

ESPC 2009 - Winnipeg (Manitoba)



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Analysis of PL reductase and level of secoisolariciresinol diglucoside in flax

Division: Biotechnologie / Innovation environnementale

Catégorie: Sénior

Région: Manitoba Schools Science Symposium

Ville: Winnipeg, MB

École: Fort Richmond Collegiate

Sommaire: The primary lignan in flax is Secoisolariciresinol and exists as a diglucoside compound (SDG), which is synthesized through pinoselin-lariciresinol reductase enzyme. Two isoforms of this gene were isolated and sequenced. Five significant polymorphisms affect the functionality of the enzyme were identified in a flax world collection. SDG levels were measured in 10 flax accessions with different polymorphisms and significant changes in lignan content were observed.

Biographie

I am simple guy (almost). I like to do a variety of activities in my free time including chillin with my friends, going to parties and driving around with people. I am a member of the Environmental Sustainability Committee in my school. I plan to get involved many school activities next year. I like to travel to Europe and Asia and backpack for months. I will do that probably in the summer. I do not play in any sport's team but I am fairly good at basketball, football and cricket. I love people with a good sense of humor. I have really bad grammar and use words and tend to say the wrong thing at the wrong time. I am not that religious but try to work according to my faith. I always want to be close to perfect and work hard for things I aim for.

Prix

Valeur

Bourse d'études de l'Université Western Ontario Médaille de bronze - Bourse de début d'études de 1 000 \$ Commanditaire: Université Western Ontario	1 000,00 \$
Bourse d'admission de l'Université d'Ottawa Médaille de bronze, sénior ? Bourse d'admission de 1 000 \$ Commanditaire: Université d'Ottawa	1 000,00 \$
Médaille de bronze - Biotechnologie et les sciences pharmaceutiques Sénior Commanditaire: Sciences jeunesse Canada	300,00 \$
Total	2 300,00 \$