

Internship in Quantitative Genetics (H/F) (2021-6787)

Groupe Limagrain - France

Localisation du poste : Europe, France, Auvergne, Puy de Dôme (63)

Quatrième semencier mondial, Limagrain est un groupe coopératif international créé et dirigé par des agriculteurs français. Créateur et producteur de variétés végétales, Limagrain commercialise des semences de grandes cultures, des semences potagères et des produits céréaliers.

FINALITE :

You will contribute to the assessment and implementation of an IBD-based mixed-model approach for QTL mapping in multi-parental populations.

ACTIVITES DOMINANTES :

Your main tasks will be to:

- Format and control the quality of the available multiparental datasets.
- Build a consensus genetic map.
- Code a script to assess IBD-based mixed models for QTL mapping.
- Communicate the detected QTL

Your contribution will directly benefit the geneticists of the company by allowing them to increase the power to detect QTL and their resolution !

PROFIL :

You are a student in plant breeding enrolled in a Masters' degree curriculum with a major in genetics or statistics.

You must be knowledgeable of mixed modeling in quantitative genetics as well as familiar with programming , preferably under R environment.

