

# Spatial division of labor along villi of the small intestine

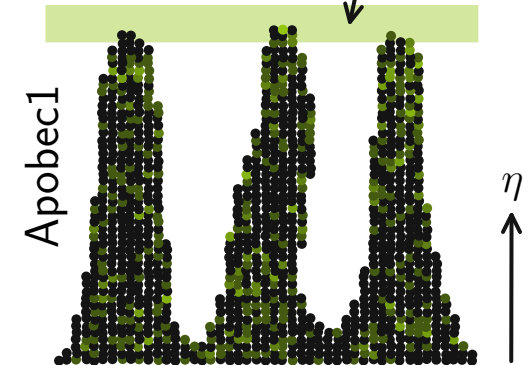
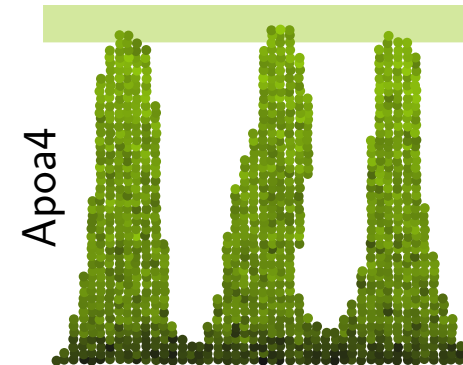
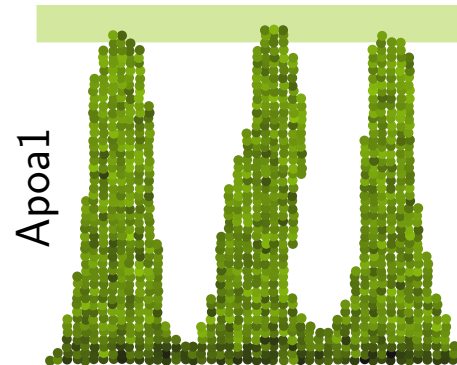
enterocyte  
task

mean expression of  
task-related genes

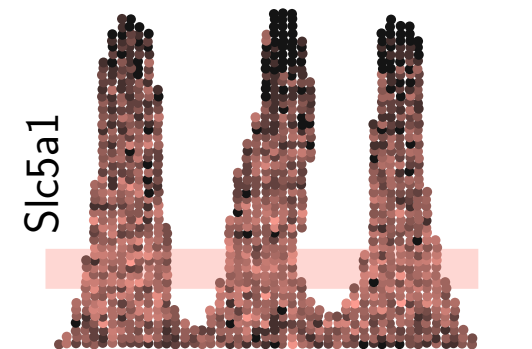
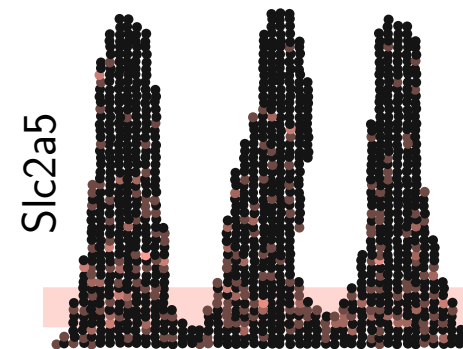
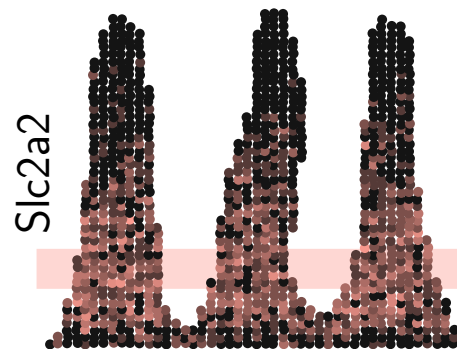
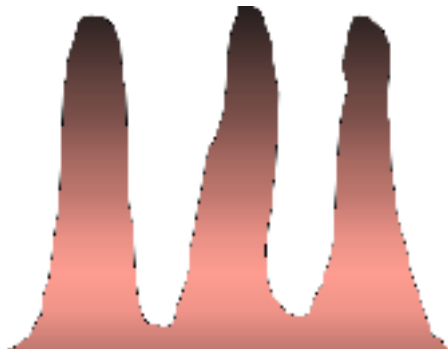
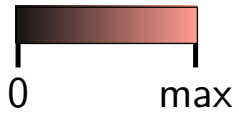
expression of individual task-related genes in single cells

$\eta$  (max expression)

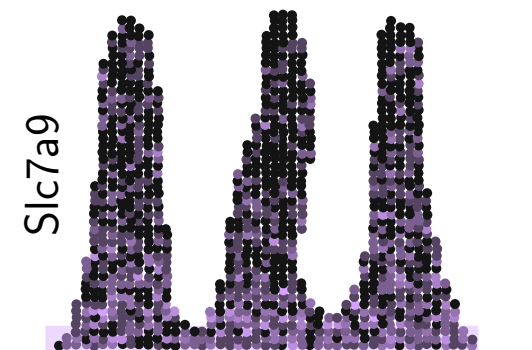
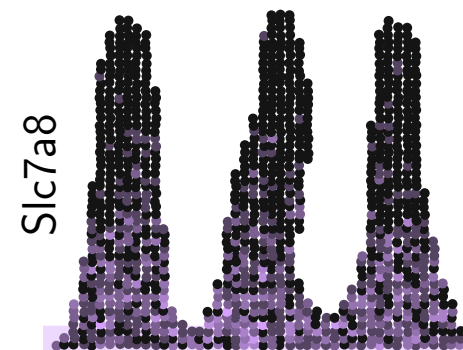
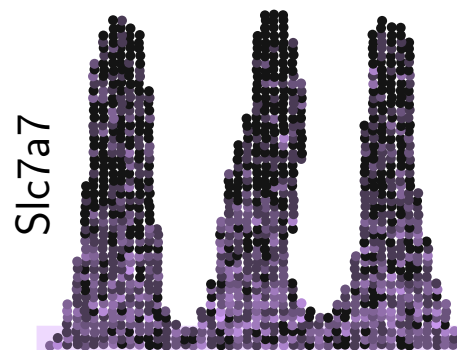
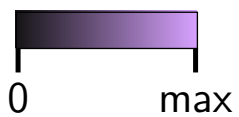
Lipid  
uptake



Carbohydrate  
uptake



Amino acid  
uptake



Bacterial  
defense

