

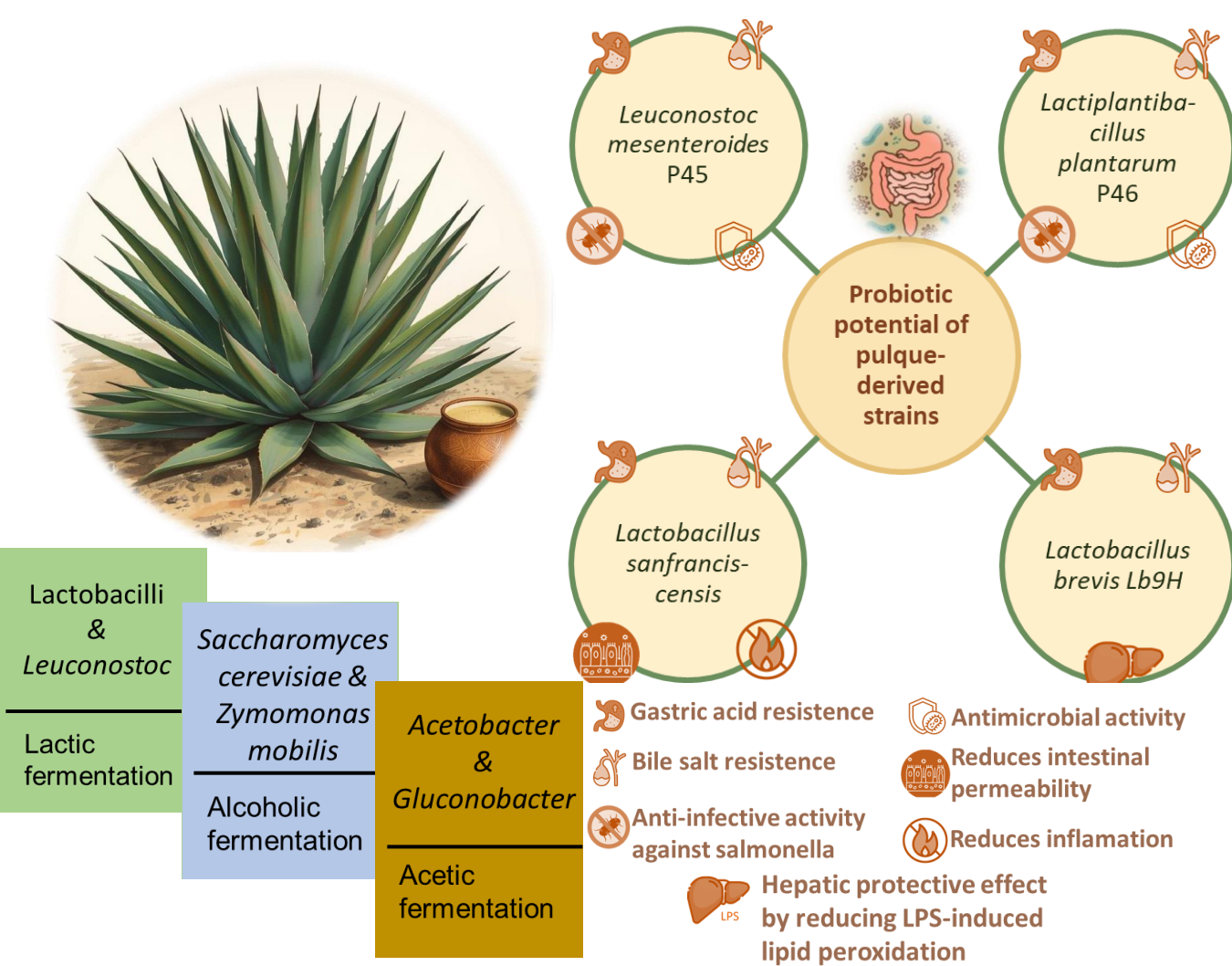
Effect of pulque-derived microbiota with probiotic potential on metabolism and gut microbiota composition in a murine model

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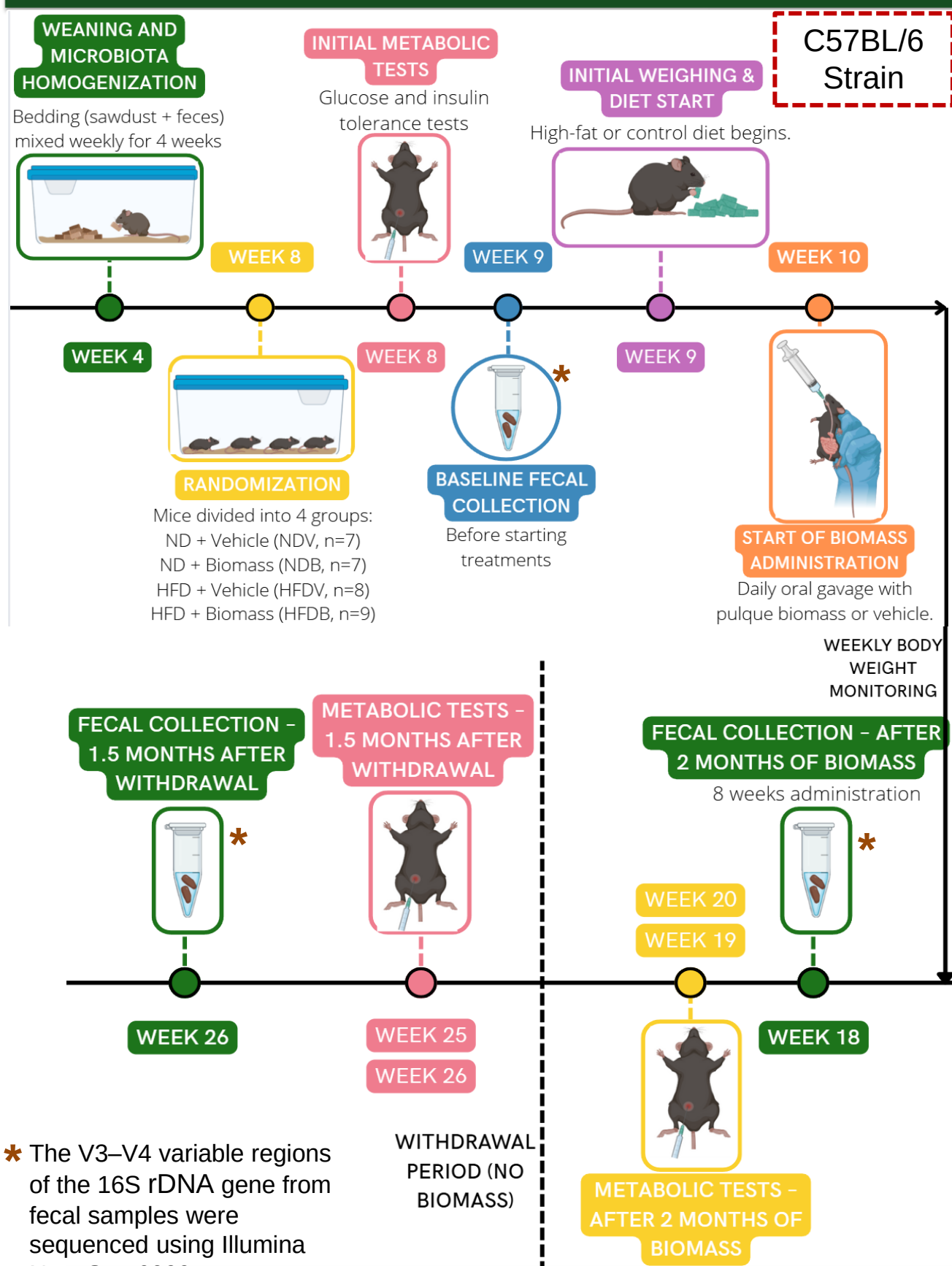
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INTRODUCTION & AIM



The aim of this study is to evaluate how pulque microbiota administration influences metabolic responses and gut microbial composition in high-fat-diet (HFD) mice

METHOD



RESULTS & DISCUSSION

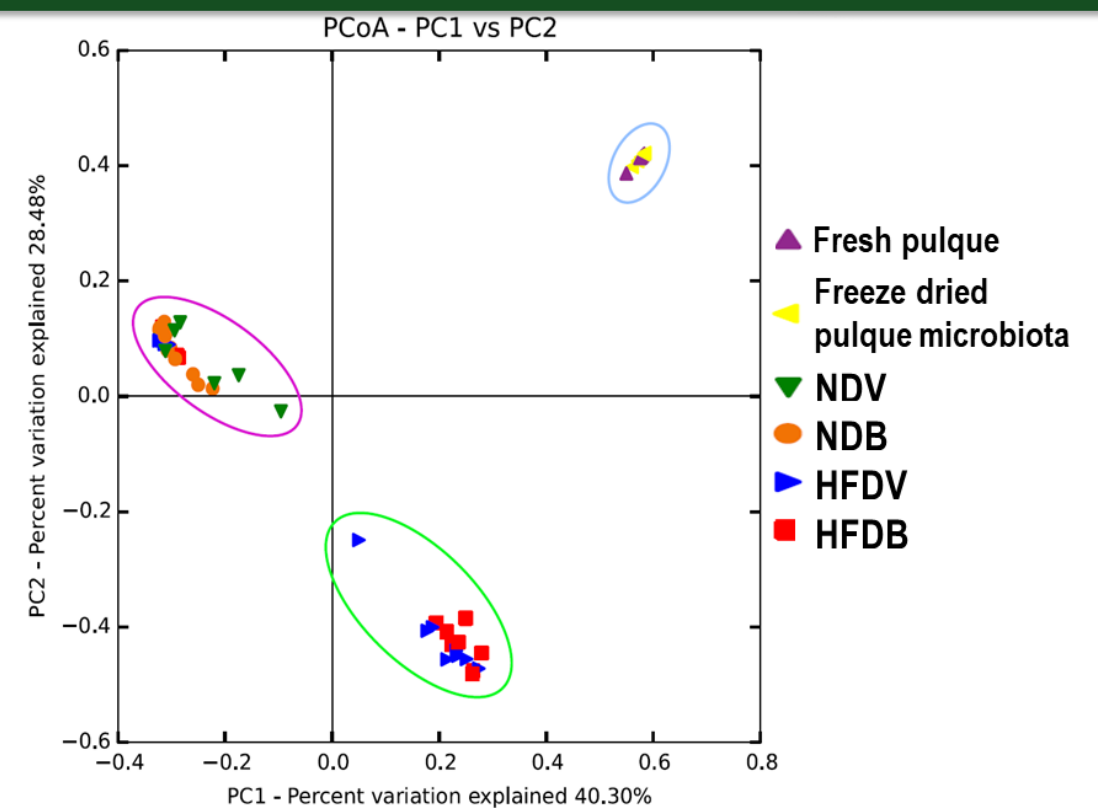


Fig 1. PCoA (Bray–Curtis) of bacterial beta diversity in pulque, lyophilizates, and feces. NDV, NDB, HFDV, HFDB as indicated in method.

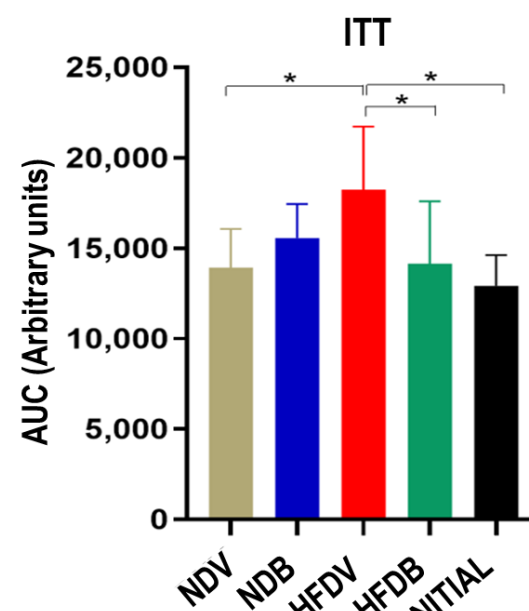


Fig 2. ITT at baseline and after 2 months.

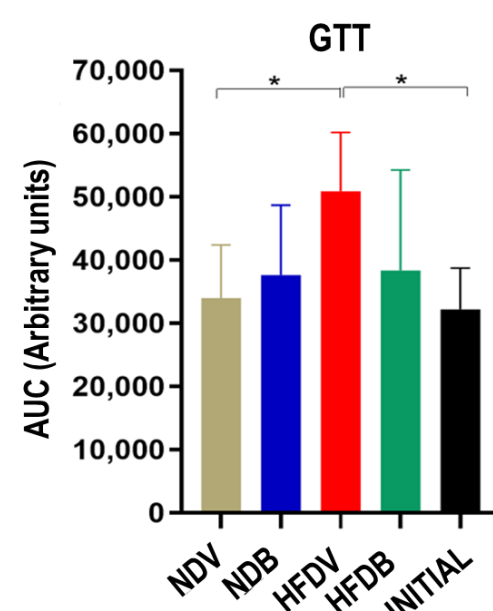


Fig 3. GTT at baseline and after 2 months.

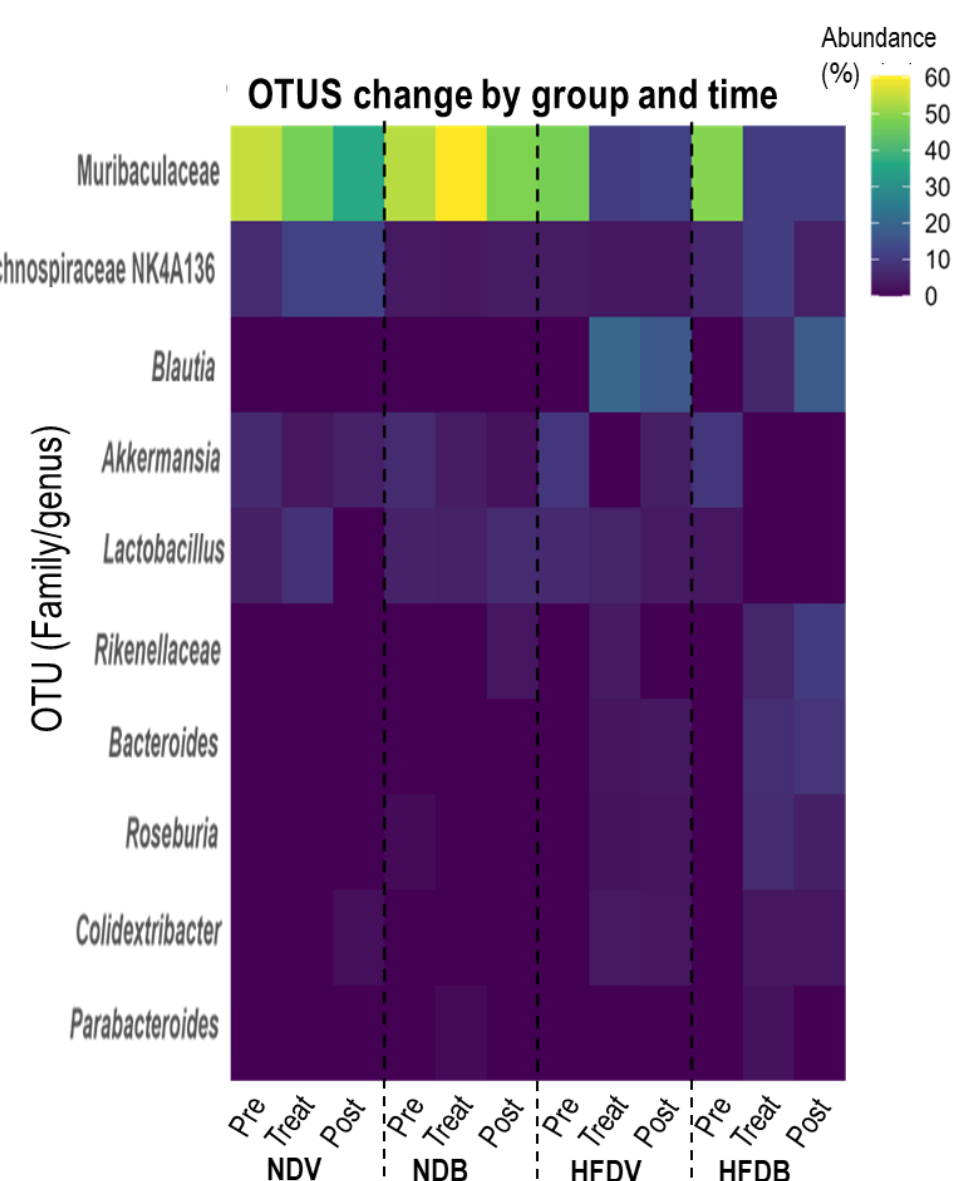


Fig 4. Relative OTU abundance shifts across treatment time points by diet

CONCLUSION

Diet shaped the gut microbiome; pulque biomass fine-tuned it, improving insulin sensitivity in high-fat-fed mice.

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