RELAX Combined Report
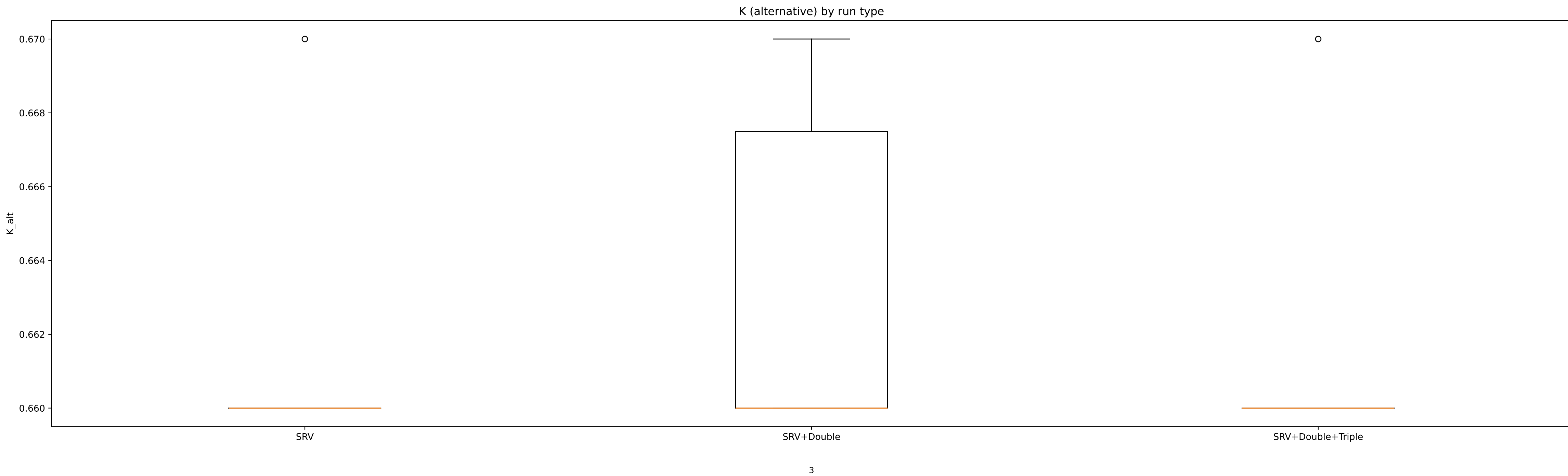
SRV vs SRV+Double vs SRV+Double+Triple

Includes:
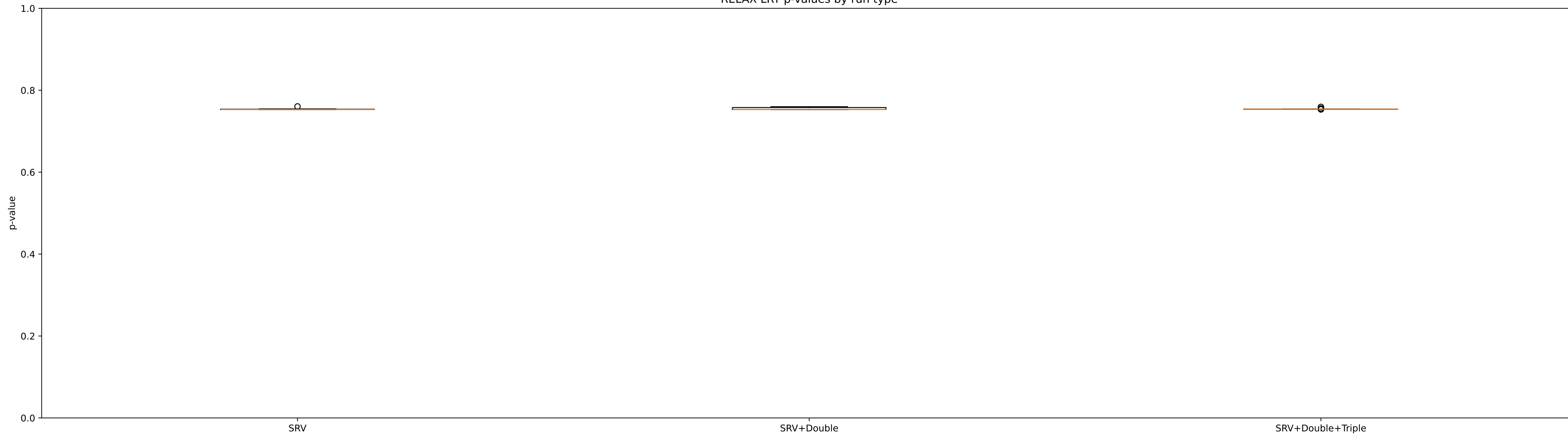
- Run-type summary

- 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
0.7533	0.753	0.7604	0.66	0.66	0.67	0.2684	0.4172	10	nan	nan
0.7532	0.7529	0.7598	0.66	0.66	0.67	0.2684	0.4172	10	0.0	0.0
0.7538	0.7532	0.7593	0.66	0.66	0.67	0.2684	0.4172	10	0.0	0.0

K (alternative) by run type

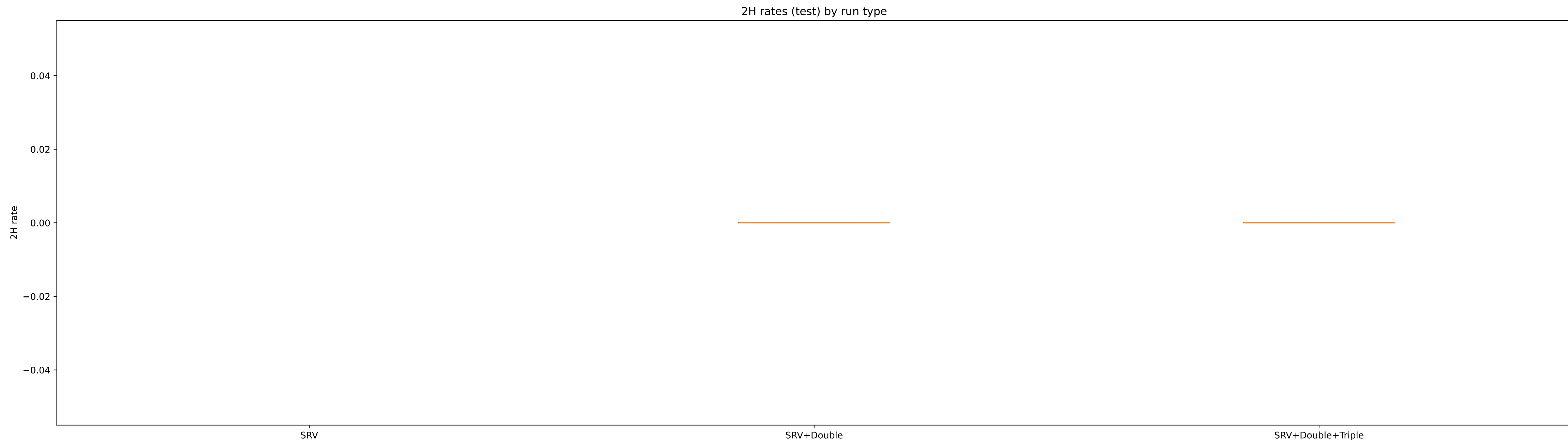RELAX LRT p-values by run type

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	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.7531	0.66	0.2684	0.4172	
	2	0.7541	0.66	0.2684	0.4172	
	3	0.7532	0.66	0.2684	0.4172	
	4	0.7534	0.66	0.2684	0.4172	
	5	0.753	0.66	0.2684	0.4172	
	6	0.7534	0.66	0.2684	0.4172	
	7	0.753	0.66	0.2684	0.4172	
	8	0.7531	0.66	0.2685	0.4173	
	9	0.7546	0.66	0.2684	0.4172	
	10	0.7604	0.67	0.2705	0.4159	

Replicate-level summary — SRV+Double (page 1/1)

replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.4159	0.7593	0.67	0.2705	0.4159	
2		0.7531	0.66	0.2684	0.4172	
3	0.4141	0.7598	0.67	0.2707	0.4141	
4	0.4155	0.7595	0.67	0.271	0.4155	
5		0.7532	0.66	0.2684	0.4172	
6		0.753	0.66	0.2684	0.4172	
7	0.4172	0.7533	0.66	0.2684	0.4172	
8	0.4172	0.7532	0.66	0.2684	0.4172	
9	0.4172	0.7533	0.66	0.2684	0.4172	
10		0.7529	0.66	0.2684	0.4172	

Replicate-level summary — SRV+Double+Triple (page 1/1)

replicate	global_dNdS_test	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1		0.7539	0.66	0.2684	0.4172	
2		0.7537	0.66	0.2684	0.4172	
3		0.7532	0.66	0.2684	0.4172	
4		0.754	0.66	0.2684	0.4172	
5	0.416	0.7593	0.67	0.2703	0.416	
6		0.7535	0.66	0.2684	0.4172	
7	0.4172	0.7557	0.66	0.2684	0.4172	
8		0.7538	0.66	0.2684	0.4172	
9	0.4174	0.7538	0.66	0.2681	0.4174	
10		0.754	0.66	0.2684	0.4172	

		Ω-class distributions (all) (cols 1-7/7)		
test	Negative selection	0.001	0.0	SRV+Double
test	Negative selection	0.411	100.0	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.266	100.0	SRV+Double
reference	Diversifying selection	0.0	0.0	SRV+Double
reference	Negative selection	0.002	0.0	SRV+Double
reference	Negative selection	0.268	100.0	SRV+Double
test	Diversifying selection	15.184	0.0	SRV+Double
test	Negative selection	0.002	0.0	SRV+Double
test	Negative selection	0.268	100.0	SRV+Double
reference	Diversifying selection	1.348	0.0	SRV+Double
reference	Negative selection	0.264	100.0	SRV+Double
reference	Negative selection	0.9	0.0	SRV+Double
test	Diversifying selection	1.218	0.0	SRV+Double
test	Diversifying selection	1.348	0.0	SRV+Double
test	Negative selection	0.415	100.0	SRV+Double
test	Negative selection	0.933	0.0	SRV+Double
test	Negative selection	0.264	100.0	SRV+Double
test	Negative selection	0.9	0.0	SRV+Double
reference	Diversifying selection	3.264	0.0	SRV+Double
reference	Negative selection	0.266	100.0	SRV+Double
reference	Negative selection	0.719	0.0	SRV+Double
test	Diversifying selection	3.264	0.0	SRV+Double
test	Negative selection	0.266	100.0	SRV+Double
test	Negative selection	0.719	0.0	SRV+Double
reference	Diversifying selection	3.045	0.0	SRV+Double
reference	Negative selection	0.0	0.0	SRV+Double
reference	Negative selection	0.264	100.0	SRV+Double
test	Diversifying selection	2.086	0.0	SRV+Double
test	Diversifying selection	3.045	0.0	SRV+Double
test	Negative selection	0.001	0.0	SRV+Double
test	Negative selection	0.415	100.0	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.264	100.0	SRV+Double
reference	Diversifying selection	1.065	0.0	SRV+Double
reference	Negative selection	0.002	0.0	SRV+Double
reference	Negative selection	0.266	100.0	SRV+Double
test	Diversifying selection	1.065	0.0	SRV+Double
test	Negative selection	0.002	0.0	SRV+Double
test	Negative selection	0.266	100.0	SRV+Double
reference	Diversifying selection	8.613	0.0	SRV+Double
reference	Negative selection	0.001	0.0	SRV+Double
reference	Negative selection	0.264	100.0	SRV+Double
test	Diversifying selection	4.147	0.0	SRV+Double
test	Diversifying selection	8.613	0.0	SRV+Double
test	Negative selection	0.01	0.0	SRV+Double
test	Negative selection	0.415	100.0	SRV+Double
test	Negative selection	0.001	0.0	SRV+Double
test	Negative selection	0.264	100.0	SRV+Double
reference	Diversifying selection	2.165		SRV+Double

	class_id	syn_rate	proportion_percent	run_type	
	1	0.0	33.207	SRV	
	2	0.0	21.914	SRV	
	3	2.228	44.879	SRV	
	1	0.0	27.254	SRV	
	2	0.0	27.863	SRV	
	3	2.228	44.883	SRV	
	1	0.0	55.118	SRV	
	2	0.001	0.0	SRV	
	3	2.228	44.882	SRV	
	1	0.0	4.866	SRV	
	2	0.0	50.252	SRV	
	3	2.228	44.882	SRV	
	1	0.0	55.118	SRV	
	2	2.228	44.243	SRV	
	3	2.228	0.639	SRV	
	1	0.0	31.38	SRV	
	2	0.0	23.74	SRV	
	3	2.228	44.88	SRV	
	1	0.0	55.118	SRV	
	2	0.002	0.0	SRV	
	3	2.228	44.882	SRV	
	1	0.0	55.12	SRV	
	2	0.001	0.0	SRV	
	3	2.228	44.88	SRV	
	1	0.0	55.121	SRV	
	2	0.0	0.0	SRV	
	3	2.228	44.879	SRV	
	1	0.0	53.168	SRV	
	2	0.0	0.0	SRV	
	3	2.135	46.832	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	
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	