

BESC - Gene G impacting biomass properties in Populus

Disclosure Number

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Technology Summary

Apart from the positive impact on biomass formation, the increased cellulose content and increase in the percentage usable fraction for biomass conversion to ethanol render the gene important to consider for lignocellulose feedstock improvement efforts. The gene reported here can be used as a candidate in marker-assisted breeding to identify individual genotypes or genetically transform plants to improve crop productivity and sustainability properties.

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