RELAX Combined Report

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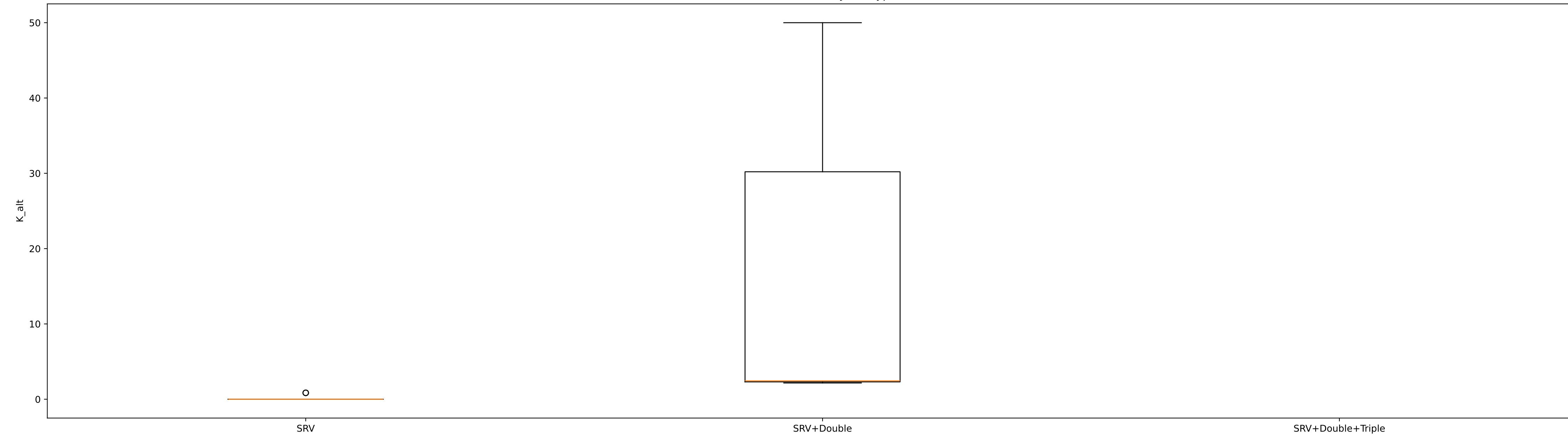
Includes:

- Run-type summary

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

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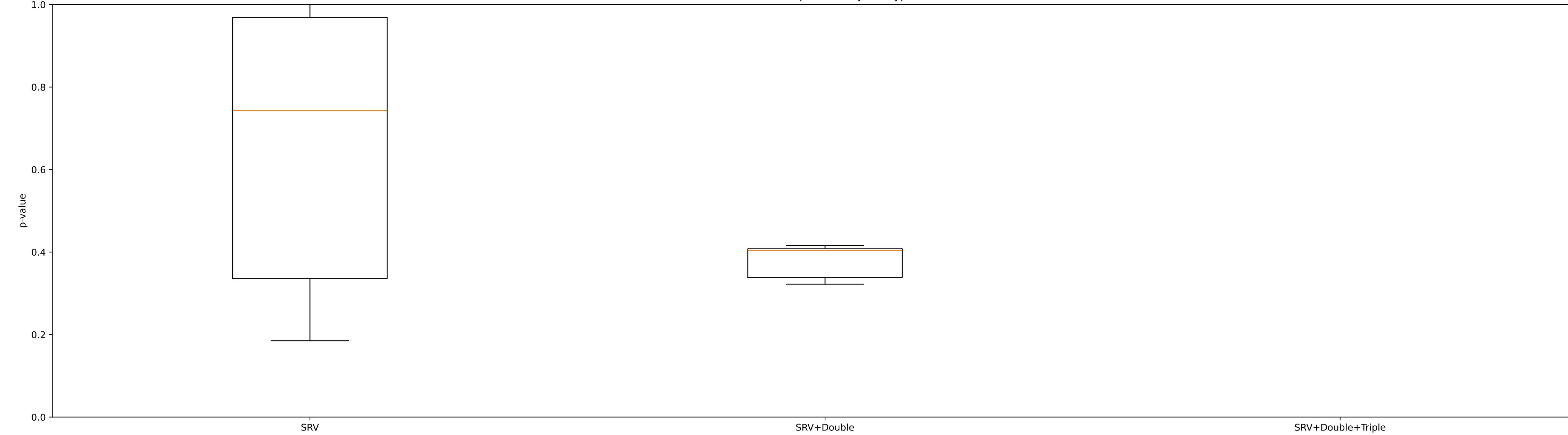
Run-type summary statistics

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
0.7428	0.1851	1.0	0.0	0.0	0.85	0.3306	0.1195	10	nan	nan
0.4037	0.3222	0.4161	2.44	2.16	50.0	0.3306	0.1195	10	0.432	0.0
nan	nan	nan	nan	nan	nan	nan	nan	0	nan	nan
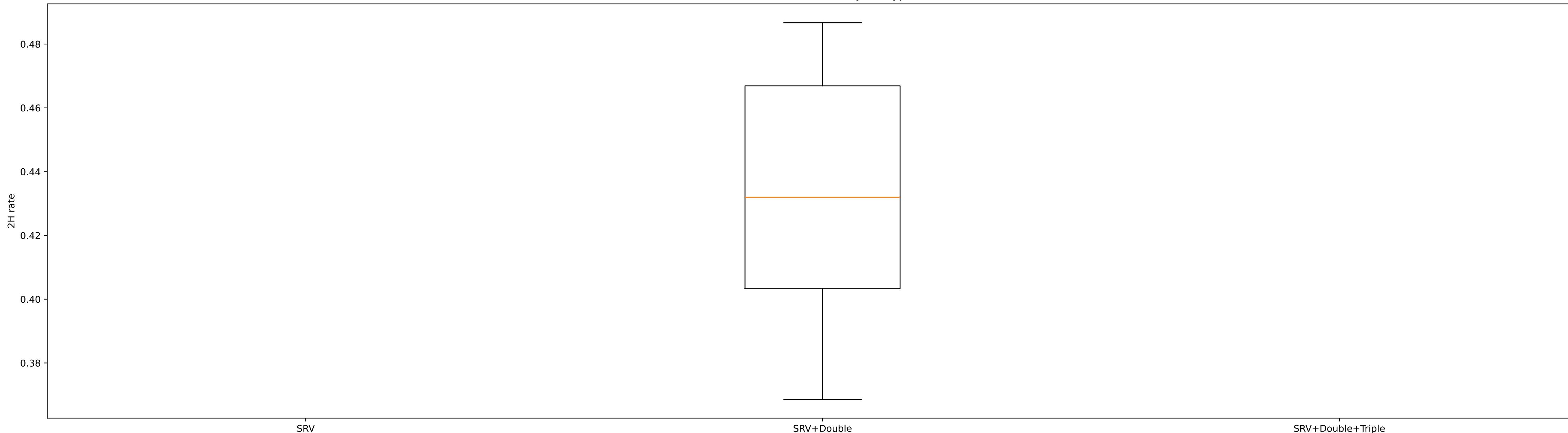
K (alternative) by run type

3

RELAX LRT p-values by run type

4

2H rates (reference) by run type

2H rates (test) by run type

No 3H rates available

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3355	0.0	0.3306	0.1195	
	2	0.8769	0.0	0.3306	0.1195	
	3	0.3356	0.0	0.3306	0.1195	
	4	0.3354	0.0	0.3306	0.1195	
	5	0.7392	0.85	0.3306	0.1195	
	6	1.0	0.0	0.3306	0.1195	
	7	0.7465	0.85	0.3306	0.1195	
	8	0.1851	0.0	0.3306	0.1195	
	9	1.0	0.0	0.3306	0.1195	
	10	1.0	0.0	0.3306	0.1195	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.4102	2.21	0.3306	0.1195	
	2	0.4034	2.47	0.3306	0.1195	
	3	0.3576	36.61	0.3306	0.1195	
	4	0.404	2.35	0.3306	0.1195	
	5	0.3222	50.0	0.3306	0.1195	
	6	0.3223	50.0	0.3306	0.1195	
	7	0.4161	2.16	0.3306	0.1195	
	8	0.4041	2.41	0.3306	0.1195	
	9	0.3325	10.99	0.3306	0.1195	
	10	0.4091	2.29	0.3306	0.1195	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	nan	nan	nan	nan	
	2	nan	nan	nan	nan	
	3	nan	nan	nan	nan	
	4	nan	nan	nan	nan	
	5	nan	nan	nan	nan	
	6	nan	nan	nan	nan	
	7	nan	nan	nan	nan	
	8	nan	nan	nan	nan	
	9	nan	nan	nan	nan	
	10	nan	nan	nan	nan	

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

test	Negative selection	0.0	73.431	SRV
test	Neutral evolution	1.0	25.602	SRV
test	Neutral evolution	1.0	25.602	SRV
reference	Diversifying selection	7816.238	0.084	SRV
reference	Negative selection	0.0	69.342	SRV
reference	Neutral evolution	1.0	30.575	SRV
test	Diversifying selection	7816.238	0.084	SRV
test	Negative selection	0.0	69.342	SRV
test	Neutral evolution	1.0	30.575	SRV
reference	Diversifying selection	15.706	1.427	SRV
reference	Negative selection	0.0	74.301	SRV
reference	Neutral evolution	1.0	24.273	SRV
test	Diversifying selection	1.0	1.427	SRV
test	Diversifying selection	15.706	1.427	SRV
test	Negative selection	0.0	74.301	SRV
test	Negative selection	0.0	74.301	SRV
test	Neutral evolution	1.0	24.273	SRV
test	Neutral evolution	1.0	24.273	SRV
reference	Diversifying selection	221735.107	0.049	SRV
reference	Negative selection	0.0	68.983	SRV
reference	Neutral evolution	1.0	30.968	SRV
test	Diversifying selection	221735.107	0.049	SRV
test	Negative selection	0.0	68.983	SRV
test	Neutral evolution	1.0	30.968	SRV
reference	Diversifying selection	1.489	4.696	SRV+Double
reference	Negative selection	0.223	86.704	SRV+Double
reference	Negative selection	0.242	8.6	SRV+Double
test	Diversifying selection	2.414	4.696	SRV+Double
test	Diversifying selection	1.489	4.696	SRV+Double
test	Negative selection	0.036	86.704	SRV+Double
test	Negative selection	0.043	8.6	SRV+Double
test	Negative selection	0.223	86.704	SRV+Double
test	Negative selection	0.242	8.6	SRV+Double
reference	Diversifying selection	1.749	8.258	SRV+Double
reference	Negative selection	0.0	21.734	SRV+Double
reference	Negative selection	0.208	70.008	SRV+Double
test	Diversifying selection	1.749	8.258	SRV+Double
test	Negative selection	0.0	21.734	SRV+Double
test	Negative selection	0.208	70.008	SRV+Double
reference	Diversifying selection	1.371	3.517	SRV+Double
reference	Negative selection	0.201	91.351	SRV+Double
reference	Neutral evolution	1.0	5.132	SRV+Double
test	Diversifying selection	2.181	3.517	SRV+Double
test	Diversifying selection	1.371	3.517	SRV+Double
test	Negative selection	0.019	91.351	SRV+Double
test	Negative selection	0.201	91.351	SRV+Double
test	Neutral evolution	1.0	5.132	SRV+Double
test	Neutral evolution	1.0	5.132	SRV+Double
reference	Diversifying selection	1.414	12.347	SRV+Double
reference	Negative selection	0.129	87.489	SRV+Double

class_id	syn_rate	proportion_percent	run_type
1	0.002	7.55	SRV
2	0.002	41.294	SRV
3	1.953	51.156	SRV
1	0.0	18.449	SRV
2	0.369	47.282	SRV
3	2.409	34.269	SRV
1	0.002	48.847	SRV
2	0.025	0.0	SRV
3	1.953	51.153	SRV
1	0.002	48.856	SRV
2	0.023	0.0	SRV
3	1.954	51.144	SRV
1	0.0	33.061	SRV
2	1.244	60.087	SRV
3	3.685	6.852	SRV
1	0.0	28.286	SRV
2	0.503	38.111	SRV
3	2.405	33.603	SRV
1	0.0	32.574	SRV
2	1.234	60.709	SRV
3	3.736	6.717	SRV
1	0.002	41.653	SRV
2	0.762	58.214	SRV
3	416.71	0.133	SRV
1	0.0	0.0	SRV
2	0.002	48.835	SRV
3	1.953	51.165	SRV
1	0.0	23.695	SRV
2	0.452	43.432	SRV
3	2.445	32.873	SRV

test	2H	0.0	SRV+Double	
reference	2H	0.4791	SRV+Double	
reference	2H	0.4824	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4457	SRV+Double	
reference	2H	0.3778	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4276	SRV+Double	
reference	2H	0.4544	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4629	SRV+Double	
reference	2H	0.3868	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4789	SRV+Double	
reference	2H	0.4835	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4479	SRV+Double	
reference	2H	0.3792	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4826	SRV+Double	
reference	2H	0.4063	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4265	SRV+Double	
reference	2H	0.3849	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4271	SRV+Double	
reference	2H	0.405	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4256	SRV+Double	
reference	2H	0.3875	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4298	SRV+Double	
reference	2H	0.4867	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4341	SRV+Double	
reference	2H	0.3696	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.481	SRV+Double	
reference	2H	0.4831	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4489	SRV+Double	
reference	2H	0.3774	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4351	SRV+Double	
reference	2H	0.4211	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4418	SRV+Double	
reference	2H	0.3982	SRV+Double	
test	2H	0.0	SRV+Double	
reference	2H	0.4298	SRV+Double	