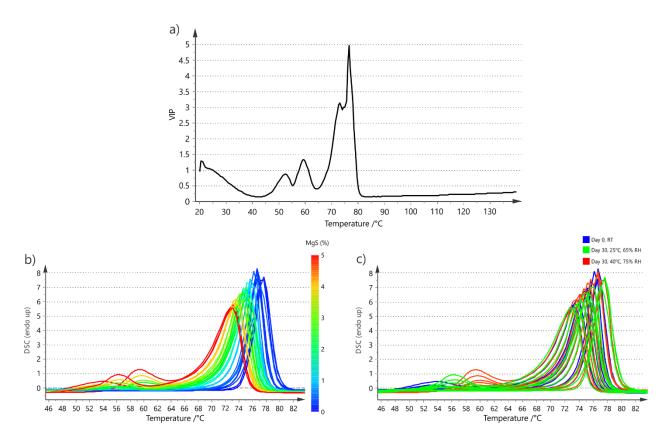


**Figure S1.** 2950 – 2920 cm<sup>-1</sup> IR spectral region (SNV normalized) colored according to the MgS content (a) and stress conditions (b)



**Figure S2.** VIP plot of the DSC curves PLS model (a), DSC curves colored according to the MgS content (b) and stress conditions (c)