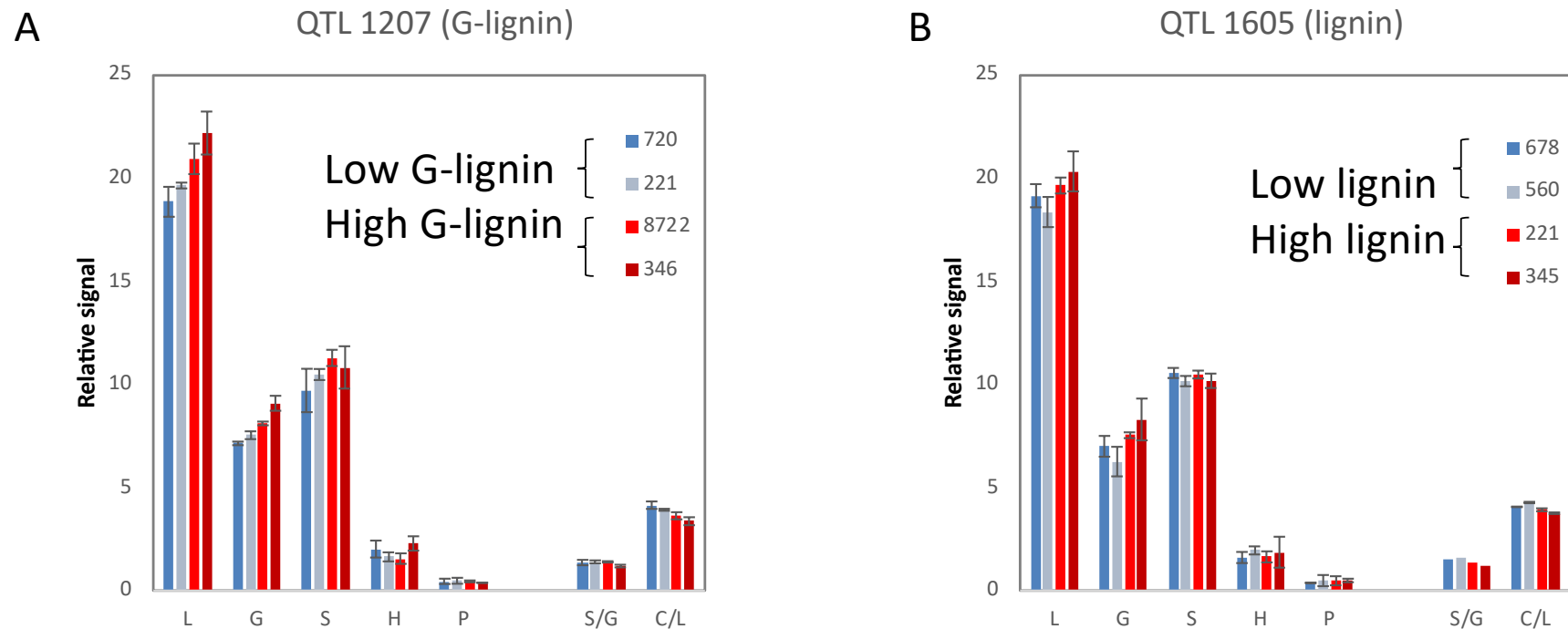


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Online resource 3. Validation of the predicted differences in cell wall composition of contrasting genotypes for QTL 1207 assigned to G-lignin (A), and for QTL 1605 assigned to lignin (B). The validation was carried out using pyrolysis – GC-MS, according to Greber et al. (2012). The identified pyrolysate signals correspond to G-, S- and H-lignin, as well as to carbohydrates (C), and phenolics (P). Total lignin signals (L) are obtained as the sum of S+G+H signals.

Gerber, L., Eliasson, M., Trygg, J., Moritz, T., Sundberg, B., 2012. Multivariate curve resolution provides a high-throughput data processing pipeline for pyrolysis gas chromatography/mass spectrometry. *J. Anal. Appl. Pyrol.* 95, 95–100.