

### 4.3.2.1: At4g11050: GH9, Endo-1,4- $\beta$ -glucanase

Col is slightly enriched in protein (1651 and 1547  $\text{cm}^{-1}$ ) and either the amount or crystallinity of cellulose (1111, 1057, and 1034  $\text{cm}^{-1}$ ). The mutant is slightly enriched in an ester (1766  $\text{cm}^{-1}$ ) and unassigned absorbances (1219, 1173, and 991  $\text{cm}^{-1}$ ). PC loading3 discriminates Col from mutant and has many features of the digital subtraction.

