

Microbial diversity profiling and taxonomy evaluation of macropods; An exploration to identify novel host specific MST targets within SEQ waterways

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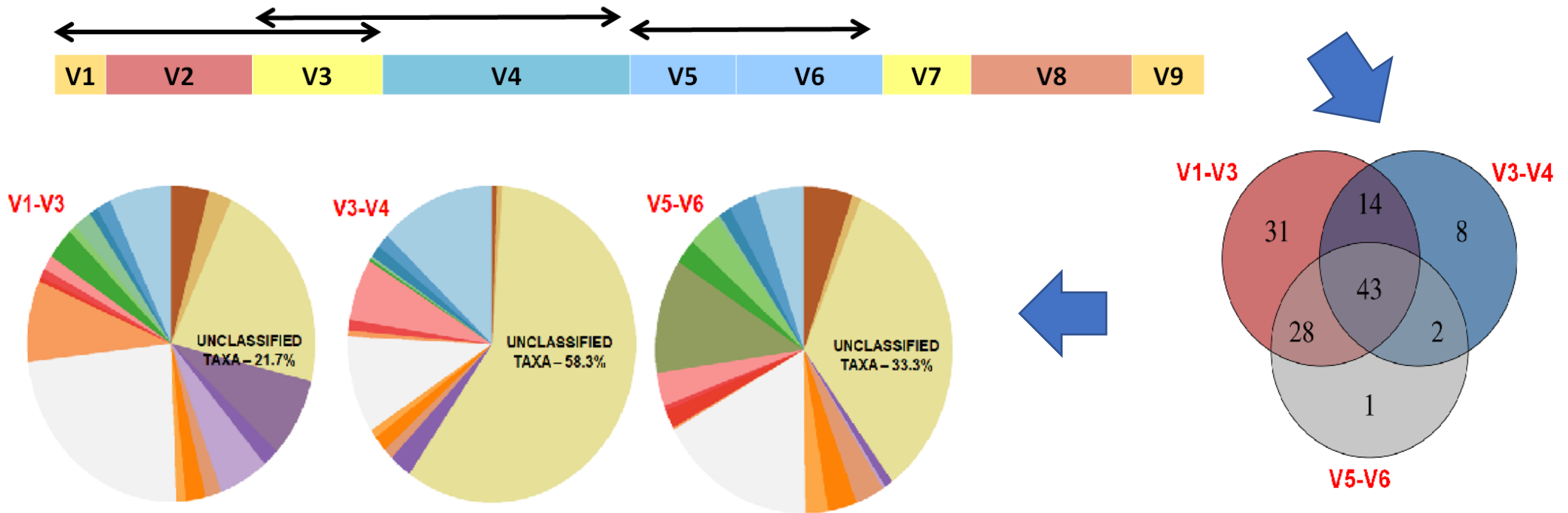
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MST to trace the source of faecal contamination of surface waters uses novel host-specific targets (HST).

HST should:

- Be part of the intestinal microbiota of humans and specific animal species.
- Be present in great numbers.
- Be resistant to environmental stressors.
- Be detectable by means of quantifying methods, and the organism itself should be non-pathogenic.

16S rRNA sequencing is used to identify /quantify bacterial taxa of the gut. However, using the right hypervariable region is a key element.





Thank you