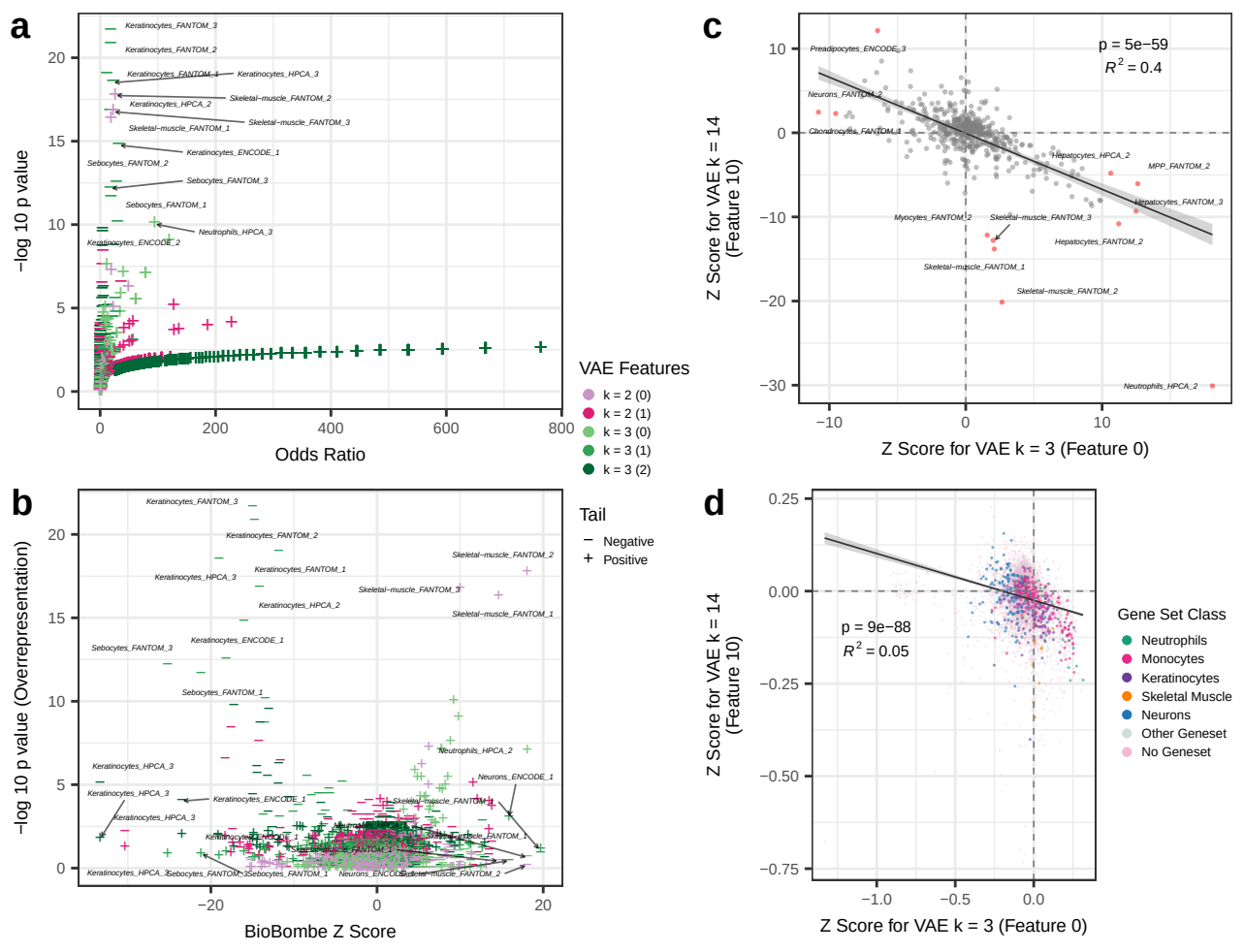
a
−log 10 p value
Odds Ratio
Keratinocytes_FANTOM_3
Keratinocytes_FANTOM_2
Keratinocytes_FANTOM_1
Keratinocytes_HPCA_3
Keratinocytes_HPCA_2
Skeletal−muscle_FANTOM_2
Skeletal−muscle_FANTOM_3
Skeletal−muscle_FANTOM_1
Keratinocytes_ENCODE_1
Sebocytes_FANTOM_2
Sebocytes_FANTOM_3
Sebocytes_FANTOM_1
Neutrophils_HPCA_3
Keratinocytes_ENCODE_2
VAE Features
k = 2 (0)
k = 2 (1)
k = 3 (0)
k = 3 (1)
k = 3 (2)
b
−log 10 p value (Overrepresentation)
BioBombe Z Score
Tail
− Negative
+ Positive
c
p = 5e−59
R^2 = 0.4
Z Score for VAE k = 14 (Feature 10)
Z Score for VAE k = 3 (Feature 0)
Preadipocytes_ENCODE_3
Neurons_FANTOM_2
Chondrocytes_FANTOM_1
Hepatocytes_HPCA_2
MPP_FANTOM_2
Hepatocytes_FANTOM_3
Myocytes_FANTOM_2
Skeletal−muscle_FANTOM_3
Hepatocytes_FANTOM_2
Skeletal−muscle_FANTOM_1
Skeletal−muscle_FANTOM_2
Neutrophils_HPCA_2
d
p = 9e−88
R^2 = 0.05
Z Score for VAE k = 14 (Feature 10)
Z Score for VAE k = 3 (Feature 0)
Gene Set Class
Neutrophils
Monocytes
Keratinocytes
Skeletal Muscle
Neurons
Other Geneset
No Geneset