Metabolites:

Meeting with Thomas

Plot pc3 – der liggerforskel på ctmax og ccr

Main points:

Metabolite NMR profiles are clearly different between CTmax and CCR spiders (clear separation on pc3 – 10ish percent, for AQ), indicating markedly different metabolic responses. This is also true for AQ solution in PLS-DA space, but not for organic.

Based on all data (CTmax and CCR combined) aquatious solution metabolites seems to separate stampriet from the other three in PLS-DA space.

The overall response to temperature (pooled ctmax and ccr) is a gradual alteration of the metabolite profile with each acclimation temperature increase. This pattern remains clear for especially otavi and better, while for Stampriet and Karasburg the pattern is less clear, but still visible (AQ solution)

For organic extraction, it seems that mainly high acclimation temperature separates the metabolites. This is true for the overall pattern, but also for the population specific. Population does not give clear separation in PLS-DA space.