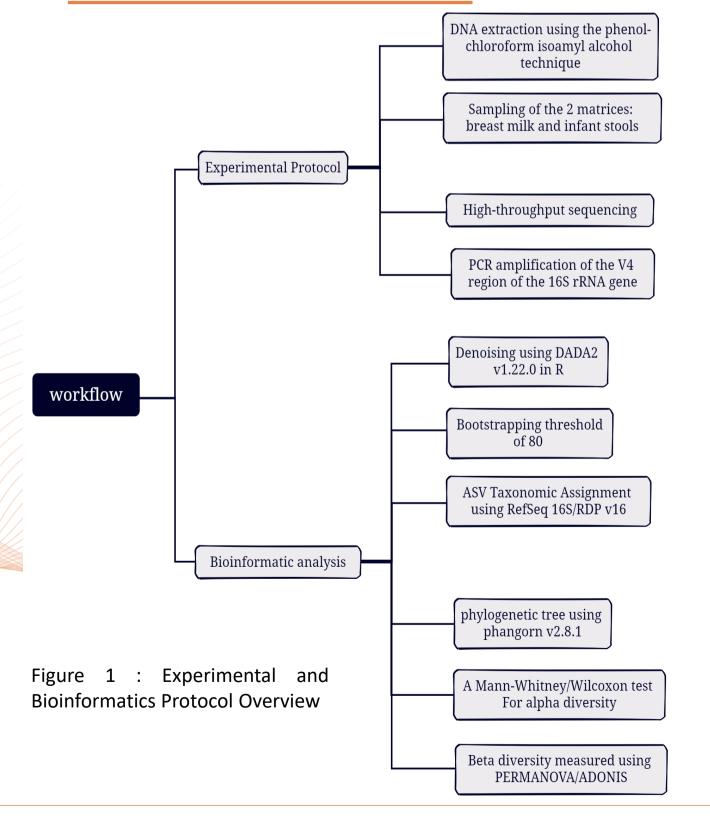


The microbiota of breast milk has a lasting impact on the microbiome of the newborn from the third day after birth

Exploration of the dynamics of the breast milk microbiota-newborn's intestinal microbiota axis using bioinformatics tools

- Characterization of the colostrum and 3day meconium microbiota.
- Compare the colostrum microbiota with the meconium microbiota.
- Exploring how colostrum influences bacterial colonization in the newborn's intestine from Day 0 to Day 3.

Materiel & Methods



Results

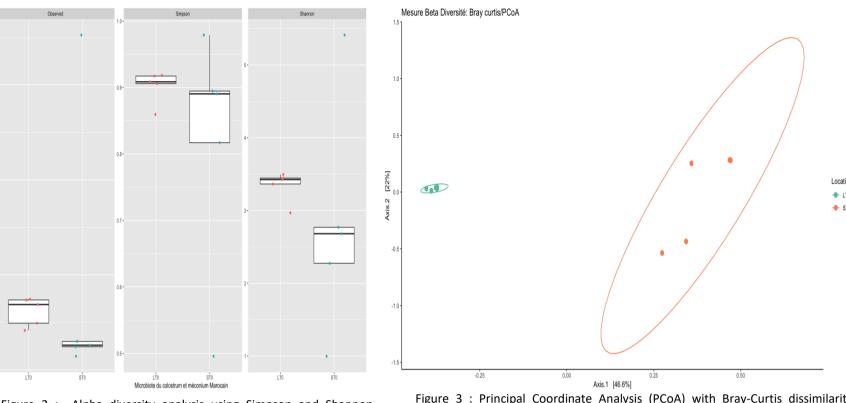


Figure 2 : Alpha diversity analysis using Simpson and Shannon indices and observed values (P-adj ≥ 0.05, Wilcoxon-Mann-Whitney test)

Figure 3: Principal Coordinate Analysis (PCoA) with Bray-Curtis dissimilarity (ADONIS: P-value = 0.01, R2 = 0.46, perm = 999). PCoA1 (axis 1) and PCoA2 (axis 2) explain 46.6% and 22% of bacterial community variance. (L: Lait maternel = Maternal Milk/S: Selles = Stool)

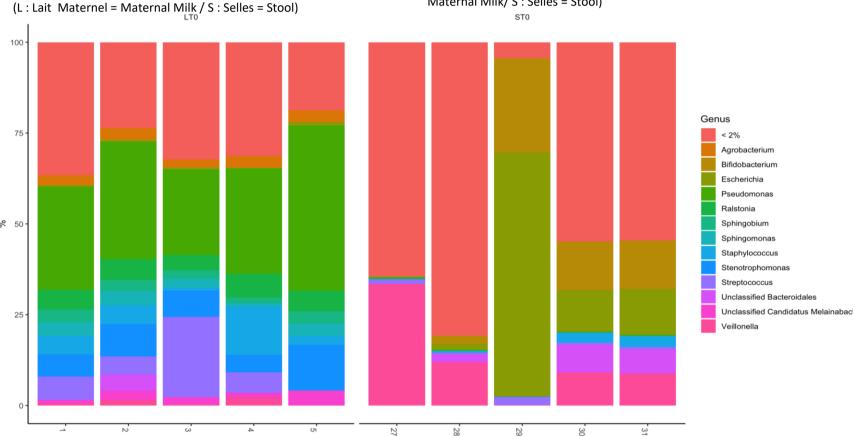


Figure 4: Bar chart of predominant genera in colostrum and meconium

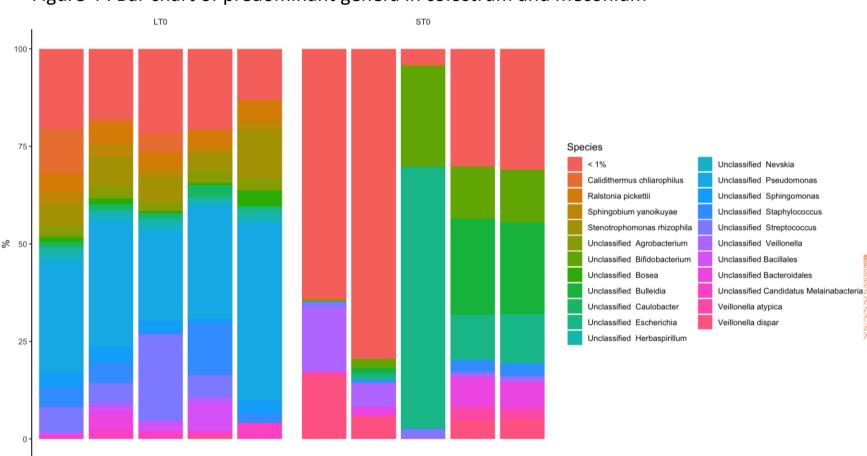


Figure 5: Bar chart of predominant species in colostrum and meconium