

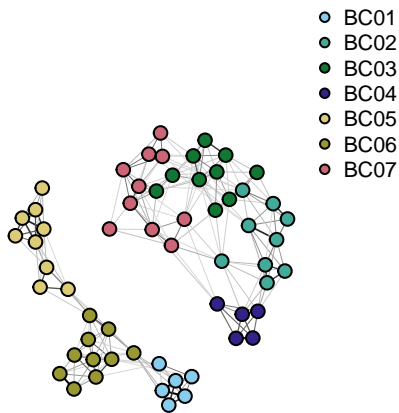
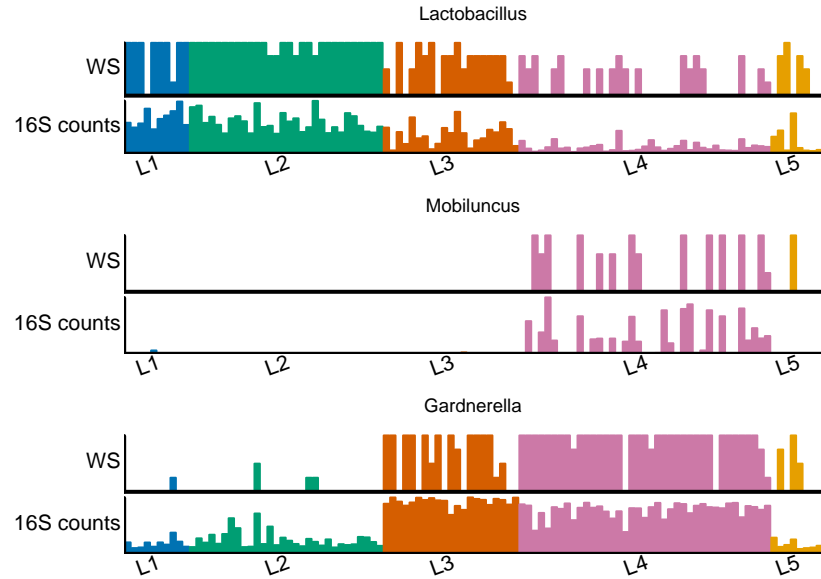
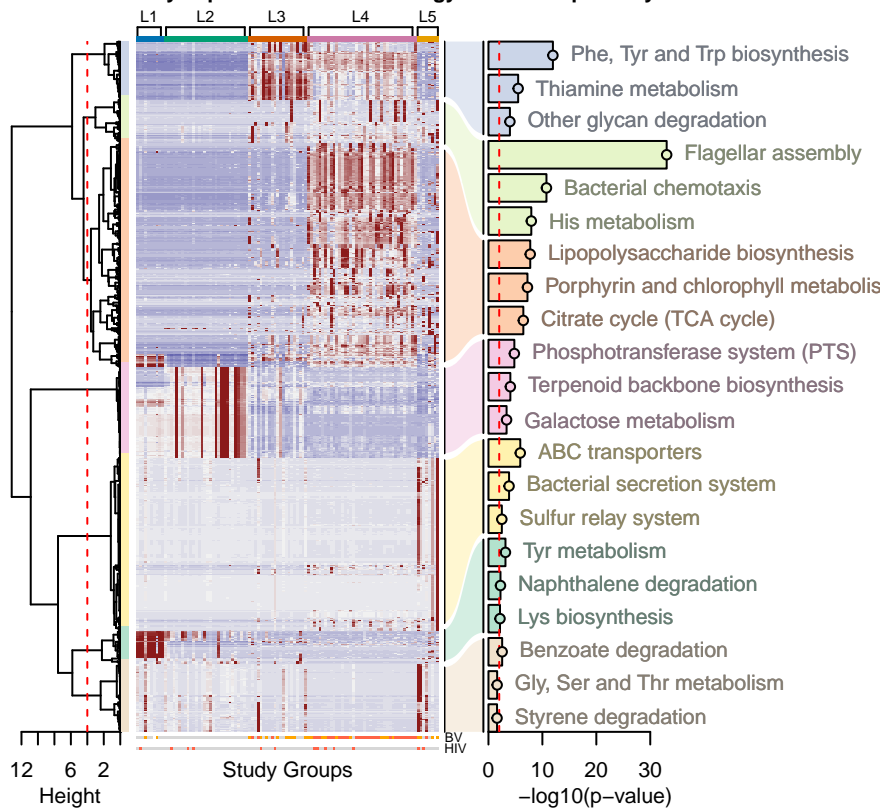
Figure 2. Bacterial Communities and Function

```
## [[1]]  
## NULL  
##  
## $'#0072B2'  
## NULL  
##  
## $'#009E73'  
## NULL  
##  
## $'#D55E00'  
## NULL  
##  
## $'#CC79A7'  
## NULL
```

```
## [[1]]  
## NULL  
##  
## $'#0072B2'  
## NULL  
##  
## $'#009E73'  
## NULL  
##  
## $'#D55E00'  
## NULL  
##  
## $'#CC79A7'  
## NULL
```

```
## [[1]]  
## NULL  
##  
## [[2]]  
## NULL
```

```
## [1] ""
```

a**Bacterial Communities– Louvain****b****Wet Smear Bacteria Validation****c****Differentially expressed KEGG Ontology terms and pathways****d****Top Functional Profile– UMAP**