

1.1 At1g12780, AtUGE1: UDP-Glc C-4-epimerase1

Col is relatively enriched in a peak at 1608 cm^{-1} , but with no companion peak at 1420 cm^{-1} to indicate a carboxylate stretch of pectins. The mutant is relatively enriched in two broad bands of ester ($1760 - 1700\text{ cm}^{-1}$) and aromatic ring absorbances ($1560 - 1500\text{ cm}^{-1}$), and also at 1076 and 975 cm^{-1} , unassigned carbohydrate fingerprint absorbances. Only PC loading 4 contributes to discrimination of this mutant from Col, with features similar to the digital subtraction.

