Administrative context:

The internship took place between the 1st of June and the 23rd of July. It took place partially on the site of INRAe, and mostly by work from home.

Scientific context:

I joined the Plant Virology team, which is led by Thierry Candresse. My internship mentors were Quynh-Trang Bui concerning the overall context and Marie Lefebvre specifically regarding bioinformatics . David Benaben tutored me on the usage of the slurm workload manager.

The internship’s aim is to study the role of TEs in genome and gene regulation in order to For this, the bioinformatics tool SQUiRE was used to detect the expression of Transposable Elements in *Prunus Armeniaca*.

Team virologie – Thierry

Mon travail se positionne dans l’Équipe de Véronique Decrocq – “Génétique, génomique et recherche translationnelle chez les espèces fruitières à noyau ”

Présenter le projet scientifique. Présenter :

-les Te: classification, surtout rôle dans l’expression des genes.

-l’abricotier : espèces cultivée/ sauvage; domestication.

réutiliser ce que quynh a utilisé pour décrire le projet du stage.

The species we focus on is Prunus Armeniaca, which exists in two different phenotypes, Wild and Cultivated. [add source]

Using SquIRE, we will be able to identify the genes that differ between these phenotypes, and link them to the mutations that led to domestication.

The need of this work was to study