	SRV+Double
	reference	Negative selection	0.251	0.0	SRV+Double
	reference	Negative selection, Diversifying selection	0.258	100.0	SRV+Double
	test	Negative selection, Diversifying selection	1.023	0.0	SRV+Double
	test	Negative selection, Diversifying selection	1.02	0.0	SRV+Double
	test	Negative selection	0.195	0.0	SRV+Double
	test	Negative selection	0.201	100.0	SRV+Double
	test	Negative selection	0.251	0.0	SRV+Double
	test	Negative selection, Diversifying selection	12.0258	100.0	SRV+Double
	reference	Negative selection, Diversifying selection	1.864	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	0.876	83.374	SRV	
	2	0.877	15.507	SRV	
	3	11.904	1.119	SRV	
	1	0.875	83.88	SRV	
	2	0.884	14.988	SRV	
	3	11.793	1.132	SRV	
	1	0.876	86.228	SRV	
	2	0.879	12.635	SRV	
	3	11.742	1.137	SRV	
SRV	1	0.876	89.972	SRV	
	2	0.884	8.888	SRV	
	3	11.723	1.14	SRV	
	1	0.877	87.537	SRV	
	2	0.878	11.331	SRV	
	3	11.76	1.132	SRV	
	1	0.876	80.228	SRV	
	2	0.879	18.648	SRV	
	3	11.838	1.124	SRV	
SRV	1	0.877	87.927	SRV	
	2	0.877	10.948	SRV	
	3	11.836	1.125	SRV	
	1	0.877	87.899	SRV	
	2	0.878	10.984	SRV	
	3	11.901	1.117	SRV	
	1	0.876	98.871	SRV	
	2	2.296	0.0	SRV	
	3	11.836	1.129	SRV	
SRV	1	0.876	10.833	SRV	
	2	0.877	88.04	SRV	
	3	11.792	1.127	SRV	

			3H	0.0	SRV+Double+Triple	
	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.19	SRV+Double+Triple	
	reference		3H	0.1898	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	0.2172	SRV+Double+Triple	
	reference		3H	0.1881	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	0.1901	SRV+Double+Triple	
	reference		3H	0.1892	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	0.2209	SRV+Double+Triple	
	reference		3H	0.1886	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	0.1899	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	0.2172	SRV+Double+Triple	
	reference		3H	0.1875	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	0.1893	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	0.2185	SRV+Double+Triple	
	reference		3H	0.1885	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	0.1911	SRV+Double+Triple	
	reference		3H	0.1901	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	0.1816	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	