

Exploring the Milk Microbiome and its Impact on Mastitis Susceptibility and Inflammatory Responses in Dairy Cattle

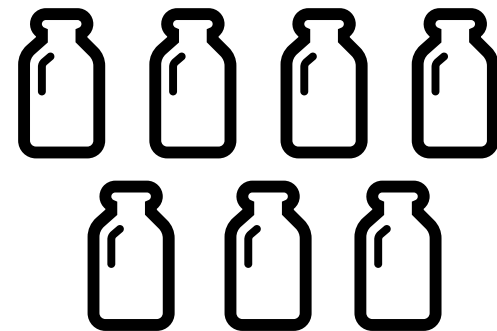


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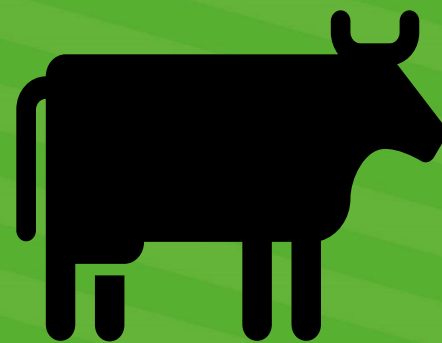


2022



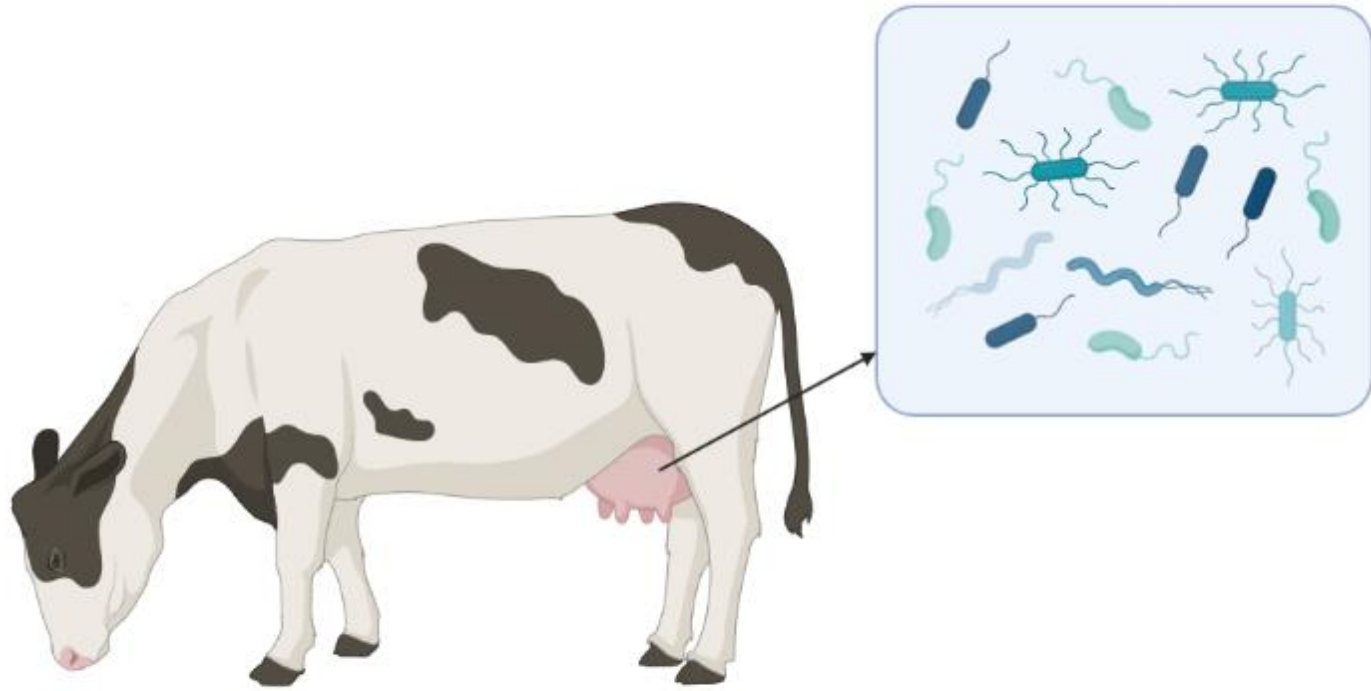


Unsaleable
milk has
increasingly
greater
impact

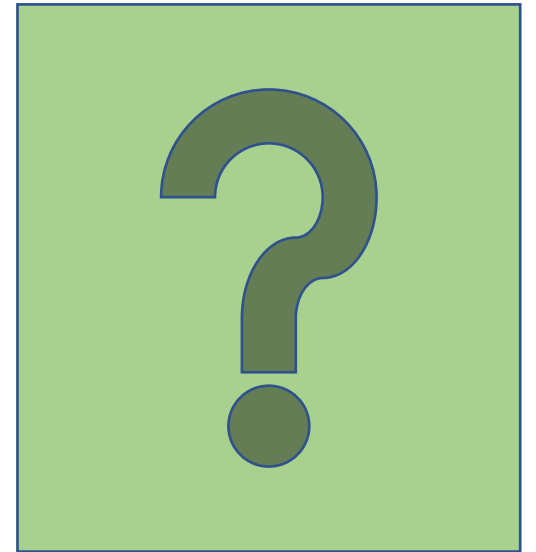


Mastitis





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Objectives of Project

Explore Core Milk
Microbiome

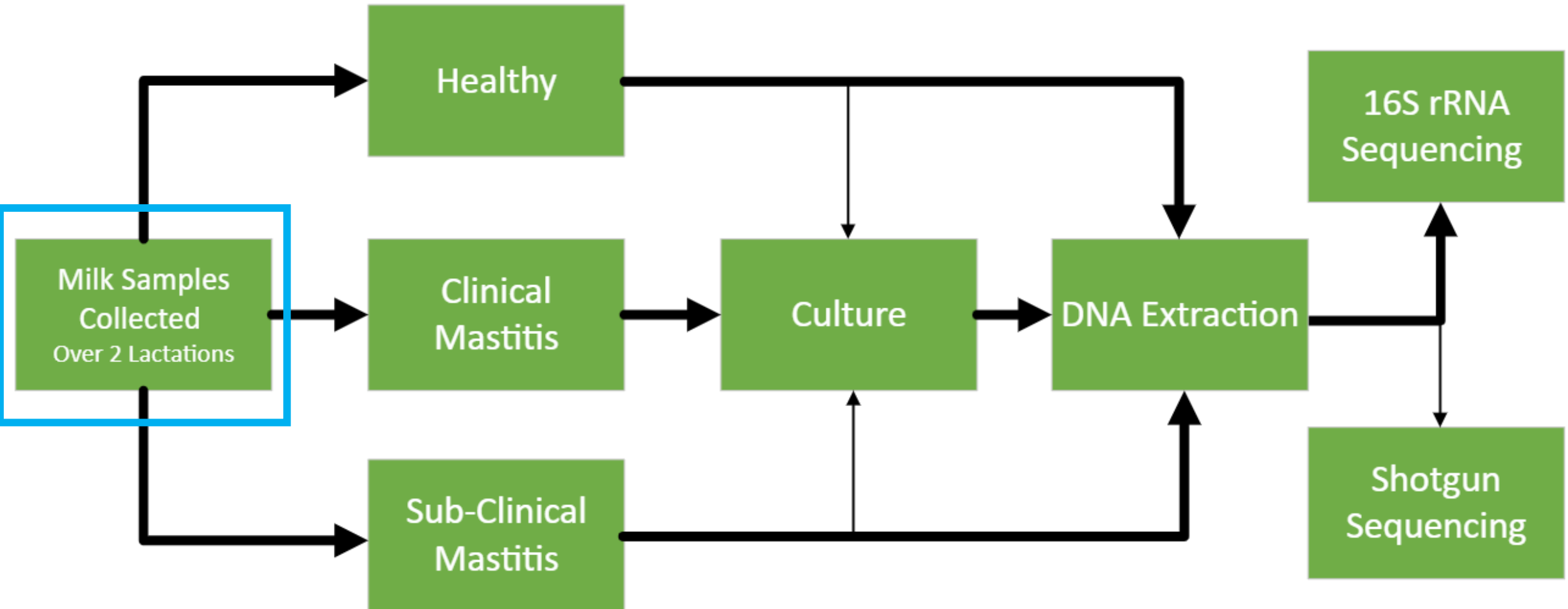
Explore Fungal Milk
Microbiome

Differences in Microbiome

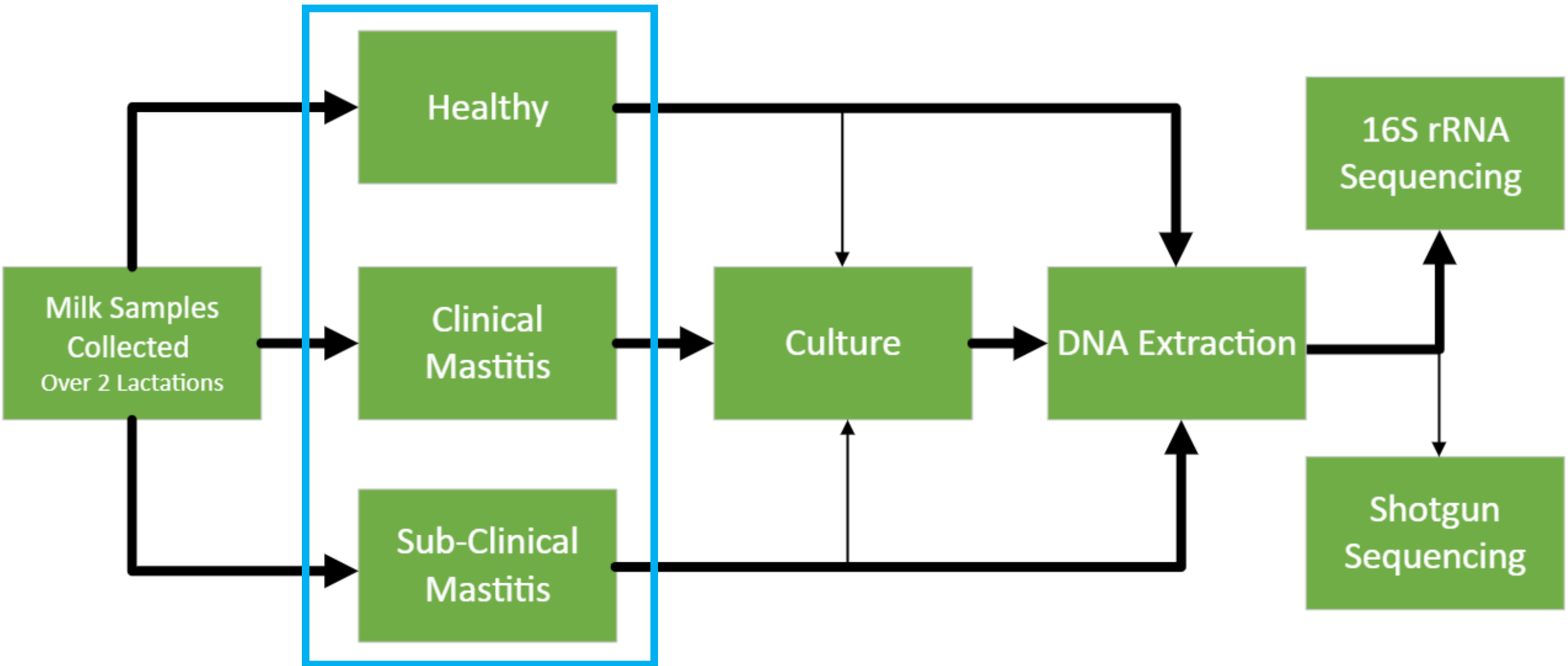
- Healthy
- Clinical Mastitis
- Sub-Clinical Mastitis
 - Genetics
 - Feed

Urinary Glucose and
Haptoglobin Mastitis
Biomarkers

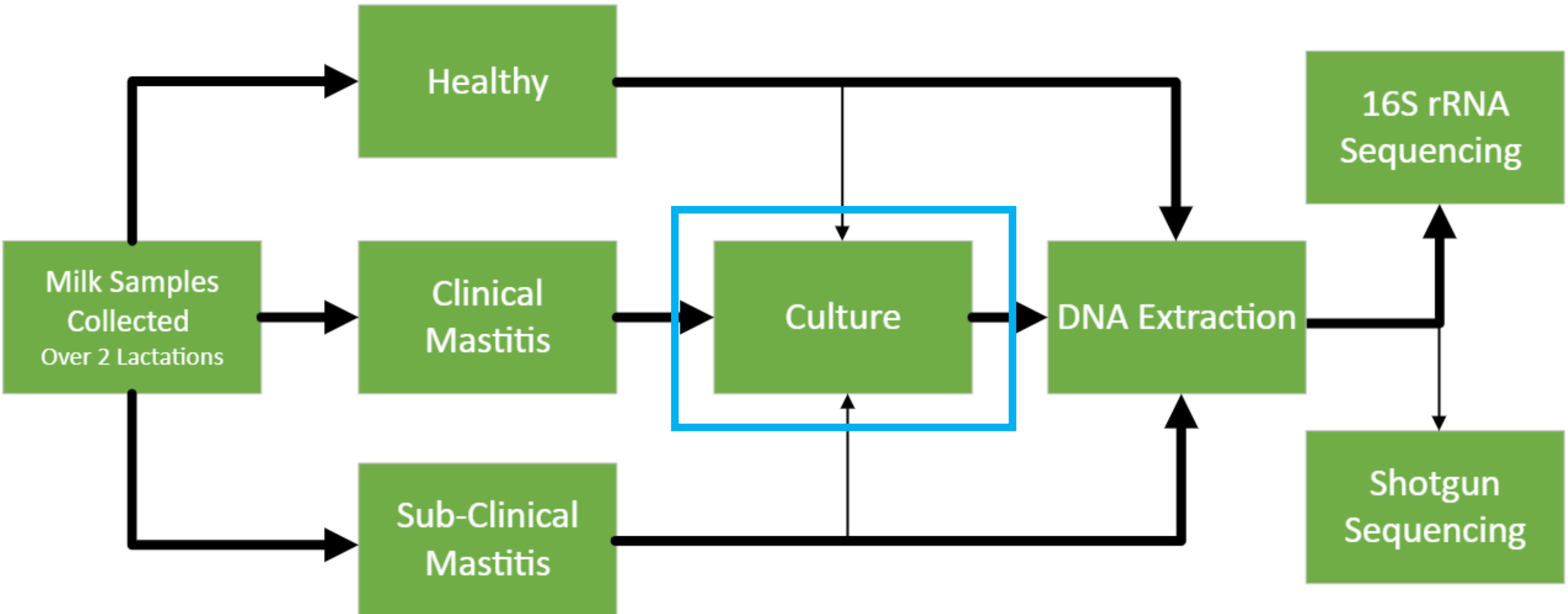
Project Plan



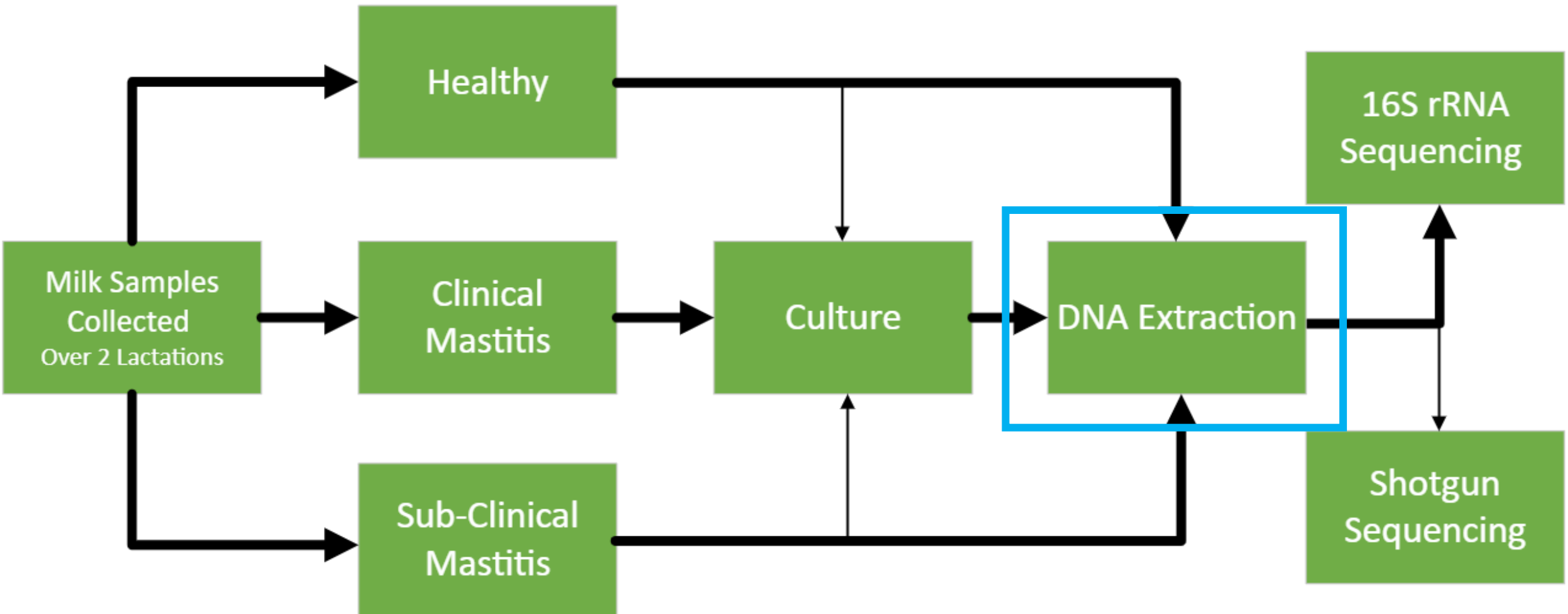
Project Plan



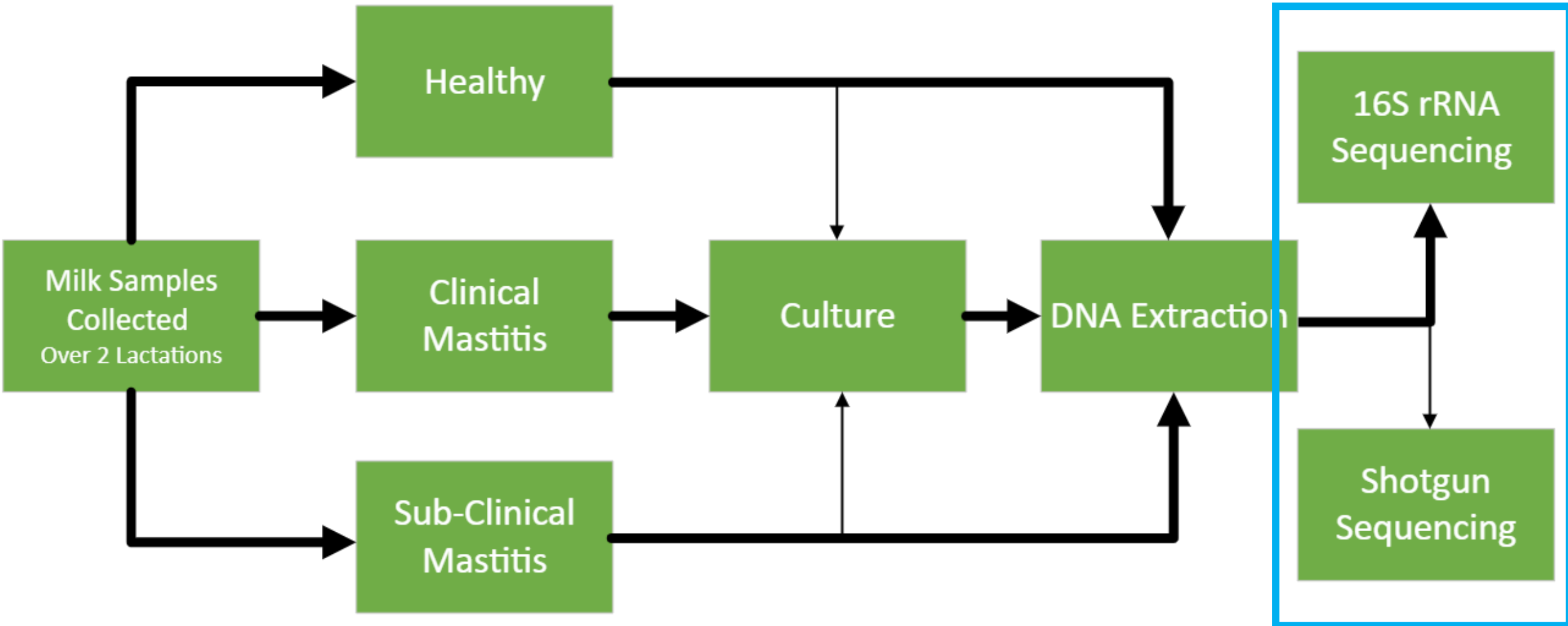
Project Plan



Project Plan



Project Plan



Potential Impact

- Biomarker for Mastitis
 - Earlier Intervention
 - Increased Welfare
 - Reduced Economic Loss
 - Reduced Antibiotic Usage



Thank you for listening

Any questions?

