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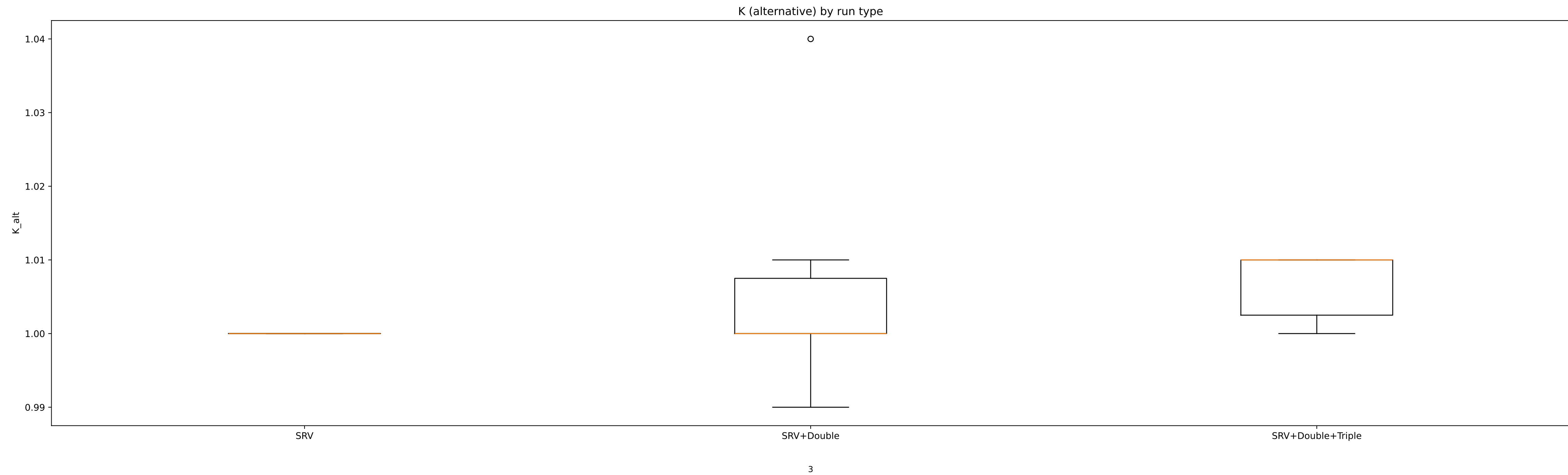
SRV vs SRV+Double vs SRV+Double+Triple
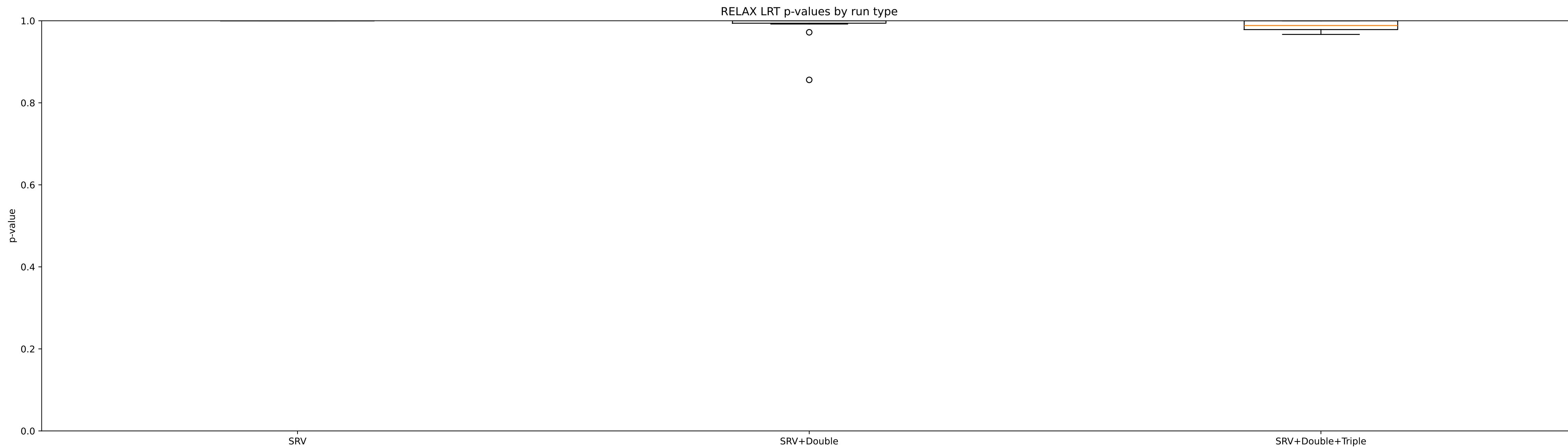
Includes:

- Run-type summary

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

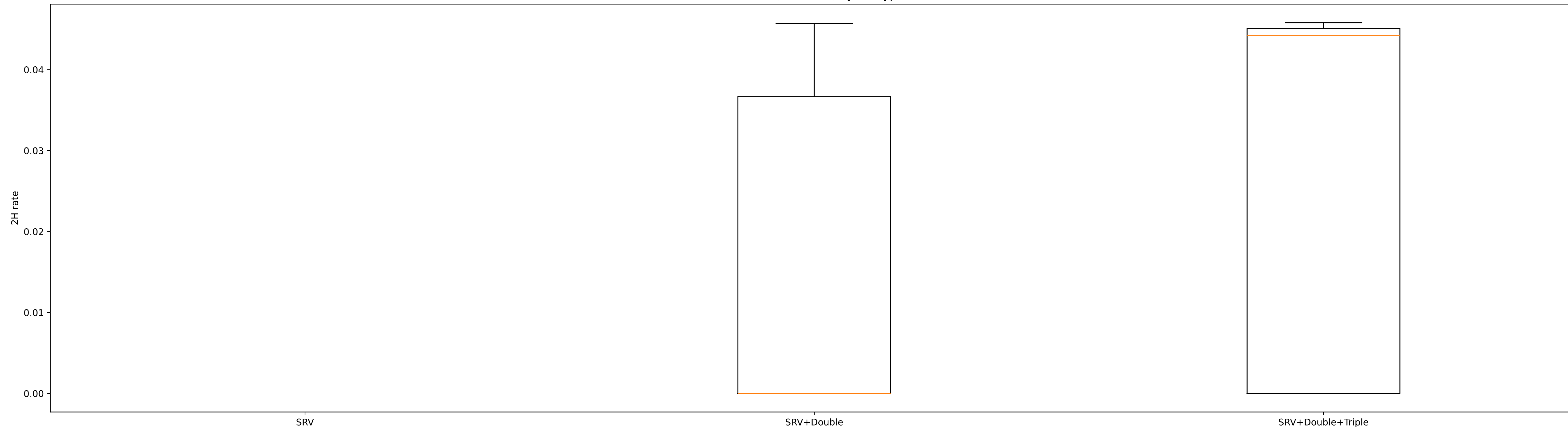- Full omega/SRV/multihit tables (column-paged)

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	1.0	0.2304	0.2445	10	nan	nan
1.0	0.8559	1.0	1.0	0.99	1.04	0.2306	0.2448	10	0.0	0.0
0.9886	0.9667	1.0	1.01	1.0	1.01	0.2306	0.2447	10	0.0442	0.0

K (alternative) by run type

3

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

SRV   SRV+Double   SRV+Double+Triple

3H rate

0.04

0.02

0.00

−0.02

−0.04

3H rates (test) by run type

	replicate		p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2445	1.0	1.0	0.2306	0.2445	
	2		1.0	1.0	0.2304	0.2444	
	3		1.0	1.0	0.2307	0.2447	
	4		1.0	1.0	0.2302	0.2443	
	5		1.0	1.0	0.23	0.2444	
	6		1.0	1.0	0.2308	0.2454	
	7		1.0	1.0	0.2303	0.2443	
	8		1.0	1.0	0.2305	0.2448	
	9		1.0	1.0	0.2304	0.2445	
	10		1.0	1.0	0.2304	0.2446	

	replicate		p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2443	1.0	1.0	0.2305	0.2443	
	2		1.0	1.0	0.2305	0.2445	
	3		1.0	1.0	0.2307	0.2446	
	4		0.9719	1.01	0.2304	0.2446	
	5		1.0	1.0	0.2306	0.2448	
	6		1.0	1.0	0.231	0.245	
	7		0.8559	1.04	0.2307	0.2448	
	8	0.2453	1.0	1.0	0.2308	0.2453	
	9	0.2447	0.9921	1.01	0.2306	0.2447	
	10	0.245	1.0	0.99	0.2309	0.245	

	replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.9787	1.01	0.2308	0.2447	
	2		0.9939	1.01	0.2308	0.2447	
	3		0.9667	1.01	0.2306	0.245	
	4	0.245	0.9764	1.01	0.2309	0.245	
	5		1.0	1.01	0.2306	0.2445	
	6		1.0	1.0	0.2309	0.245	
	7		0.9832	1.01	0.2304	0.2447	
	8	0.2446	0.9784	1.01	0.2307	0.2446	
	9	0.2445	1.0	1.0	0.2306	0.2445	
	10		1.0	1.0	0.2304	0.2447	

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

test	Negative selection	0.214	100.0	SRV+Double	
test	Negative selection	0.228	0.0	SRV+Double	
test	Negative selection	0.217	100.0	SRV+Double	
test	Negative selection	0.231	0.0	SRV+Double	
reference	Diversifying selection		0.0	SRV+Double	
reference	Negative selection	0.185	0.0	SRV+Double	
reference	Negative selection	0.215	100.0	SRV+Double	
test	Diversifying selection	7.99	0.0	SRV+Double	
test	Negative selection	0.185	0.0	SRV+Double	
test	Negative selection	0.215	100.0	SRV+Double	
reference	Diversifying selection	100.285	0.067	SRV+Double	
reference	Negative selection	0.211	96.476	SRV+Double	
reference	Negative selection	0.212	3.457	SRV+Double	
test	Diversifying selection	99.947	0.067	SRV+Double	
test	Diversifying selection	100.285	0.067	SRV+Double	
test	Negative selection	0.211	96.476	SRV+Double	
test	Negative selection	0.213	3.457	SRV+Double	
test	Negative selection	0.211	96.476	SRV+Double	
test	Negative selection	0.212	3.457	SRV+Double	
reference	Diversifying selection	100.096	0.067	SRV+Double	
reference	Negative selection	0.211	96.476	SRV+Double	
reference	Negative selection	0.212	3.457	SRV+Double	
test	Diversifying selection	100.096	0.067	SRV+Double	
test	Negative selection	0.211	96.476	SRV+Double	
test	Negative selection	0.212	3.457	SRV+Double	
reference	Diversifying selection	98.848	0.067	SRV+Double	
reference	Negative selection	0.208	8.914	SRV+Double	
reference	Negative selection	0.211	91.019	SRV+Double	
test	Diversifying selection	100.034	0.067	SRV+Double	
test	Diversifying selection	98.848	0.067	SRV+Double	
test	Negative selection	0.207	8.914	SRV+Double	
test	Negative selection	0.211	91.019	SRV+Double	
test	Negative selection	0.208	8.914	SRV+Double	
test	Negative selection	0.211	91.019	SRV+Double	
reference	Diversifying selection	99.76	0.067	SRV+Double	
reference	Negative selection	0.209	8.915	SRV+Double	
reference	Negative selection	0.211	91.019	SRV+Double	
test	Diversifying selection	99.76	0.067	SRV+Double	
test	Negative selection	0.209	8.915	SRV+Double	
test	Negative selection	0.211	91.019	SRV+Double	
reference	Diversifying selection	1.585	0.0	SRV+Double	
reference	Negative selection	0.215	47.52	SRV+Double	
reference	Negative selection	0.222	52.48	SRV+Double	
test	Diversifying selection	1.613	0.0	SRV+Double	
test	Diversifying selection	1.585	0.0	SRV+Double	
test	Negative selection	0.203	47.52	SRV+Double	
test	Negative selection	0.21	52.48	SRV+Double	
test	Negative selection	0.215	47.52	SRV+Double	
test	Negative selection	0.222	52.48	SRV+Double	
reference	Diversifying selection	2.98	0.0	SRV+Double	

	class_id	syn_rate	proportion_percent	run_type	
	1	0.025	37.658	SRV	
	2	0.025	26.66	SRV	
	3	2.758	35.682	SRV	
	1	0.024	35.458	SRV	
	2	0.024	28.812	SRV	
	3	2.756	35.73	SRV	
	1	0.025	30.071	SRV	
	2	0.025	34.252	SRV	
	3	2.758	35.677	SRV	
	1	0.025	32.731	SRV	
	2	0.025	31.578	SRV	
	3	2.758	35.69	SRV	
	1	0.025	25.504	SRV	
	2	0.025	38.807	SRV	
	3	2.758	35.689	SRV	
	1	0.025	29.05	SRV	
	2	0.025	35.267	SRV	
	3	2.758	35.683	SRV	
	1	0.024	32.593	SRV	
	2	0.025	31.723	SRV	
	3	2.758	35.684	SRV	
	1	0.024	25.834	SRV	
	2	0.024	38.447	SRV	
	3	2.756	35.719	SRV	
	1	0.025	38.834	SRV	
	2	0.025	25.485	SRV	
	3	2.758	35.681	SRV	
	1	0.025	29.852	SRV	
	2	0.025	34.482	SRV	
	3	2.759	35.666	SRV	

	test	2H	0.0	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0438	SRV+Double+Triple	
	reference	2H	0.0451	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	0.0456	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	0.0446	SRV+Double+Triple	
	reference	2H	0.0452	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	0.0458	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	0.0442	SRV+Double+Triple	
	reference	2H	0.0446	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	0.045	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	0.0443	SRV+Double+Triple	
	reference	2H	0.0451	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	0.0457	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	0.0443	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	