

## RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

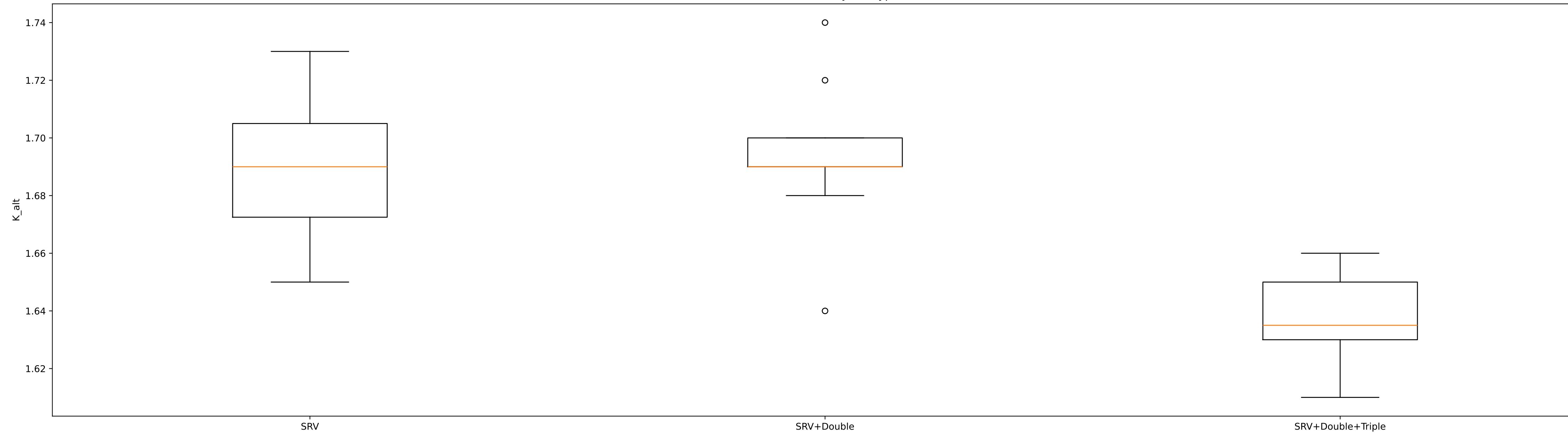
Includes:

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

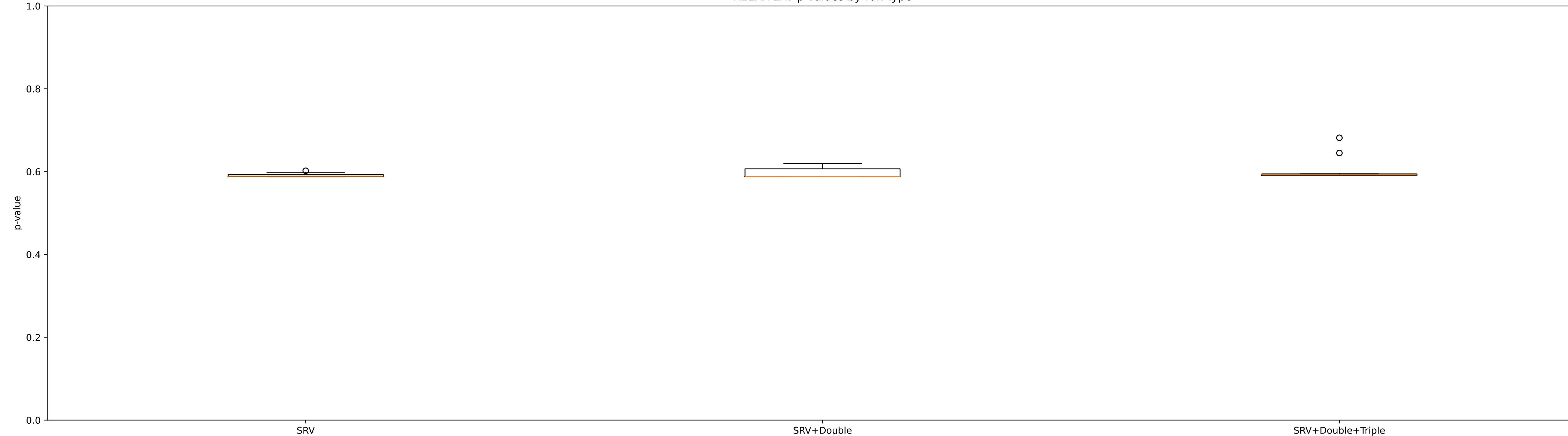
## Run-type summary statistics

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
0.5893	0.5873	0.6021	1.69	1.65	1.73	0.2351	0.1286	10	nan	nan
0.5882	0.5876	0.6197	1.69	1.64	1.74	0.2351	0.1286	10	0.0	0.0
0.5921	0.5902	0.6817	1.635	1.61	1.66	0.2351	0.1286	10	0.0	0.0

K (alternative) by run type



### RELAX LRT p-values by run type



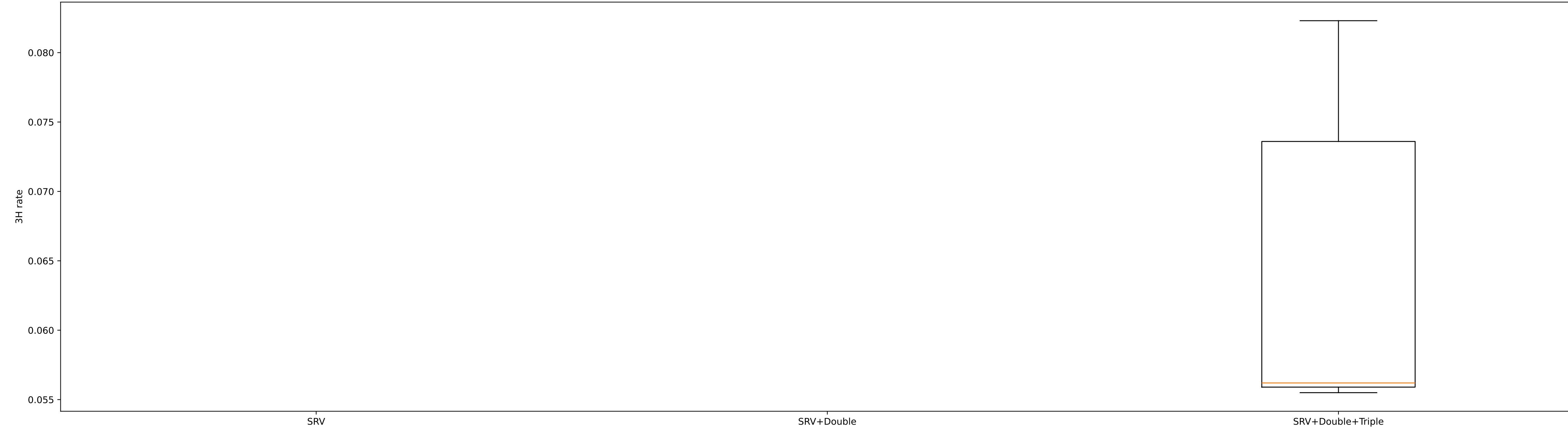
2H rates (reference) by run type



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	0.5973	1.71	0.2351	0.1286
	2	0.5876	1.69	0.2351	0.1286
	3	0.5877	1.68	0.2351	0.1286
	4	0.5877	1.69	0.2351	0.1286
	5	0.5877	1.69	0.2351	0.1286
	6	0.6021	1.73	0.2351	0.1286
	7	0.5937	1.67	0.2351	0.1286
	8	0.5908	1.65	0.2351	0.1286
	9	0.591	1.65	0.2351	0.1286
	10	0.5873	1.71	0.2351	0.1286

## 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	0.5925	1.64	0.2351	0.1286
	2	0.5878	1.68	0.2351	0.1286
	3	0.5877	1.69	0.2351	0.1286
	4	0.6197	1.7	0.2351	0.1286
	5	0.6114	1.72	0.2351	0.1286
	6	0.5887	1.74	0.2351	0.1287
	7	0.6189	1.7	0.2351	0.1286
	8	0.5878	1.69	0.2351	0.1286
	9	0.5876	1.69	0.2351	0.1286
	10	0.5876	1.69	0.2351	0.1286

## 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	0.591	1.63	0.2351	0.1286
	2	0.592	1.63	0.2351	0.1286
	3	0.6817	1.65	0.2351	0.1286
	4	0.645	1.66	0.2351	0.1286
	5	0.5902	1.65	0.2351	0.1286
	6	0.5908	1.64	0.2351	0.1286
	7	0.5922	1.63	0.2351	0.1286
	8	0.5948	1.61	0.2351	0.1286
	9	0.5934	1.63	0.2351	0.1286
	10	0.5902	1.65	0.2351	0.1286

	test	Negative selection	0.012	65.582	SRV+Double
	test	Negative selection	0.348	34.418	SRV+Double
	test	Negative selection	0.075	65.582	SRV+Double
	test	Negative selection	0.537	34.418	SRV+Double
	reference	Diversifying selection	0.0	0.0	SRV+Double
	reference	Negative selection	0.058	60.939	SRV+Double
	reference	Negative selection	0.507	39.061	SRV+Double
	test	Negative selection	1.098	0.0	SRV+Double
	test	Negative selection	0.058	60.939	SRV+Double
	test	Negative selection	0.507	39.061	SRV+Double
	reference	Diversifying selection	1.002	0.0	SRV+Double
	reference	Negative selection	0.044	57.656	SRV+Double
	reference	Negative selection	0.493	42.344	SRV+Double
	test	Diversifying selection	1.004	0.0	SRV+Double
	test	Diversifying selection	1.002	0.0	SRV+Double
	test	Negative selection	0.005	57.656	SRV+Double
	test	Negative selection	0.296	42.344	SRV+Double
	test	Negative selection	0.044	57.656	SRV+Double
	test	Negative selection	0.493	42.344	SRV+Double
	reference	Diversifying selection	1.115	0.0	SRV+Double
	reference	Negative selection	0.029	53.9	SRV+Double
	reference	Negative selection	0.472	46.1	SRV+Double
	test	Diversifying selection	1.115	0.0	SRV+Double
	test	Negative selection	0.029	53.9	SRV+Double
	test	Negative selection	0.472	46.1	SRV+Double
	reference	Diversifying selection	1.002	0.0	SRV+Double
	reference	Negative selection	0.0	47.003	SRV+Double
	reference	Negative selection	0.442	52.997	SRV+Double
	test	Diversifying selection	1.003	0.0	SRV+Double
	test	Diversifying selection	1.002	0.0	SRV+Double
	test	Negative selection	0.0	47.003	SRV+Double
	test	Negative selection	0.241	52.997	SRV+Double
	test	Negative selection	0.0	47.003	SRV+Double
	test	Negative selection	0.442	52.997	SRV+Double
	reference	Diversifying selection	1.162	0.0	SRV+Double
	reference	Negative selection	0.0	46.681	SRV+Double
	reference	Negative selection	0.438	53.319	SRV+Double
	test	Diversifying selection	1.162	0.0	SRV+Double
	test	Negative selection	0.0	46.681	SRV+Double
	test	Negative selection	0.438	53.319	SRV+Double
	reference	Diversifying selection	1.002	0.0	SRV+Double
	reference	Negative selection	0.073	64.947	SRV+Double
	reference	Negative selection	0.533	35.053	SRV+Double
	test	Diversifying selection	1.003	0.0	SRV+Double
	test	Diversifying selection	1.002	0.0	SRV+Double
	test	Negative selection	0.012	64.947	SRV+Double
	test	Negative selection	0.343	35.053	SRV+Double
	test	Negative selection	0.073	64.947	SRV+Double
	test	Negative selection	12.533	35.053	SRV+Double
	reference	Diversifying selection	1.098	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	10.078	SRV	
	2	0.939	78.297	SRV	
	3	2.275	11.625	SRV	
	1	0.0	10.111	SRV	
	2	0.942	78.722	SRV	
	3	2.311	11.167	SRV	
	1	0.0	10.105	SRV	
	2	0.942	78.728	SRV	
	3	2.311	11.167	SRV	
SRV	1	0.0	10.102	SRV	
	2	0.942	78.688	SRV	
	3	2.308	11.21	SRV	
	1	0.0	10.104	SRV	
	2	0.942	78.693	SRV	
	3	2.308	11.204	SRV	
	1	0.0	10.043	SRV	
	2	0.937	78.108	SRV	
	3	2.262	11.849	SRV	
SRV	1	0.0	10.126	SRV	
	2	0.943	78.701	SRV	
	3	2.306	11.173	SRV	
	1	0.0	10.133	SRV	
	2	0.944	78.961	SRV	
	3	2.332	10.906	SRV	
	1	0.0	10.136	SRV	
	2	0.945	78.994	SRV	
	3	2.335	10.87	SRV	
SRV	1	0.0	10.091	SRV	
	2	0.941	78.548	SRV	
	3	2.296	11.36	SRV	

	reference		2H	0.0	SRV+Double+Triple	
	reference		3H	0.0561	SRV+Double+Triple	
	reference		3H	0.056	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	0.0823	SRV+Double+Triple	
	reference		3H	0.0563	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	0.0562	SRV+Double+Triple	
	reference		3H	0.0559	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	0.0818	SRV+Double+Triple	
	reference		3H	0.0662	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	0.0659	SRV+Double+Triple	
	reference		3H	0.0652	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	0.081	SRV+Double+Triple	
	reference		3H	0.0605	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	0.0585	SRV+Double+Triple	
	reference		3H	0.0582	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	0.0818	SRV+Double+Triple	
	reference		3H	0.0557	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	0.0557	SRV+Double+Triple	
	reference		3H	0.0555	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	0.0816	SRV+Double+Triple	
	reference		3H	0.056	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	