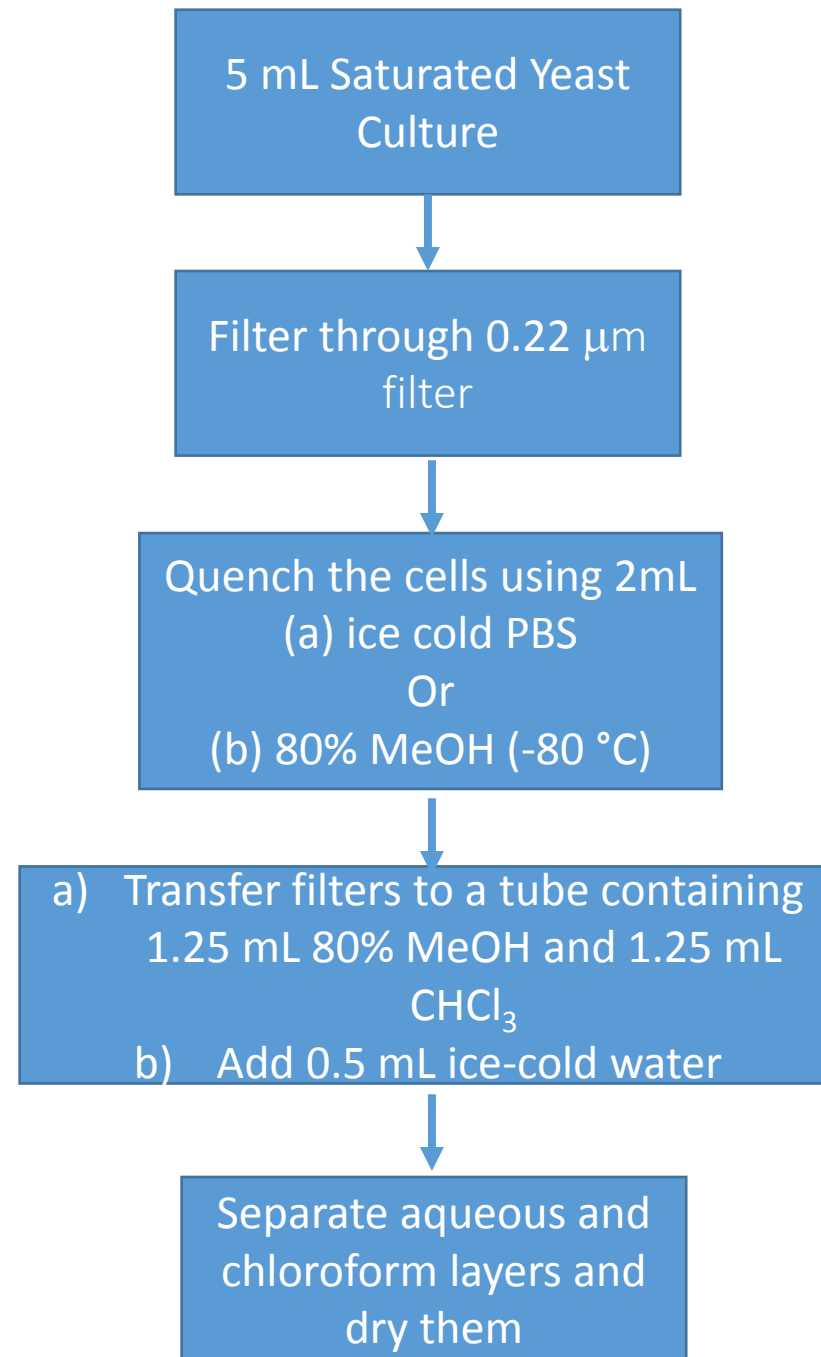


NMR Analysis of Yeast Aqueous Extracts Generated in the Workshop

Wimal Pathmasiri, Rodney Snyder, Steve Barnes

June 18th 2015

Sample Preparation procedure



**Bruker Avance III
600 MHz NMR**

ns = 16

sw = 16 ppm

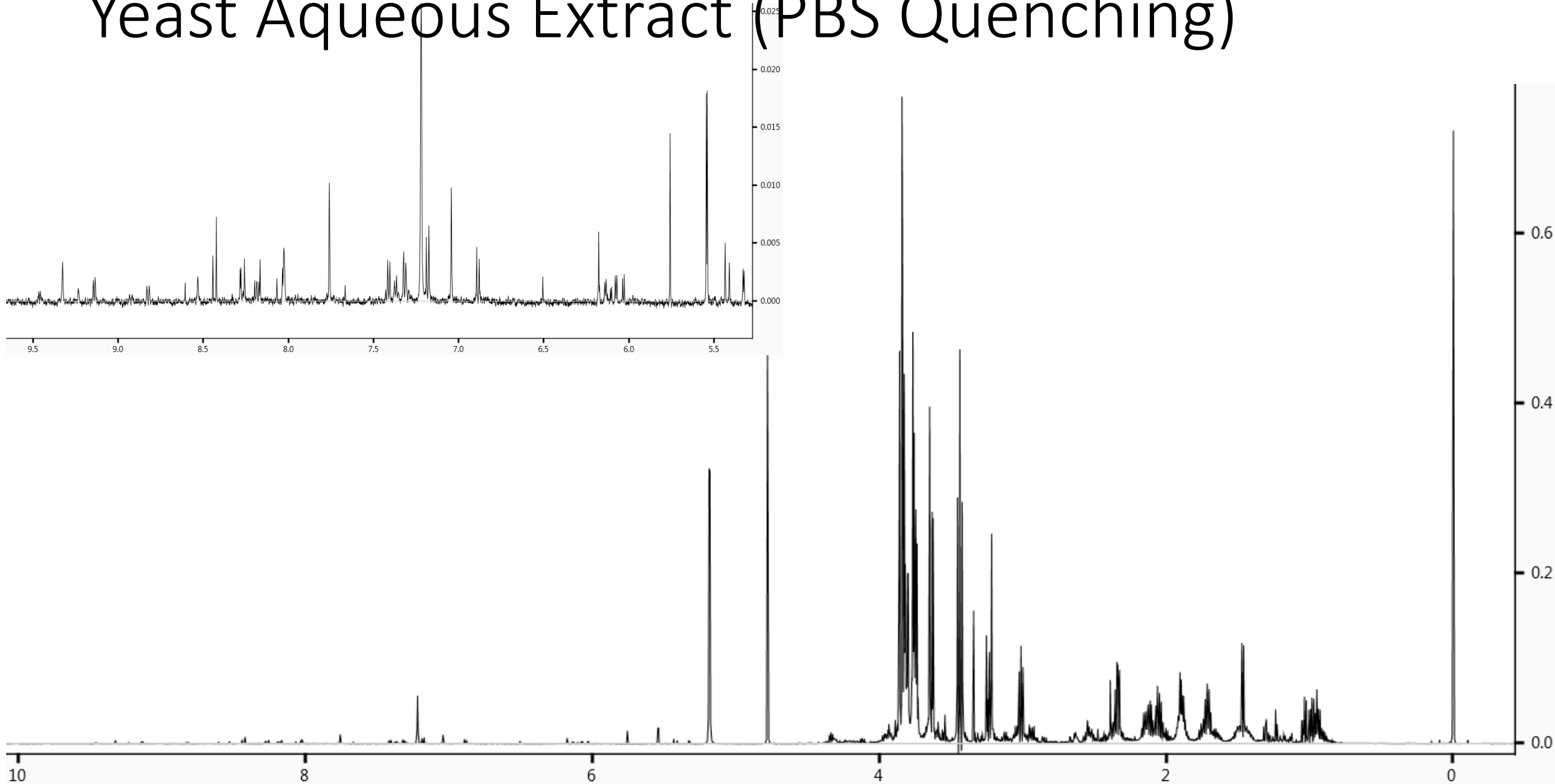
td = 32768

si = 32768

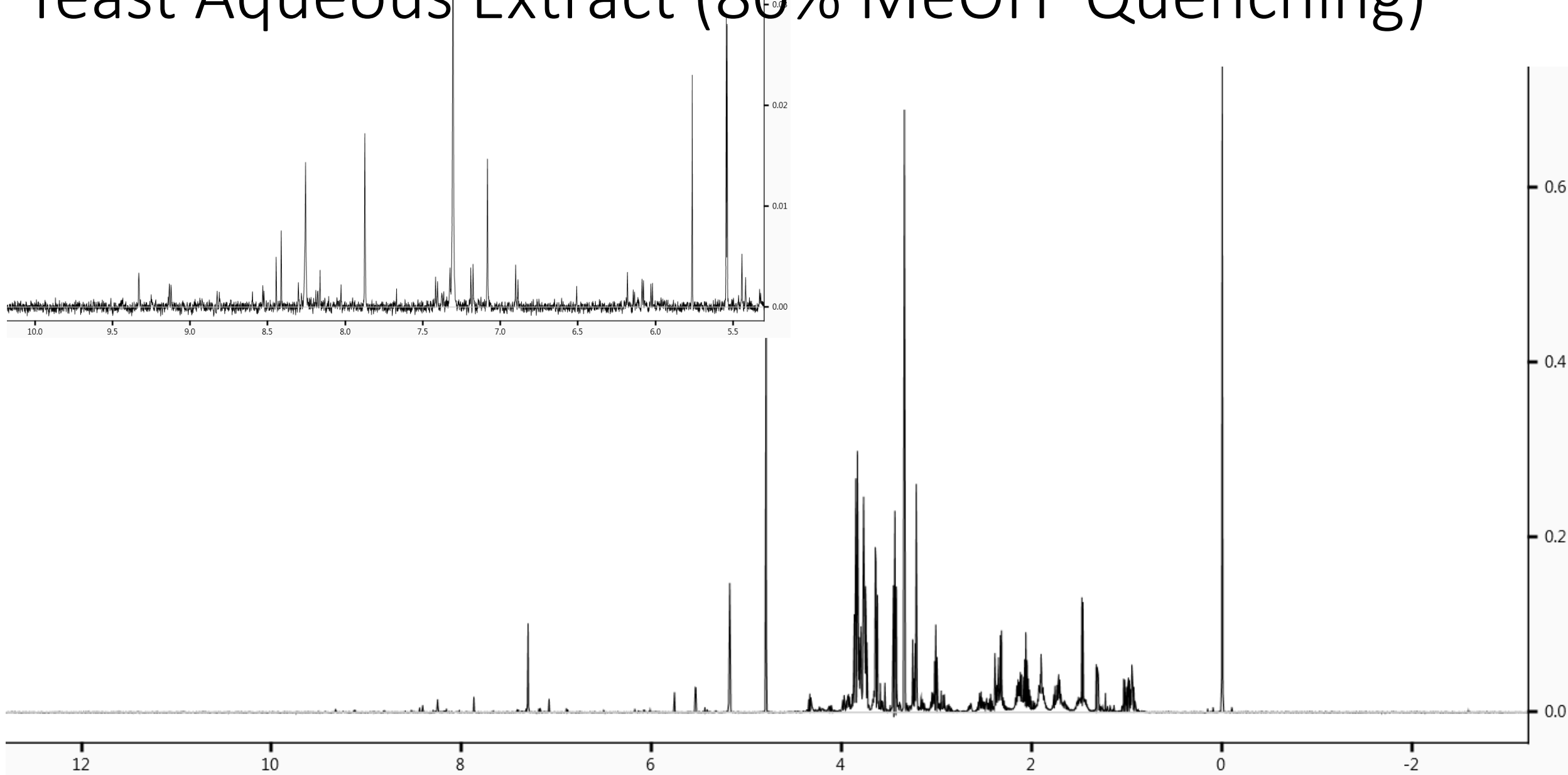
T = 298 K

**Aim is to compare the two
quenching methods using
aqueous extracts**

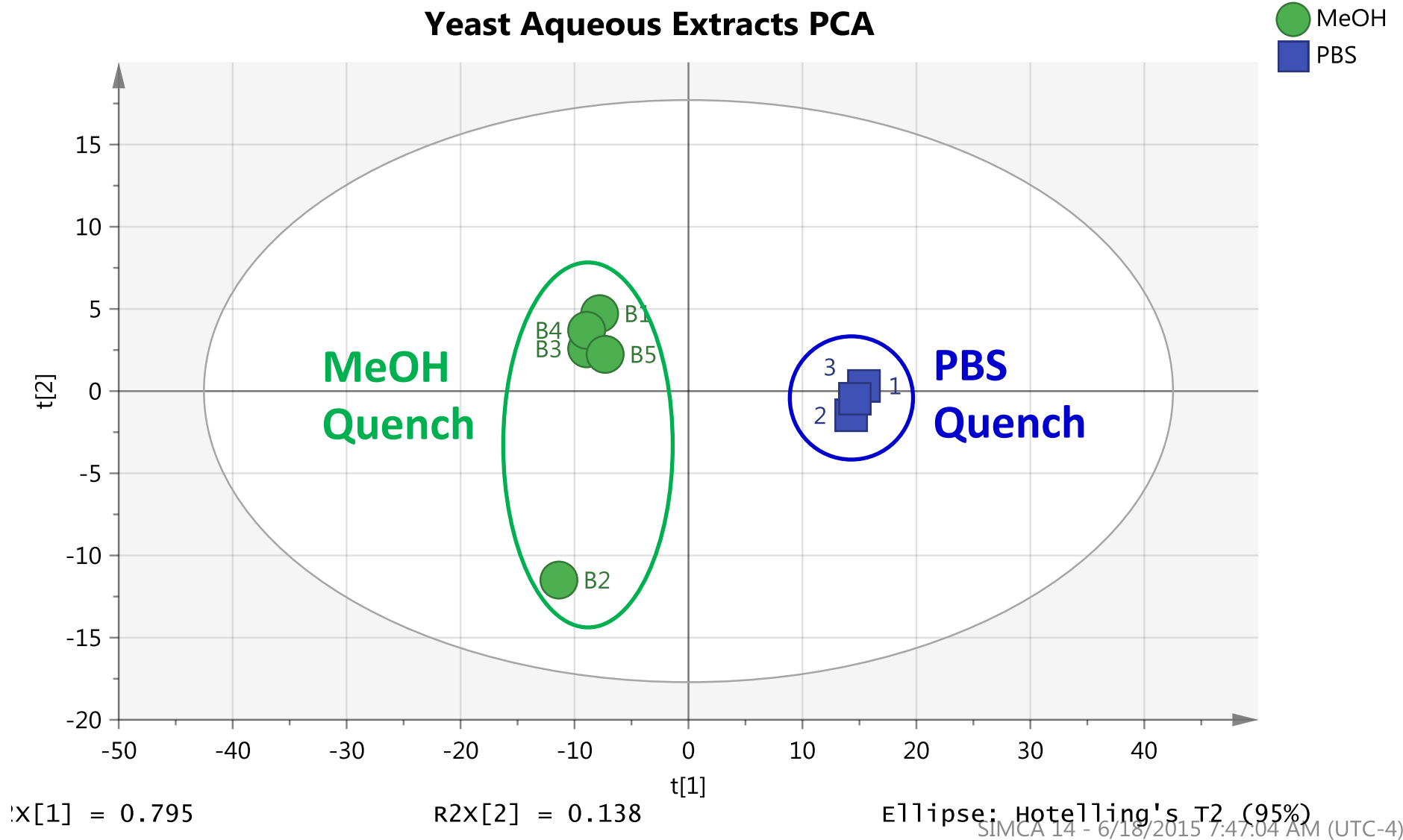
Yeast Aqueous Extract (PBS Quenching)



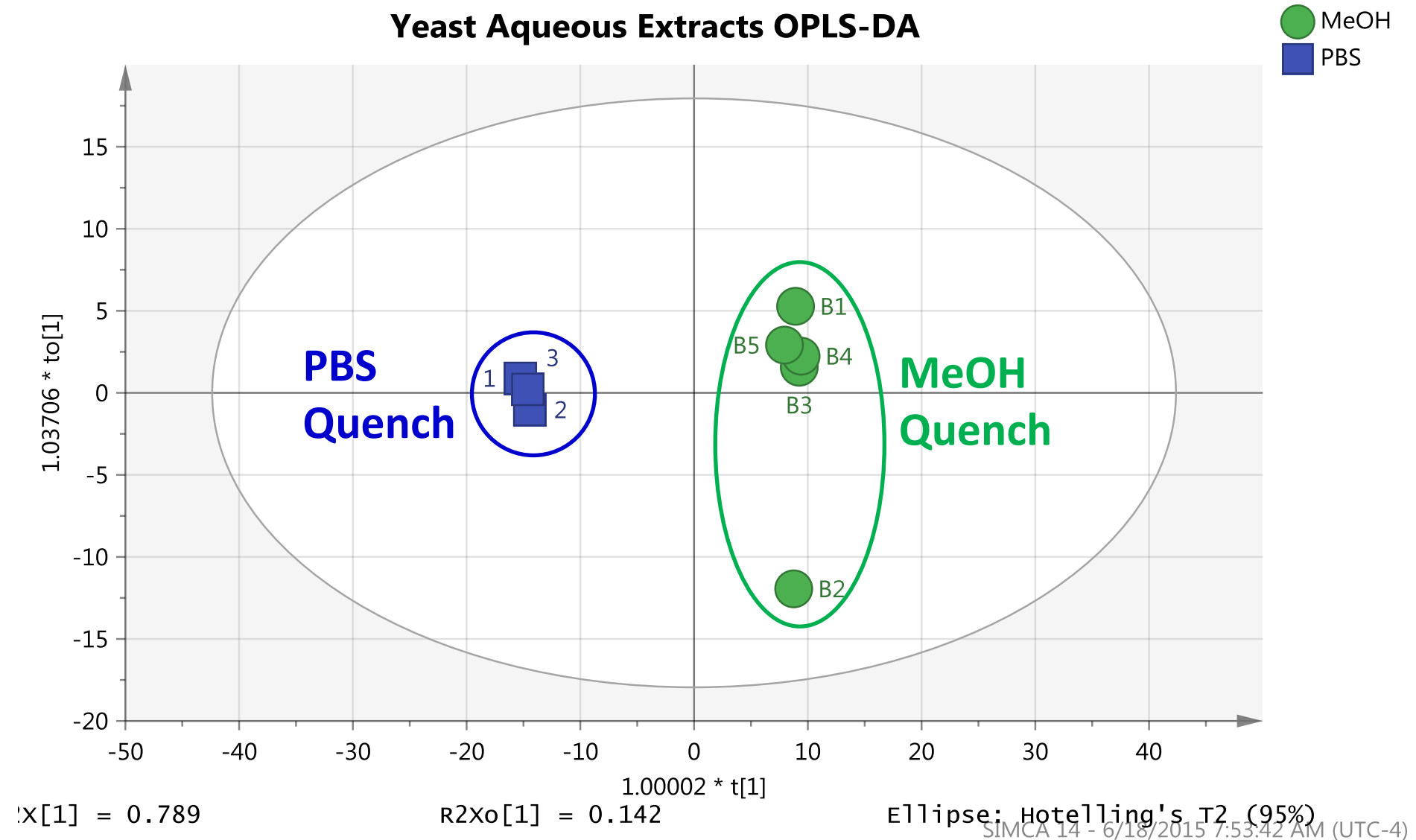
Yeast Aqueous Extract (80% MeOH Quenching)



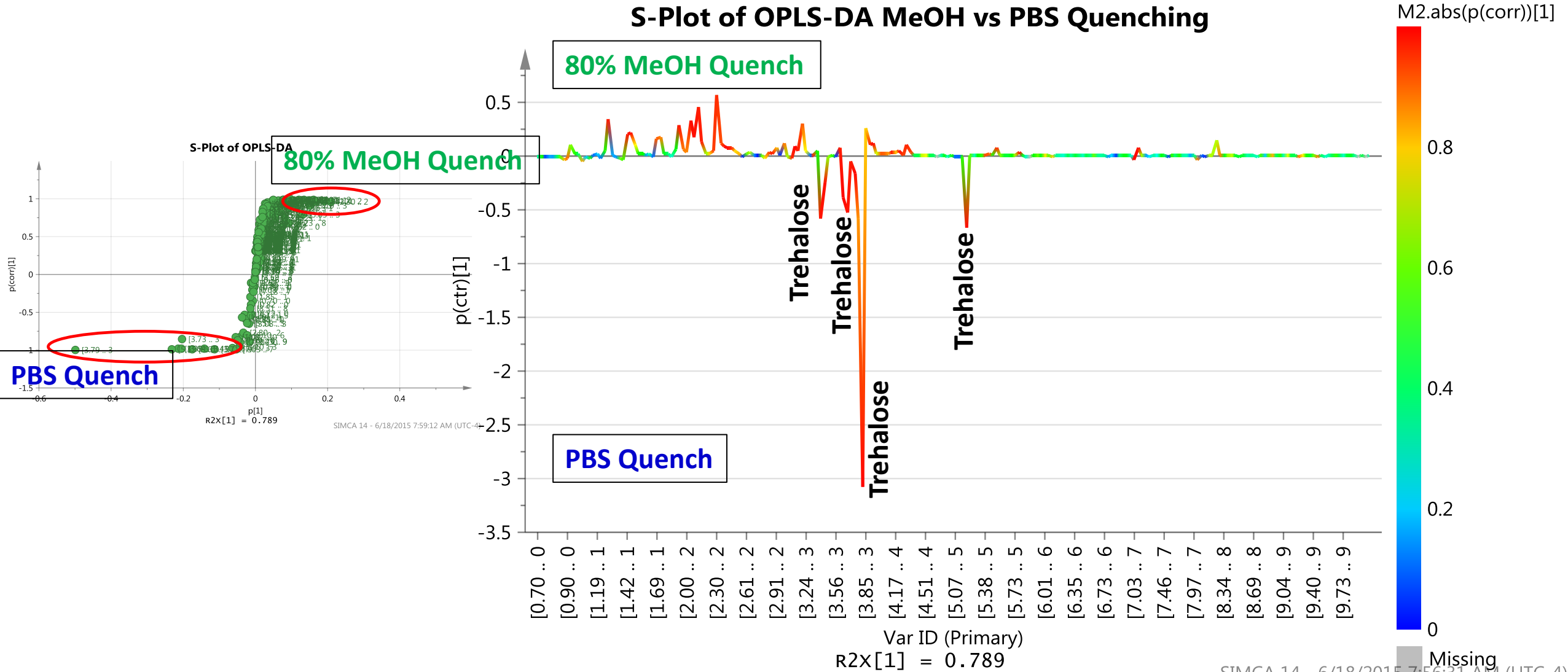
Yeast Aqueous Extract PCA



Yeast Aqueous Extract PCA



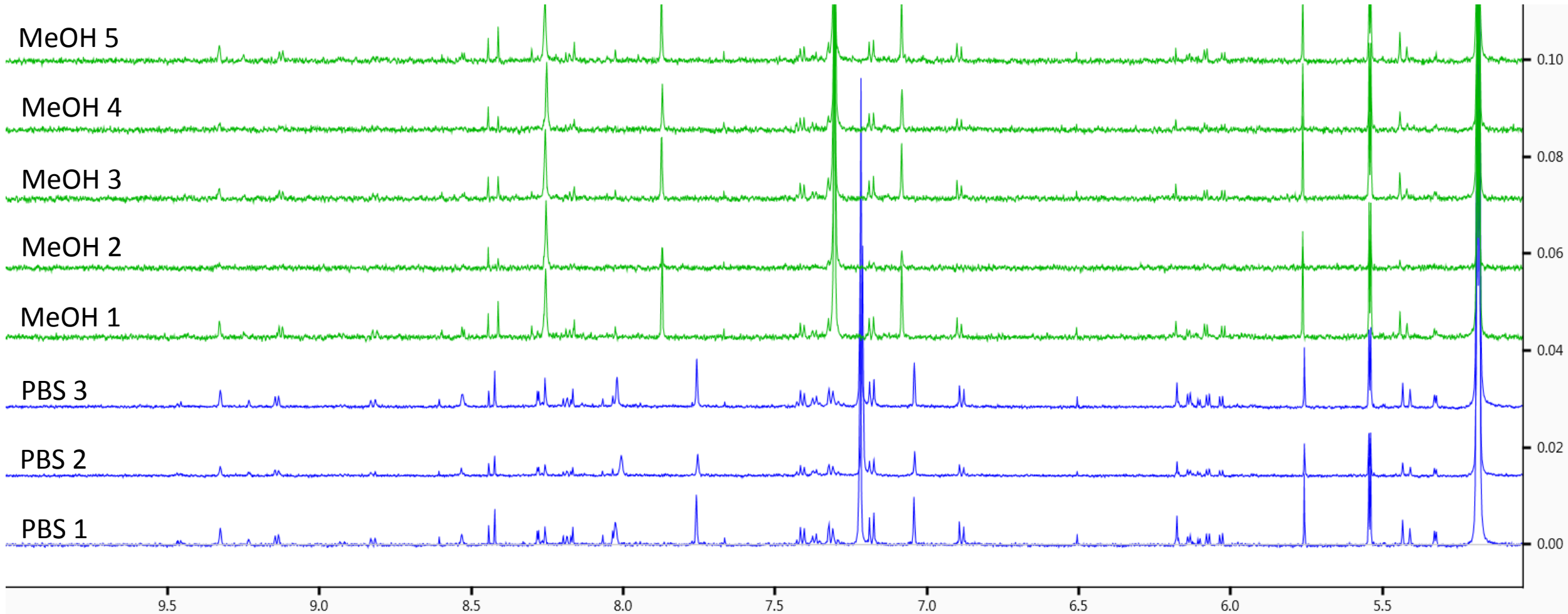
S-Plot of OPLS-DA Yeast Aqueous Extracts



Yeast Aqueous Extracts

80% MeOH Quench

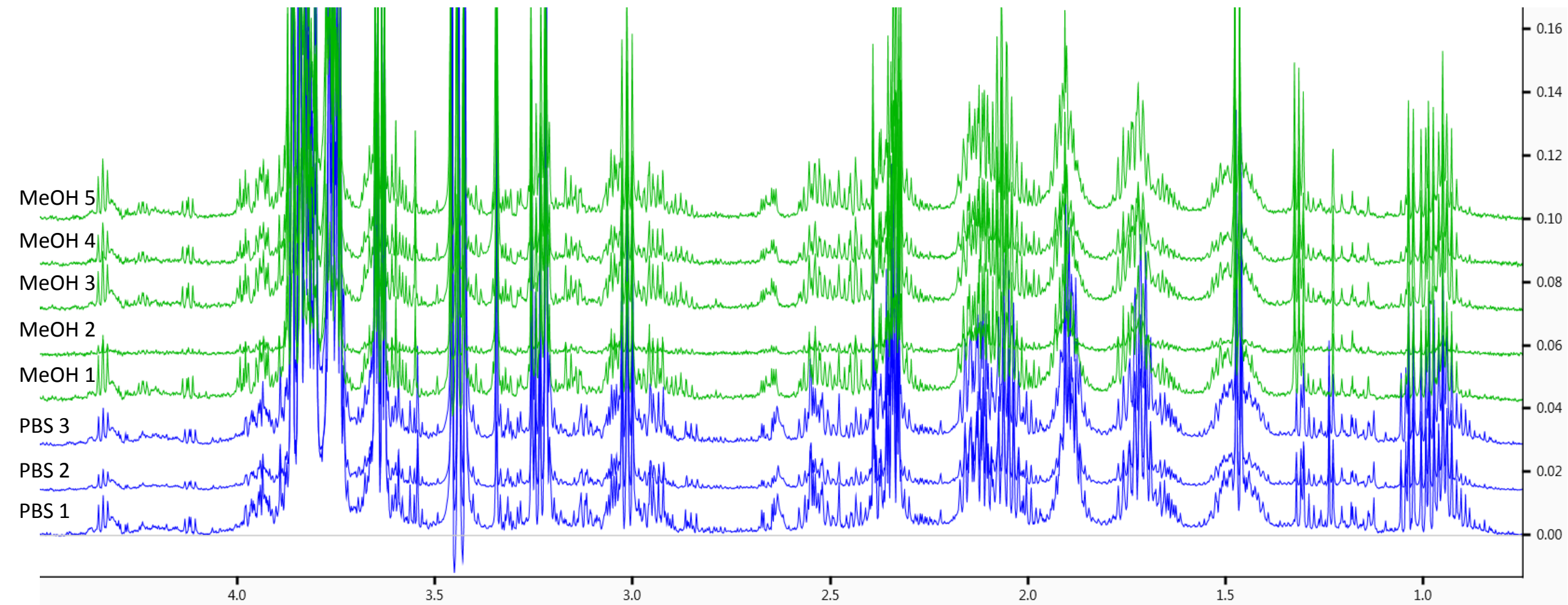
PBS Quench



Yeast Aqueous Extracts

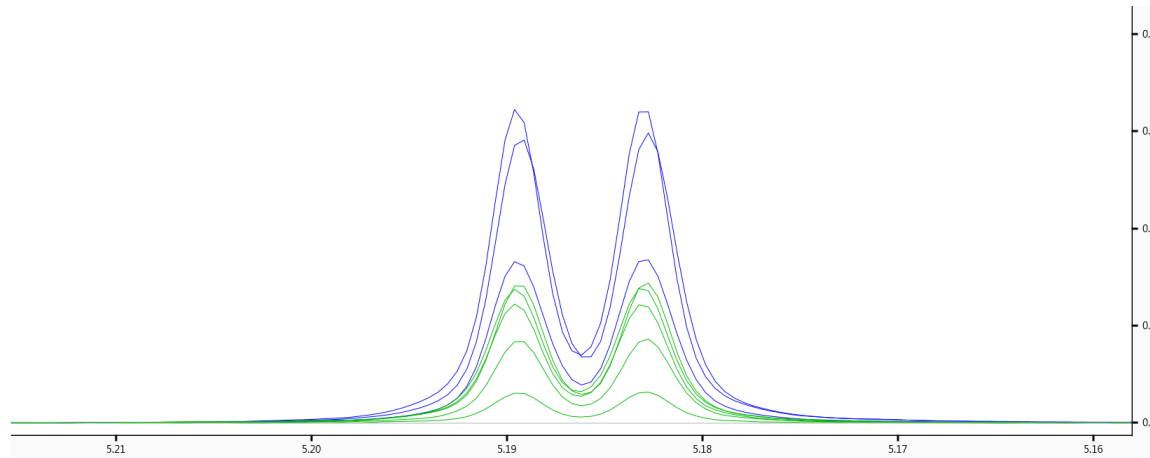
80% MeOH Quench

PBS Quench



Yeast Aqueous Extracts

Trehalose



80% MeOH Quench
PBS Quench

Glutamate

Lysine

