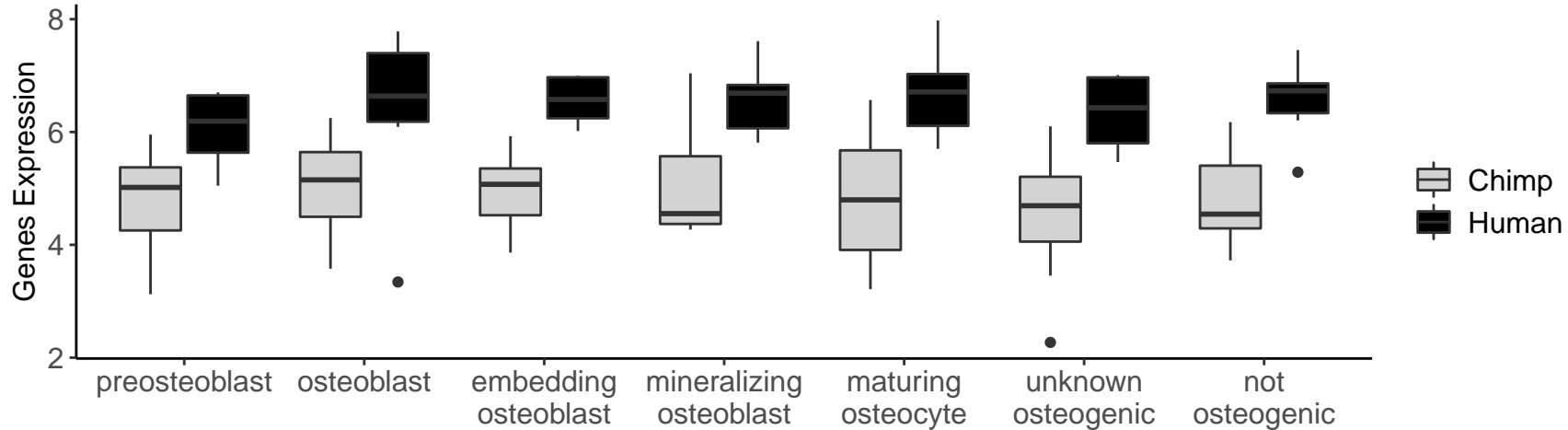
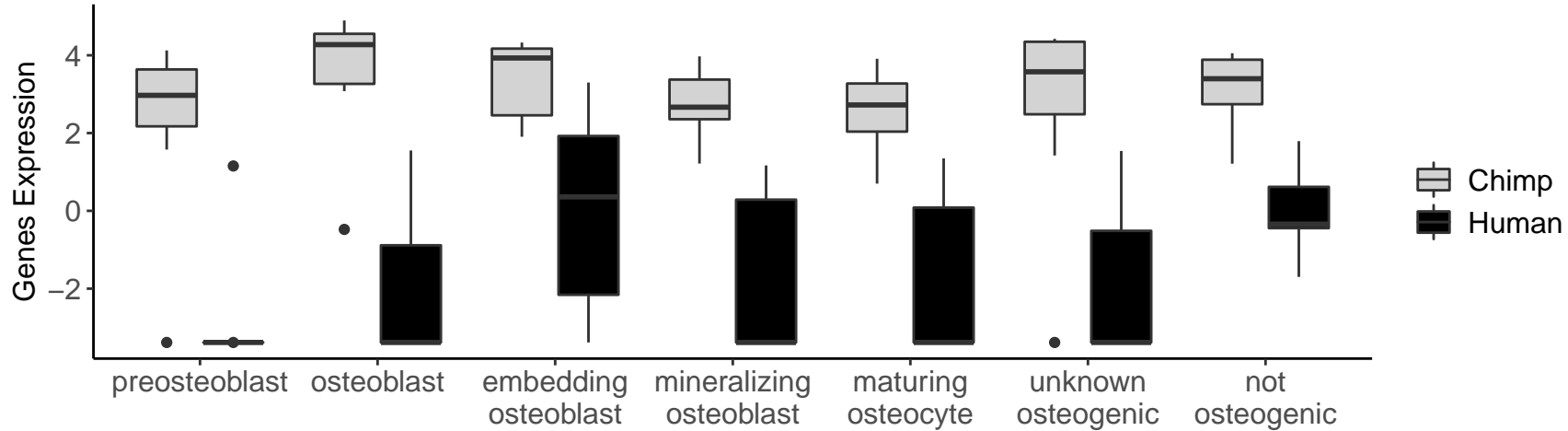


# AFAP1



# APOBEC3G



# ARID3B

Genes Expression

4  
2  
0  
-2

preosteoblast

osteoblast

embedding  
osteoblast

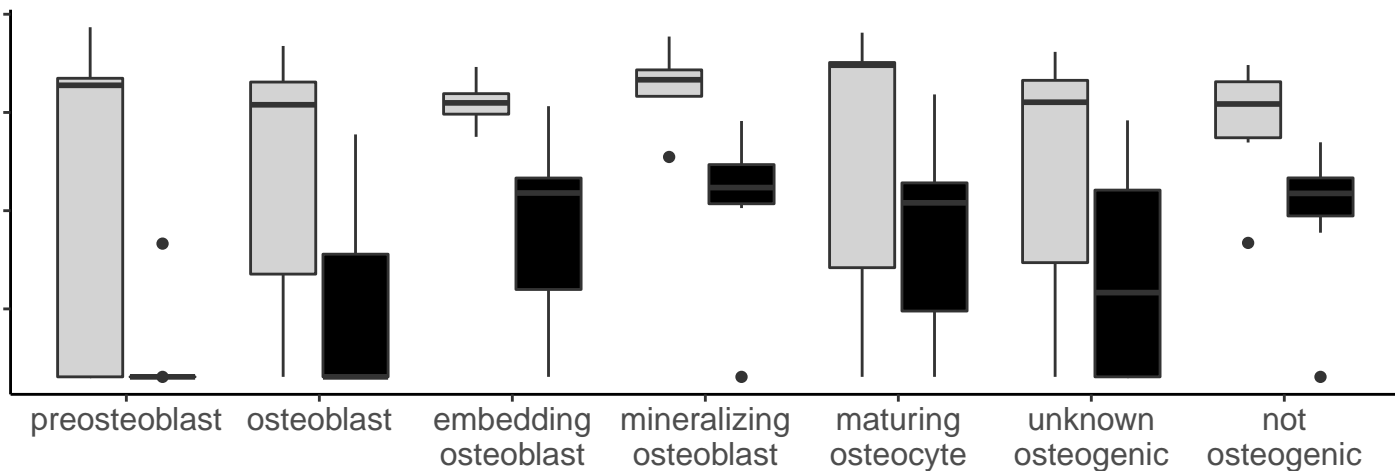
mineralizing  
osteoblast

maturing  
osteocyte

unknown  
osteogenic

not  
osteogenic

Chimp  
Human



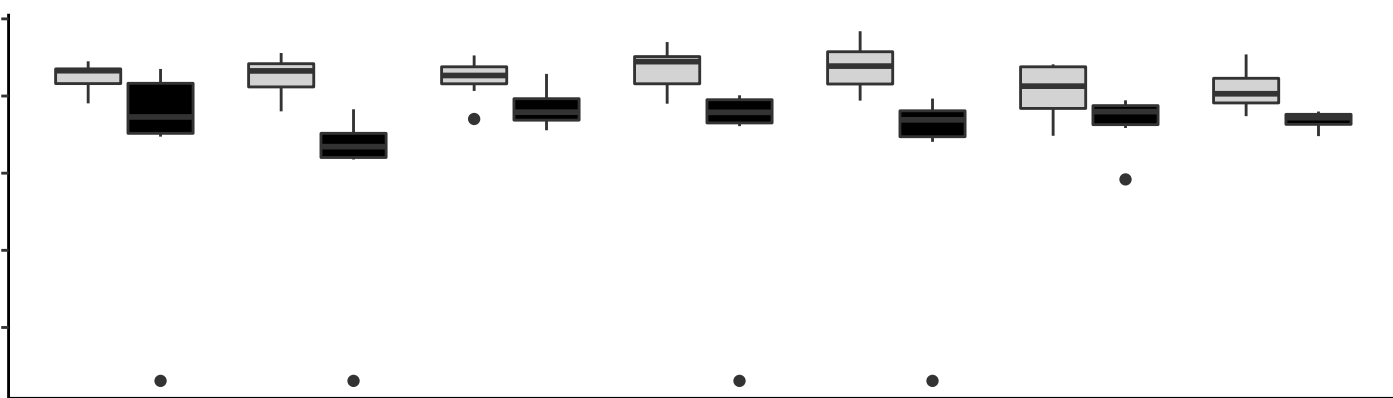
# ATG2A

Genes Expression

6  
4  
2  
0  
-2

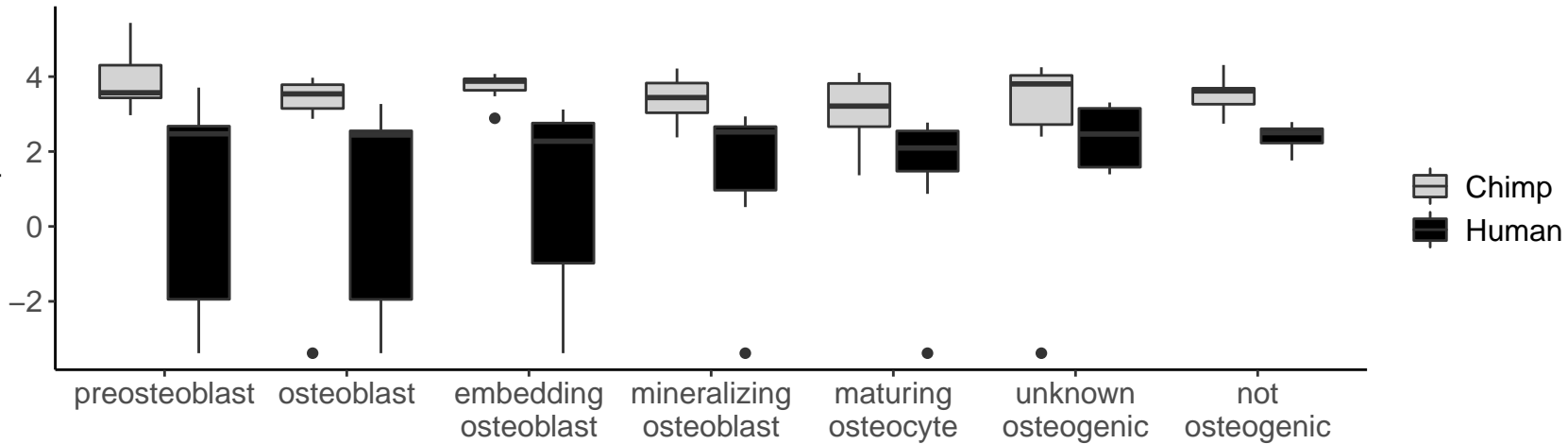
preosteoblast osteoblast embedding  
osteoblast mineralizing  
osteoblast maturing  
osteocyte unknown  
osteogenic not  
osteogenic

Chimp  
Human

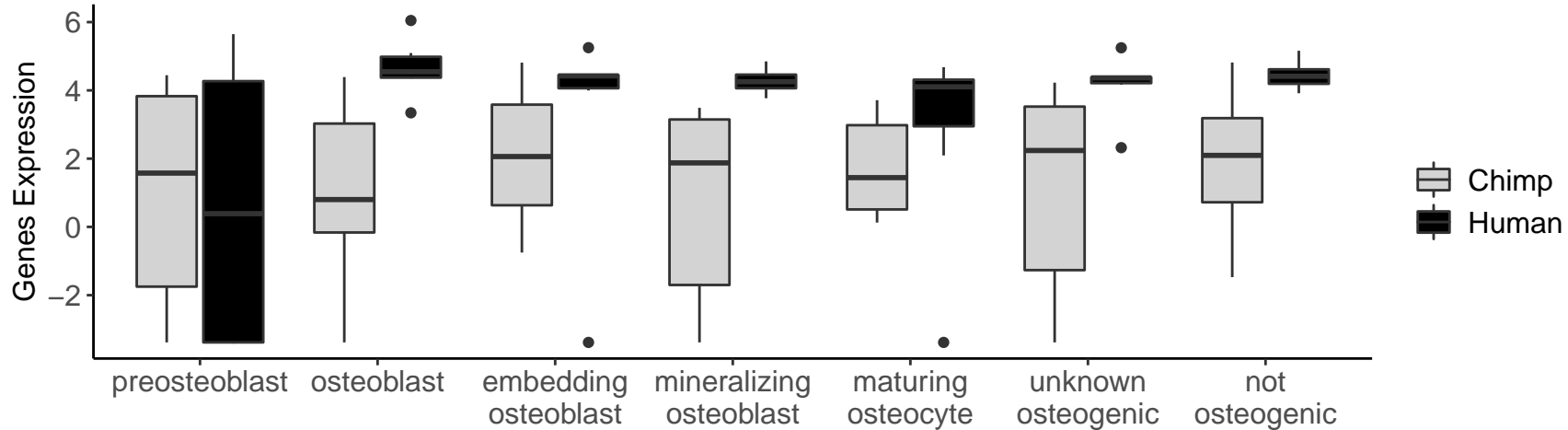


BBS12

Genes Expression



# BMERB1



BORA

Genes Expression

4  
2  
0  
-2

preosteoblast

osteoblast

embedding  
osteoblast

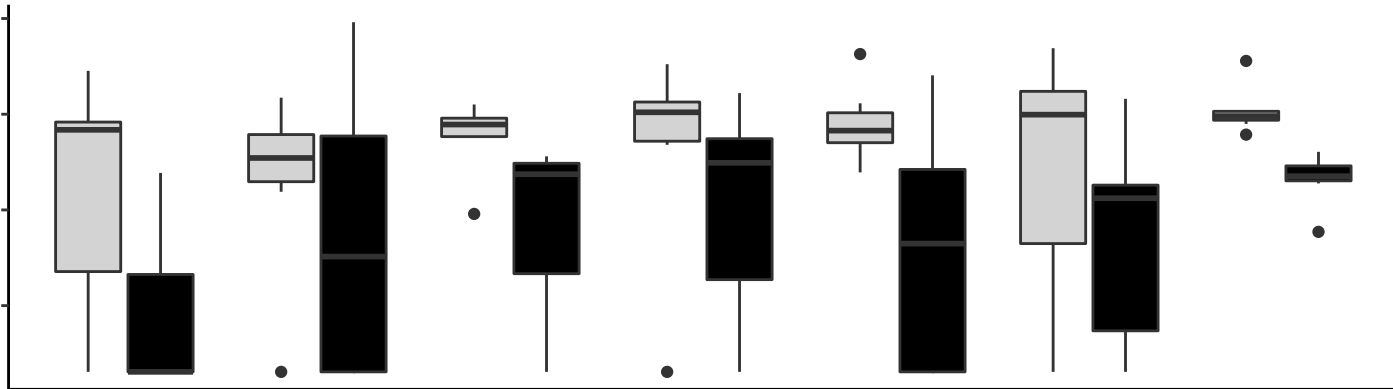
mineralizing  
osteoblast

maturing  
osteocyte

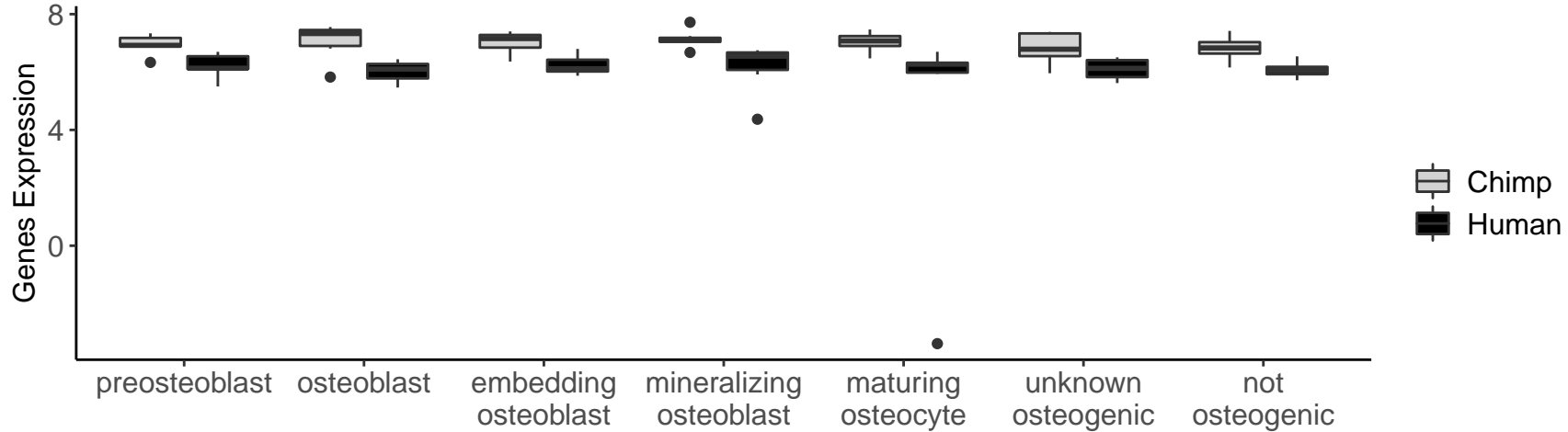
unknown  
osteogenic

not  
osteogenic

Chimp  
Human

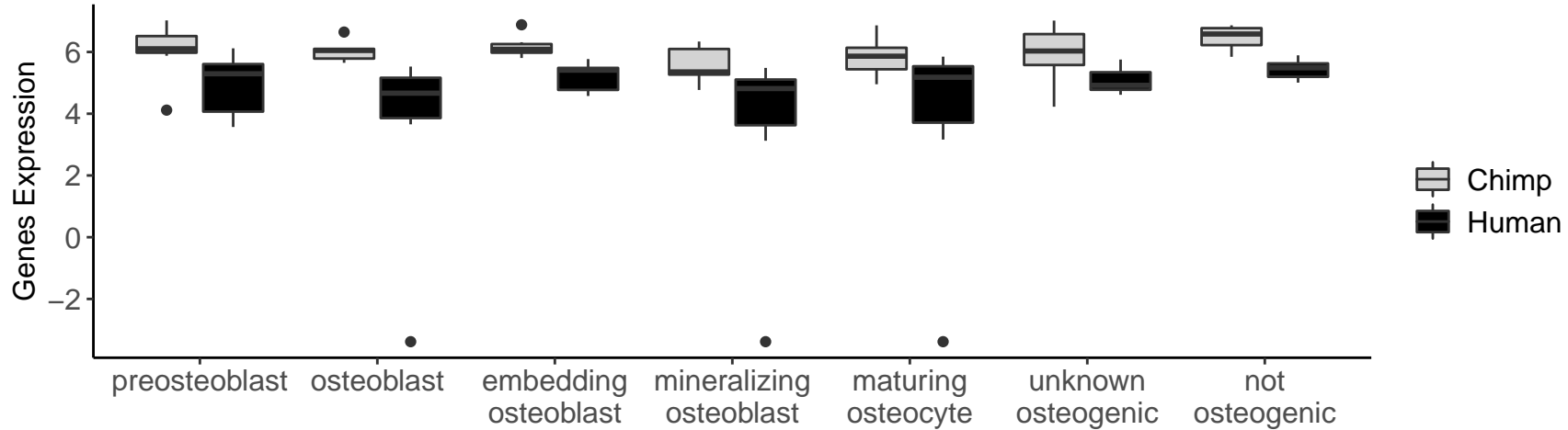


## BRD2

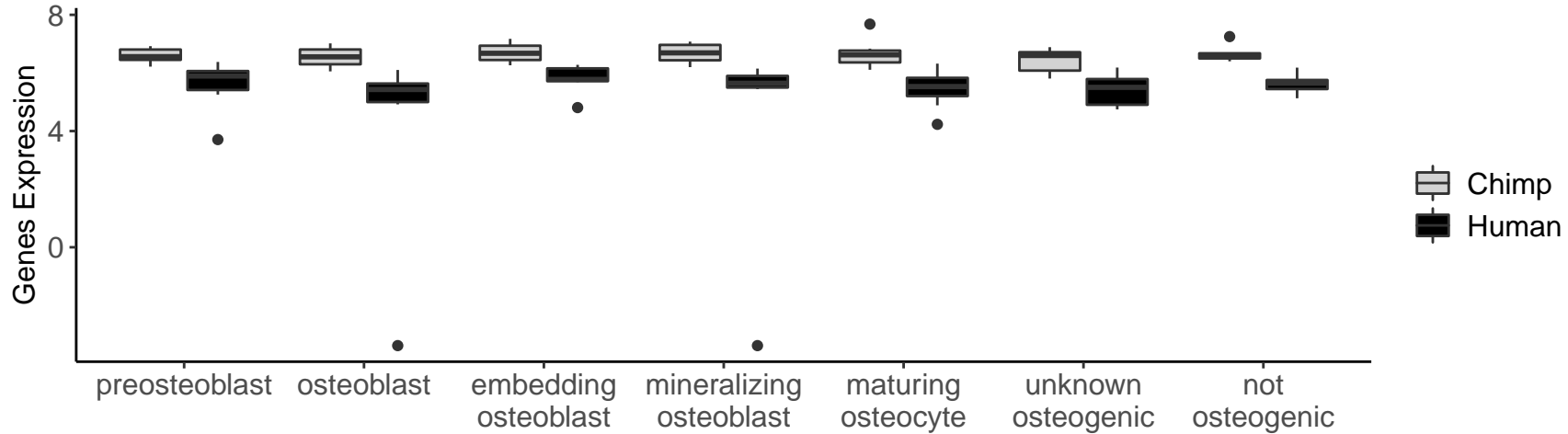




C3orf14



## CAMK2D



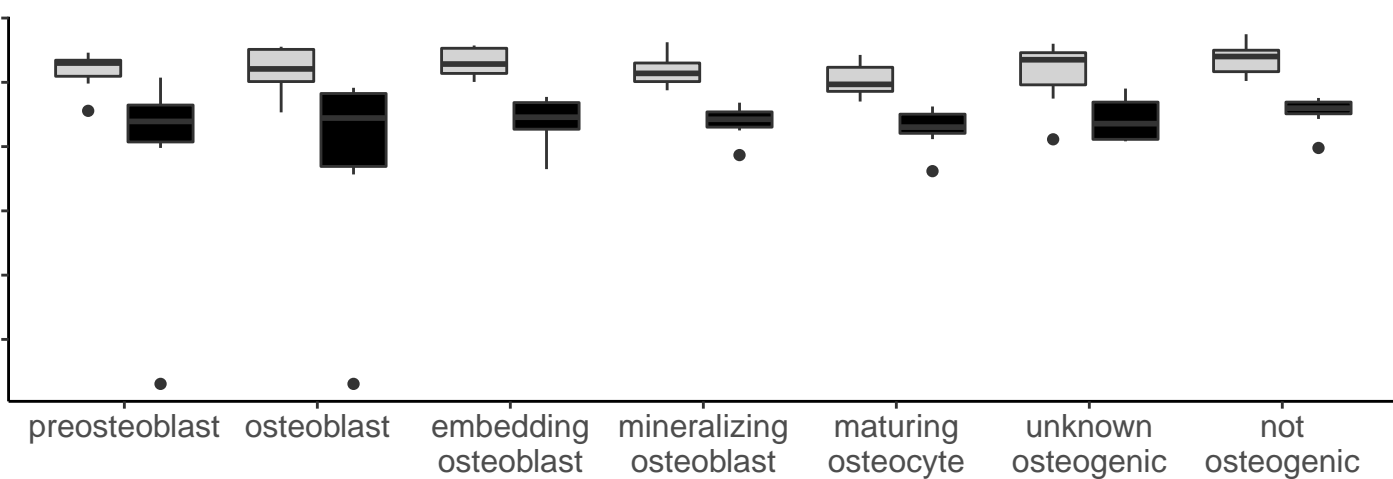
# CASP4

Genes Expression

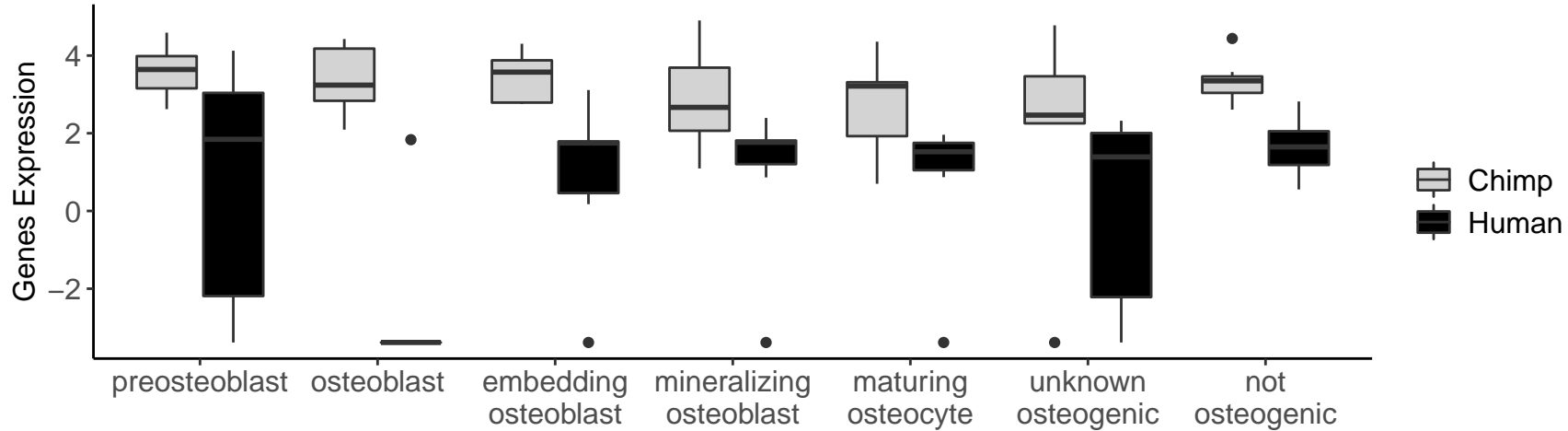
8  
6  
4  
2  
0  
-2

preosteoblast osteoblast embedding  
osteoblast mineralizing  
osteoblast maturing  
osteocyte unknown  
osteogenic not  
osteogenic

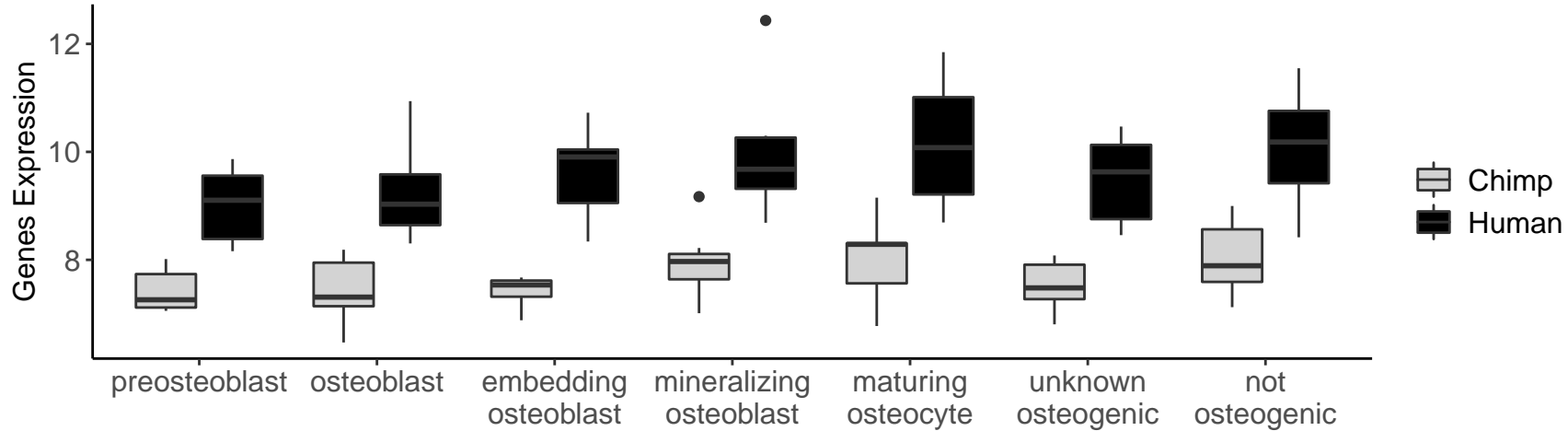
Chimp  
Human



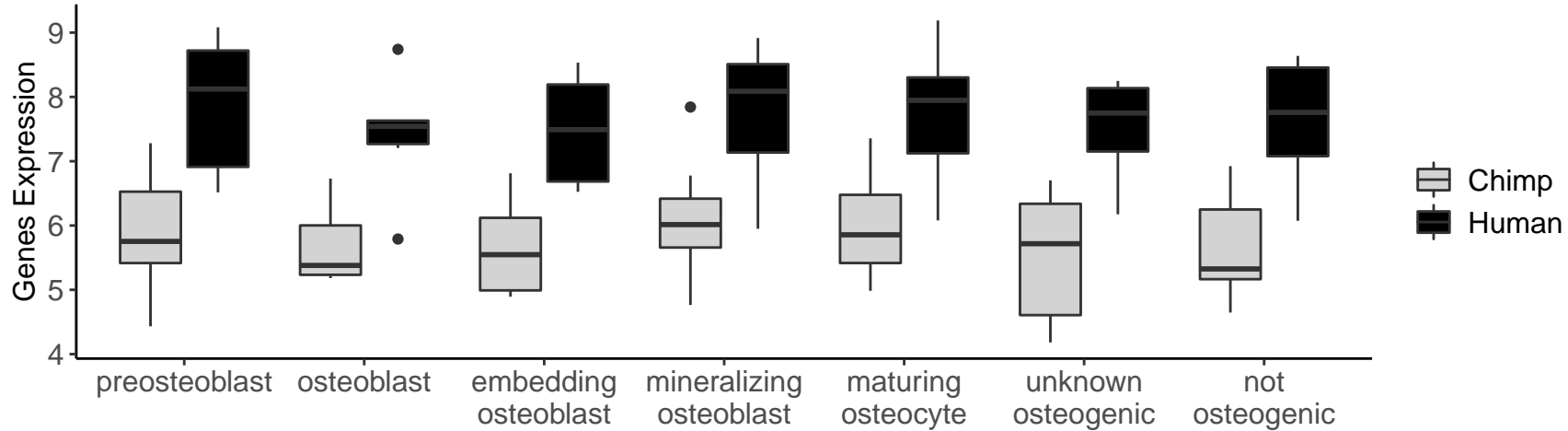
CCDC121



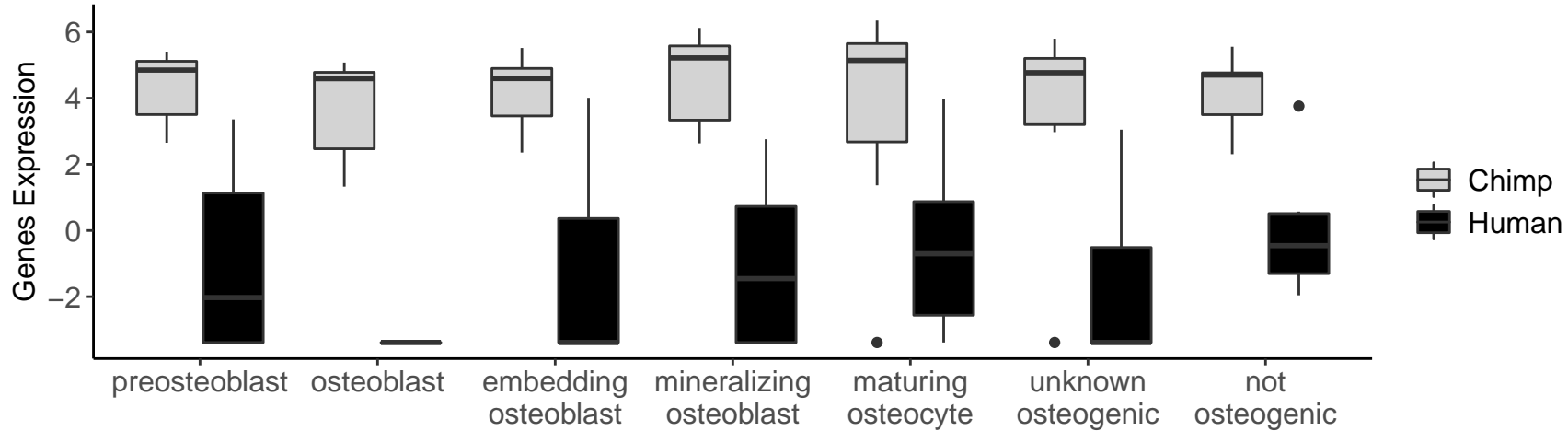
## CCND1



# CDK6

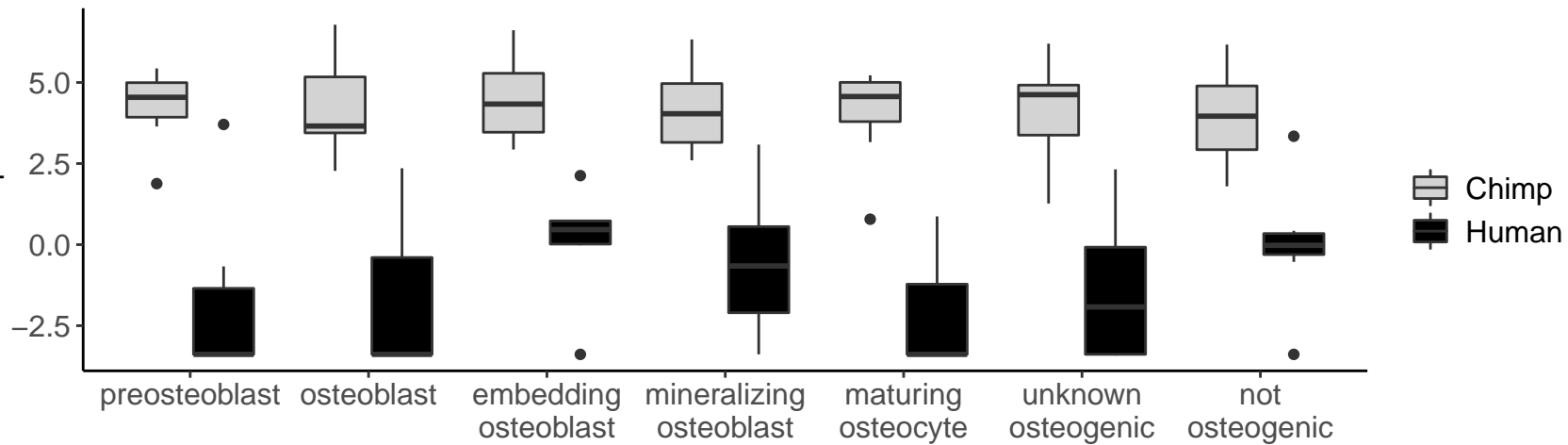


# CSGALNACT1



CTSV

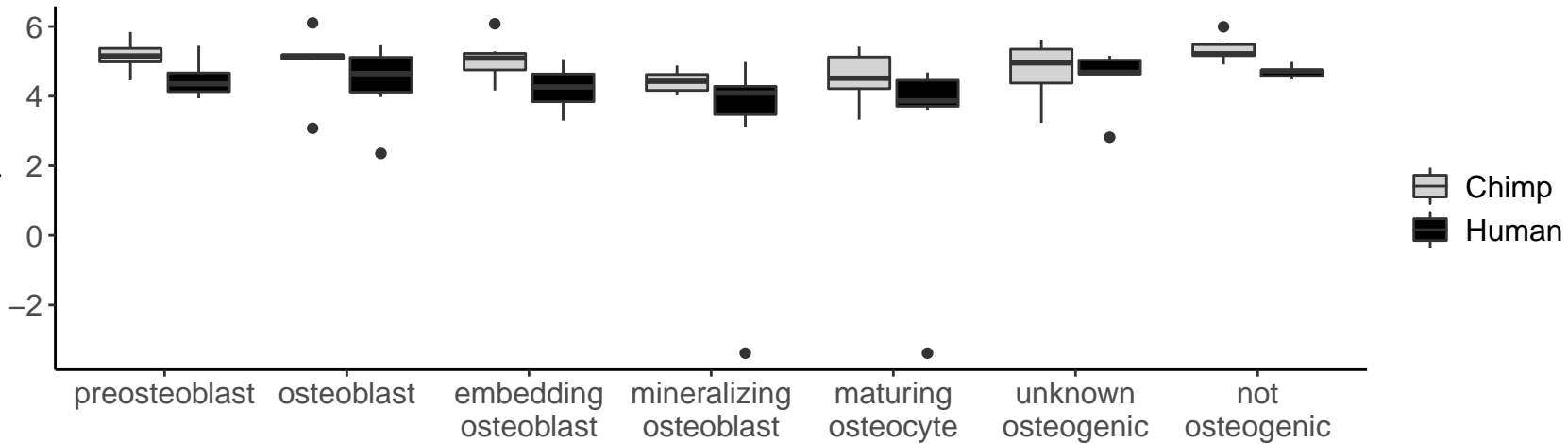
Genes Expression



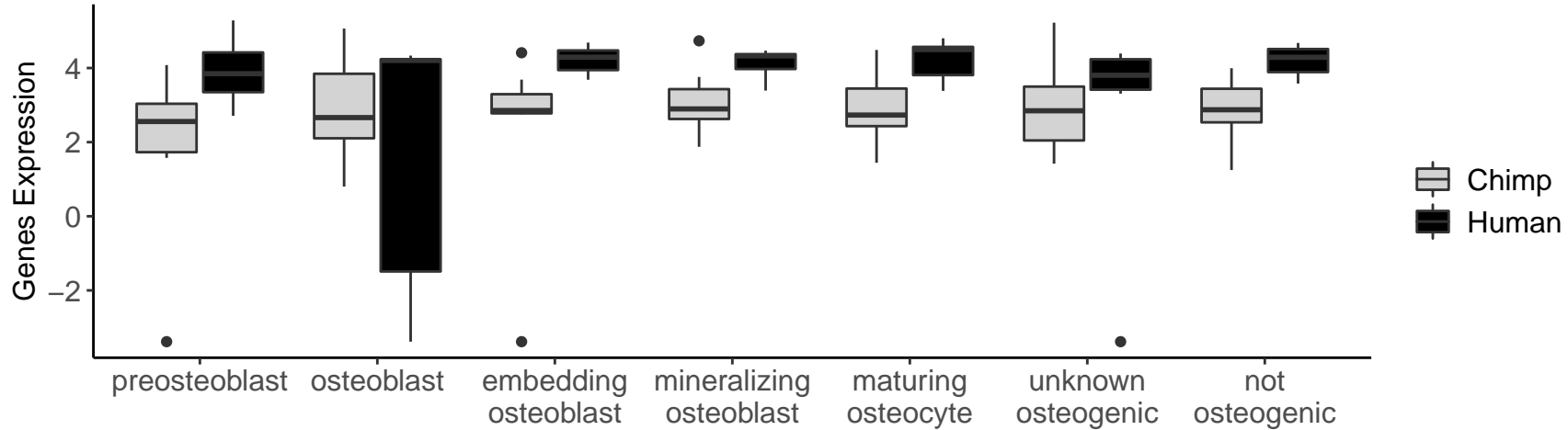


DCPS

Genes Expression

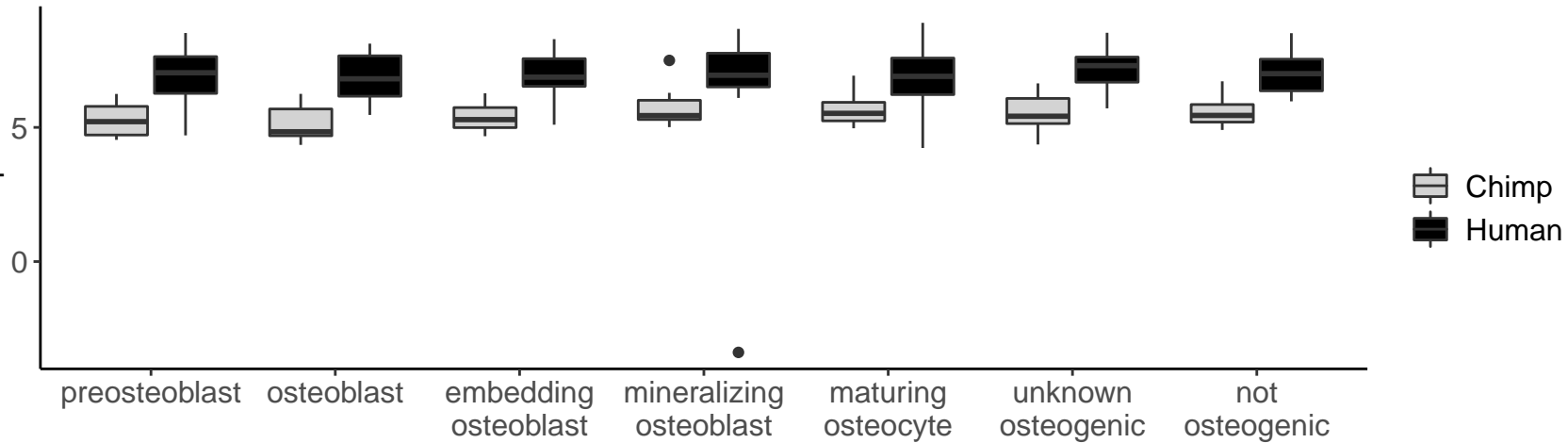


## DNAH14

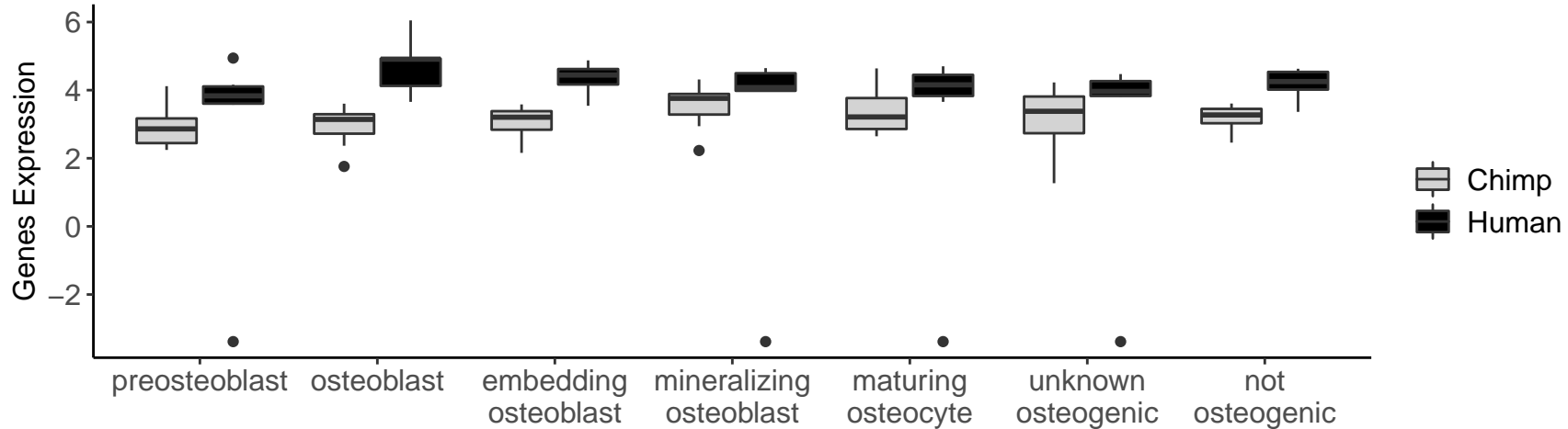


# DNAJB4

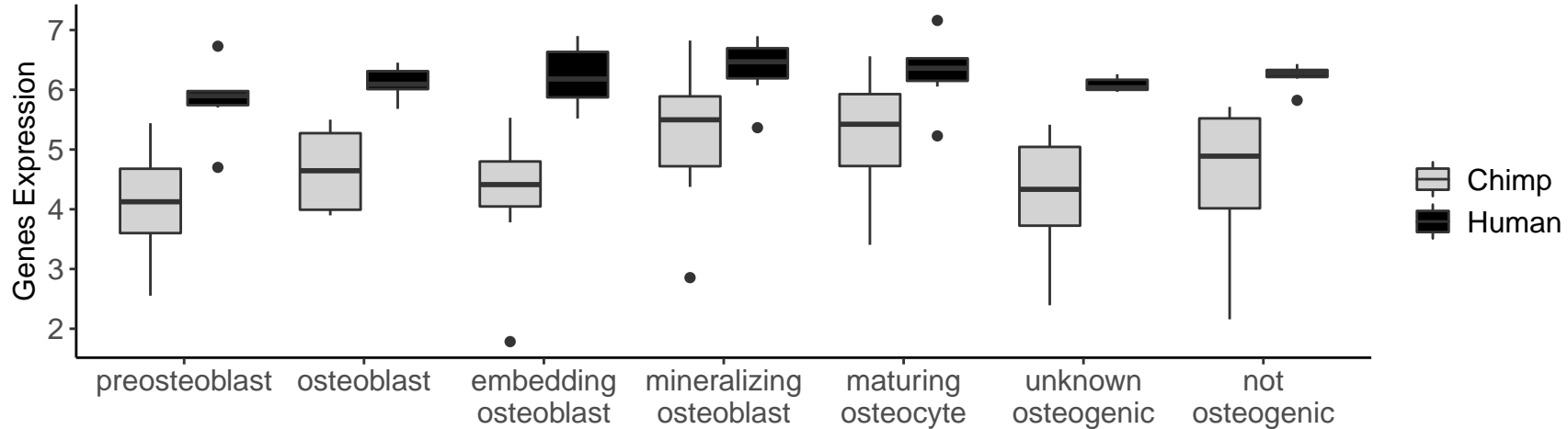
Genes Expression



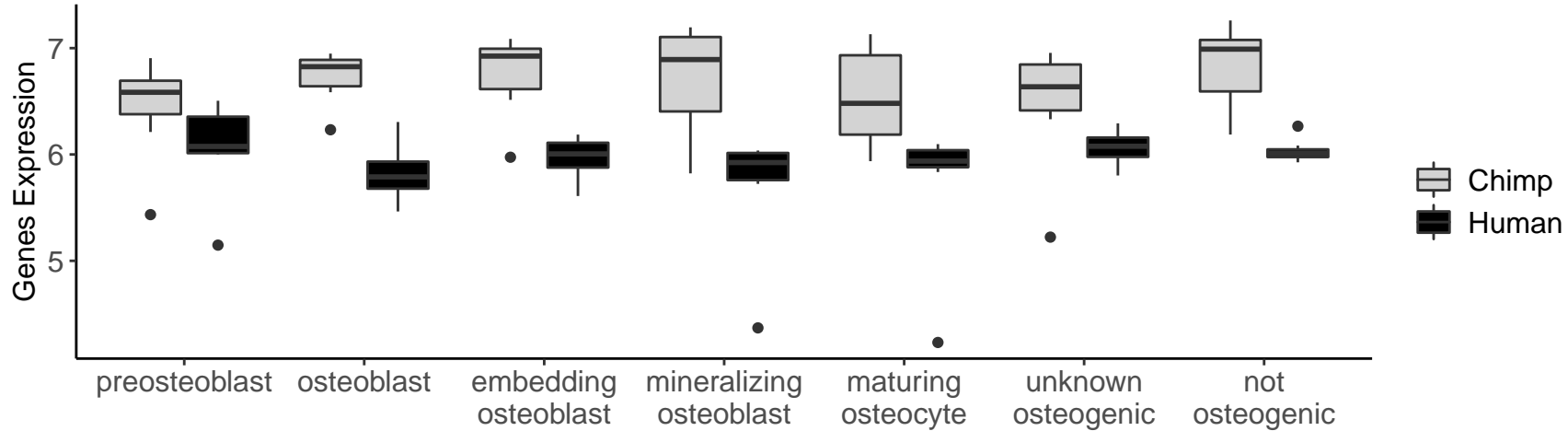
# ENTPD6



# EPHA2

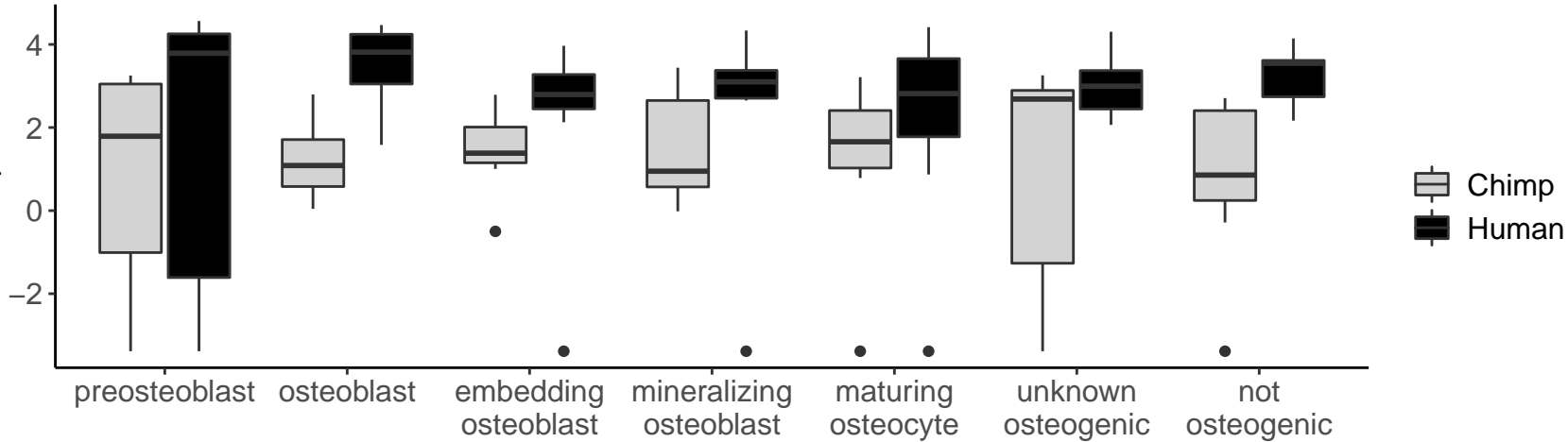


FBXO7



FLI1

Genes Expression



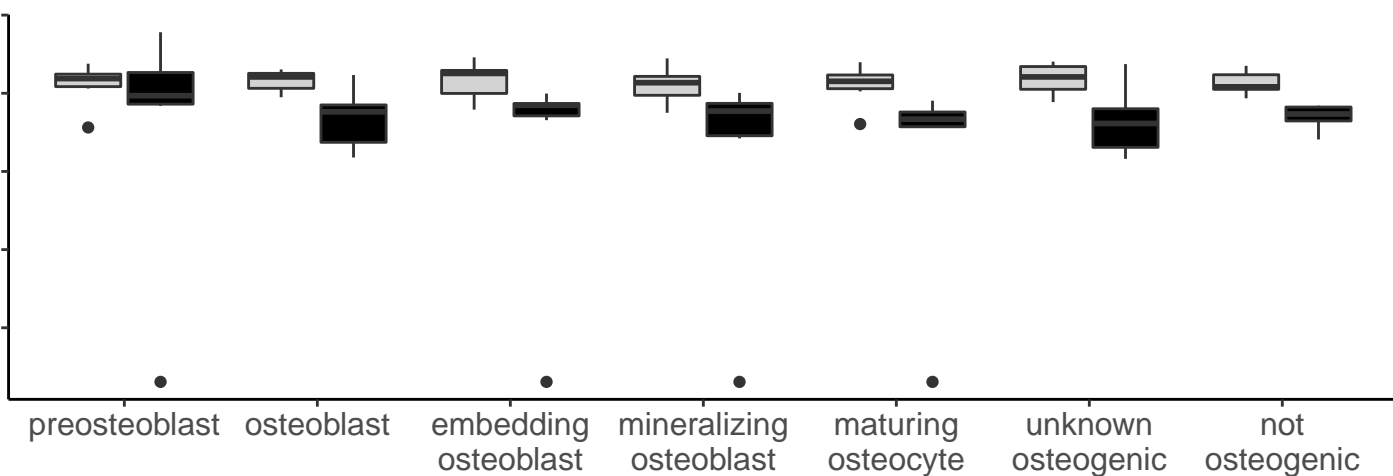
GID4

Genes Expression

6  
4  
2  
0  
-2

Chimp  
Human

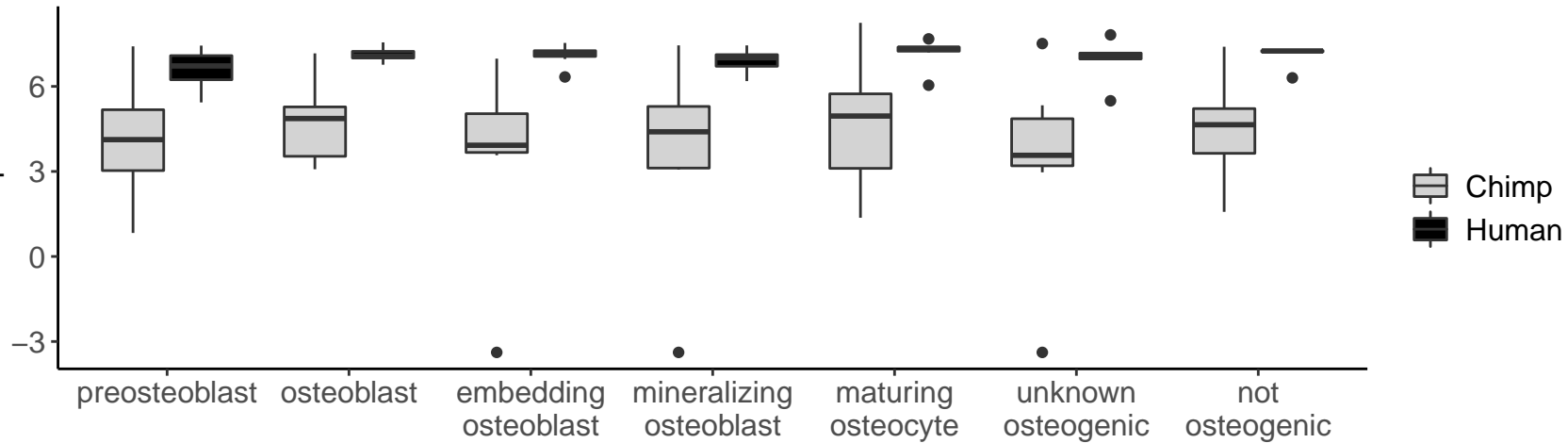
preosteoblast osteoblast embedding  
osteoblast mineralizing  
osteoblast maturing  
osteocyte unknown  
osteogenic not  
osteogenic



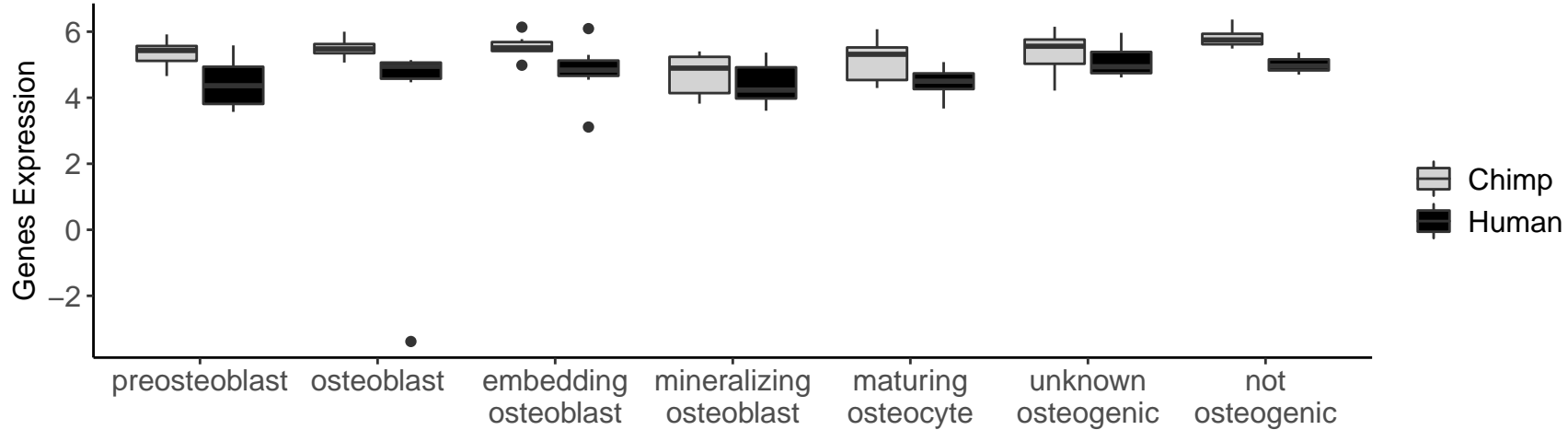


# GLIPR1

Genes Expression

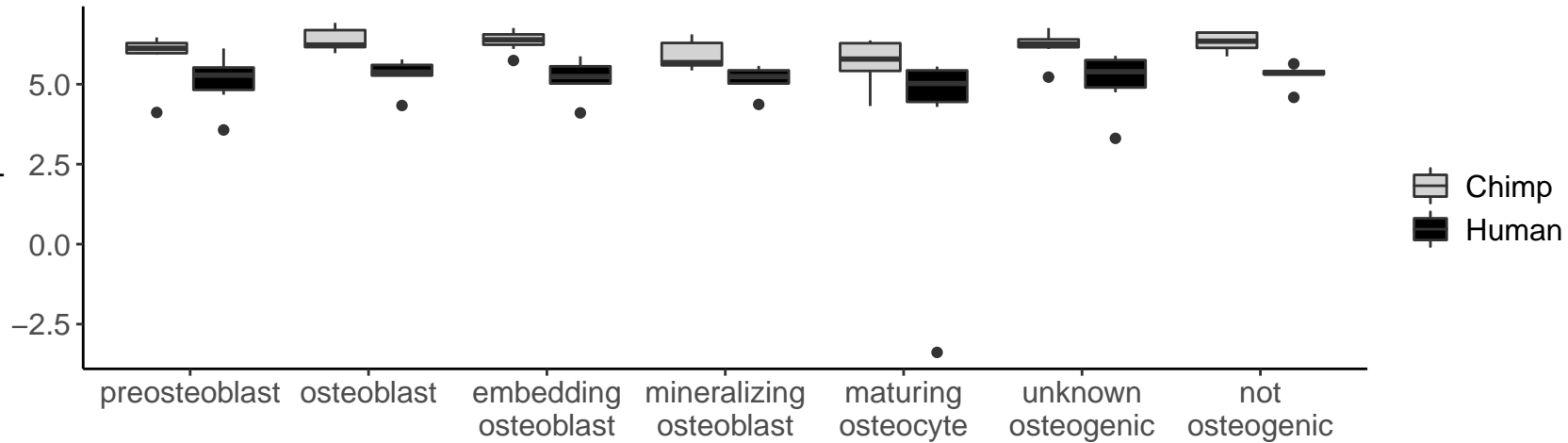


GON7

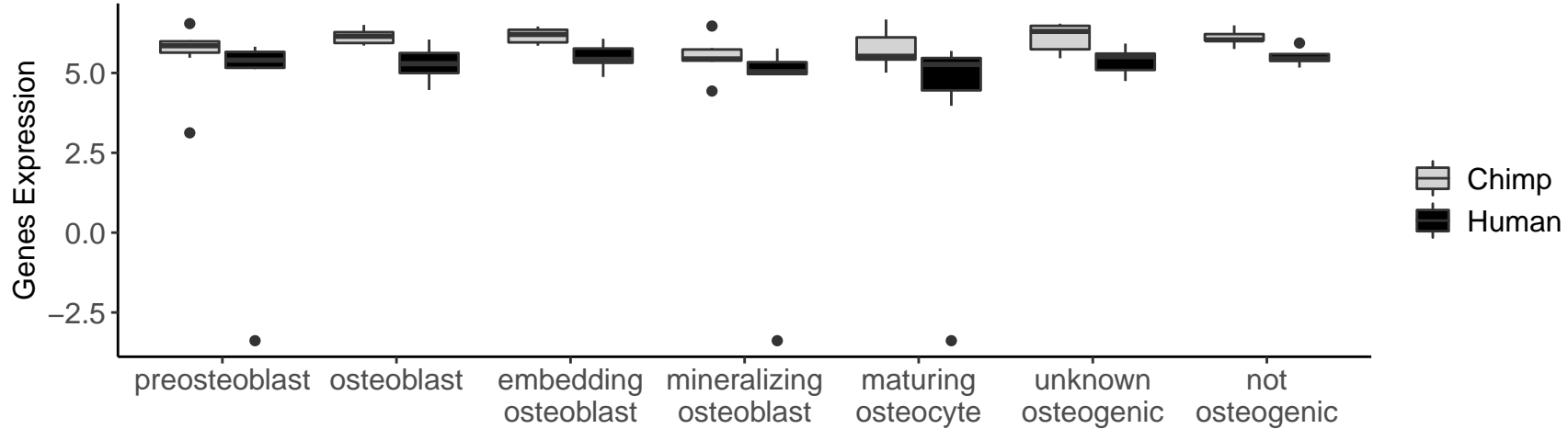


# HDAC1

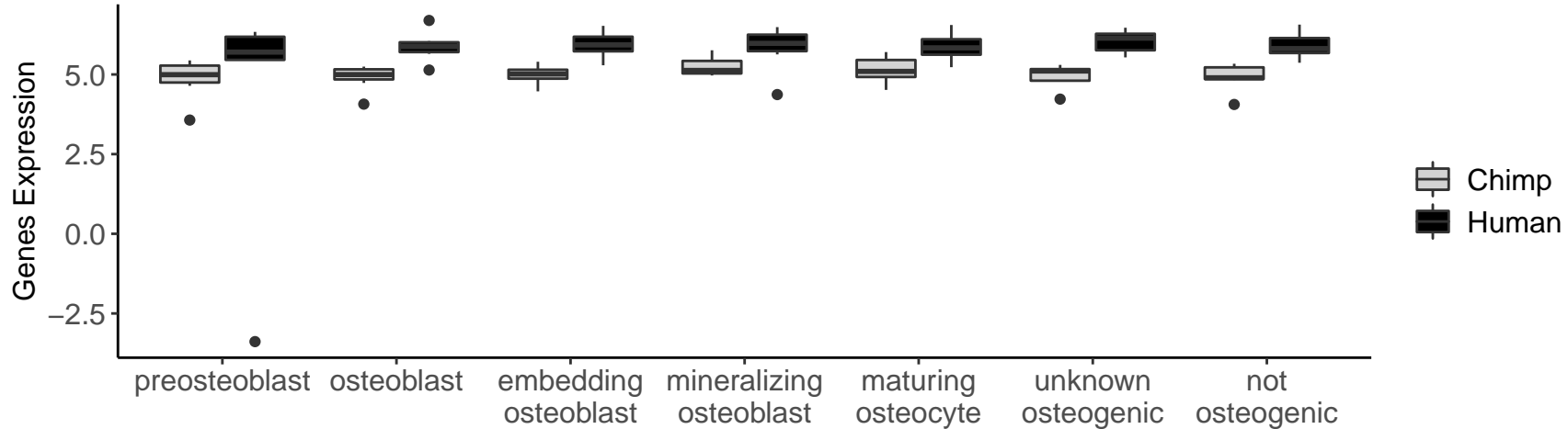
Genes Expression



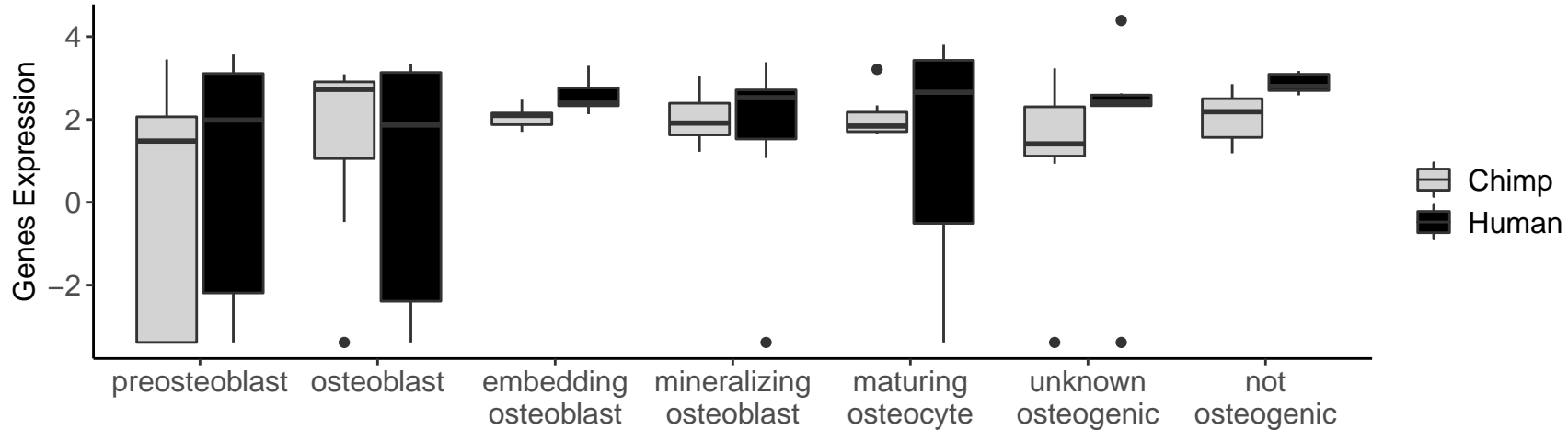
# HMGCL



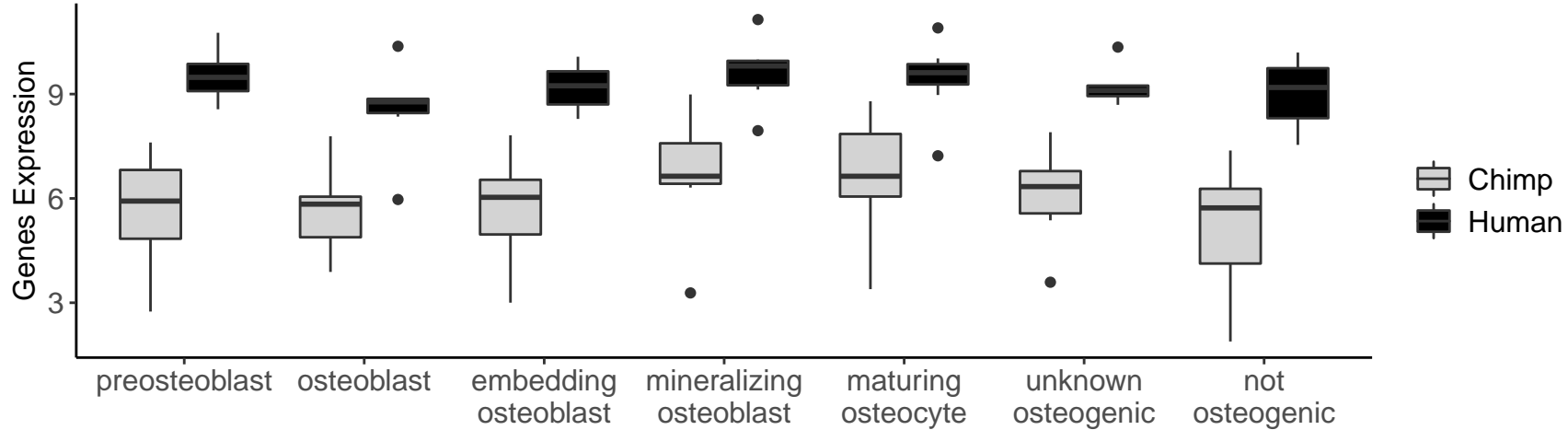
# HSPA13



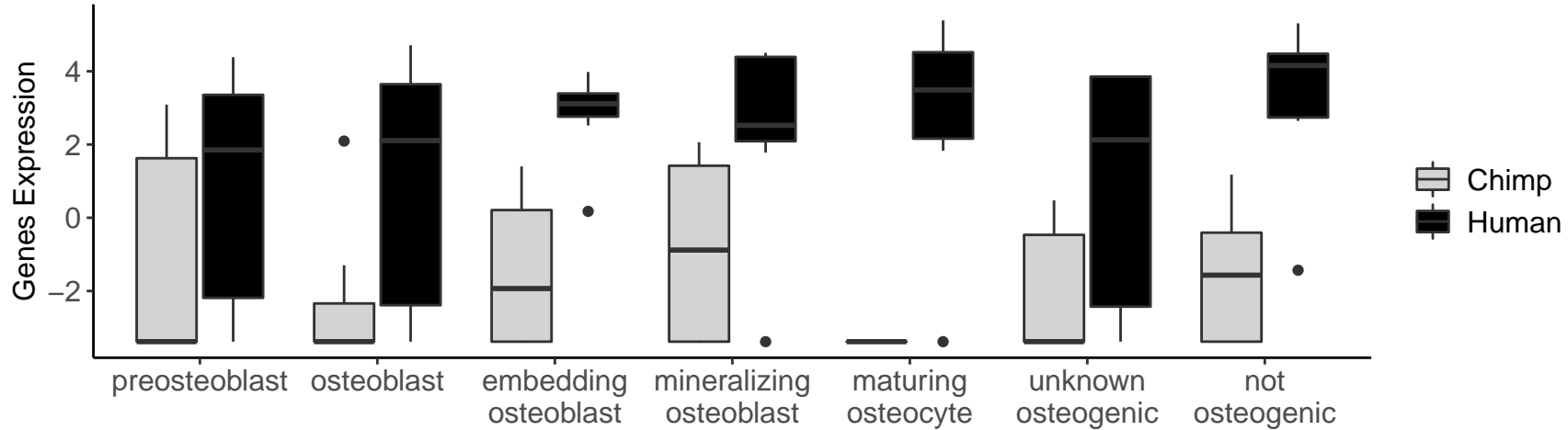
# HYAL3



ITGA11



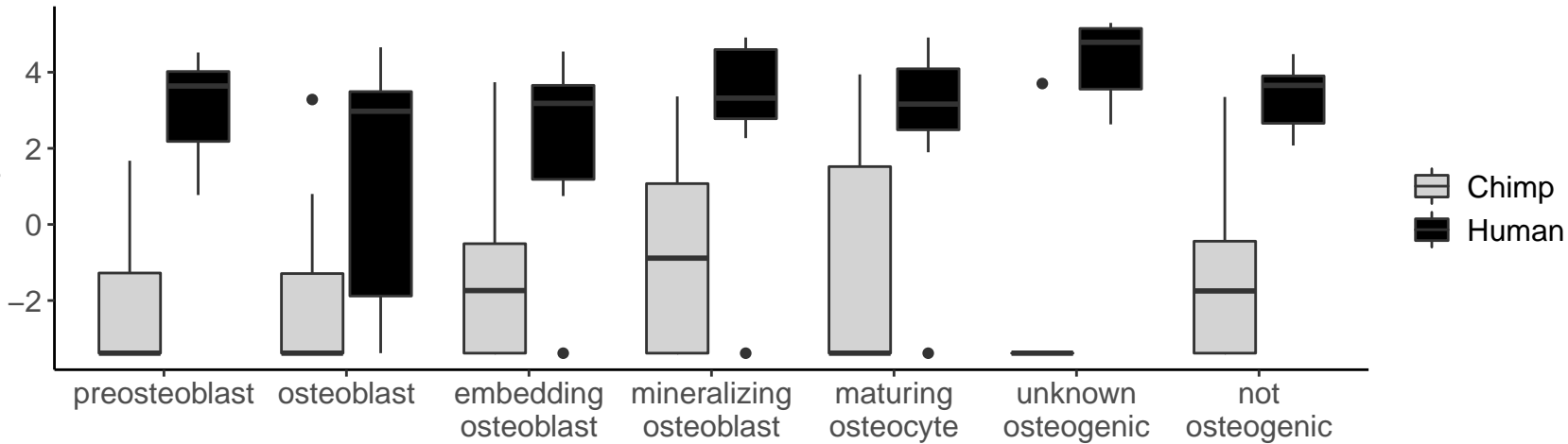
# KCNT2



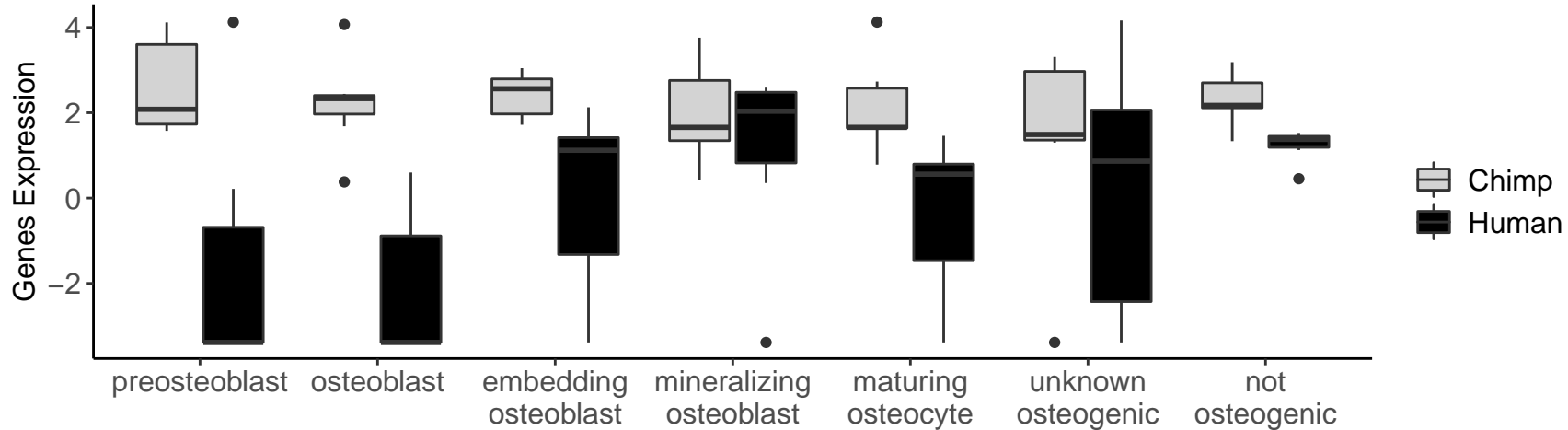


# KLHL4

Genes Expression

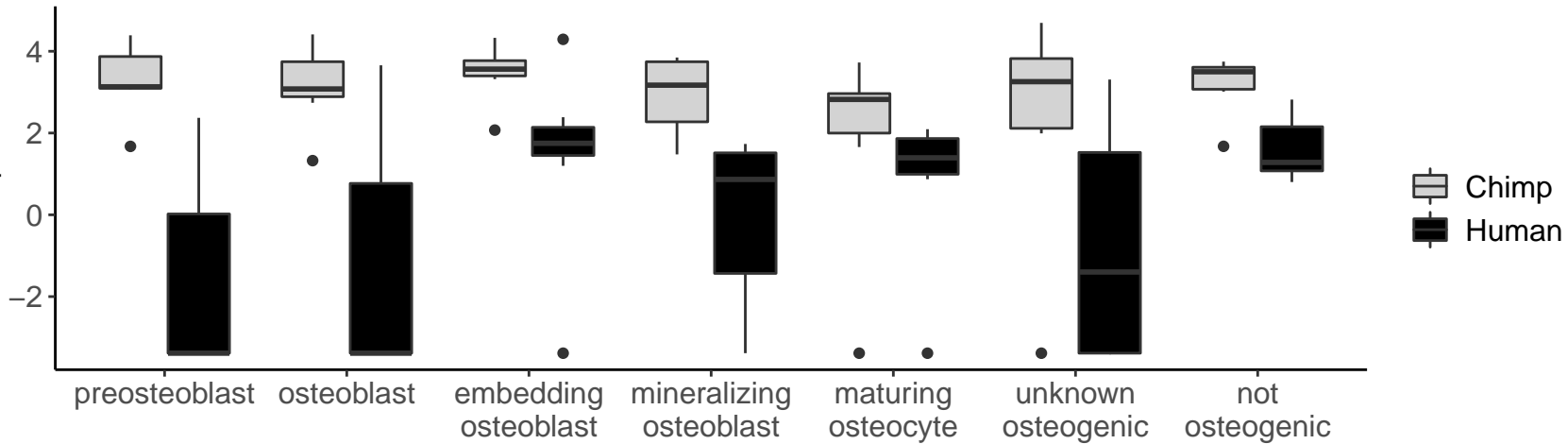


# L2HGDH

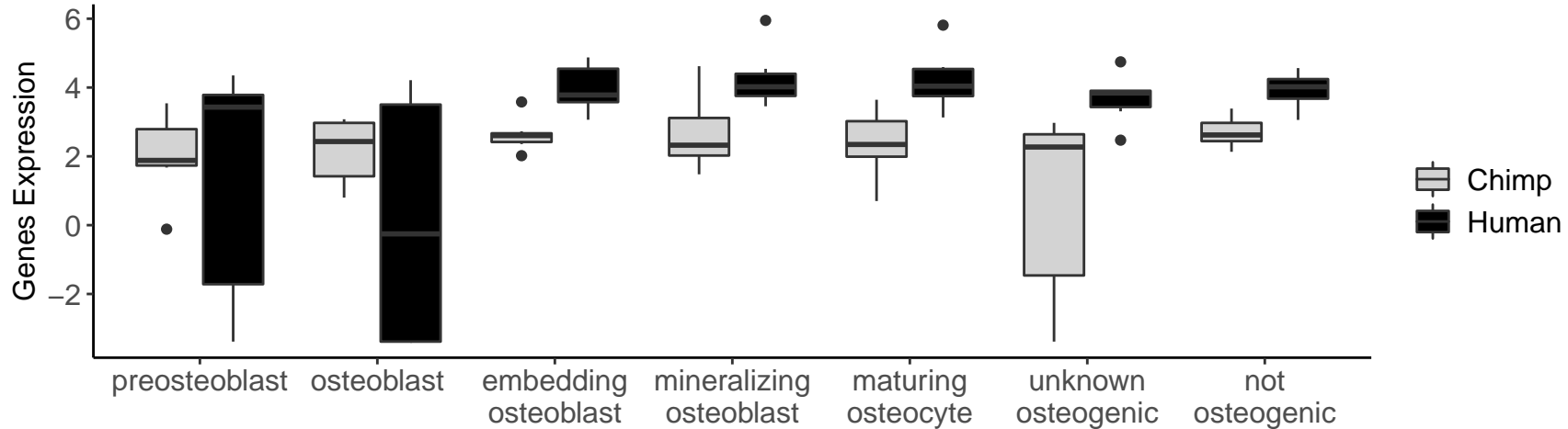


LBX2

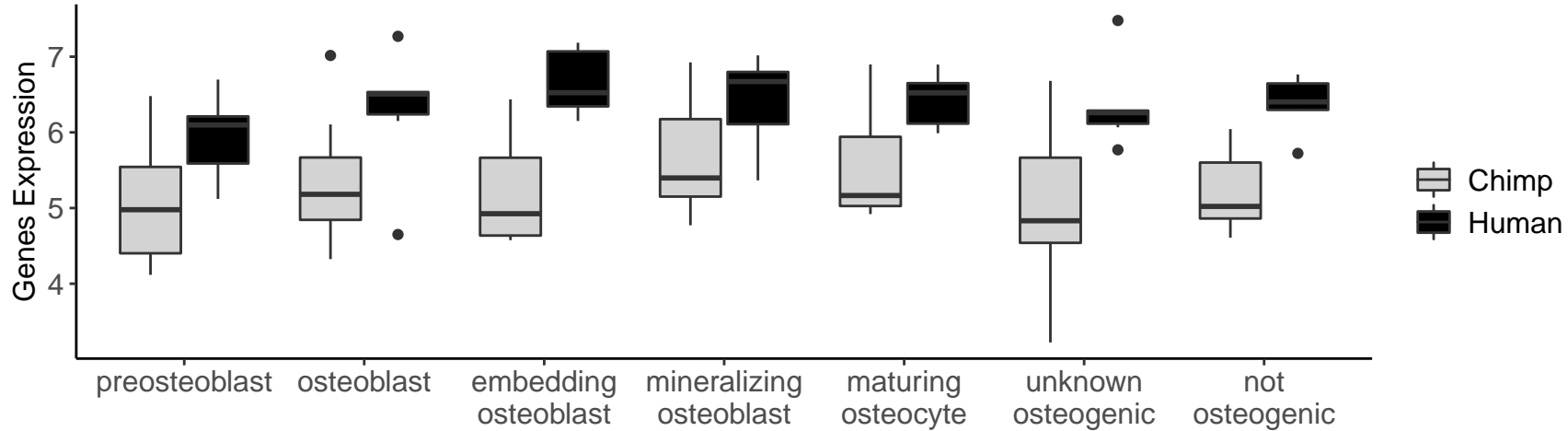
Genes Expression



# MAPK11

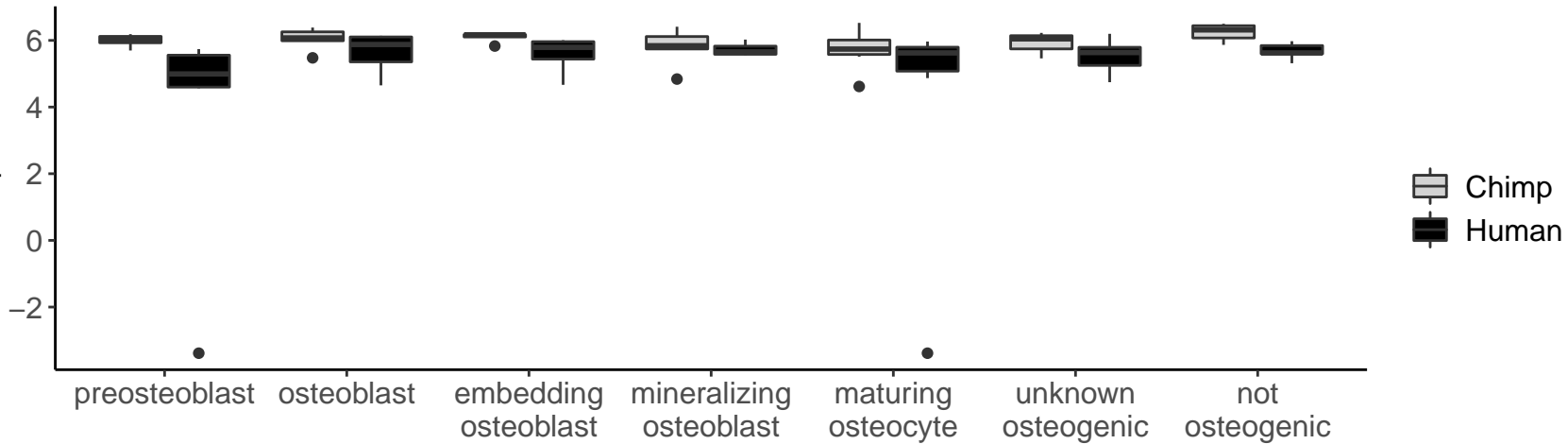


# MARS1



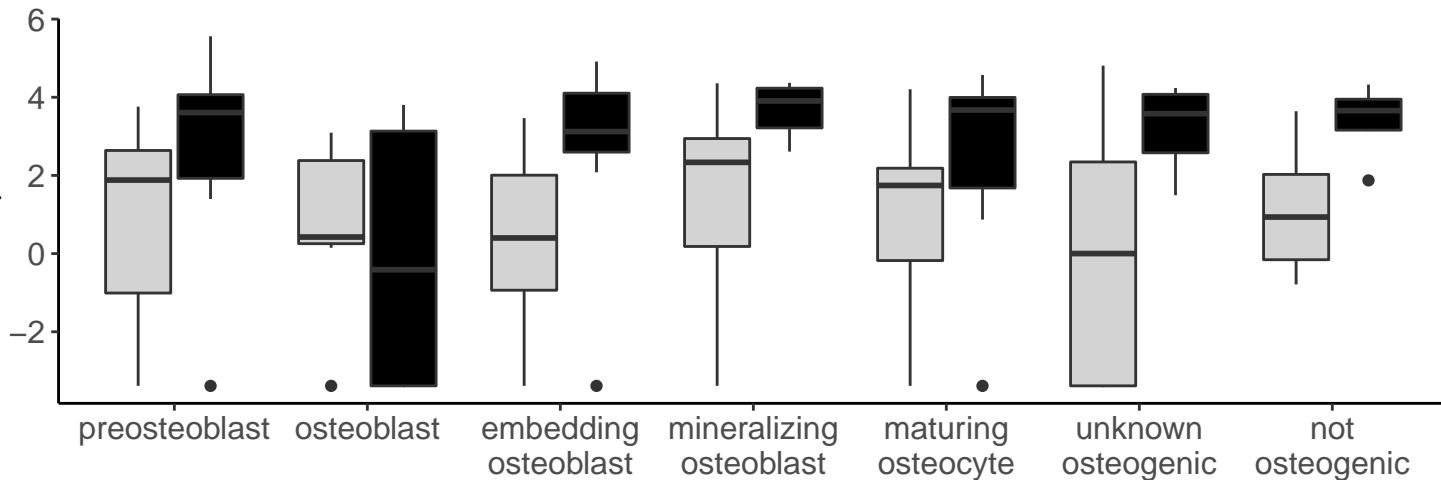
MED6

Genes Expression



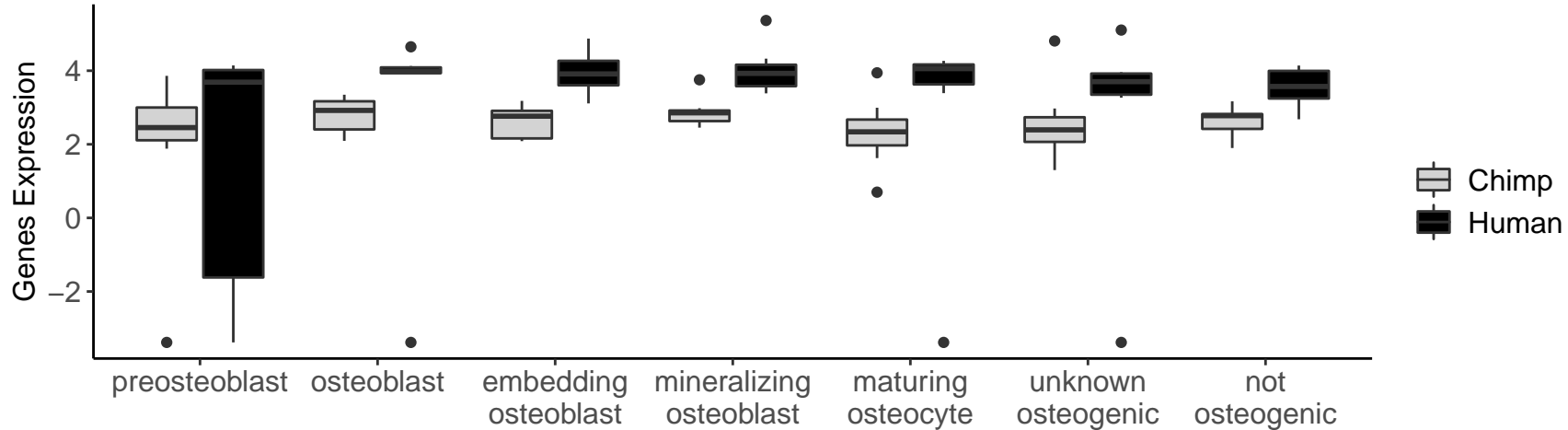
# MEGF9

Genes Expression



Chimp  
Human

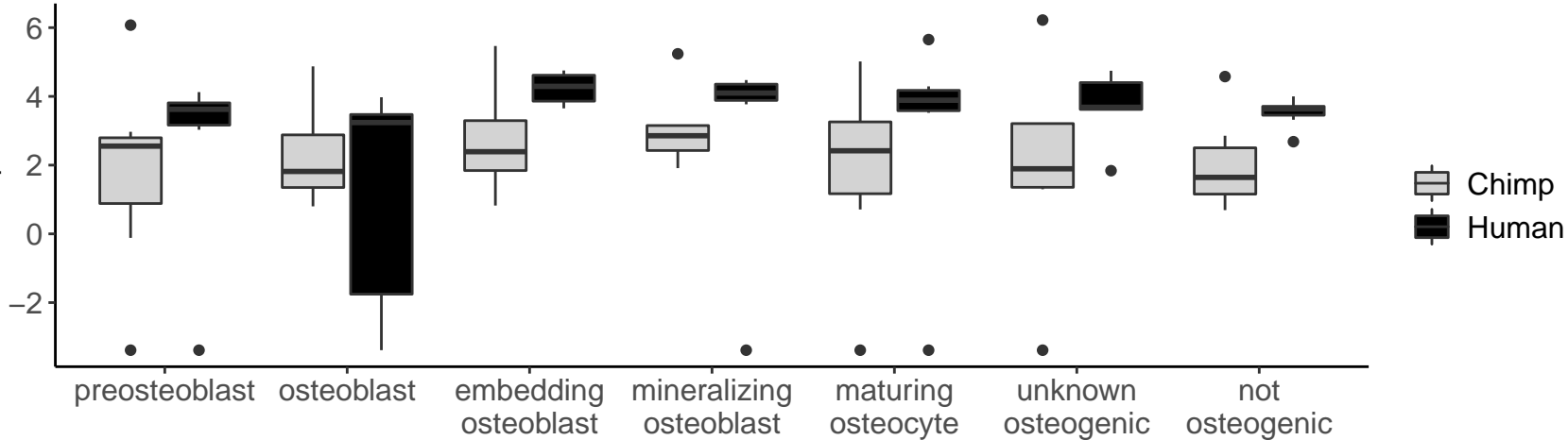
# METTL4



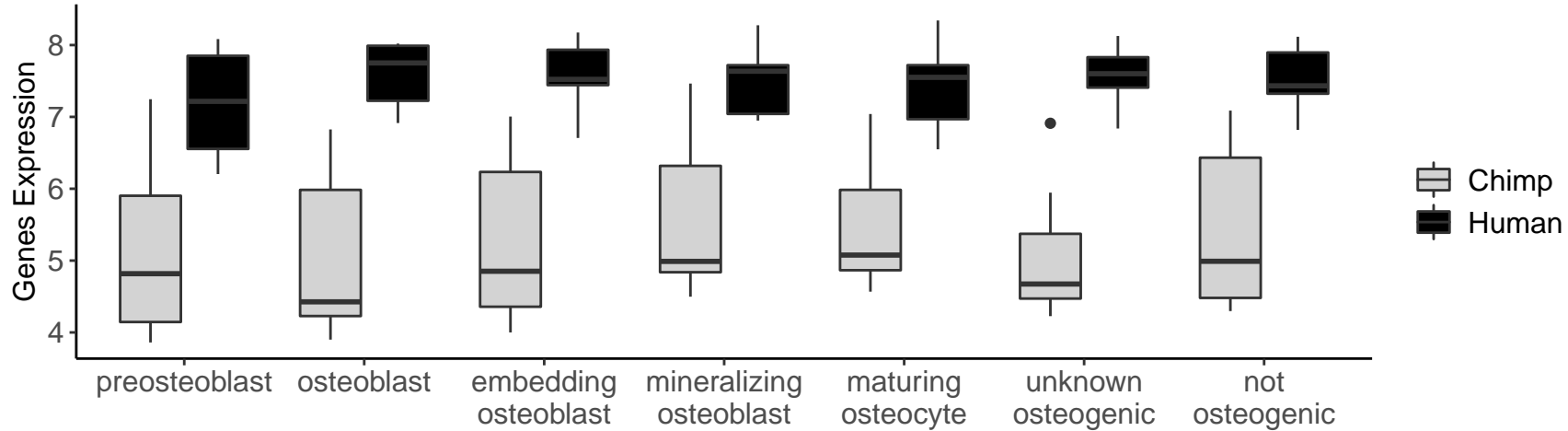


# MICALL2

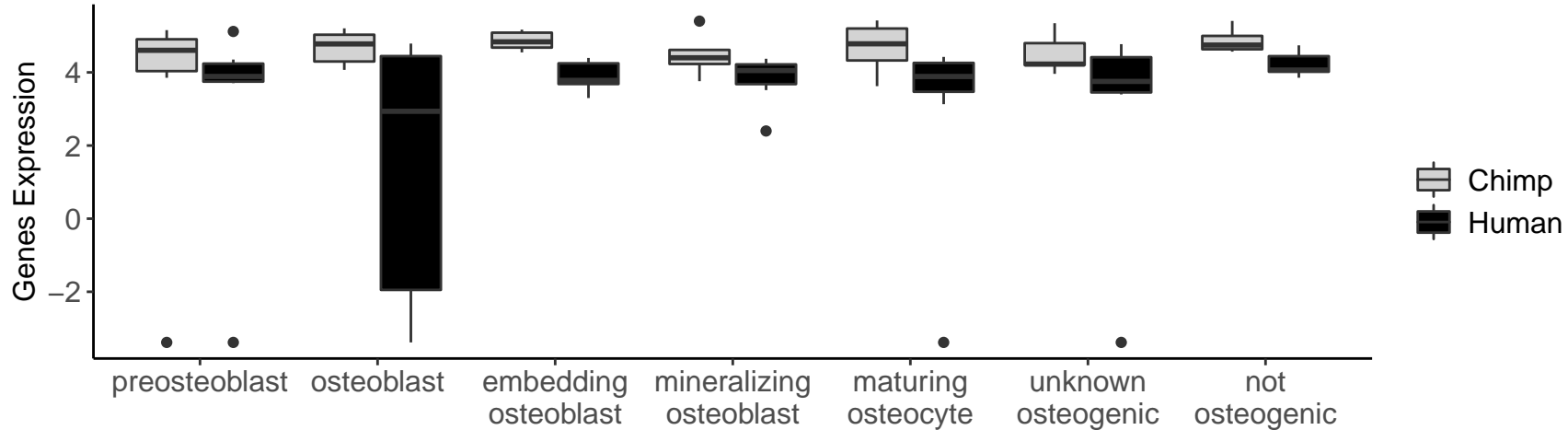
Genes Expression



# MTHFD2

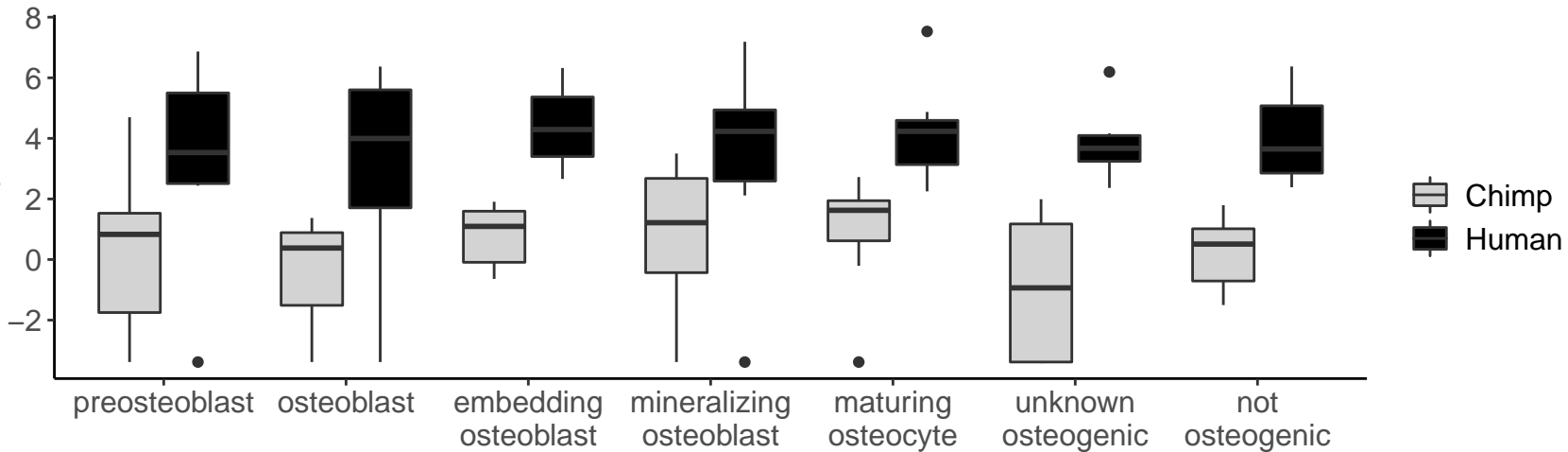


# NFKBIB



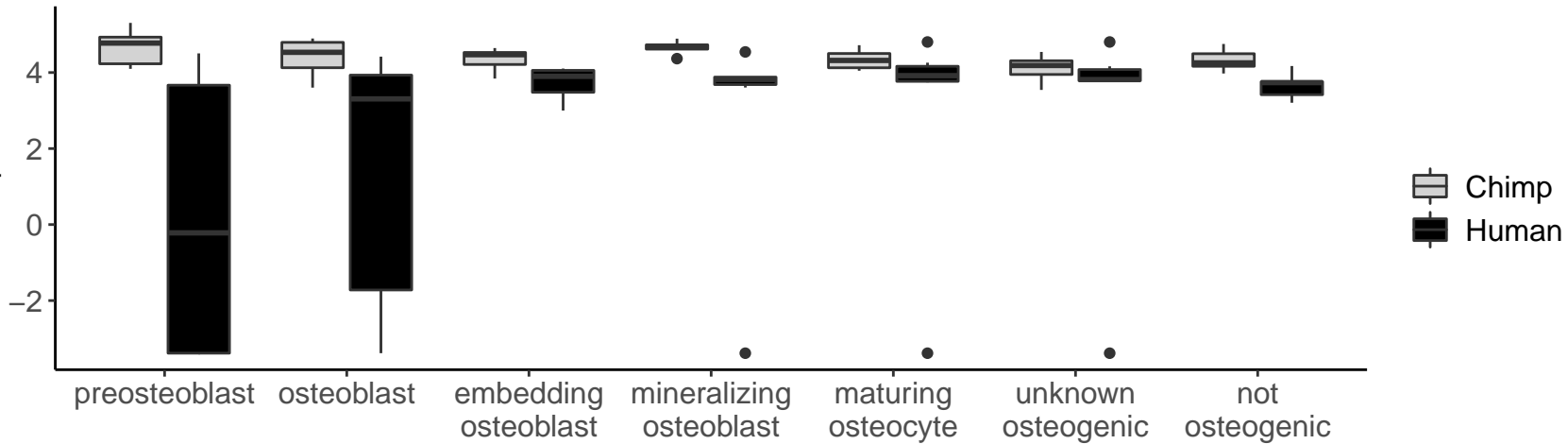
# NOTCH3

Genes Expression

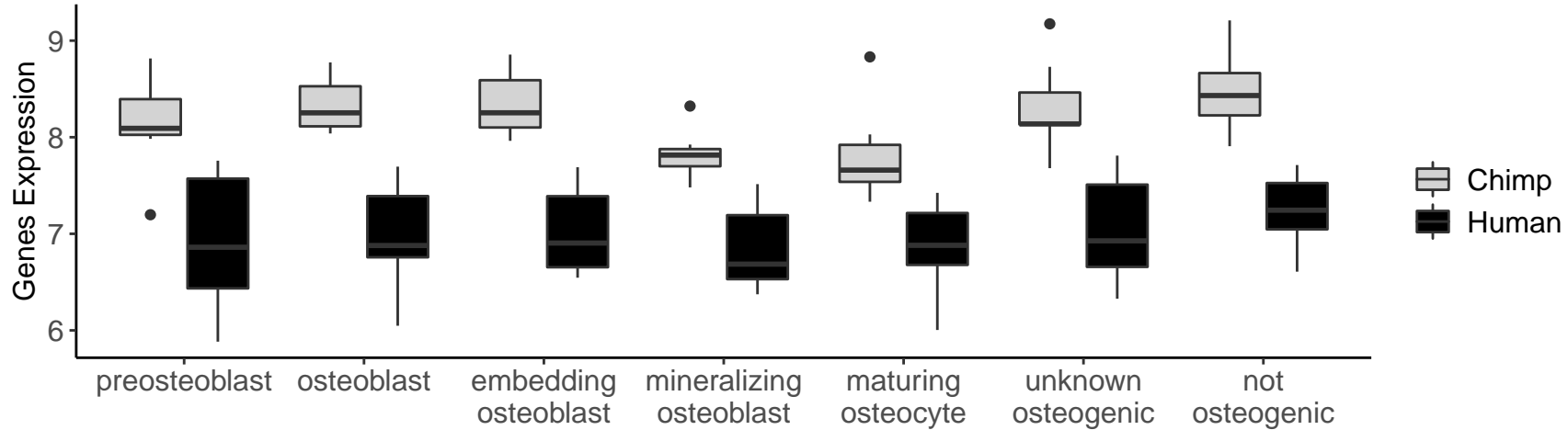


NPAT

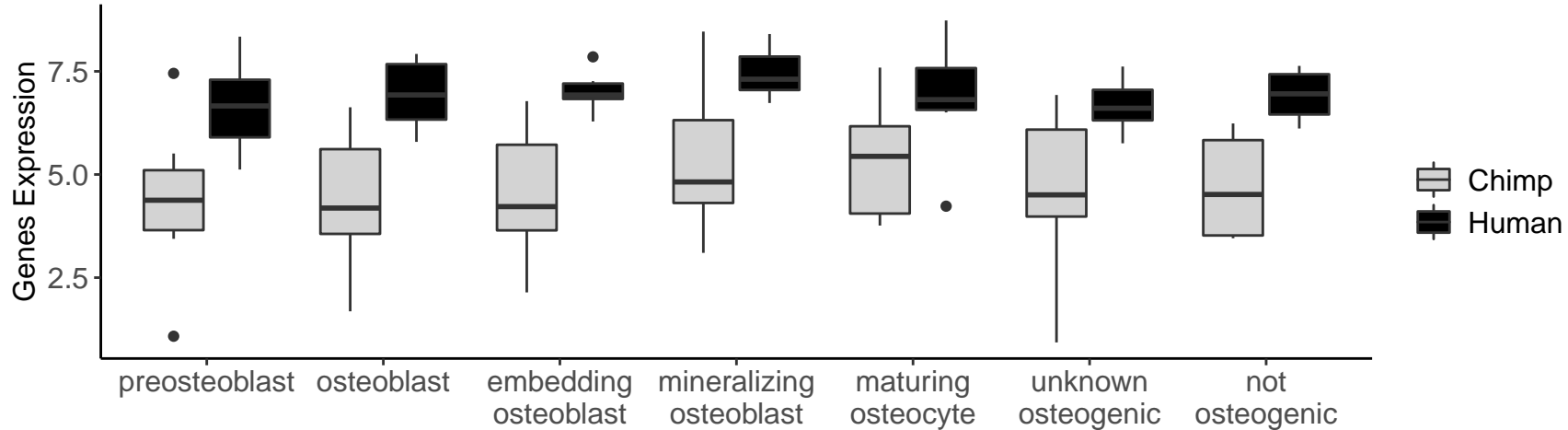
Genes Expression



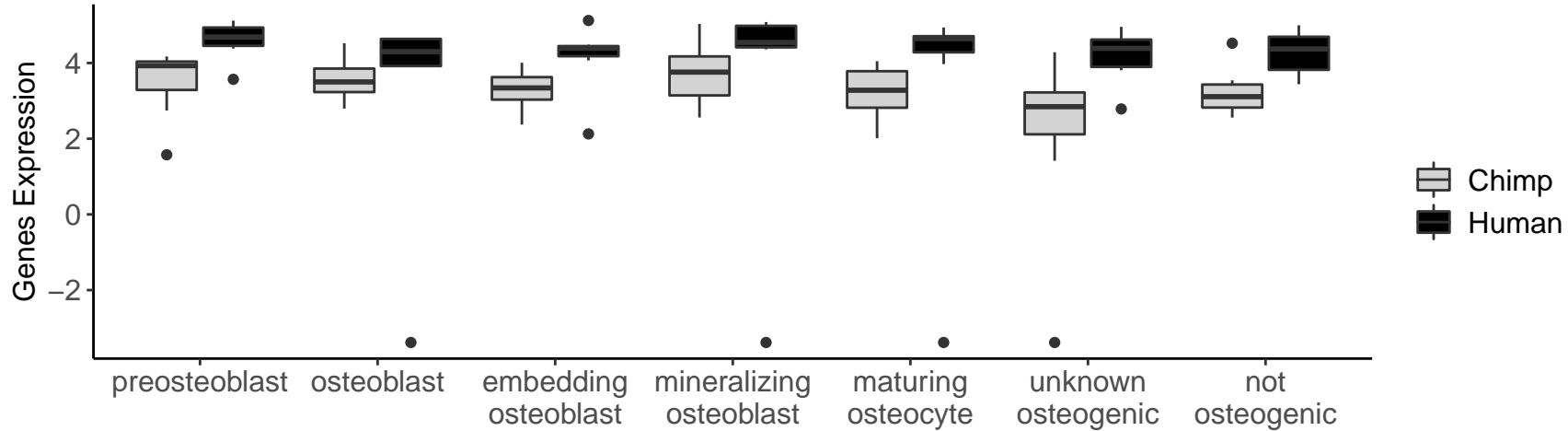
NSA2



# NUAK1



# NXPE3





PABPC1L

Genes Expression

6

4

2

0

-2

preosteoblast

osteoblast

embedding  
osteoblast

mineralizing  
osteoblast

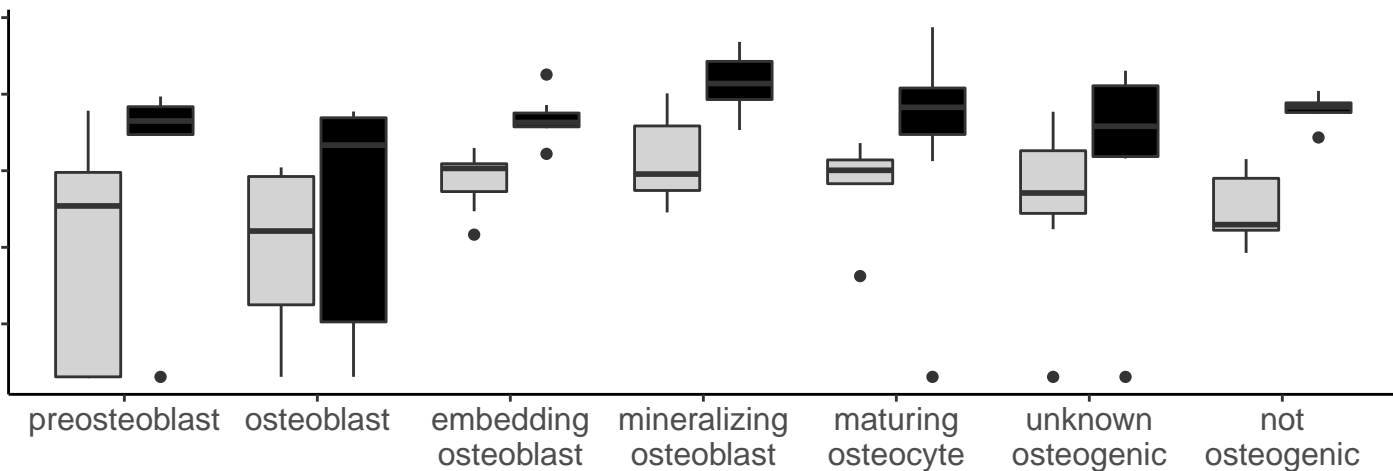
maturing  
osteocyte

unknown  
osteogenic

not  
osteogenic

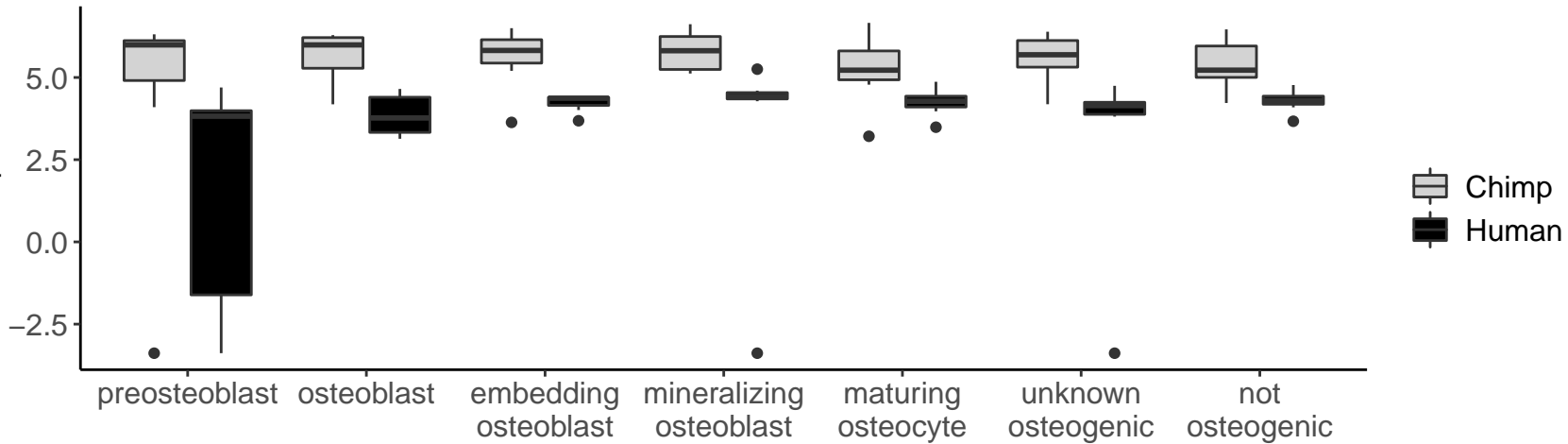
Chimp

Human

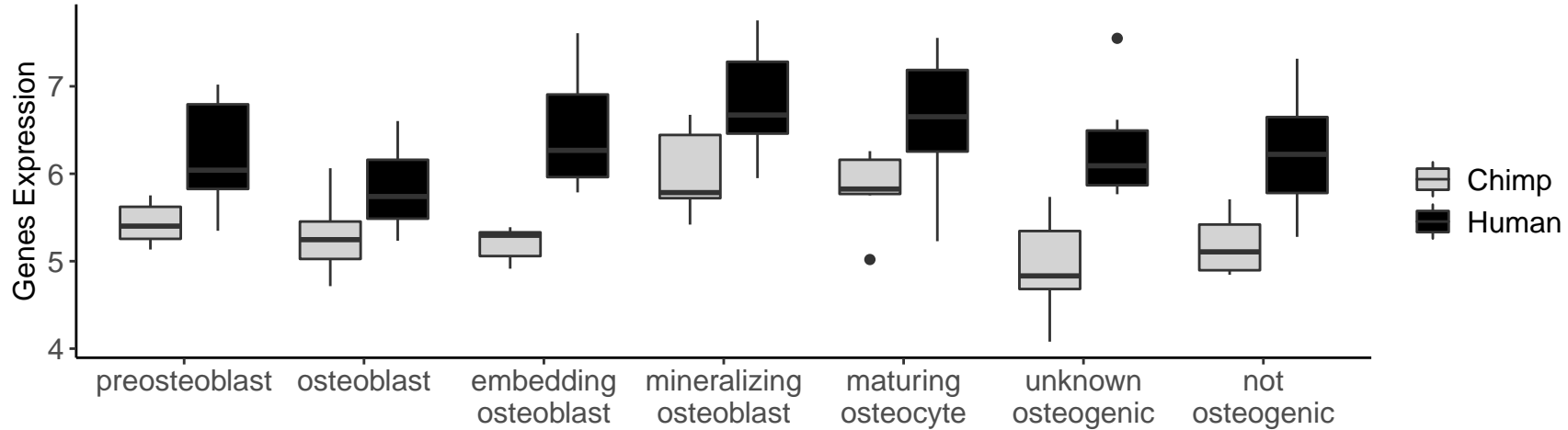


PER1

Genes Expression



# PLXNA1



# PSAT1

Genes Expression

10

5

0

preosteoblast

osteoblast

embedding  
osteoblast

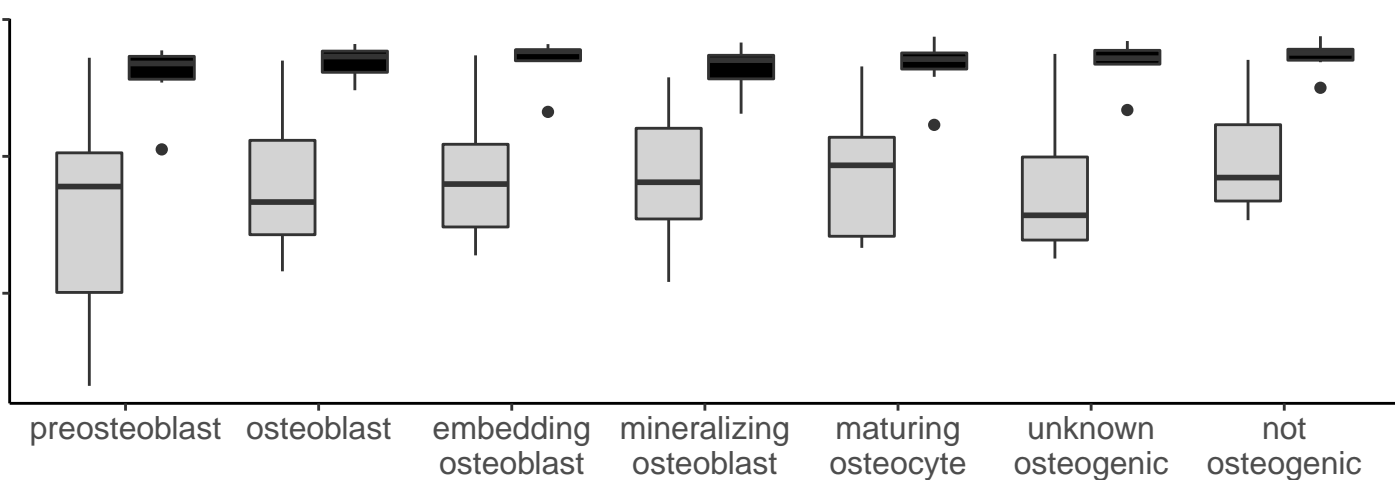
mineralizing  
osteoblast

maturing  
osteocyte

unknown  
osteogenic

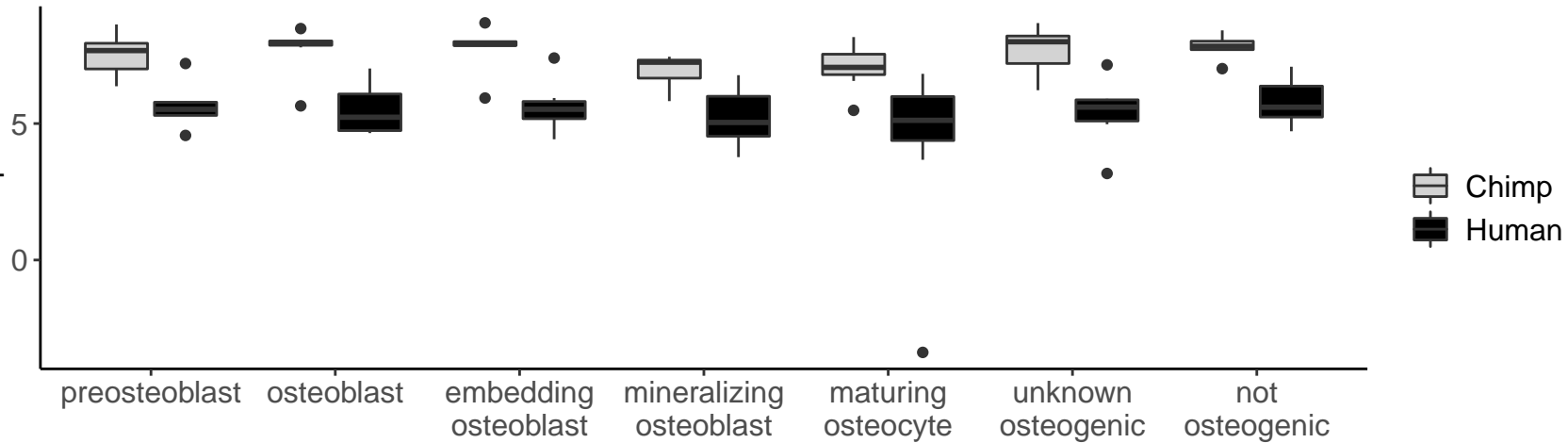
not  
osteogenic

Chimp  
Human



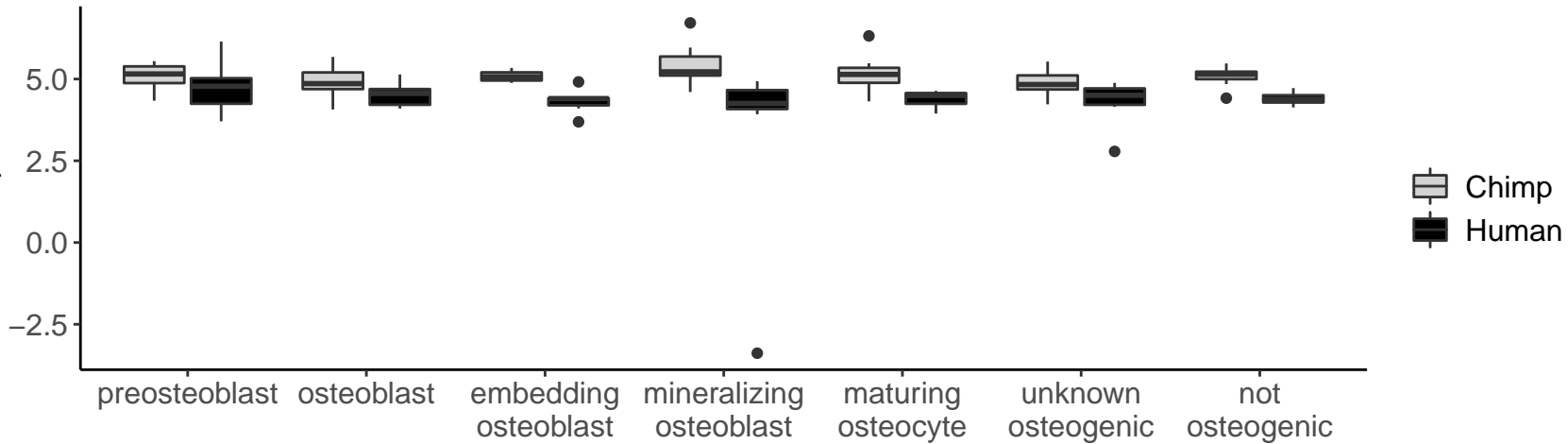
PSMB8

Genes Expression

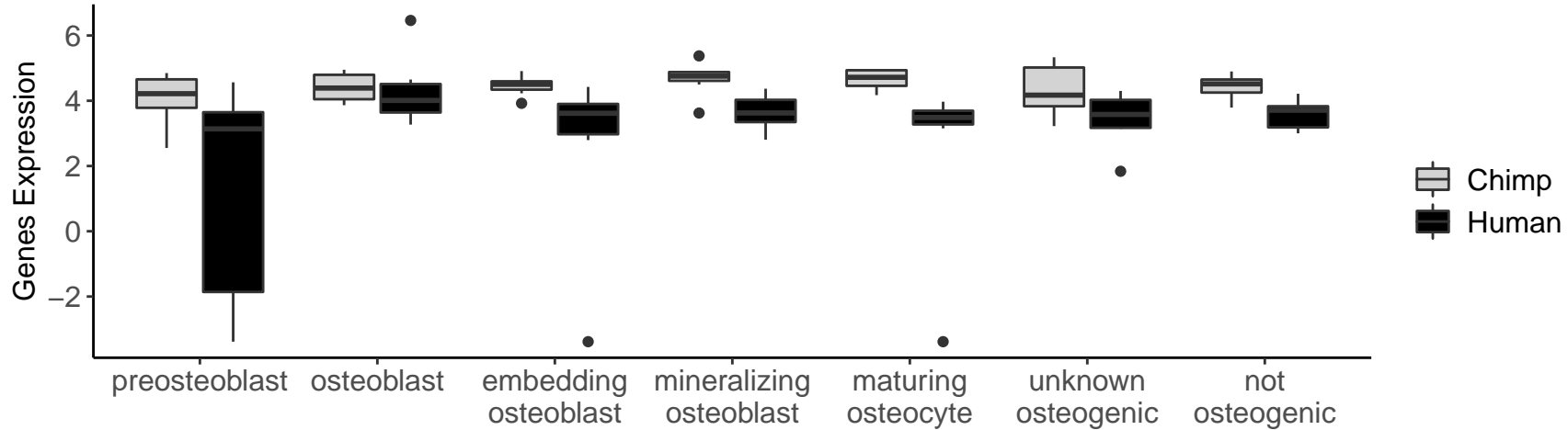


# RAB11FIP2

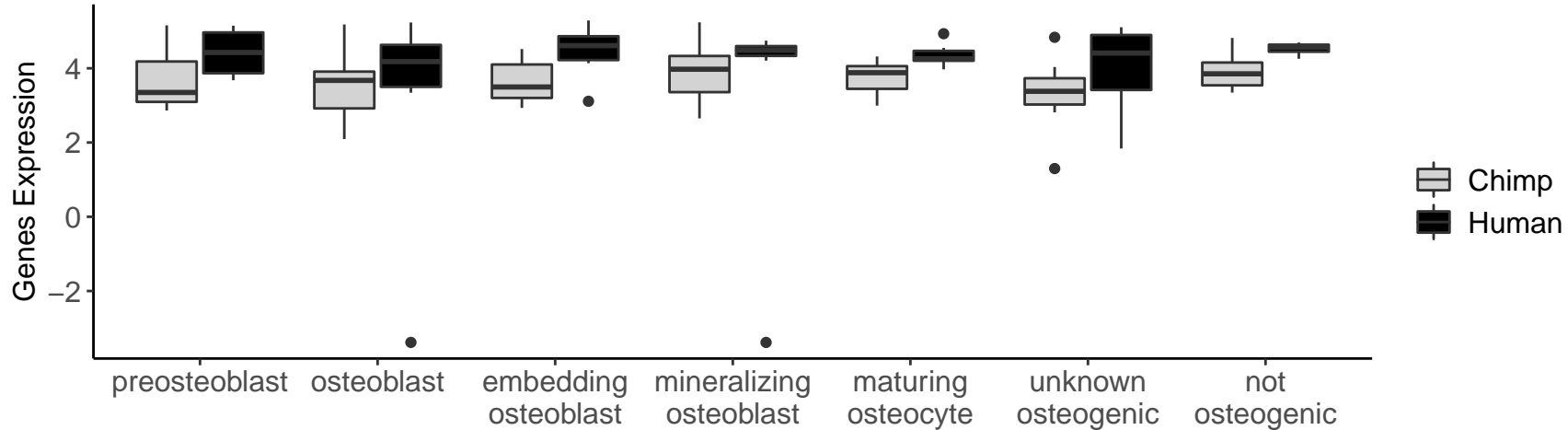
Genes Expression



# RAB11FIP3

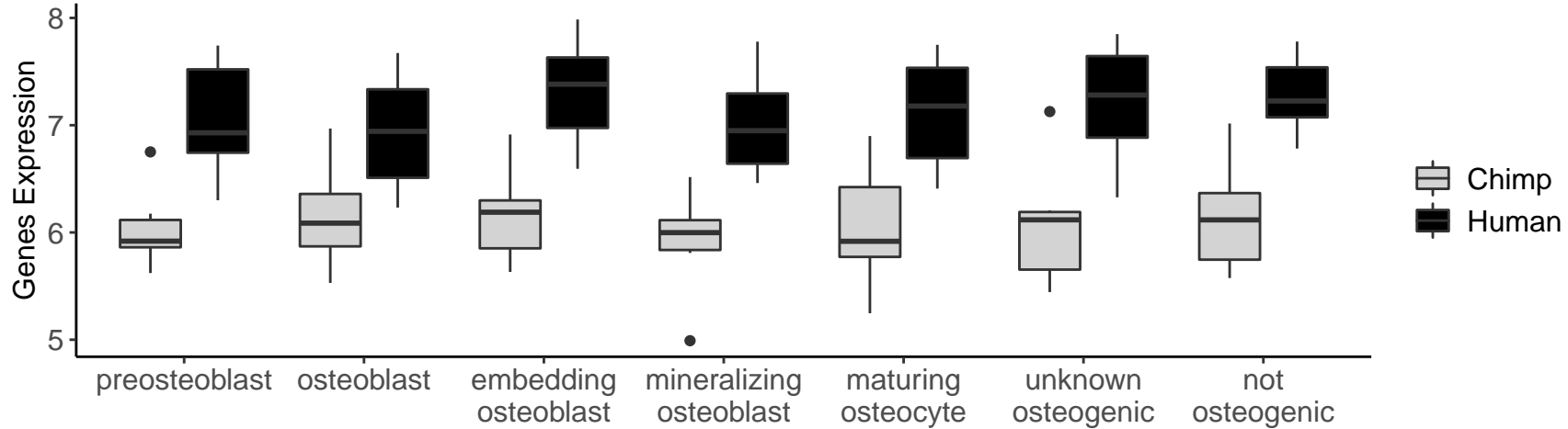


# RABEPK





## RBCK1



RESF1

Genes Expression

8

4

0

Chimp  
Human

preosteoblast

osteoblast

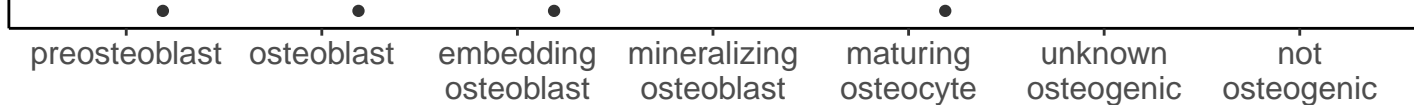
embedding  
osteoblast

mineralizing  
osteoblast

maturing  
osteocyte

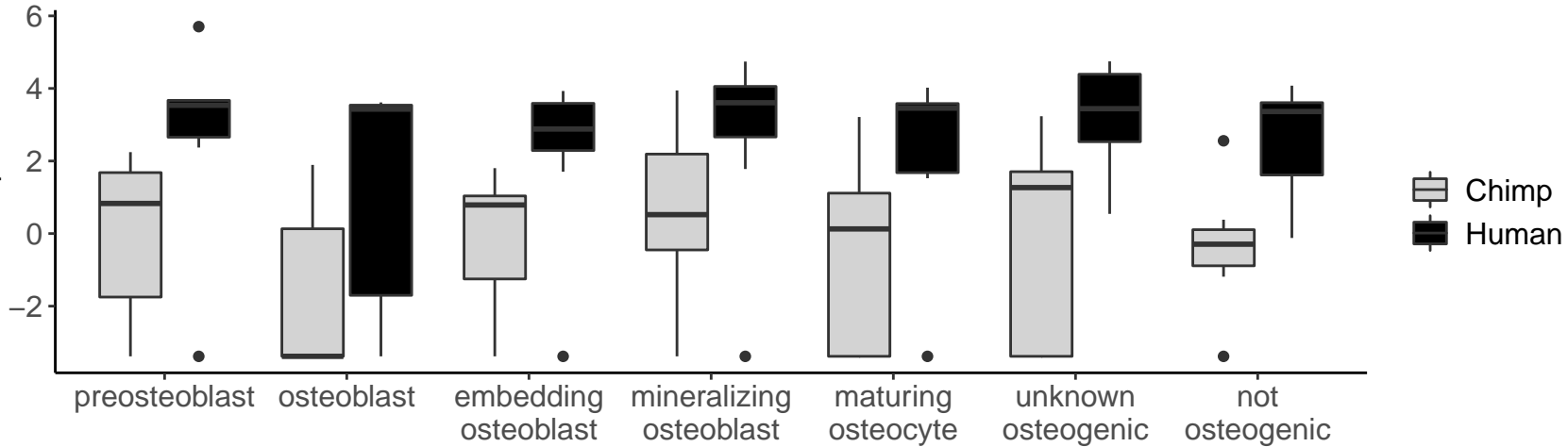
unknown  
osteogenic

not  
osteogenic

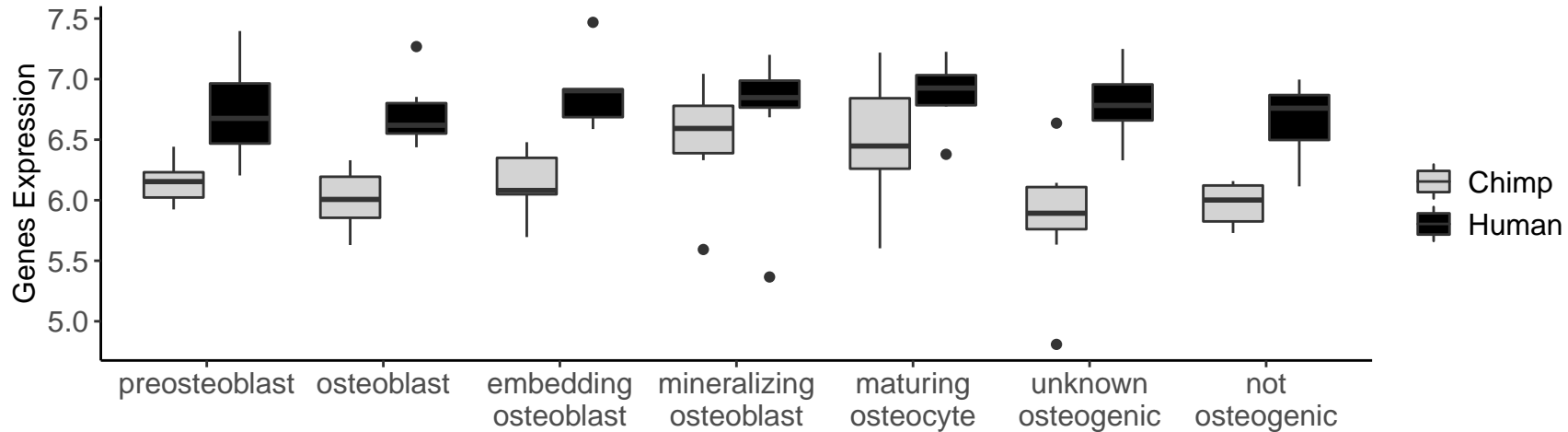


# SCN2A

Genes Expression



## SEL1L



# SEMA5A

Genes Expression

10

5

0

preosteoblast

osteoblast

embedding  
osteoblast

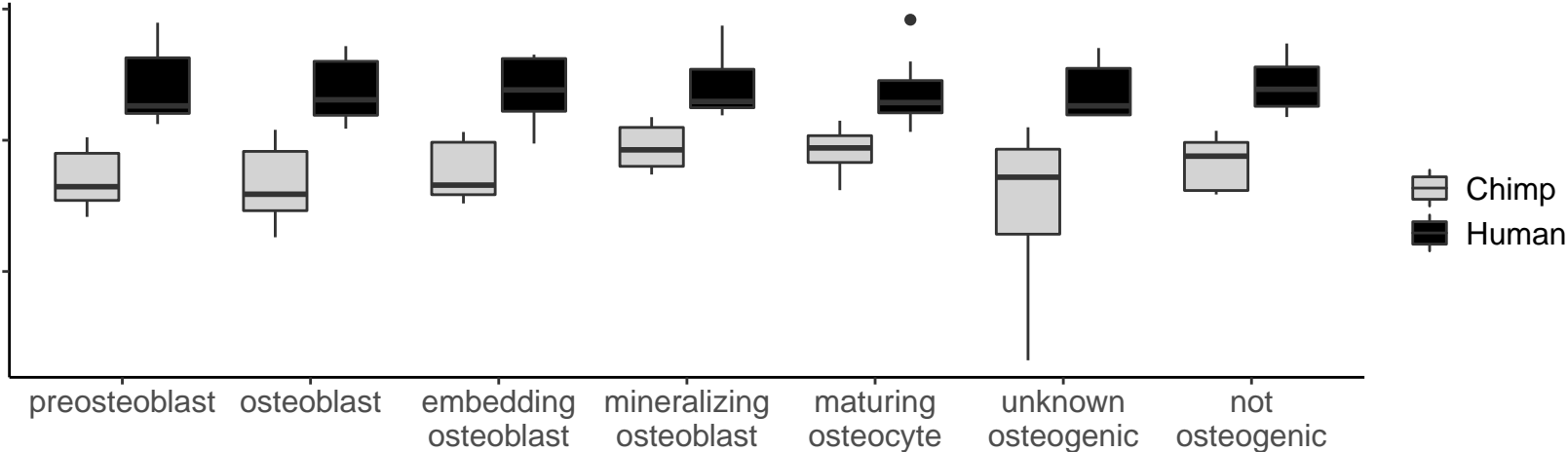
mineralizing  
osteoblast

maturing  
osteocyte

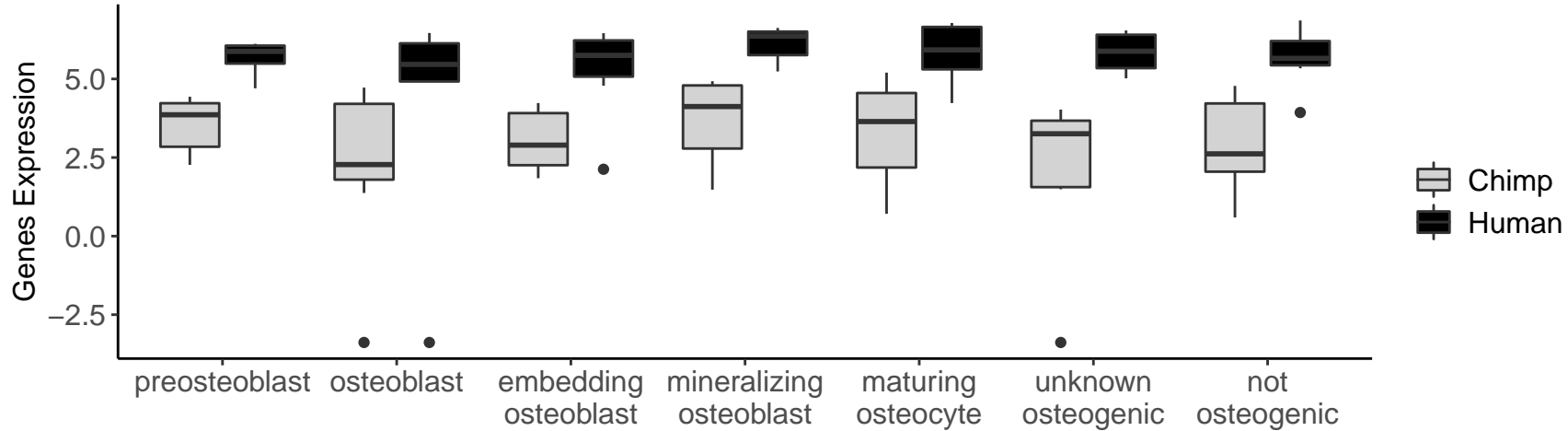
unknown  
osteogenic

not  
osteogenic

Chimp  
Human



## SH3PXD2A



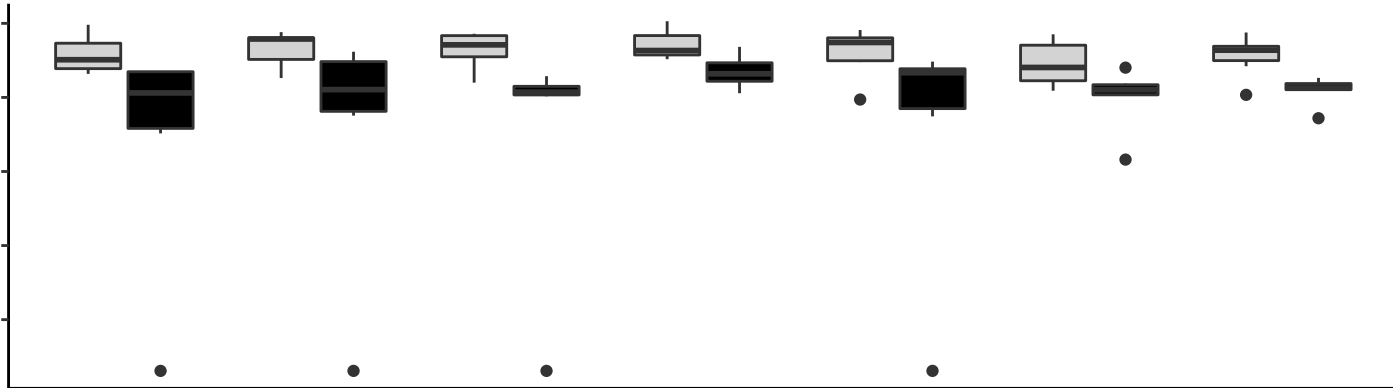
SOS2

Genes Expression

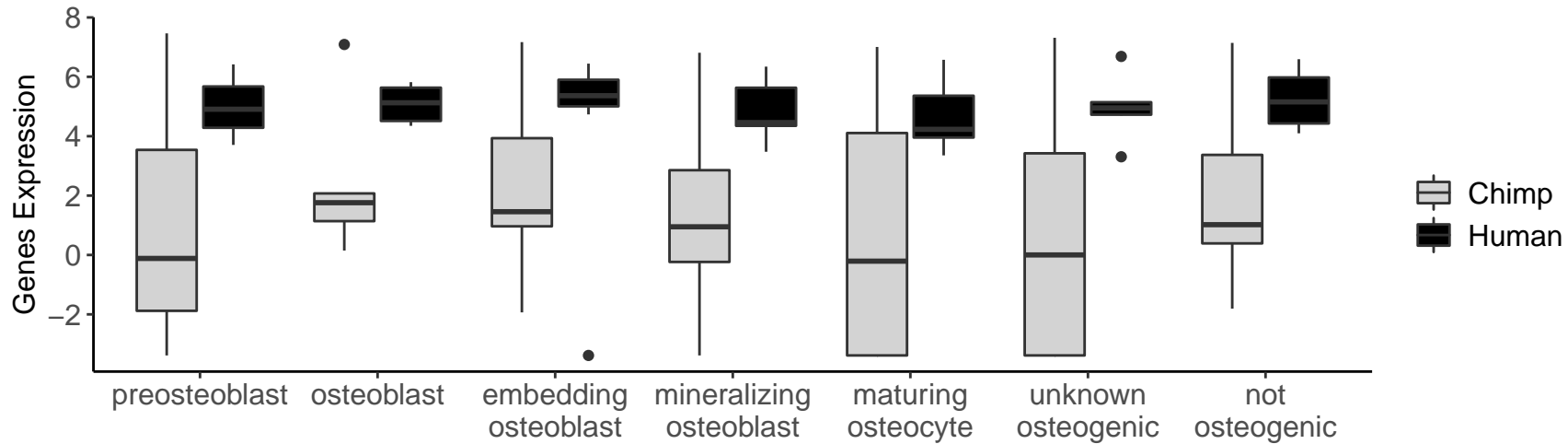
6  
4  
2  
0  
-2

preosteoblast osteoblast embedding  
osteoblast mineralizing  
osteoblast maturing  
osteocyte unknown  
osteogenic not  
osteogenic

Chimp  
Human

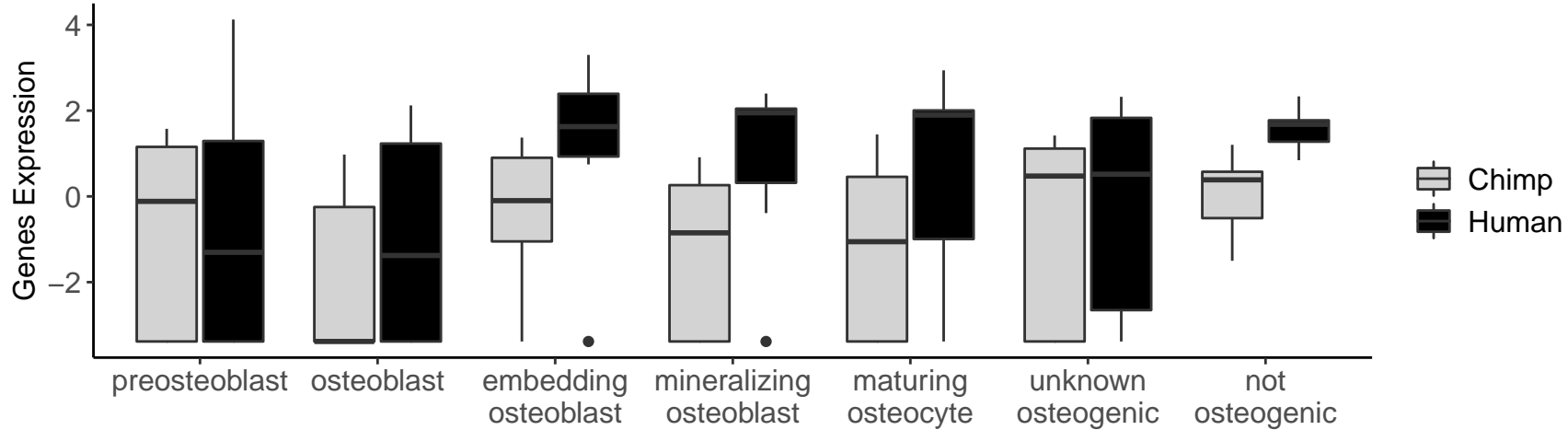


## SPHK1

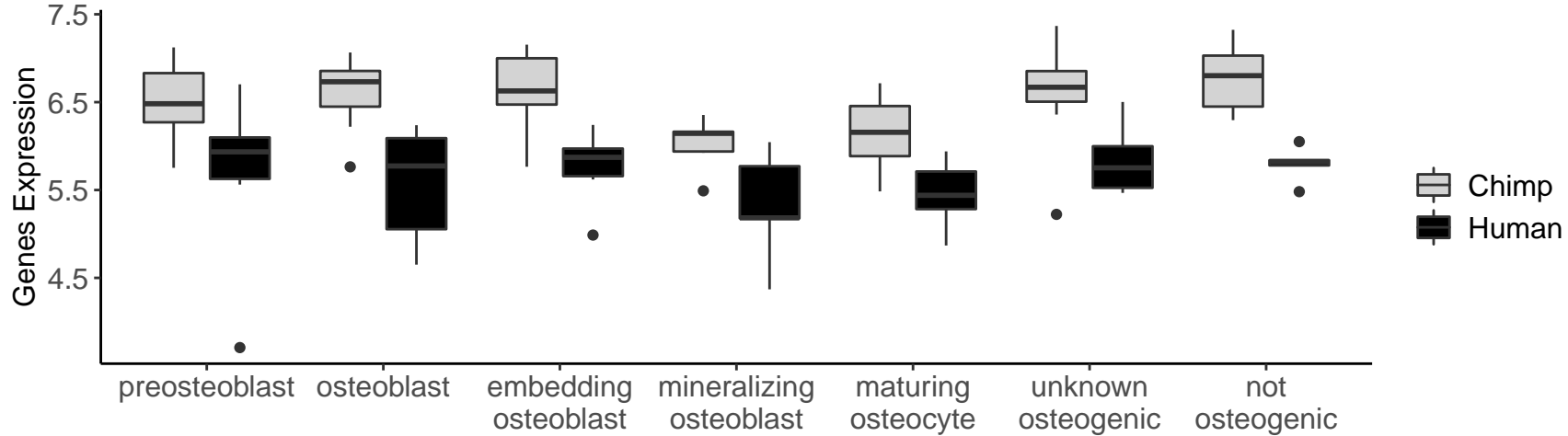




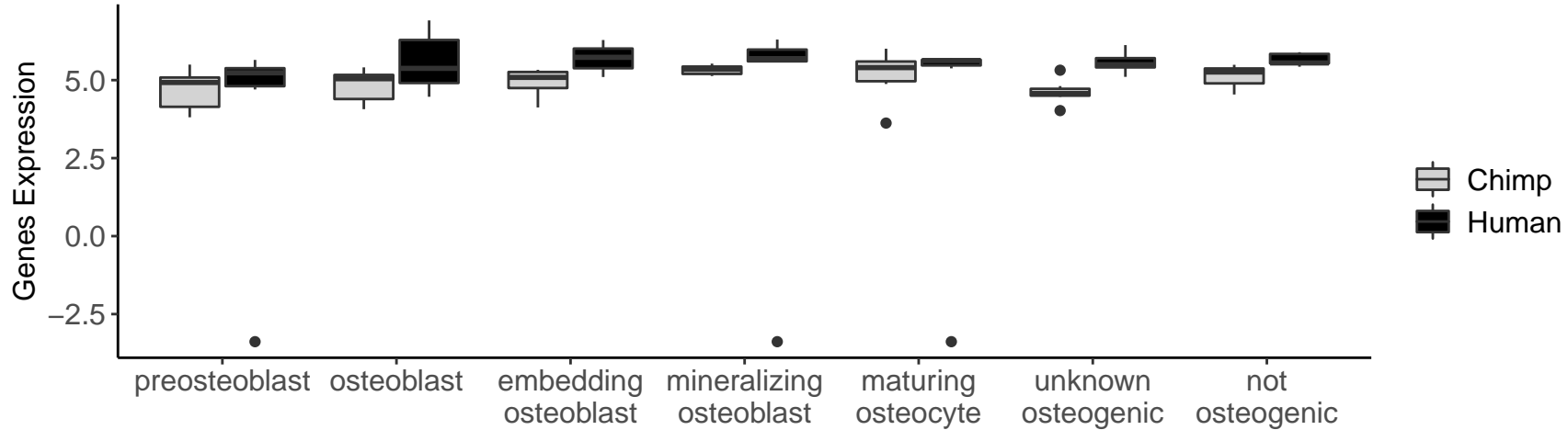
## SSC4D



## STK16

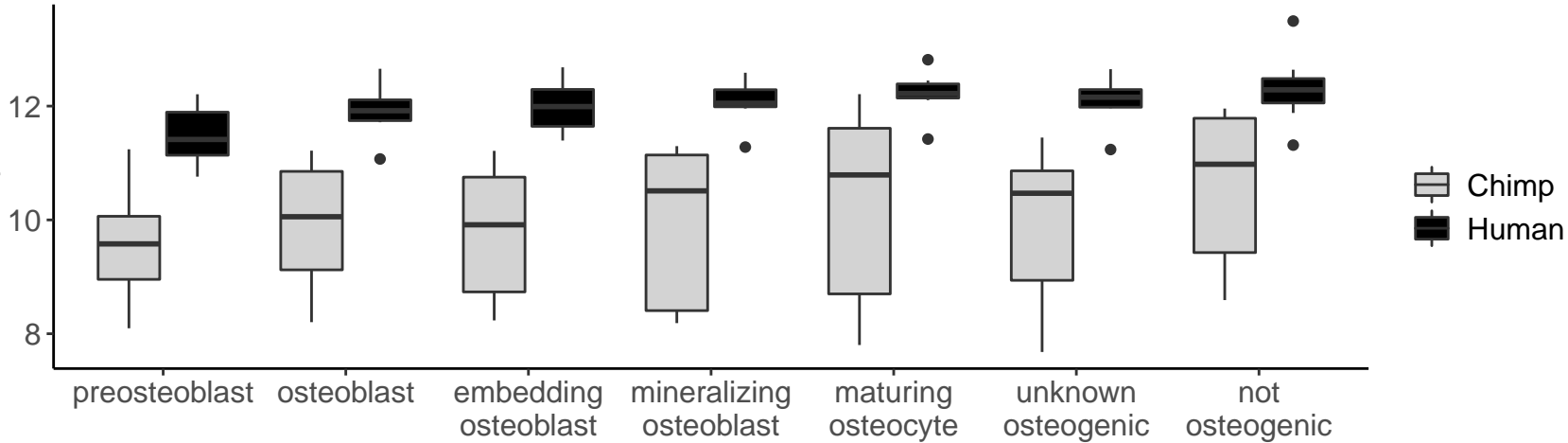


# TNFAIP1

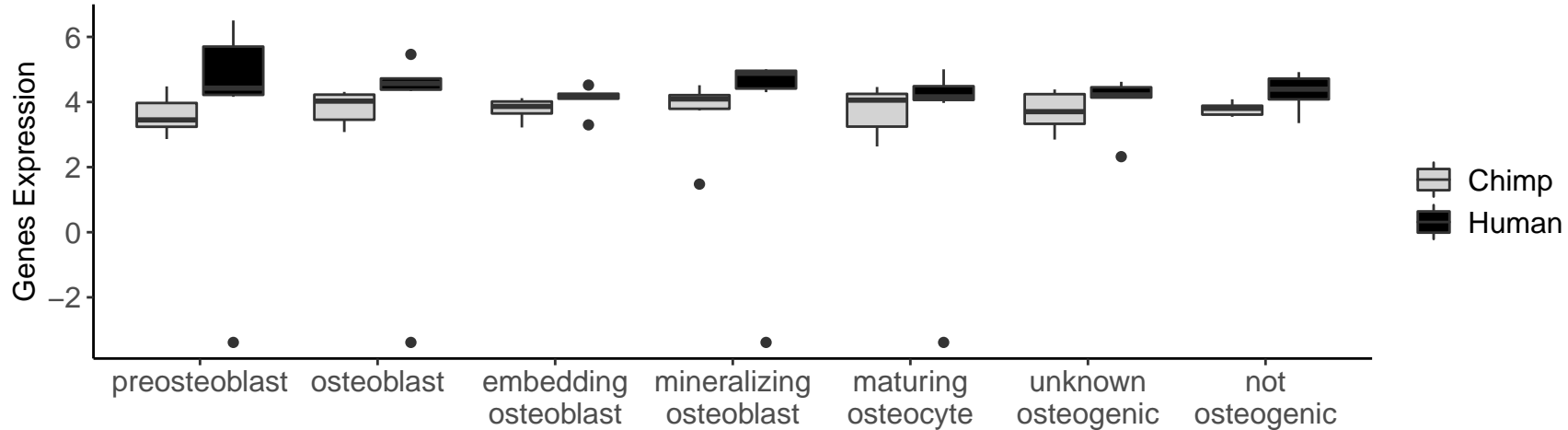


TPM2

Genes Expression

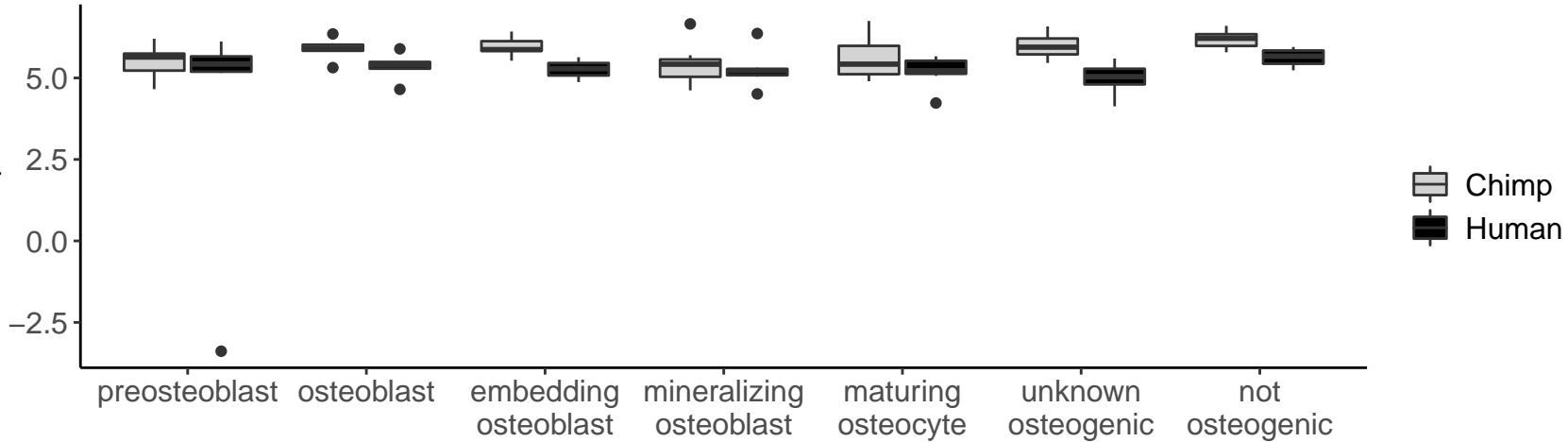


# TRIM32



TSR2

Genes Expression



USE1

Genes Expression

preosteoblast   osteoblast   embedding  
osteoblast   mineralizing  
osteoblast   maturing  
osteocyte   unknown  
osteogenic   not  
osteogenic

Chimp  
Human

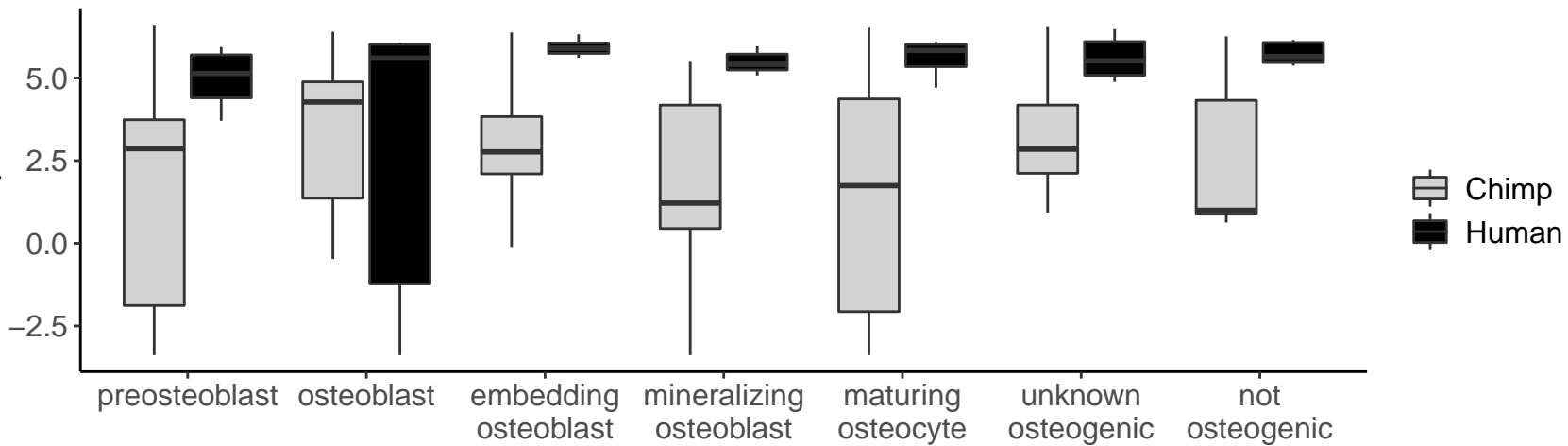
8

4

0

# VEGFC

Genes Expression





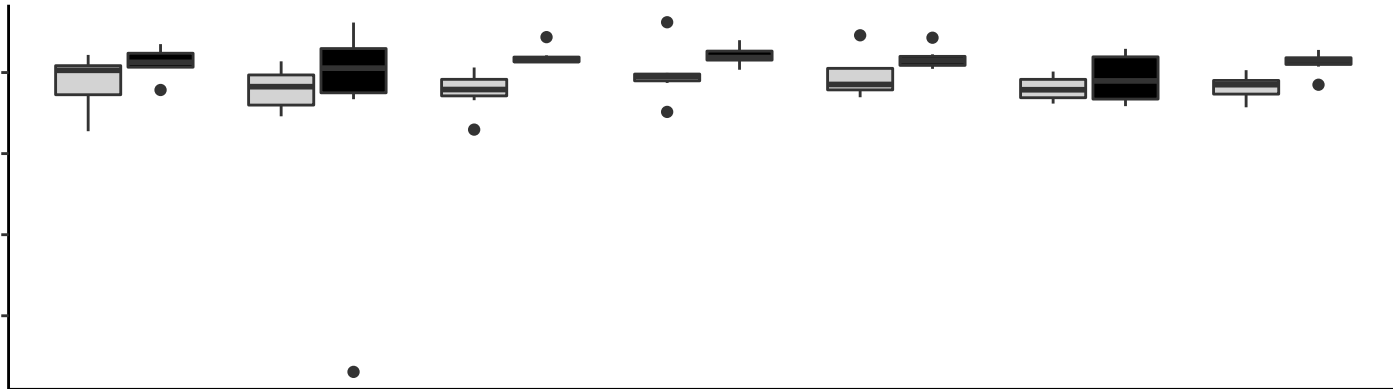
WRN

Genes Expression

4  
2  
0  
-2

Chimp  
Human

preosteoblast osteoblast embedding  
osteoblast mineralizing  
osteoblast maturing  
osteocyte unknown  
osteogenic not  
osteogenic



ZYX

Genes Expression

8  
7  
6  
5

preosteoblast

osteoblast

embedding  
osteoblast

mineralizing  
osteoblast

maturing  
osteocyte

unknown  
osteogenic

not  
osteogenic

Chimp  
Human

