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
0.4093	0.4028	0.4578	0.29	0.26	0.47	0.268	0.4179	9	nan	nan
0.4294	0.4091	0.4869	0.33	0.23	0.47	0.268	0.4179	10	0.0	0.0
0.4138	0.4038	0.6838	0.295	0.28	0.51	0.268	0.4179	10	0.0	0.0

K (alternative) by run type

3

RELAX LRT p-values by run type

4

2H rates (reference) by run type

5
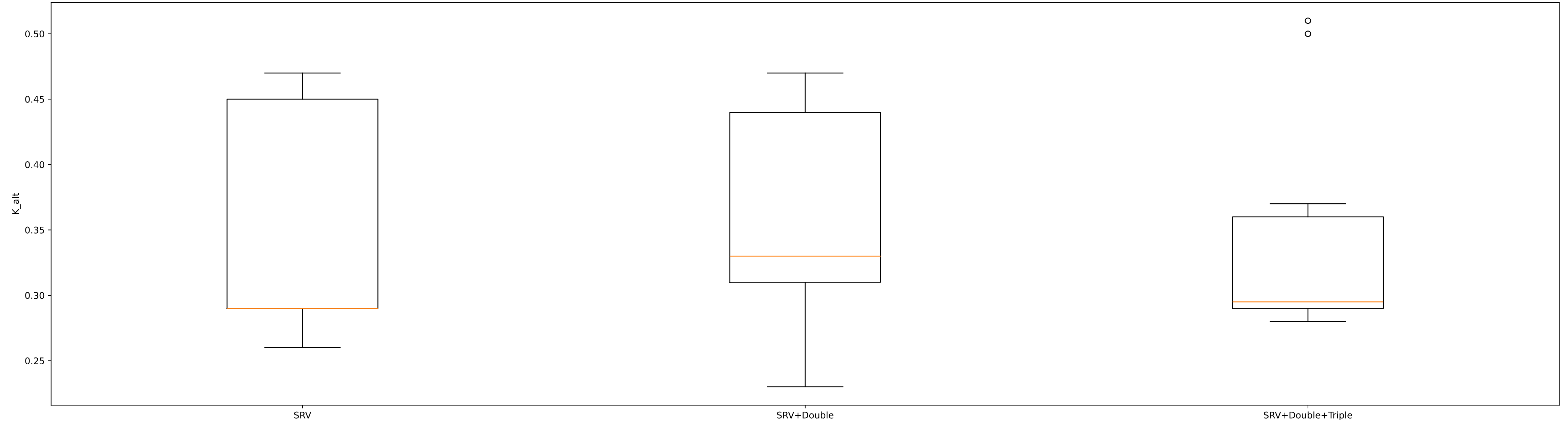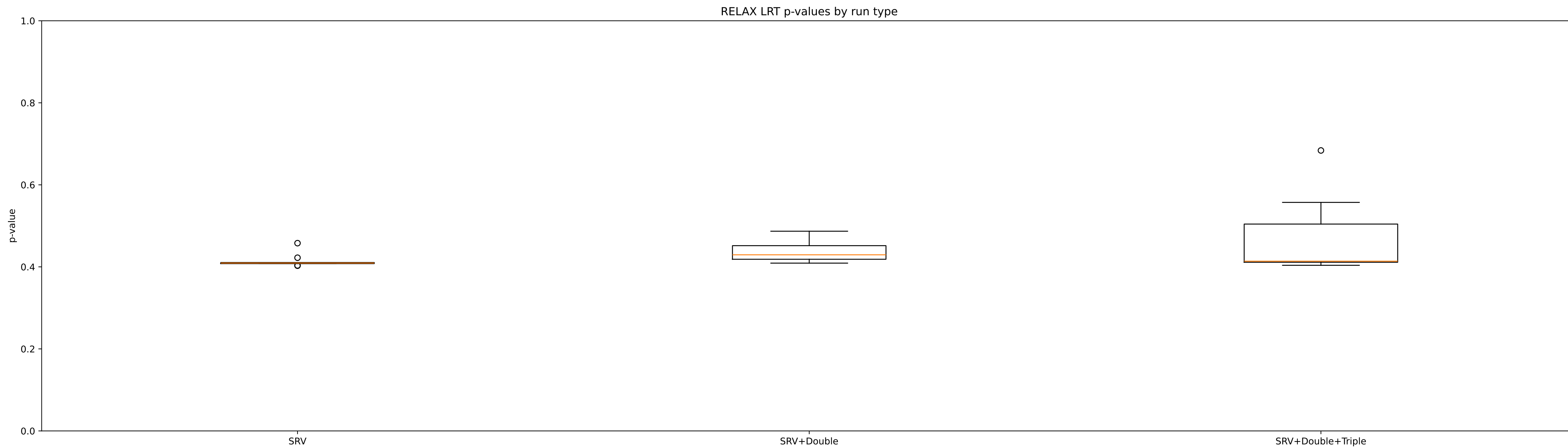
2H rates (test) by run type

3H rates (reference) by run type

SRV   SRV+Double   SRV+Double+Triple
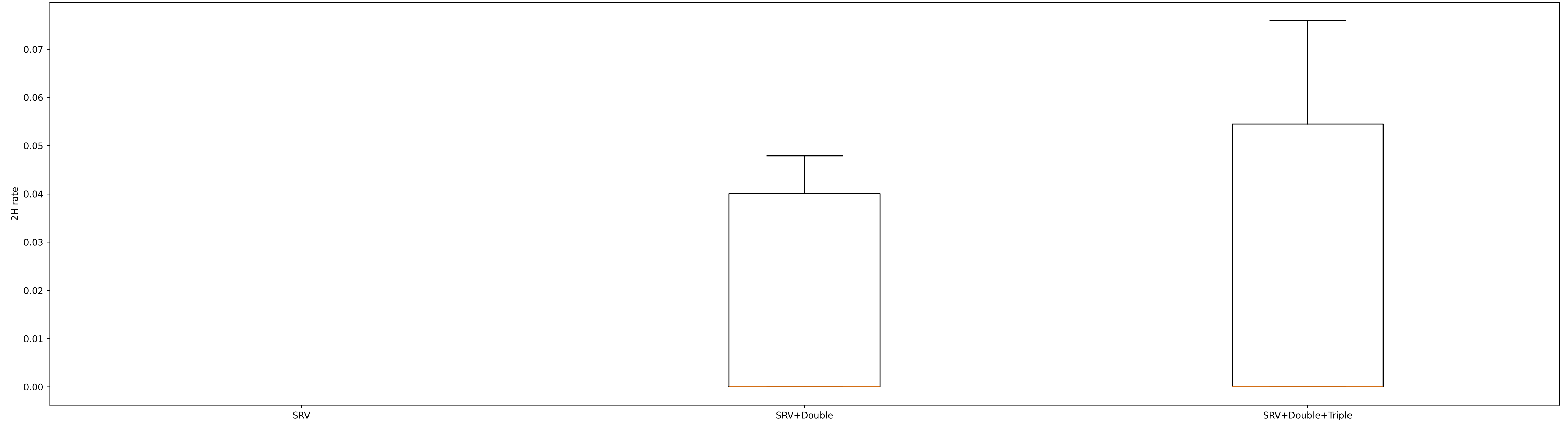
3H rates (test) by run type

replicate		p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1		0.4028	0.47	0.268	0.4179	
2		0.4223	0.45	0.268	0.4179	
3		0.4093	0.28	0.268	0.4179	
4		0.4578	0.26	0.268	0.4179	
5		0.4035	0.47	0.268	0.4179	
6		0.4079	0.29	0.268	0.4179	
7		0.4104	0.29	0.268	0.4179	
8		0.4106	0.29	0.268	0.4179	
9		0.409	0.42	0.268	0.4179	
10		nan	nan	0.268	0.4179	

replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1		0.4204	0.29	0.268	0.4179	
2		0.4339	0.33	0.268	0.4179	
3		0.4091	0.41	0.268	0.4179	
4		0.4179	0.23	0.2673	0.4179	
5		0.4576	0.47	0.268	0.4179	
6		0.4588	0.45	0.268	0.4179	
7		0.4318	0.46	0.268	0.4179	
8		0.427	0.31	0.268	0.4179	
9		0.4105	0.31	0.268	0.4179	
10		0.4869	0.33	0.268	0.4179	

	replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.4097	0.28	0.268	0.4179	
	2		0.411	0.29	0.268	0.4179	
	3		0.4125	0.29	0.268	0.4179	
	4	0.4179	0.523	0.37	0.268	0.4179	
	5		0.4038	0.5	0.268	0.4179	
	6		0.4484	0.33	0.268	0.4179	
	7		0.5572	0.51	0.268	0.4179	
	8	0.4179	0.4152	0.3	0.268	0.4179	
	9	0.4179	0.6838	0.29	0.268	0.4179	
	10		0.412	0.29	0.268	0.4179	

Ω-class distributions (all) (cols 1-7/7)

test	Negative selection	0.692	19.628	SRV+Double		
test	Neutral evolution	1.0	15.012	SRV+Double		
reference	Negative selection	0.001	23.505	SRV+Double		
reference	Negative selection	0.079	52.332	SRV+Double		
reference	Neutral evolution	1.0	24.163	SRV+Double		
test	Negative selection	0.033	23.505	SRV+Double		
test	Negative selection	0.299	52.332	SRV+Double		
test	Negative selection	0.001	23.505	SRV+Double		
test	Negative selection	0.079	52.332	SRV+Double		
test	Neutral evolution	1.0	24.163	SRV+Double		
test	Neutral evolution	1.0	24.163	SRV+Double		
reference	Negative selection	0.0	25.29	SRV+Double		
reference	Negative selection	0.07	49.387	SRV+Double		
reference	Neutral evolution	1.0	25.323	SRV+Double		
test	Negative selection	0.0	25.29	SRV+Double		
test	Negative selection	0.07	49.387	SRV+Double		
test	Neutral evolution	1.0	25.323	SRV+Double		
reference	Negative selection	0.001	31.419	SRV+Double		
reference	Negative selection	0.094	44.506	SRV+Double		
reference	Neutral evolution	1.0	24.075	SRV+Double		
test	Negative selection	0.039	31.419	SRV+Double		
test	Negative selection	0.344	44.506	SRV+Double		
test	Negative selection	0.001	31.419	SRV+Double		
test	Negative selection	0.094	44.506	SRV+Double		
test	Neutral evolution	1.0	24.075	SRV+Double		
test	Neutral evolution	1.0	24.075	SRV+Double		
reference	Negative selection	0.0	33.157	SRV+Double		
reference	Negative selection	0.089	41.882	SRV+Double		
reference	Neutral evolution	1.0	24.961	SRV+Double		
test	Negative selection	0.0	33.157	SRV+Double		
test	Negative selection	0.089	41.882	SRV+Double		
test	Neutral evolution	1.0	24.961	SRV+Double		
reference	Negative selection	0.0	21.379	SRV+Double		
reference	Negative selection	0.066	53.713	SRV+Double		
reference	Neutral evolution	1.0	24.909	SRV+Double		
test	Negative selection	0.028	21.379	SRV+Double		
test	Negative selection	0.284	53.713	SRV+Double		
test	Negative selection	0.0	21.379	SRV+Double		
test	Negative selection	0.066	53.713	SRV+Double		
test	Neutral evolution	1.0	24.909	SRV+Double		
test	Neutral evolution	1.0	24.909	SRV+Double		
reference	Negative selection	0.0	23.457	SRV+Double		
reference	Negative selection	0.048	49.959	SRV+Double		
reference	Neutral evolution	1.0	26.584	SRV+Double		
test	Negative selection	0.0	23.457	SRV+Double		
test	Negative selection	0.048	49.959	SRV+Double		
test	Neutral evolution	1.0	26.584	SRV+Double		
reference	Diversifying selection	1.129	18.328	SRV+Double		
reference	Negative selection	0.0	58.588	SRV+Double		

class_id	syn_rate	proportion_percent	run_type
1	0.758	4.623	SRV
2	0.773	86.26	SRV
3	3.275	9.117	SRV
1	0.75	88.659	SRV
2	2.69	10.899	SRV
3	9.481	0.441	SRV
1	0.0	3.114	SRV
2	0.827	89.867	SRV
3	3.66	7.019	SRV
1	0.738	87.893	SRV
2	2.591	11.709	SRV
3	12.068	0.399	SRV
1	0.772	90.878	SRV
2	2.712	0.651	SRV
3	3.316	8.472	SRV
1	0.0	3.087	SRV
2	0.826	89.864	SRV
3	3.652	7.049	SRV
1	0.0	3.074	SRV
2	0.826	89.87	SRV
3	3.653	7.056	SRV
1	0.512	21.023	SRV
2	0.881	71.687	SRV
3	3.58	7.29	SRV
1	0.767	86.922	SRV
2	0.896	3.984	SRV
3	3.277	9.094	SRV

Multihit (2H/3H) rates (all) (cols 1-6/6)

reference	2H	0.0415	SRV+Double		
reference	2H	0.0	SRV+Double		
test	2H	0.0	SRV+Double		
reference	2H	0.0	SRV+Double		
test	2H	0.0	SRV+Double		
reference	2H	0.0557	SRV+Double+Triple		
reference	2H	0.0	SRV+Double+Triple		
reference	3H	0.0	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		
test	2H	0.0	SRV+Double+Triple		
test	3H	0.0	SRV+Double+Triple		
reference	2H	0.0563	SRV+Double+Triple		
reference	2H	0.0	SRV+Double+Triple		
reference	3H	0.0	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		
test	2H	0.0	SRV+Double+Triple		
test	3H	0.0	SRV+Double+Triple		
reference	2H	0.0517	SRV+Double+Triple		
reference	2H	0.0	SRV+Double+Triple		
reference	3H	0.0	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		
test	2H	0.0	SRV+Double+Triple		
test	3H	0.0	SRV+Double+Triple		
reference	2H	0.0539	SRV+Double+Triple		
reference	2H	0.0	SRV+Double+Triple		
reference	3H	0.0	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		
test	2H	0.0	SRV+Double+Triple		
test	3H	0.0	SRV+Double+Triple		
reference	2H	0.0759	SRV+Double+Triple		
reference	2H	0.0	SRV+Double+Triple		
reference	3H	0.0	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		
test	2H	0.0	SRV+Double+Triple		
test	3H	0.0	SRV+Double+Triple		