RELAX Combined Report

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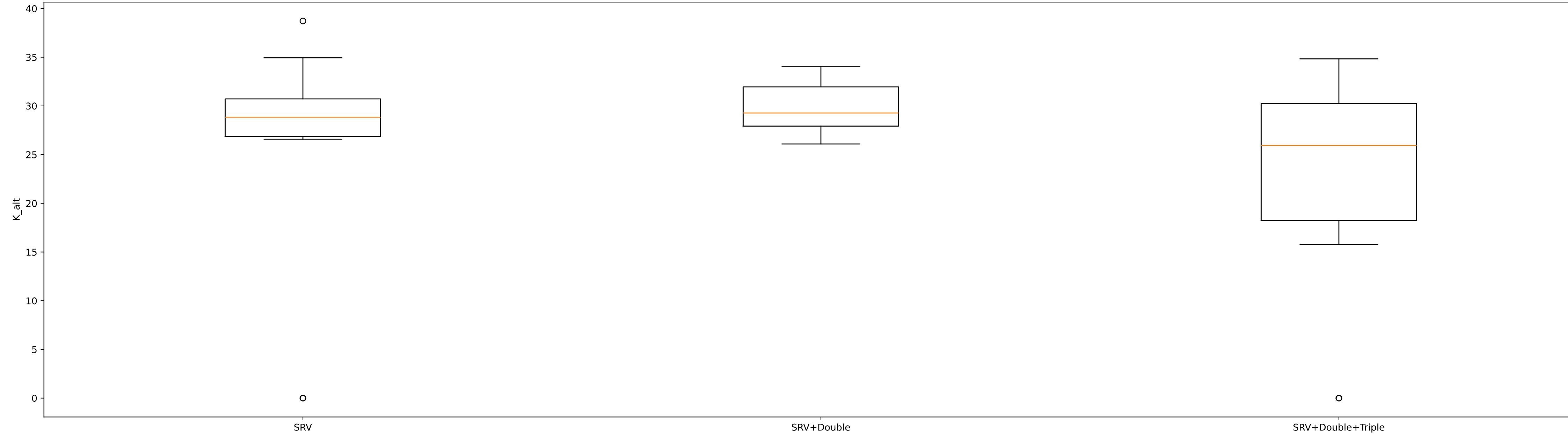
Includes:

- Run-type summary

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

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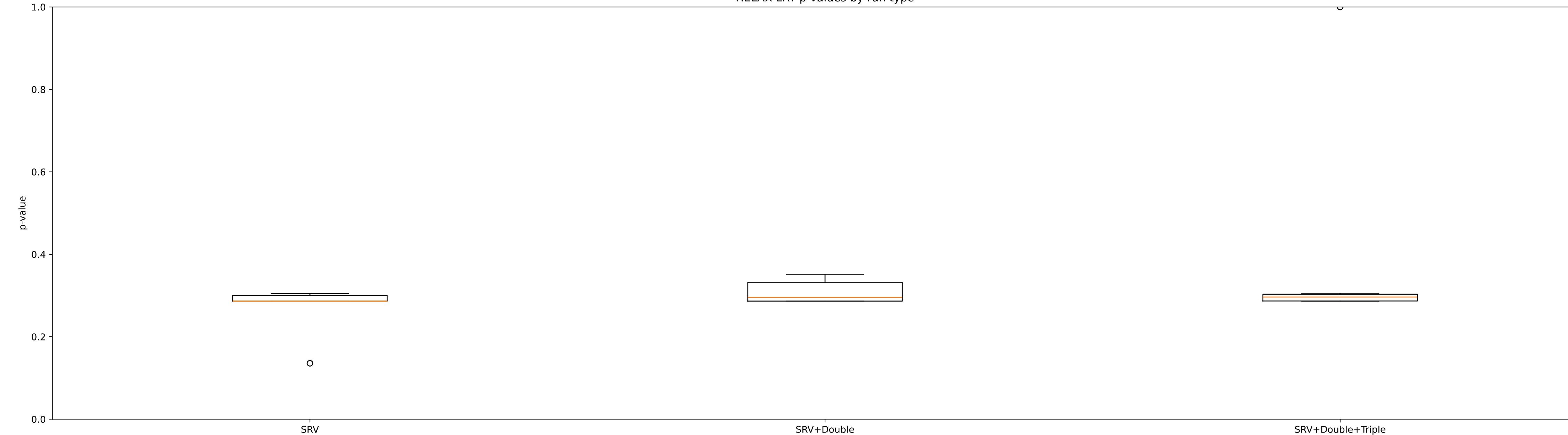
Run-type summary statistics

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
0.2865	0.1356	0.3045	28.84	0.0	38.72	0.3243	0.0	10	nan	nan
0.2955	0.2865	0.3516	29.275	26.09	34.03	0.3243	0.0	10	0.0	0.0
0.2963	0.2865	1.0	25.94	0.0	34.83	0.3243	0.0	10	0.0	0.0

K (alternative) by run type

RELAX LRT p-values by run type

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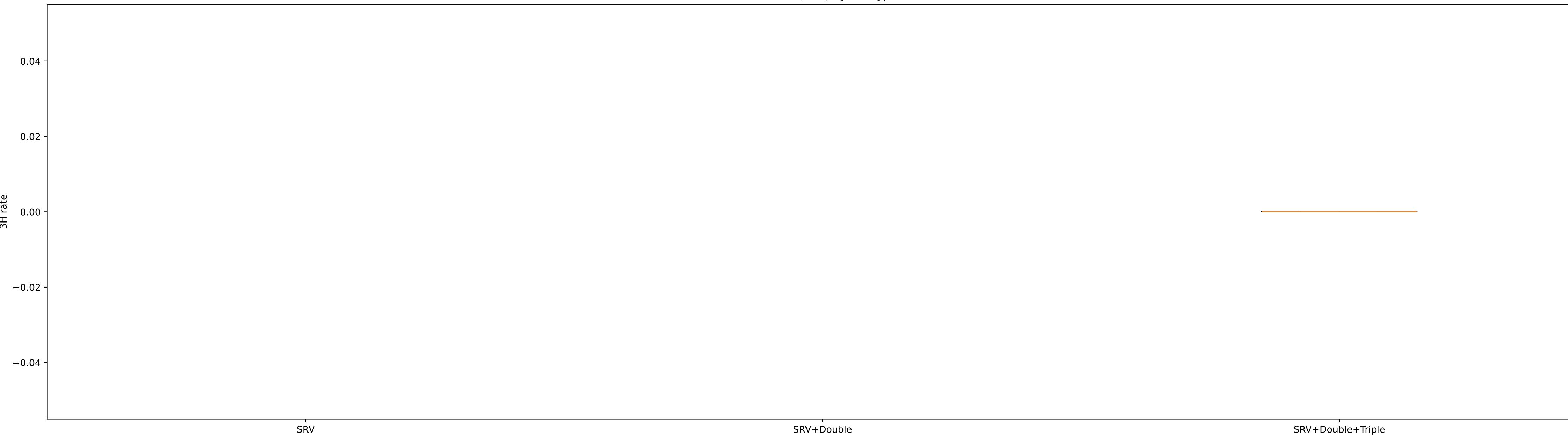
2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

	replicate	global_dNdS_reference	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.2865	28.67	0.3243	0.0	
	2		0.3017	34.94	0.3243	0.0	
	3		0.2865	26.58	0.3243	0.0	
	4		0.2865	38.72	0.3243	0.0	
	5		0.3016	29.07	0.3243	0.0	
	6		0.2965	0.0	0.3243	0.0	
	7		0.2865	31.27	0.3243	0.0	
	8		0.1356	0.0	0.3243	0.0	
	9		0.2865	29.01	0.3243	0.0	
	10		0.3045	27.73	0.3243	0.0	

	replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.3349	33.73	0.3243	0.0	
	2		0.3336	32.5	0.3243	0.0	
	3		0.2865	26.58	0.3243	0.0	
	4		0.2868	29.53	0.3243	0.0	
	5		0.2865	34.03	0.3243	0.0	
	6		0.3278	27.57	0.3243	0.0	
	7		0.3042	30.3	0.3243	0.0	
	8		0.2865	29.0	0.3243	0.0	
	9		0.2865	26.09	0.3243	0.0	
	10		0.3516	29.02	0.3243	0.0	

	replicate	global_dNdS_reference	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.3031	26.64	0.3243	0.0	
	2		0.2865	25.9	0.3243	0.0	
	3		0.287	34.69	0.3243	0.0	
	4		0.2868	31.44	0.3243	0.0	
	5		0.2865	25.98	0.3243	0.0	
	6		0.2967	0.0	0.3243	0.0	
	7		0.3042	34.83	0.3243	0.0	
	8		0.2963	0.0	0.3243	0.0	
	9		1.0	15.78	0.3243	0.0	
	10		nan	25.6	0.3243	0.0	

reference	Negative selection	0.338	80.915	SRV+Double
test	Diversifying selection	1.213	0.0	SRV+Double
test	Diversifying selection	1.007	0.0	SRV+Double
test	Negative selection	0.0	19.085	SRV+Double
test	Negative selection	0.0	80.915	SRV+Double
test	Negative selection	0.235	19.085	SRV+Double
test	Negative selection	0.338	80.915	SRV+Double
reference	Diversifying selection	1.158	0.0	SRV+Double
reference	Negative selection	0.27	32.028	SRV+Double
reference	Negative selection	0.33	67.972	SRV+Double
test	Diversifying selection	1.158	0.0	SRV+Double
test	Negative selection	0.27	32.028	SRV+Double
test	Negative selection	0.33	67.972	SRV+Double
reference	Diversifying selection	1.006	0.0	SRV+Double
reference	Negative selection	0.262	0.0	SRV+Double
reference	Negative selection	0.317	100.0	SRV+Double
test	Diversifying selection	1.236	0.0	SRV+Double
test	Diversifying selection	1.006	0.0	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.0	100.0	SRV+Double
test	Negative selection	0.262	0.0	SRV+Double
test	Negative selection	0.317	100.0	SRV+Double
reference	Diversifying selection	1.168	0.0	SRV+Double
reference	Negative selection	0.241	0.0	SRV+Double
reference	Negative selection	0.31	100.0	SRV+Double
test	Diversifying selection	1.168	0.0	SRV+Double
test	Negative selection	0.241	0.0	SRV+Double
test	Negative selection	0.31	100.0	SRV+Double
reference	Diversifying selection	1.004	0.0	SRV+Double
reference	Negative selection	0.006	0.0	SRV+Double
reference	Negative selection	0.317	100.0	SRV+Double
test	Diversifying selection	1.121	0.0	SRV+Double
test	Diversifying selection	1.004	0.0	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.0	100.0	SRV+Double
test	Negative selection	0.006	0.0	SRV+Double
test	Negative selection	0.317	100.0	SRV+Double
reference	Diversifying selection	1.169	0.0	SRV+Double
reference	Negative selection	0.006	0.0	SRV+Double
reference	Negative selection	0.31	100.0	SRV+Double
test	Diversifying selection	1.169	0.0	SRV+Double
test	Negative selection	0.006	0.0	SRV+Double
test	Negative selection	0.31	100.0	SRV+Double
reference	Diversifying selection	1.016	0.0	SRV+Double
reference	Negative selection	0.271	29.972	SRV+Double
reference	Negative selection	0.337	70.028	SRV+Double
test	Diversifying selection	1.631	0.0	SRV+Double
test	Diversifying selection	1.016	0.0	SRV+Double
test	Negative selection	0.0	29.972	SRV+Double
test	Negative selection	0.0	70.028	SRV+Double

	class_id	syn_rate	proportion_percent	run_type	
	1	0.218	0.0	SRV	
	2	0.588	93.103	SRV	
	3	6.559	6.897	SRV	
	1	0.0	0.0	SRV	
	2	0.237	78.78	SRV	
	3	3.833	21.22	SRV	
	1	0.22	0.0	SRV	
	2	0.588	93.109	SRV	
	3	6.562	6.891	SRV	
	1	0.232	0.0	SRV	
	2	0.588	93.109	SRV	
	3	6.562	6.891	SRV	
	1	0.005	0.0	SRV	
	2	0.207	77.285	SRV	
	3	3.698	22.715	SRV	
	1	0.773	99.406	SRV	
	2	2.119	0.0	SRV	
	3	39.026	0.594	SRV	
	1	0.16	0.0	SRV	
	2	0.588	93.101	SRV	
	3	6.558	6.899	SRV	
	1	0.001	91.817	SRV	
	2	0.001	0.0	SRV	
	3	12.215	8.183	SRV	
	1	0.07	0.0	SRV	
	2	0.588	93.105	SRV	
	3	6.561	6.895	SRV	
	1	0.0	0.0	SRV	
	2	0.271	80.466	SRV	
	3	4.005	19.534	SRV	

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

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
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
reference	3H	0.0	SRV+Double+Triple