(a) Annual plant # of cases true negative false positive false negative true positive 200000 $\mathop{\bf Z}_{-40}^{-20}$ 150000 100000 -60 50000 60 -60 -60-3030 60 -60 -300 30 -300 30 60 -60 -300 30 60 PC1 (b) Human gut true negative false positive false negative true positive # of cases 800 5.0 600 2.5 400 0.0 200 -2.5 -2.5 0.0 -2.5 0.0 2.5 5.0 2.5 5.0 -2.5 0.0 2.5 5.0 -2.5 0.0 2.5 PC1 (c) Mouse gut true negative false positive false negative true positive 5.0 # of cases 300 2.5



