RELAX Combined Report

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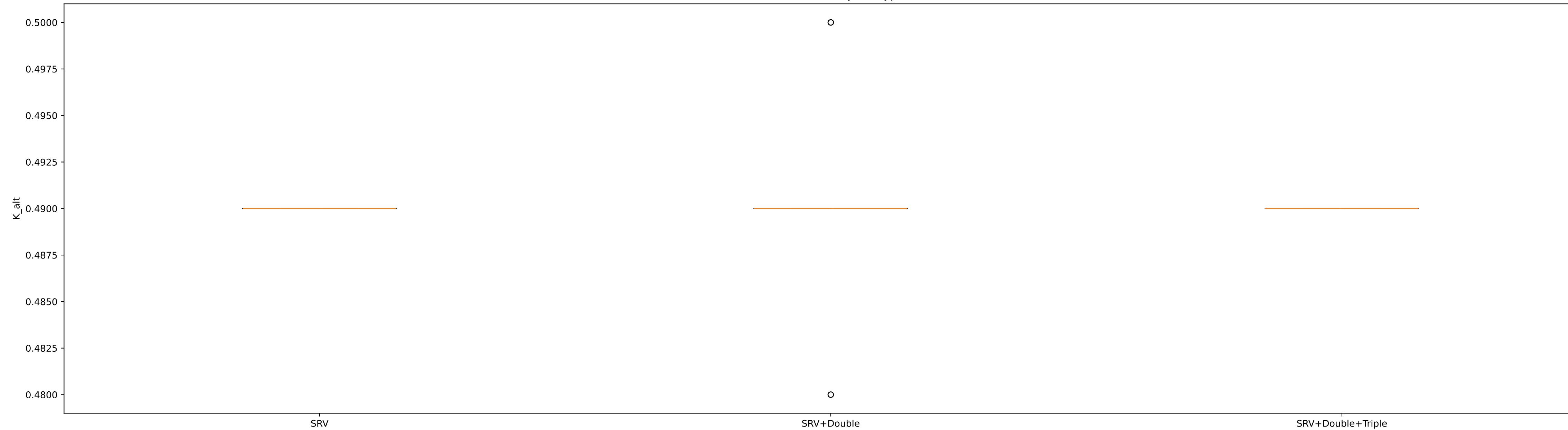
Includes:

- Run-type summary

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

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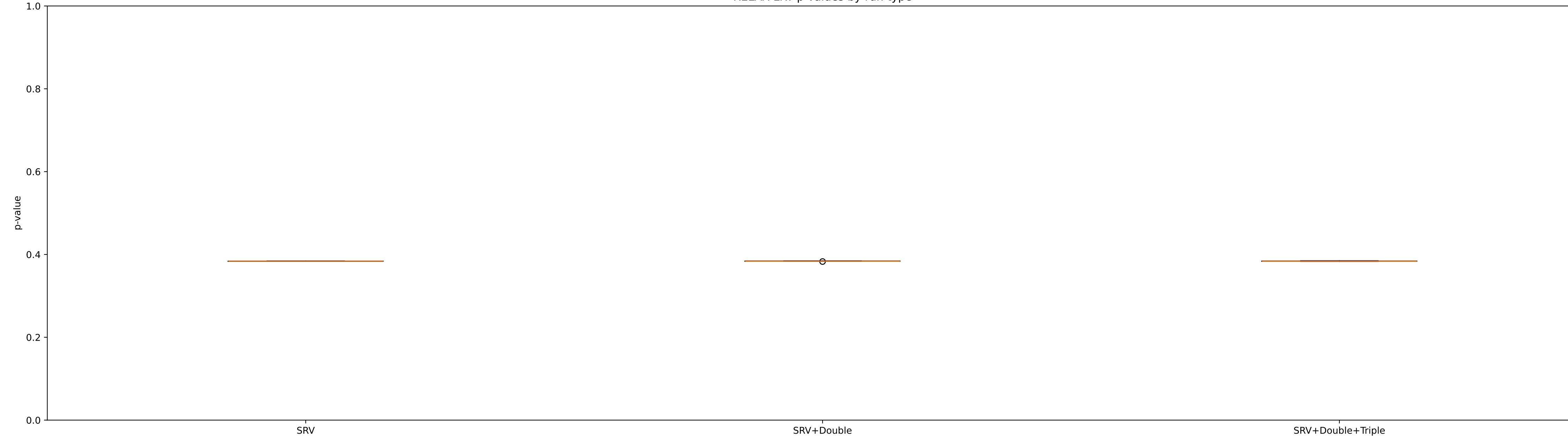
Run-type summary statistics

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
0.3839	0.3834	0.3843	0.49	0.49	0.49	0.2455	0.489	10	nan	nan
0.3838	0.3829	0.3846	0.49	0.48	0.5	0.2455	0.489	10	0.0	0.0
0.3838	0.3832	0.3848	0.49	0.49	0.49	0.2455	0.489	10	0.0	0.0

K (alternative) by run type

RELAX LRT p-values by run type

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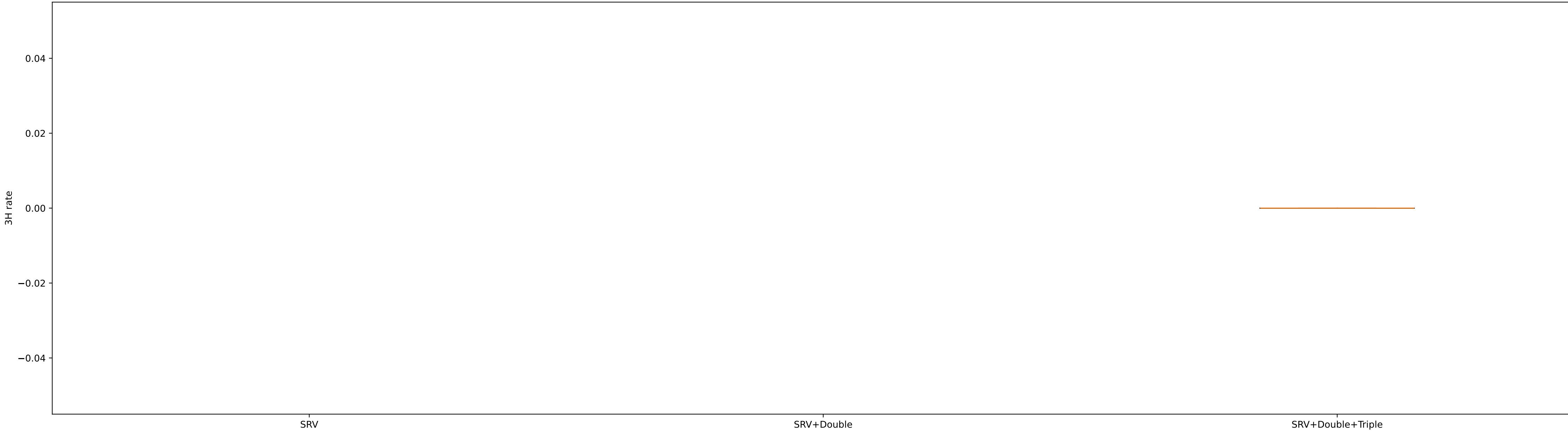
2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

	replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.3836	0.49	0.2455	0.489	
	2		0.3837	0.49	0.2455	0.489	
	3		0.3834	0.49	0.2455	0.489	
	4		0.3842	0.49	0.2455	0.489	
	5		0.3838	0.49	0.2455	0.489	
	6		0.3835	0.49	0.2455	0.489	
	7		0.3843	0.49	0.2455	0.489	
	8		0.384	0.49	0.2455	0.489	
	9		0.3839	0.49	0.2455	0.489	
	10		0.3839	0.49	0.2455	0.489	

	replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.3842	0.49	0.2455	0.489	
	2		0.3846	0.5	0.2455	0.489	
	3		0.3837	0.48	0.2455	0.489	
	4		0.3838	0.49	0.2455	0.489	
	5		0.3837	0.49	0.2455	0.489	
	6		0.3841	0.49	0.2455	0.489	
	7		0.3829	0.49	0.2455	0.489	
	8		0.3838	0.49	0.2455	0.489	
	9		0.3838	0.49	0.2455	0.489	
	10		0.3846	0.49	0.2455	0.489	

	replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.3837	0.49	0.2455	0.489	
	2		0.3836	0.49	0.2455	0.489	
	3		0.3834	0.49	0.2455	0.489	
	4		0.3841	0.49	0.2455	0.489	
	5		0.3846	0.49	0.2455	0.489	
	6		0.3848	0.49	0.2455	0.489	
	7		0.3838	0.49	0.2455	0.489	
	8		0.3832	0.49	0.2455	0.489	
	9		0.3837	0.49	0.2455	0.489	
	10		0.3842	0.49	0.2455	0.489	

test	Negative selection	0.084	0.0	SRV+Double
test	Negative selection	0.511	100.0	SRV+Double
test	Negative selection	0.007	0.0	SRV+Double
test	Negative selection	0.255	100.0	SRV+Double
reference	Diversifying selection	0.1	0.0	SRV+Double
reference	Negative selection	0.004	0.0	SRV+Double
reference	Negative selection	0.292	100.0	SRV+Double
test	Diversifying selection	1.614	0.0	SRV+Double
test	Negative selection	0.004	0.0	SRV+Double
test	Negative selection	0.292	100.0	SRV+Double
reference	Diversifying selection	7.262	0.0	SRV+Double
reference	Negative selection	0.002	0.0	SRV+Double
reference	Negative selection	0.256	100.0	SRV+Double
test	Diversifying selection	2.657	0.0	SRV+Double
test	Diversifying selection	7.262	0.0	SRV+Double
test	Negative selection	0.049	0.0	SRV+Double
test	Negative selection	0.51	100.0	SRV+Double
test	Negative selection	0.002	0.0	SRV+Double
test	Negative selection	0.256	100.0	SRV+Double
reference	Diversifying selection	1.746	0.0	SRV+Double
reference	Negative selection	0.0	0.0	SRV+Double
reference	Negative selection	0.292	100.0	SRV+Double
test	Diversifying selection	1.746	0.0	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.292	100.0	SRV+Double
reference	Diversifying selection	7.313	0.0	SRV+Double
reference	Negative selection	0.004	0.0	SRV+Double
reference	Negative selection	0.256	100.0	SRV+Double
test	Diversifying selection	2.675	0.0	SRV+Double
test	Diversifying selection	7.313	0.0	SRV+Double
test	Negative selection	0.066	0.0	SRV+Double
test	Negative selection	0.51	100.0	SRV+Double
test	Negative selection	0.004	0.0	SRV+Double
test	Negative selection	0.256	100.0	SRV+Double
reference	Diversifying selection	1.708	0.0	SRV+Double
reference	Negative selection	0.002	0.0	SRV+Double
reference	Negative selection	0.291	100.0	SRV+Double
test	Diversifying selection	1.708	0.0	SRV+Double
test	Negative selection	0.002	0.0	SRV+Double
test	Negative selection	0.291	100.0	SRV+Double
reference	Diversifying selection	4.663	0.0	SRV+Double
reference	Negative selection	0.241	82.718	SRV+Double
reference	Negative selection	0.327	17.282	SRV+Double
test	Diversifying selection	2.119	0.0	SRV+Double
test	Diversifying selection	4.663	0.0	SRV+Double
test	Negative selection	0.499	82.718	SRV+Double
test	Negative selection	0.58	17.282	SRV+Double
test	Negative selection	0.241	82.718	SRV+Double
test	Negative selection	0.327	17.282	SRV+Double
reference	Diversifying selection	1.358	0.0	SRV+Double

	class_id	syn_rate	proportion_percent	run_type	
	1	0.048	59.193	SRV	
	2	0.197	30.749	SRV	
	3	9.055	10.058	SRV	
	1	0.061	59.717	SRV	
	2	0.152	30.063	SRV	
	3	8.98	10.22	SRV	
	1	0.071	59.165	SRV	
	2	0.128	30.585	SRV	
	3	8.968	10.251	SRV	
	1	0.034	58.154	SRV	
	2	0.222	31.803	SRV	
	3	9.058	10.043	SRV	
	1	0.036	59.902	SRV	
	2	0.226	30.052	SRV	
	3	9.065	10.046	SRV	
	1	0.06	59.348	SRV	
	2	0.16	30.482	SRV	
	3	9.004	10.17	SRV	
	1	0.064	57.576	SRV	
	2	0.147	32.263	SRV	
	3	9.011	10.161	SRV	
	1	0.0	56.368	SRV	
	2	0.296	33.788	SRV	
	3	9.143	9.844	SRV	
	1	0.039	56.848	SRV	
	2	0.208	33.131	SRV	
	3	9.071	10.022	SRV	
	1	0.061	60.632	SRV	
	2	0.148	29.087	SRV	
	3	8.951	10.281	SRV	

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

test	2H	0.0	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	0.0	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	0.0	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