RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple
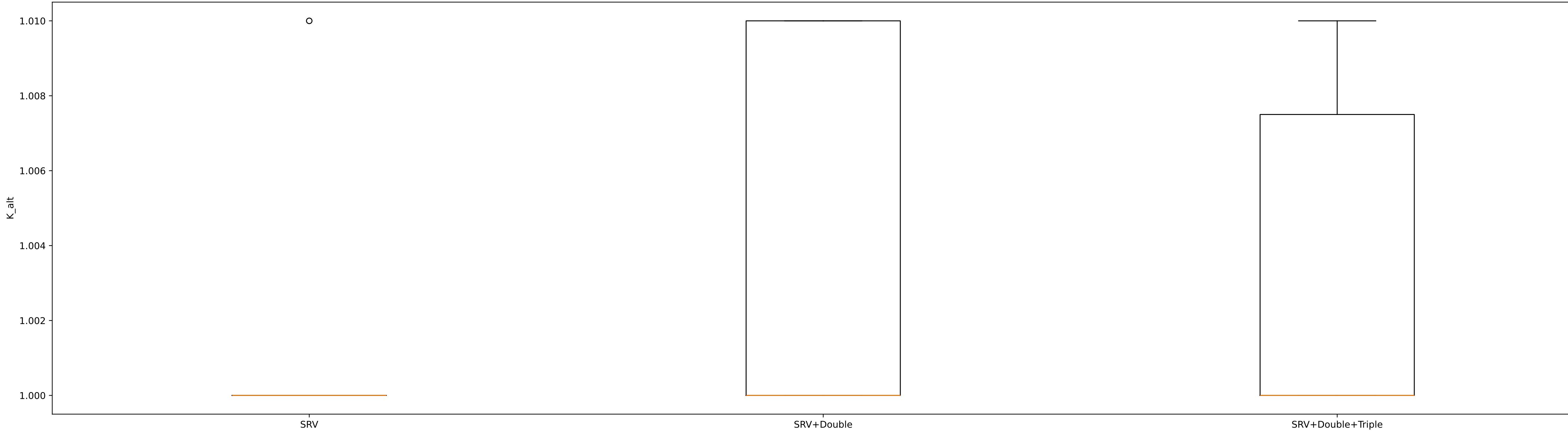
Includes:

- Run-type summary

- Boxplots: K, p-values, 2H/3H

- Full omega/SRV/multihit tables (column-paged)
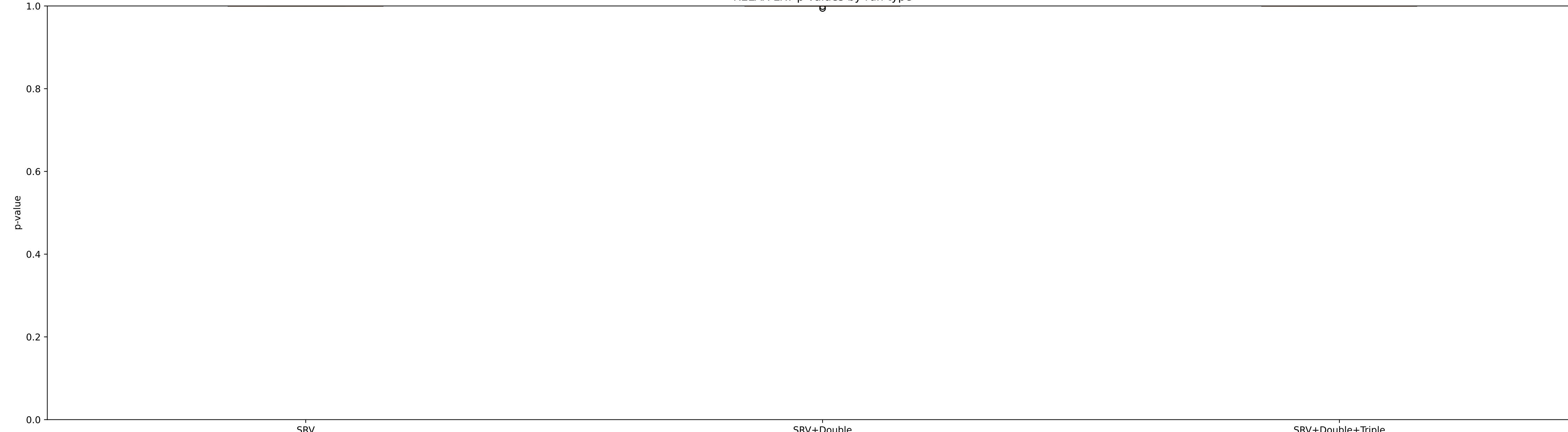
Run-type summary statistics

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
1.0	1.0	1.0	1.0	1.0	1.01	0.2253	0.2142	10	nan	nan
1.0	0.9939	1.0	1.0	1.0	1.01	0.2253	0.2142	10	0.0	0.0
1.0	1.0	1.0	1.0	1.0	1.01	0.2253	0.2142	10	0.0	0.0

K (alternative) by run type

RELAX LRT p-values by run type

p-value

1.0

0.8

0.6

0.4

0.2

0.0

SRV   SRV+Double   SRV+Double+Triple

4

2H rates (reference) by run type
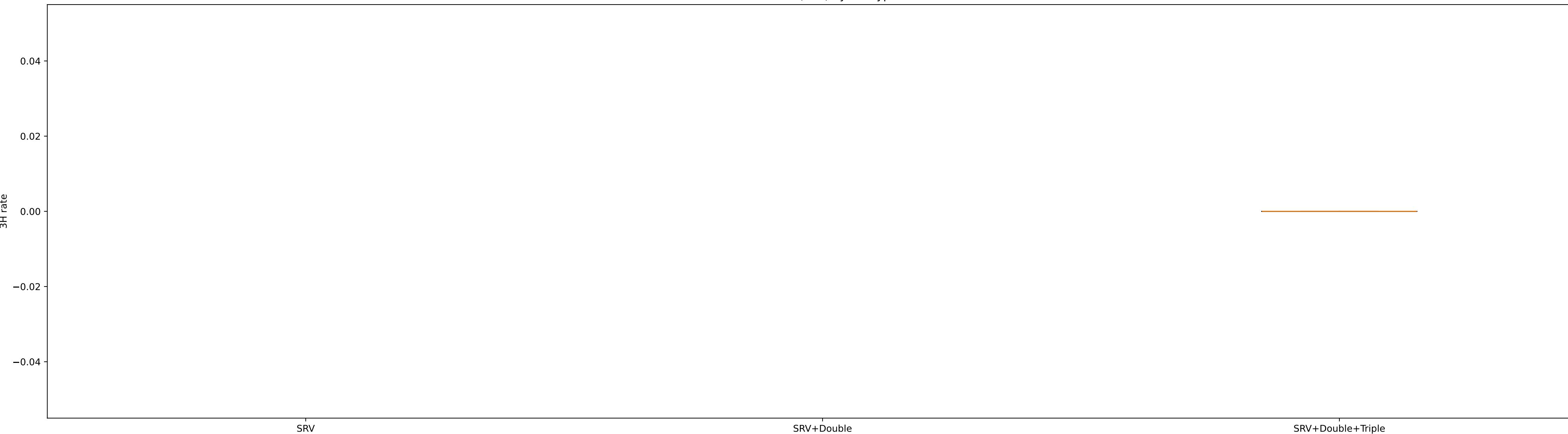
2H rates (test) by run type

3H rates (reference) by run type

3H rate

SRV   SRV+Double   SRV+Double+Triple

3H rates (test) by run type

SRV   SRV+Double   SRV+Double+Triple

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	1.0	1.0	0.2253	0.2142	
	2	1.0	1.0	0.2253	0.2142	
	3	1.0	1.0	0.2253	0.2142	
	4	1.0	1.01	0.2253	0.2142	
	5	1.0	1.0	0.2253	0.2142	
	6	1.0	1.0	0.2253	0.2142	
	7	1.0	1.0	0.2253	0.2142	
	8	1.0	1.0	0.2253	0.2142	
	9	1.0	1.0	0.2253	0.2142	
	10	1.0	1.0	0.2253	0.2142	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	1.0	1.01	0.2253	0.2142	
2	1.0	1.0	0.2253	0.2142	
3	1.0	1.01	0.2253	0.2142	
4	1.0	1.0	0.2253	0.2142	
5	1.0	1.0	0.2253	0.2142	
6	1.0	1.0	0.2253	0.2142	
7	0.9939	1.01	0.2253	0.2142	
8	1.0	1.0	0.2253	0.2142	
9	1.0	1.0	0.2253	0.2142	
10	0.9985	1.01	0.2253	0.2142	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	1.0	1.0	0.2253	0.2142	
2	1.0	1.01	0.2253	0.2142	
3	1.0	1.0	0.2253	0.2142	
4	1.0	1.0	0.2253	0.2142	
5	1.0	1.01	0.2253	0.2142	
6	1.0	1.01	0.2253	0.2142	
7	1.0	1.0	0.2253	0.2142	
8	1.0	1.0	0.2253	0.2142	
9	1.0	1.0	0.2253	0.2142	
10	1.0	1.0	0.2253	0.2142	

test	Negative selection	0.096	47.779	SRV+Double
test	Negative selection	0.319	52.221	SRV+Double
test	Negative selection	0.097	47.779	SRV+Double
test	Negative selection	0.321	52.221	SRV+Double
reference	Diversifying selection	0.005	0.0	SRV+Double
reference	Negative selection	0.098	47.305	SRV+Double
reference	Negative selection	0.317	52.695	SRV+Double
test	Diversifying selection	6.557	0.0	SRV+Double
test	Negative selection	0.098	47.305	SRV+Double
test	Negative selection	0.317	52.695	SRV+Double
reference	Diversifying selection	1.005	0.0	SRV+Double
reference	Negative selection	0.103	50.037	SRV+Double
reference	Negative selection	0.324	49.963	SRV+Double
test	Diversifying selection	1.005	0.0	SRV+Double
test	Diversifying selection	1.005	0.0	SRV+Double
test	Negative selection	0.102	50.037	SRV+Double
test	Negative selection	0.323	49.963	SRV+Double
test	Negative selection	0.103	50.037	SRV+Double
test	Negative selection	0.324	49.963	SRV+Double
reference	Diversifying selection	6.525	0.0	SRV+Double
reference	Negative selection	0.104	49.887	SRV+Double
reference	Negative selection	0.323	50.113	SRV+Double
test	Diversifying selection	6.525	0.0	SRV+Double
test	Negative selection	0.104	49.887	SRV+Double
test	Negative selection	0.323	50.113	SRV+Double
reference	Diversifying selection	1.616	0.733	SRV+Double
reference	Negative selection	0.102	24.315	SRV+Double
reference	Negative selection	0.236	74.953	SRV+Double
test	Diversifying selection	1.615	0.733	SRV+Double
test	Diversifying selection	1.616	0.733	SRV+Double
test	Negative selection	0.102	24.315	SRV+Double
test	Negative selection	0.237	74.953	SRV+Double
test	Negative selection	0.102	24.315	SRV+Double
test	Negative selection	0.236	74.953	SRV+Double
reference	Diversifying selection	1.64	0.725	SRV+Double
reference	Negative selection	0.103	24.199	SRV+Double
reference	Negative selection	0.235	75.076	SRV+Double
test	Diversifying selection	1.64	0.725	SRV+Double
test	Negative selection	0.103	24.199	SRV+Double
test	Negative selection	0.235	75.076	SRV+Double
reference	Diversifying selection	1.922	0.057	SRV+Double
reference	Negative selection	0.091	41.669	SRV+Double
reference	Negative selection	0.3	58.273	SRV+Double
test	Diversifying selection	1.929	0.057	SRV+Double
test	Diversifying selection	1.922	0.057	SRV+Double
test	Negative selection	0.089	41.669	SRV+Double
test	Negative selection	0.297	58.273	SRV+Double
test	Negative selection	0.091	41.669	SRV+Double
test	Negative selection	0.3	58.273	SRV+Double
reference	Diversifying selection	1.912	0.064	SRV+Double

class_id	syn_rate	proportion_percent	run_type
1	0.0	19.919	SRV
2	1.0	74.955	SRV
3	4.88	5.126	SRV
1	0.0	19.813	SRV
2	0.998	75.049	SRV
3	4.884	5.139	SRV
1	0.085	25.014	SRV
2	1.044	69.731	SRV
3	4.764	5.256	SRV
1	0.0	19.34	SRV
2	0.982	75.061	SRV
3	4.697	5.598	SRV
1	0.0	19.656	SRV
2	0.991	74.957	SRV
3	4.774	5.386	SRV
1	0.0	19.649	SRV
2	0.992	75.056	SRV
3	4.819	5.295	SRV
1	0.0	19.62	SRV
2	0.992	75.061	SRV
3	4.807	5.319	SRV
1	0.0	19.78	SRV
2	0.997	75.044	SRV
3	4.864	5.176	SRV
1	0.0	19.918	SRV
2	1.001	74.984	SRV
3	4.895	5.099	SRV
1	0.0	19.643	SRV
2	0.993	75.094	SRV
3	4.835	5.263	SRV

test	2H	0.0	SRV+Double
reference	2H	0.0	SRV+Double
test	2H	0.0	SRV+Double
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	0.0	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	0.0	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	0.0	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	0.0	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	0.0096	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