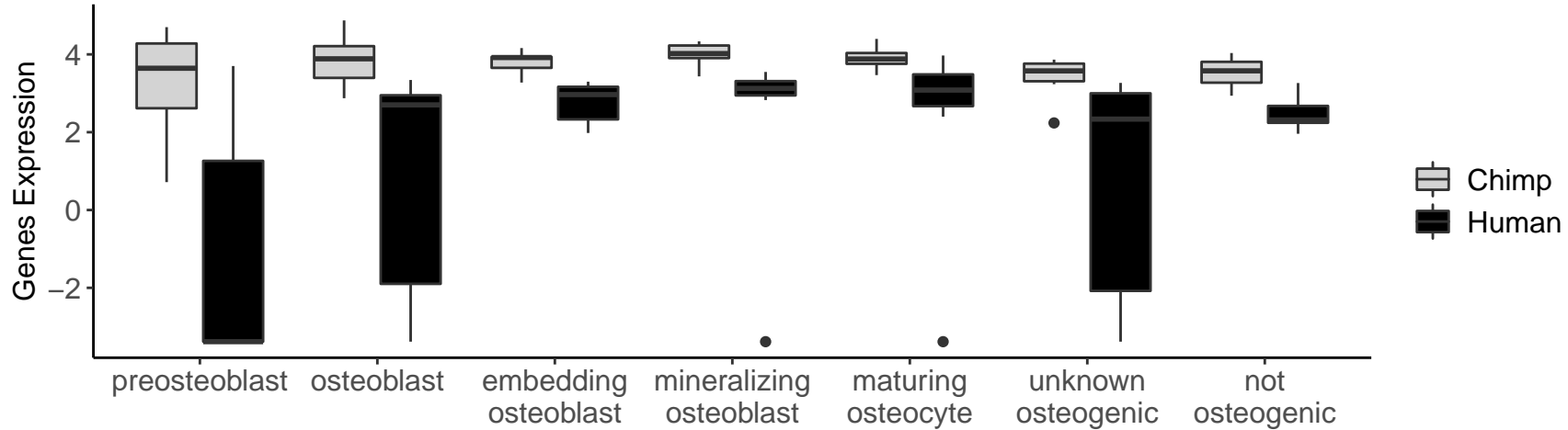
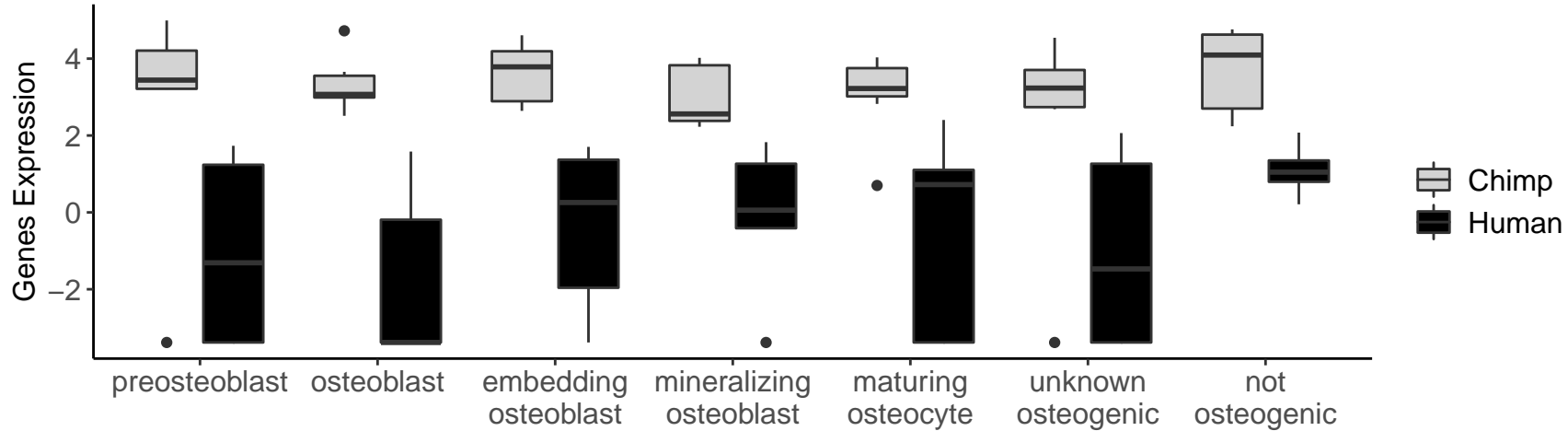


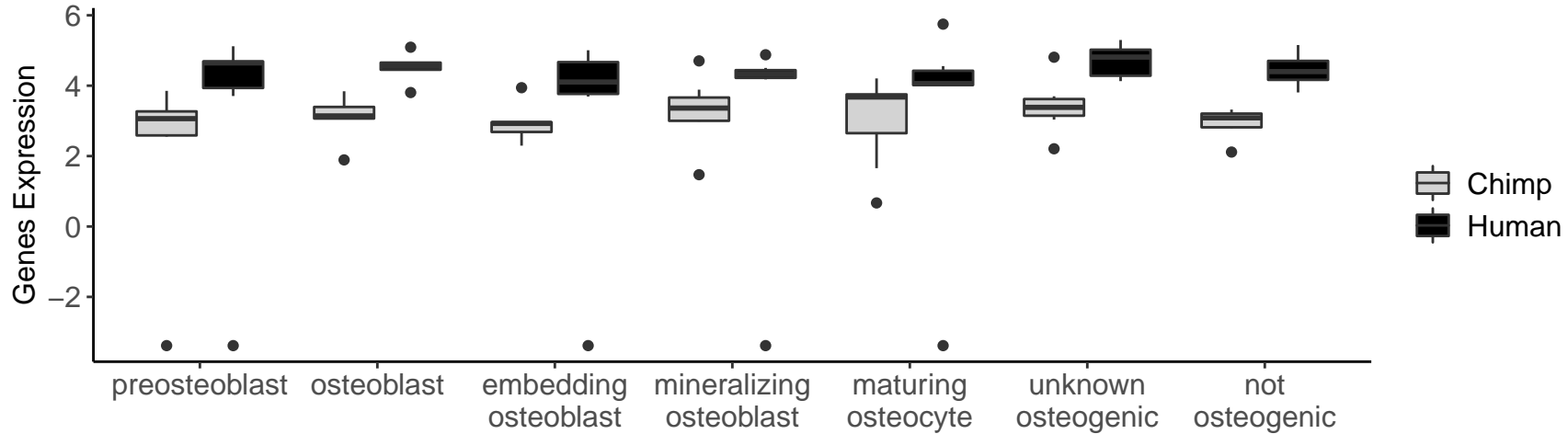
ABHD18



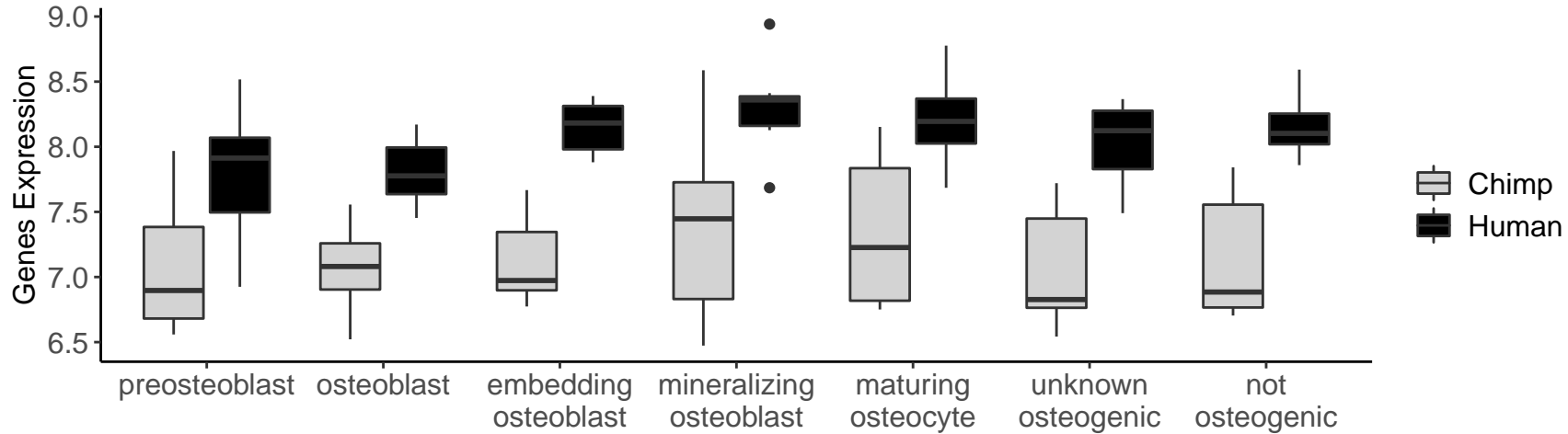
AC233723.1



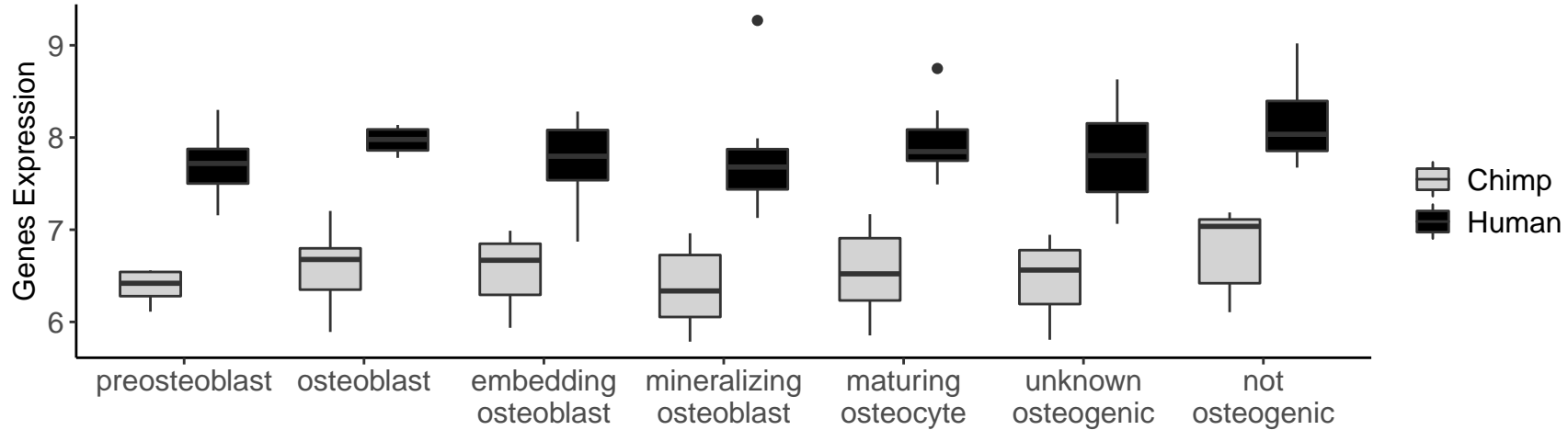
ACAD8



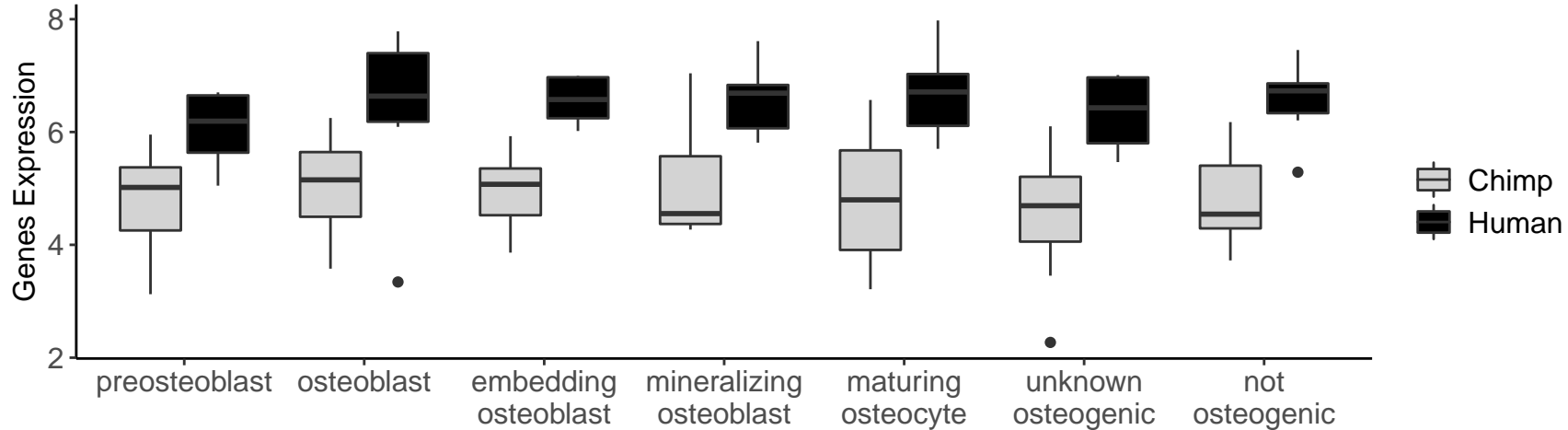
ACTR2



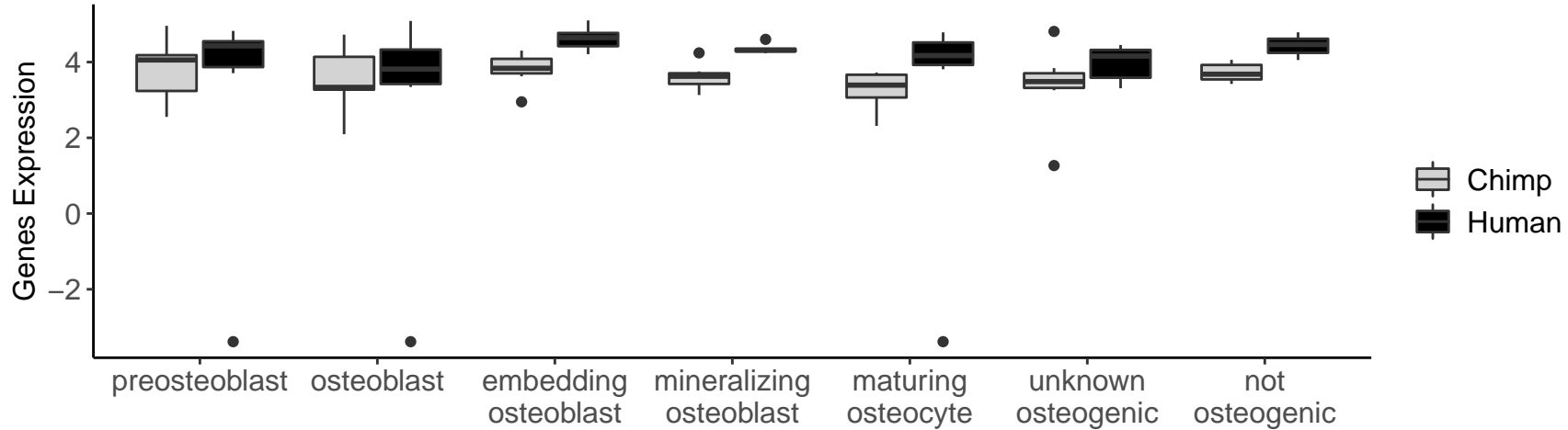
ADI1



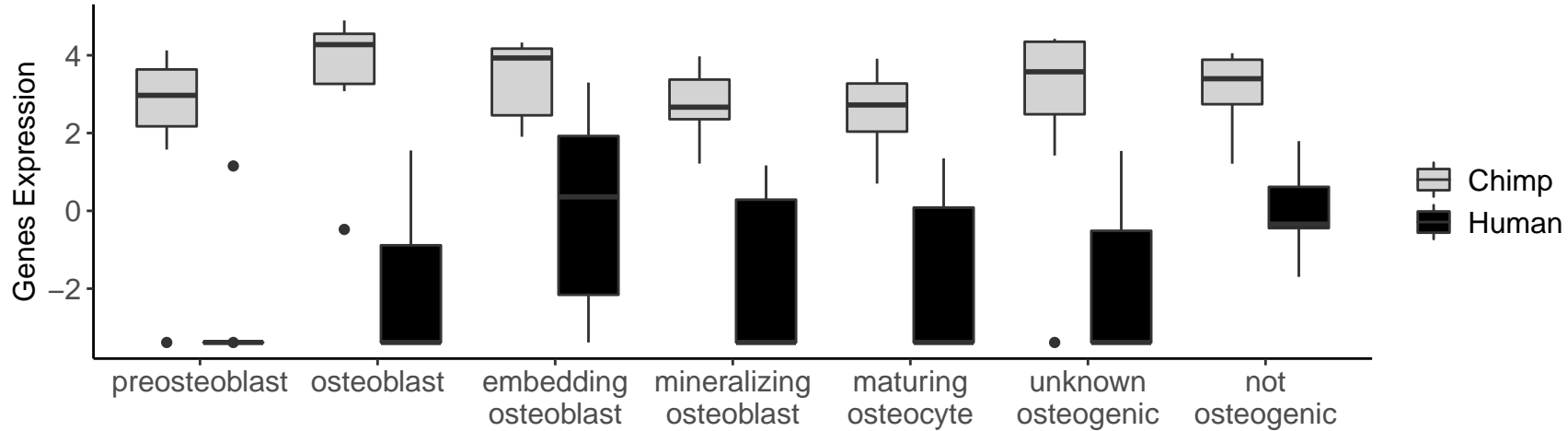
AFAP1



AP4M1



APOBEC3G



ARID3B

Genes Expression

4
2
0
-2

preosteoblast

osteoblast

embedding
osteoblast

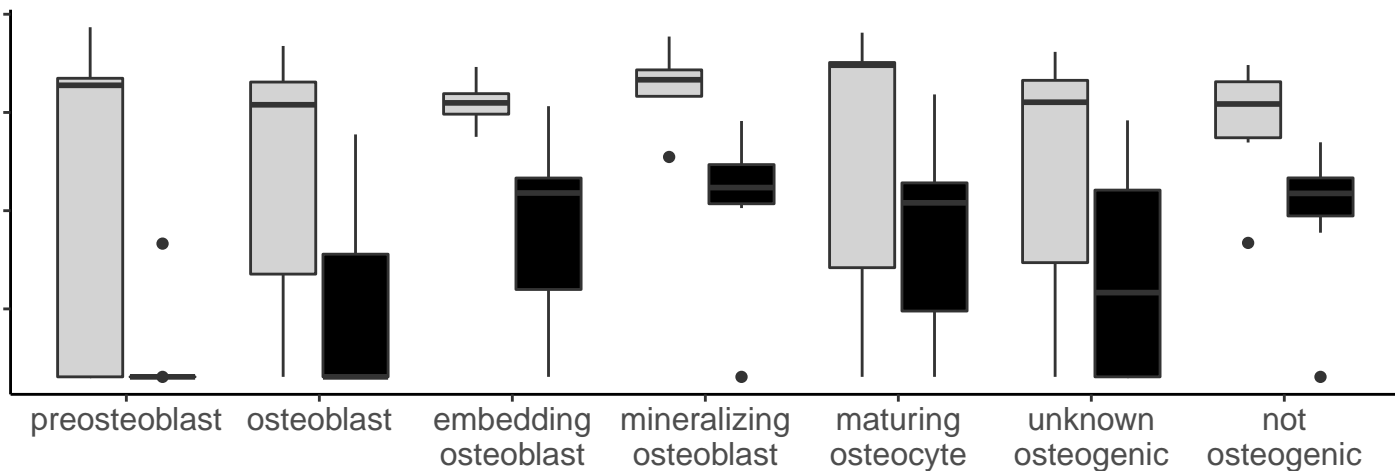
mineralizing
osteoblast

maturing
osteocyte

unknown
osteogenic

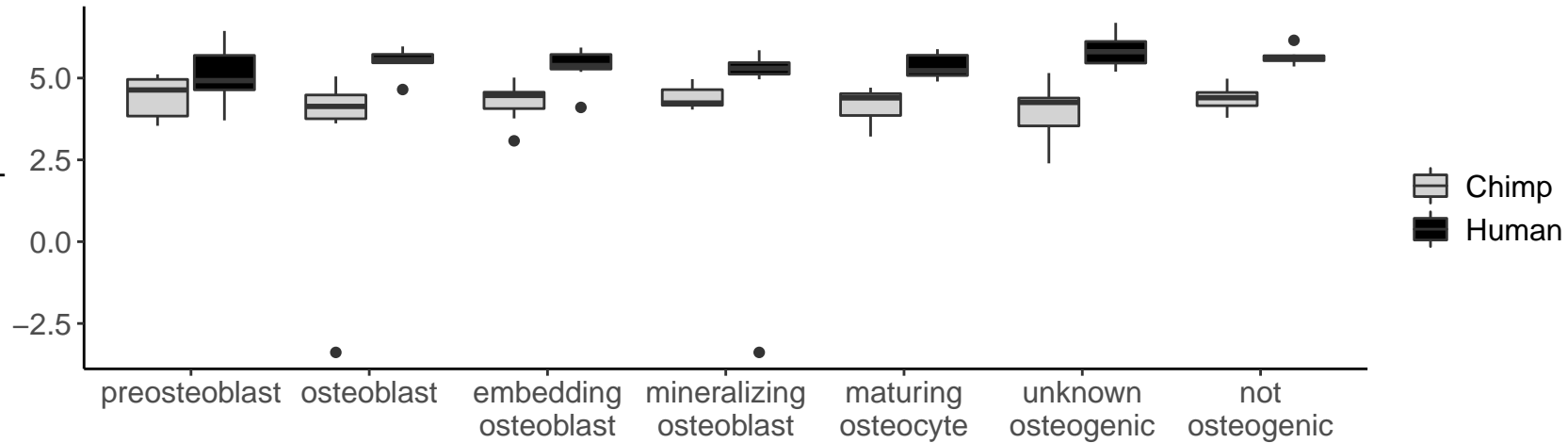
not
osteogenic

Chimp
Human



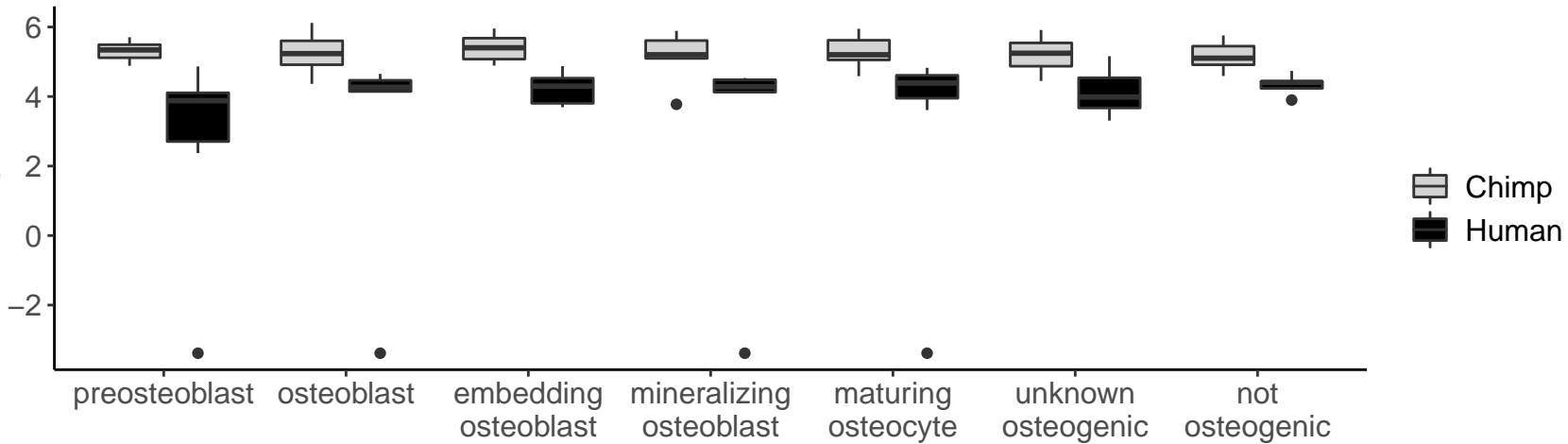
ARV1

Genes Expression



ATE1

Genes Expression



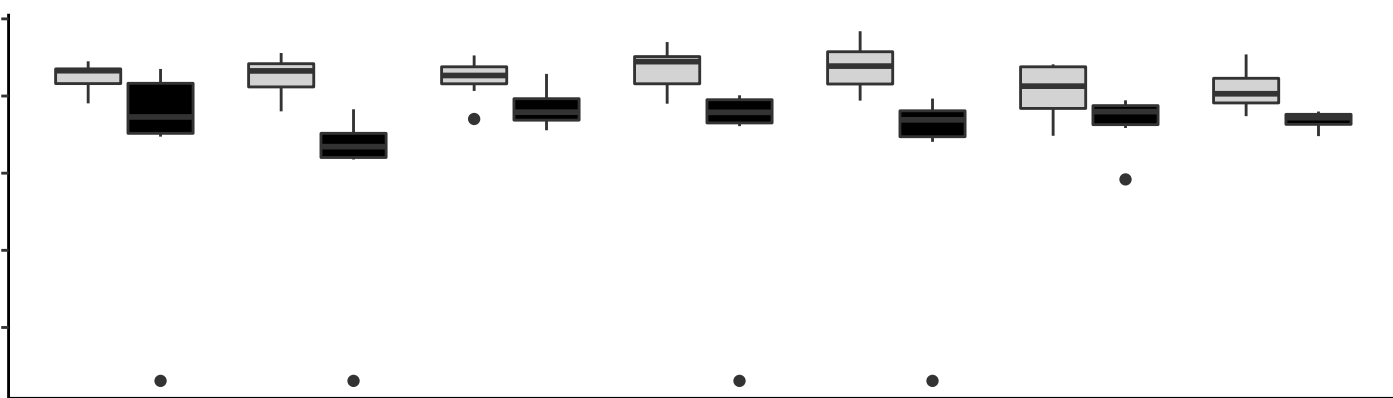
ATG2A

Genes Expression

6
4
2
0
-2

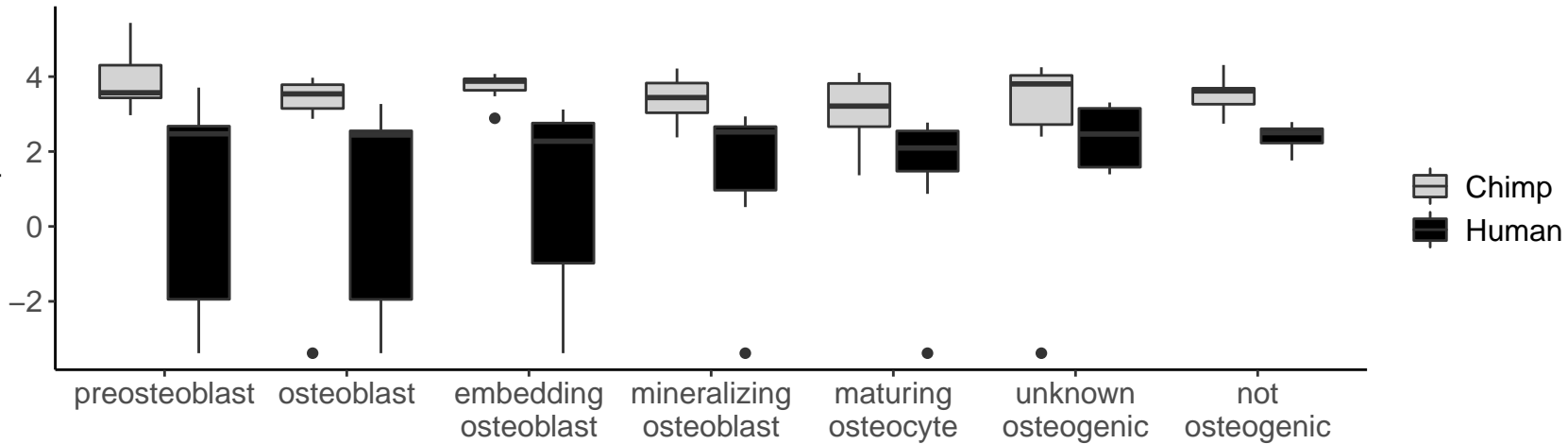
preosteoblast osteoblast embedding
osteoblast mineralizing
osteoblast maturing
osteocyte unknown
osteogenic not
osteogenic

Chimp
Human

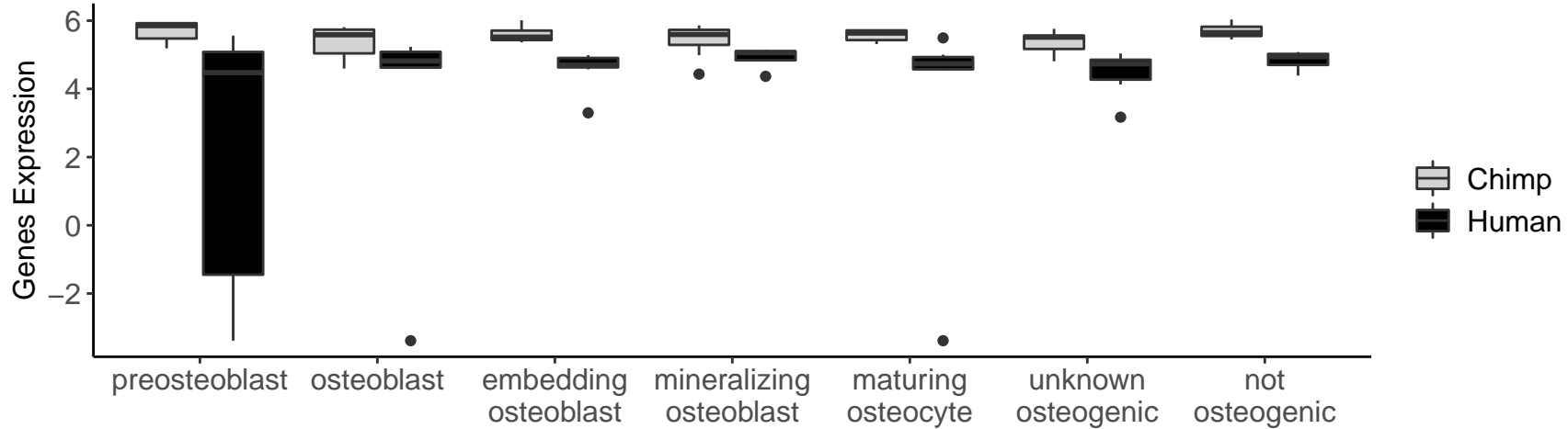


BBS12

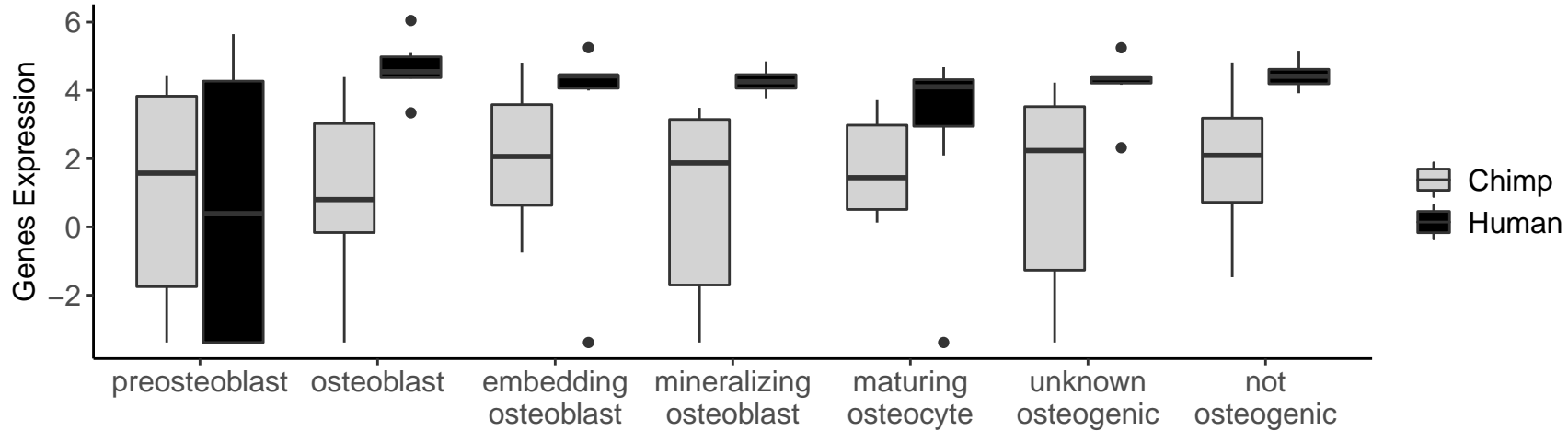
Genes Expression



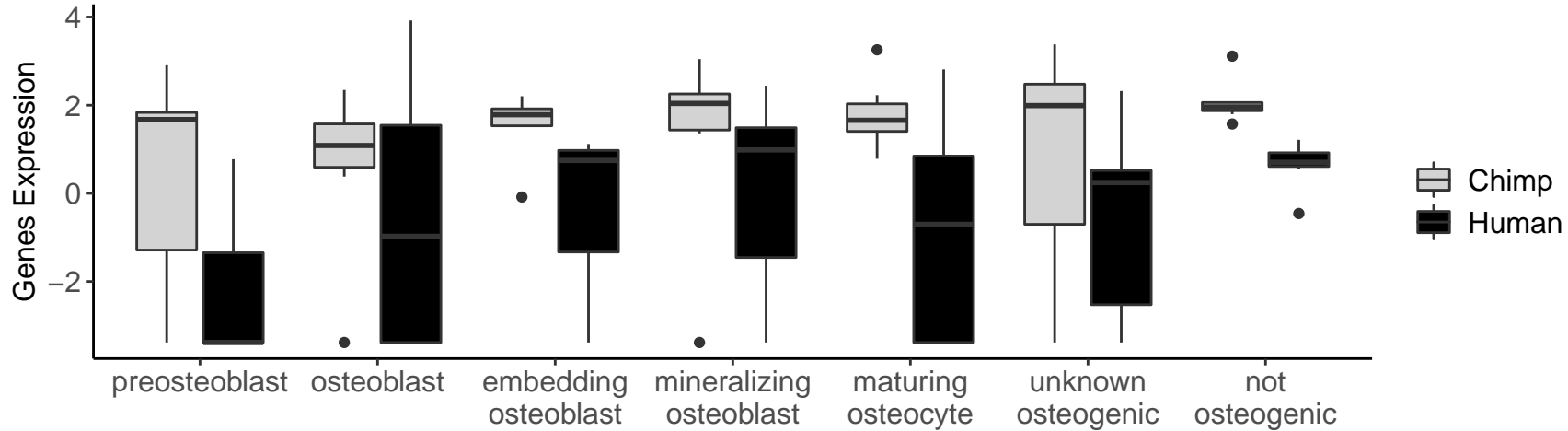
BCL2L13



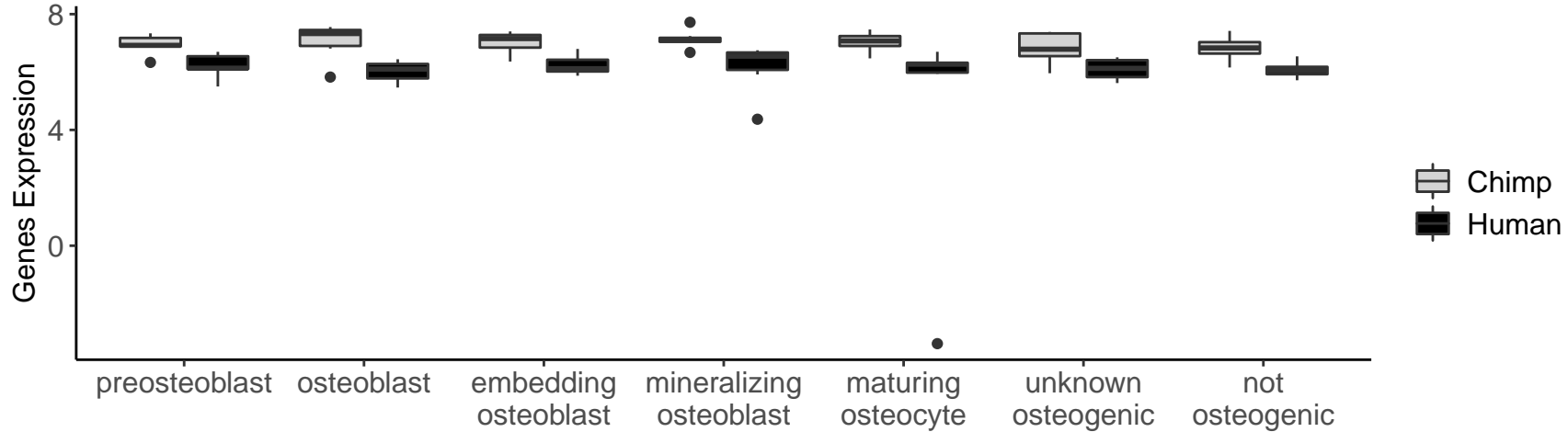
BMERB1



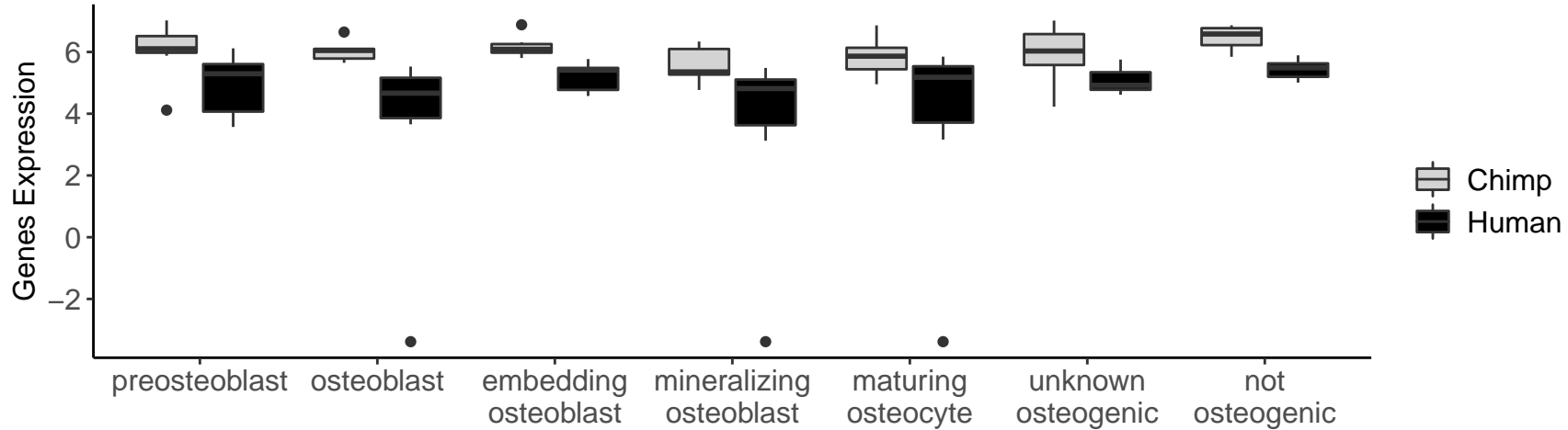
BORA



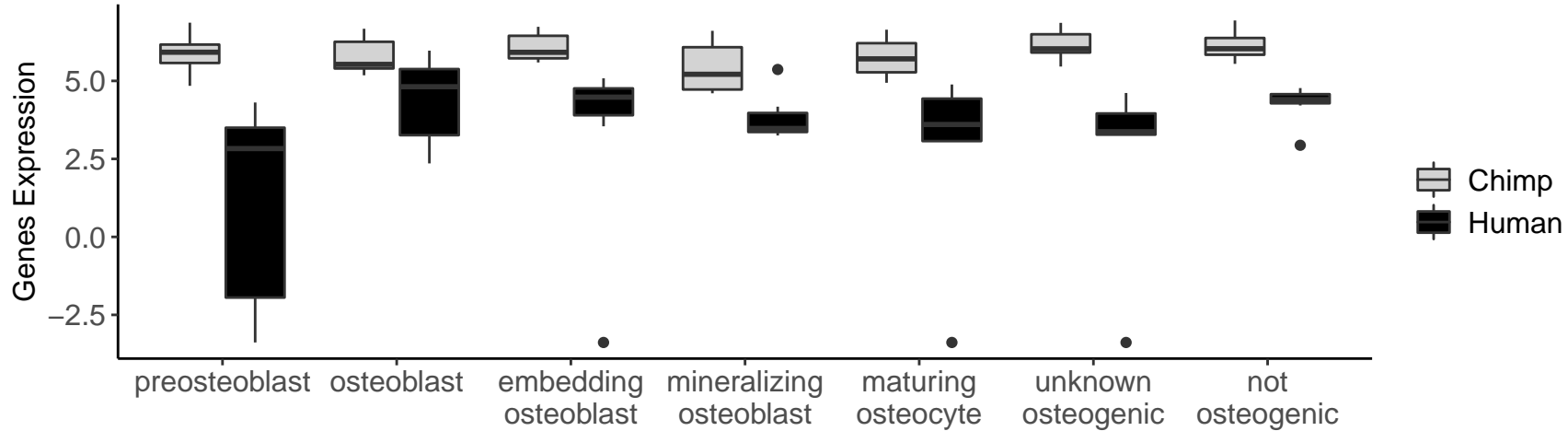
BRD2



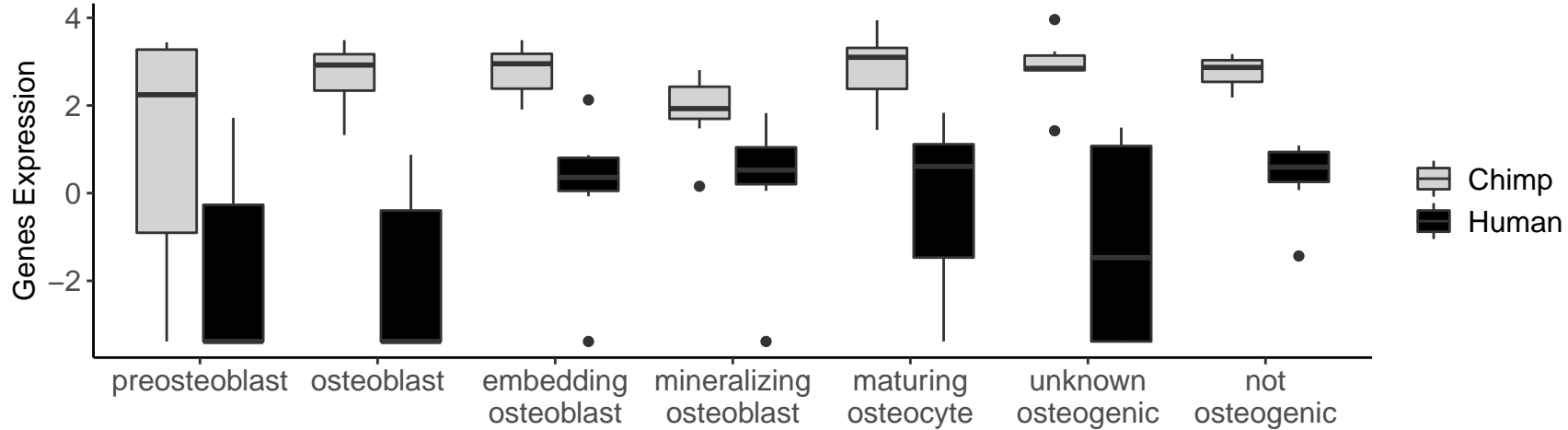
C3orf14



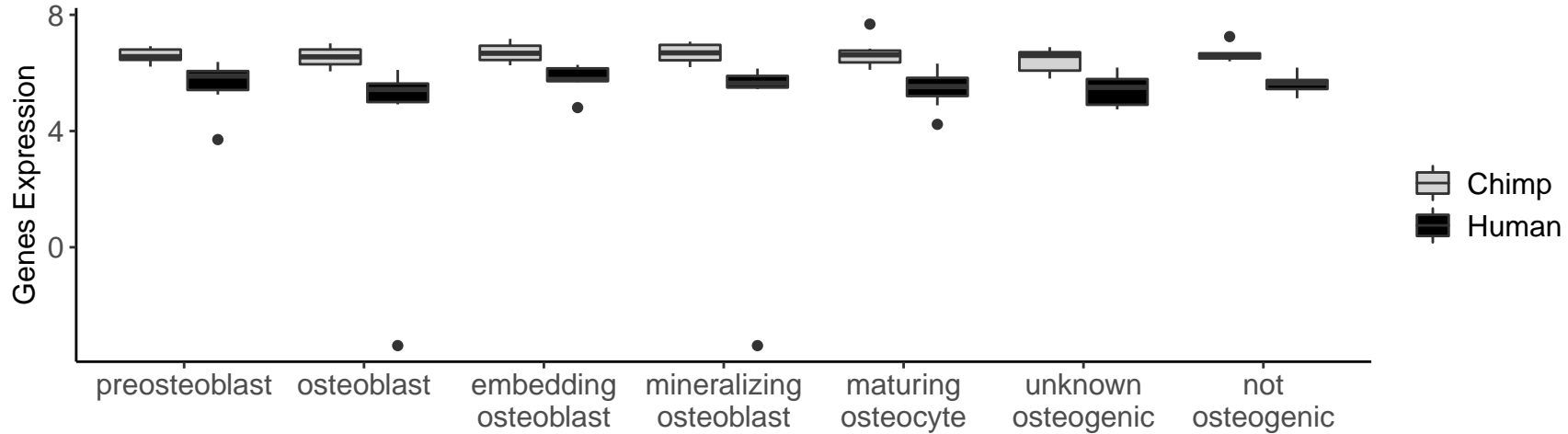
C5orf38



C7orf31



CAMK2D



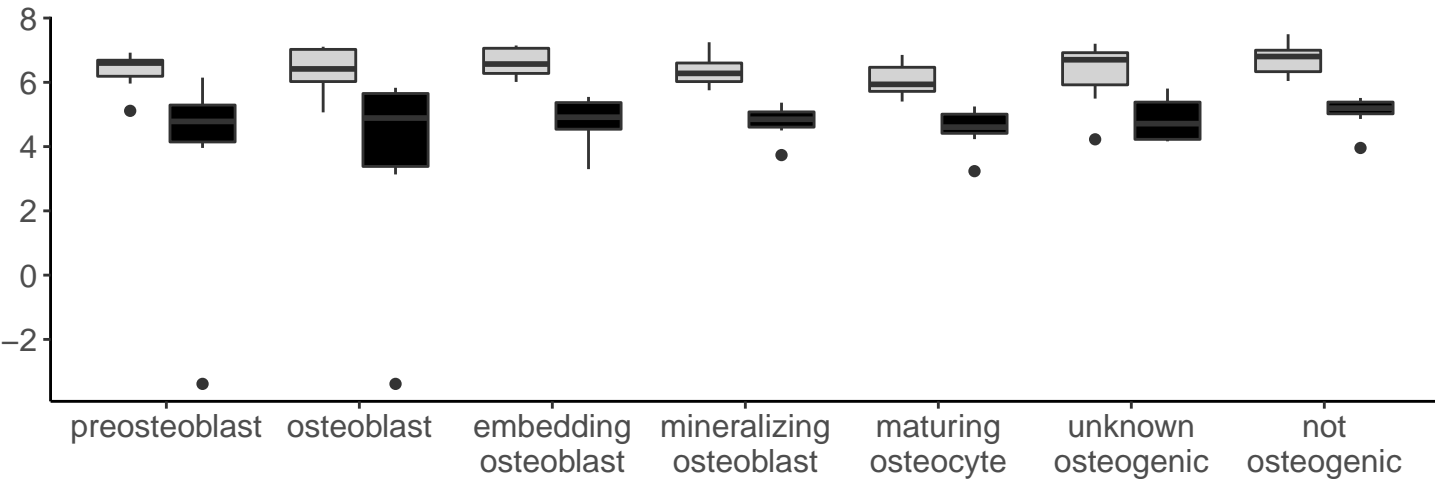
CASP4

Genes Expression

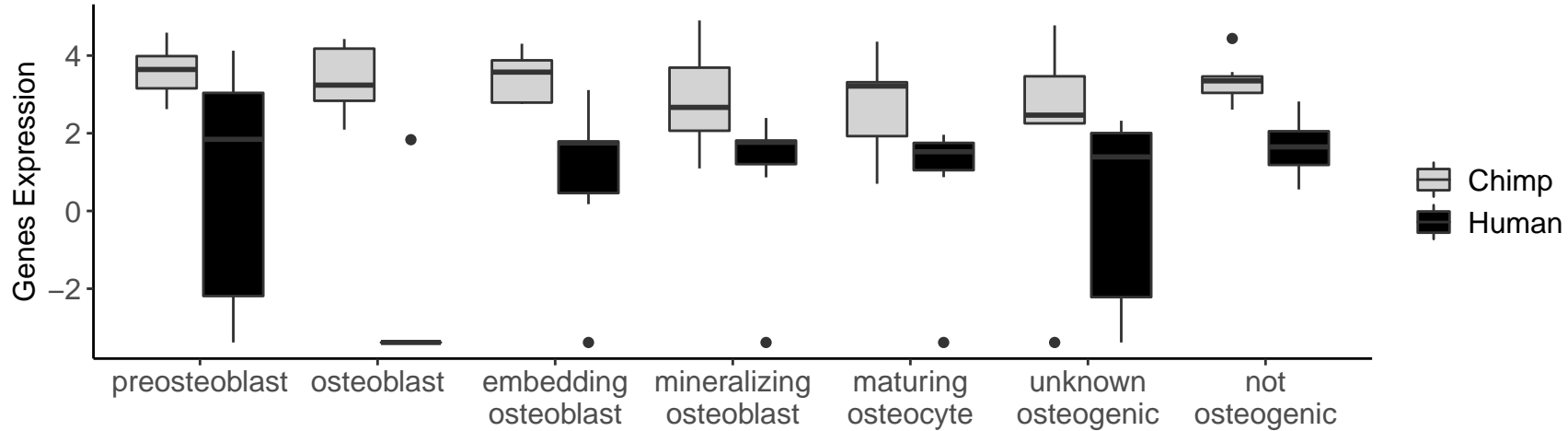
8
6
4
2
0
-2

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

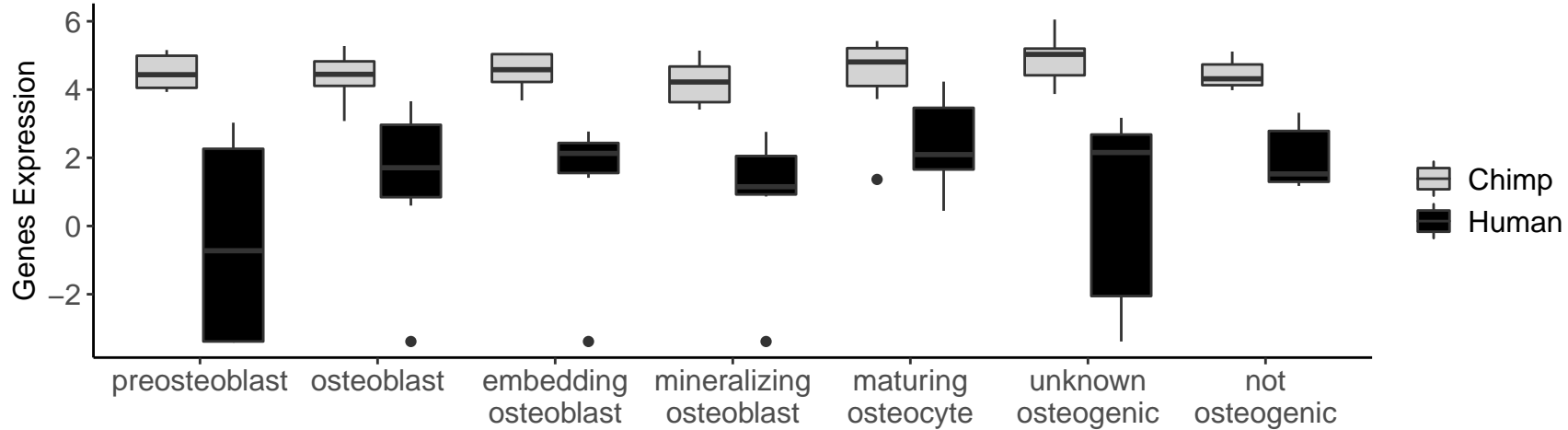
Chimp
Human



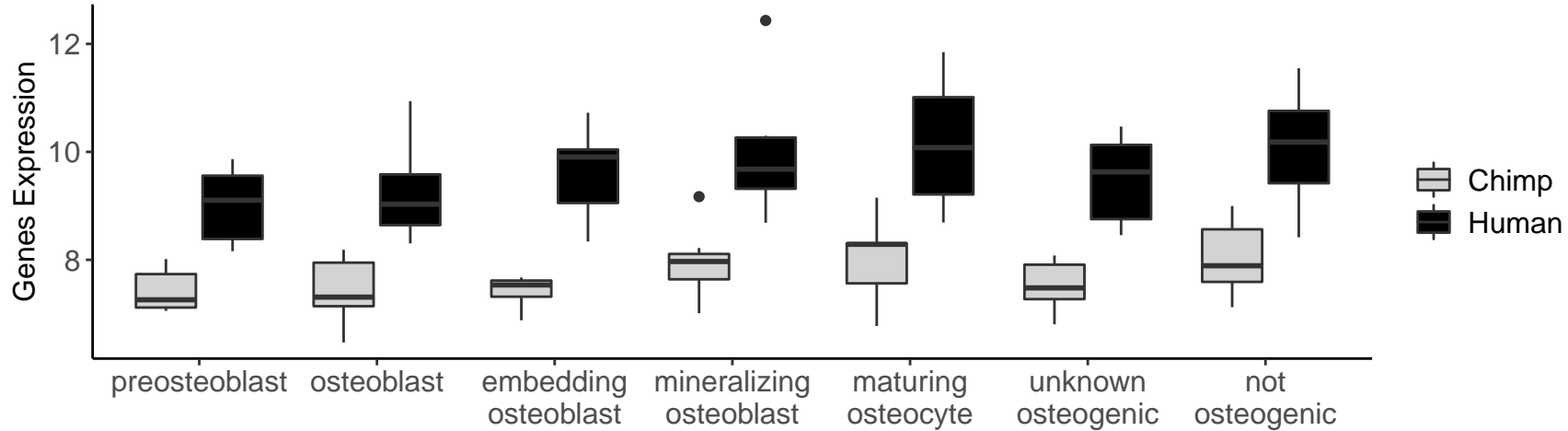
CCDC121



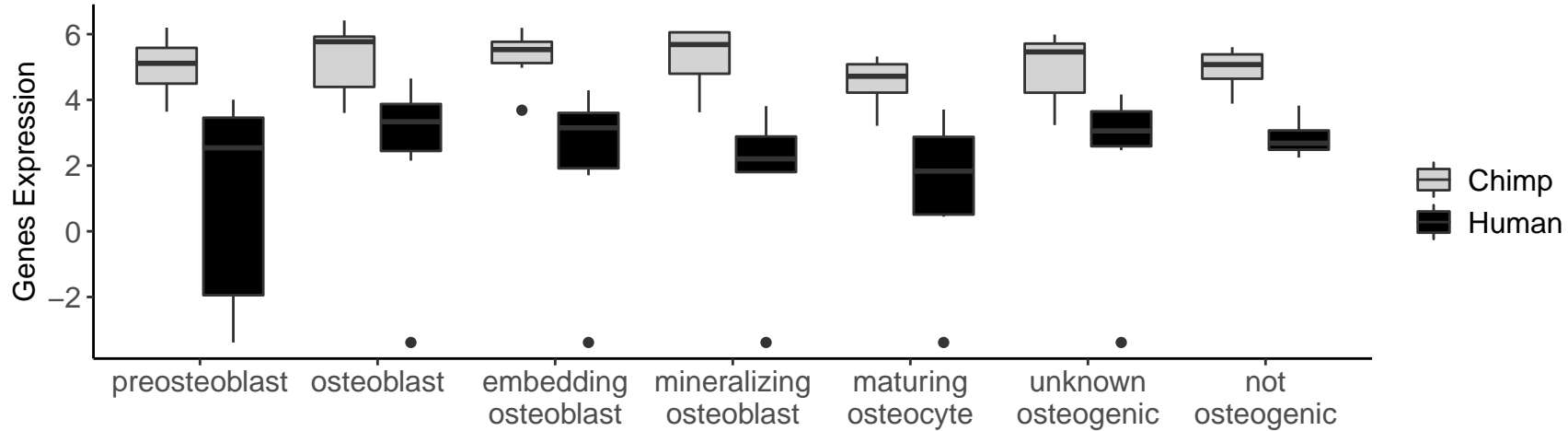
CCDC189



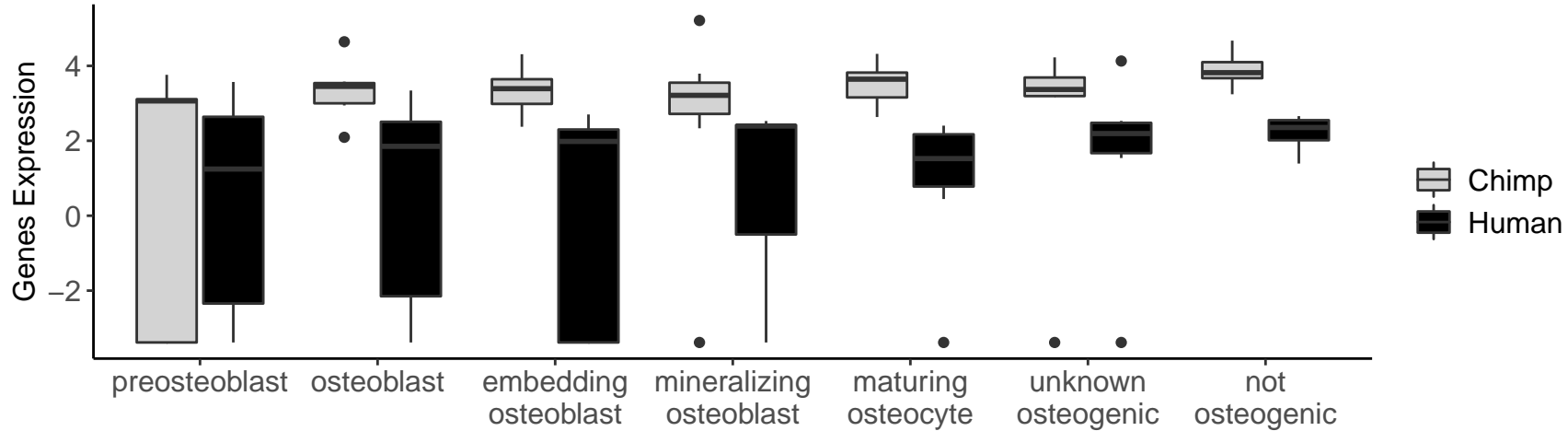
CCND1



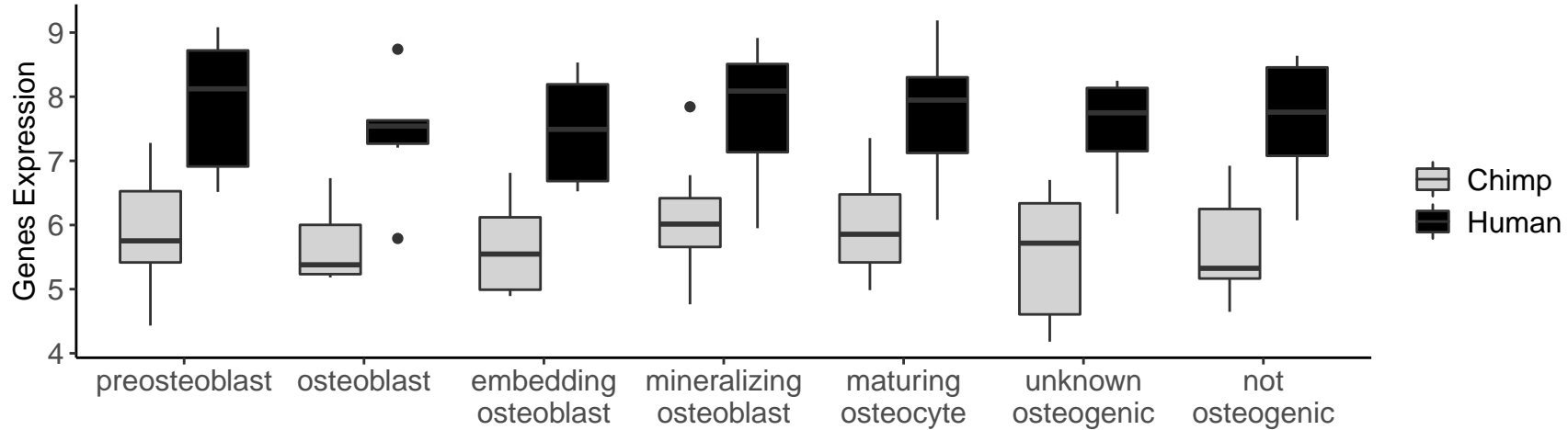
CDC42EP4



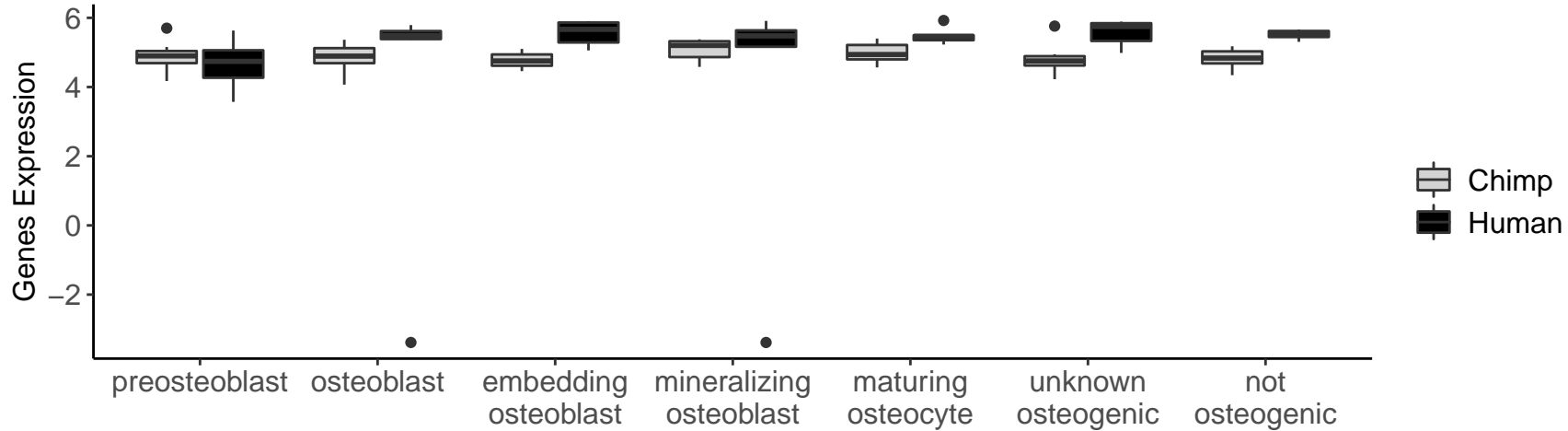
CDK2



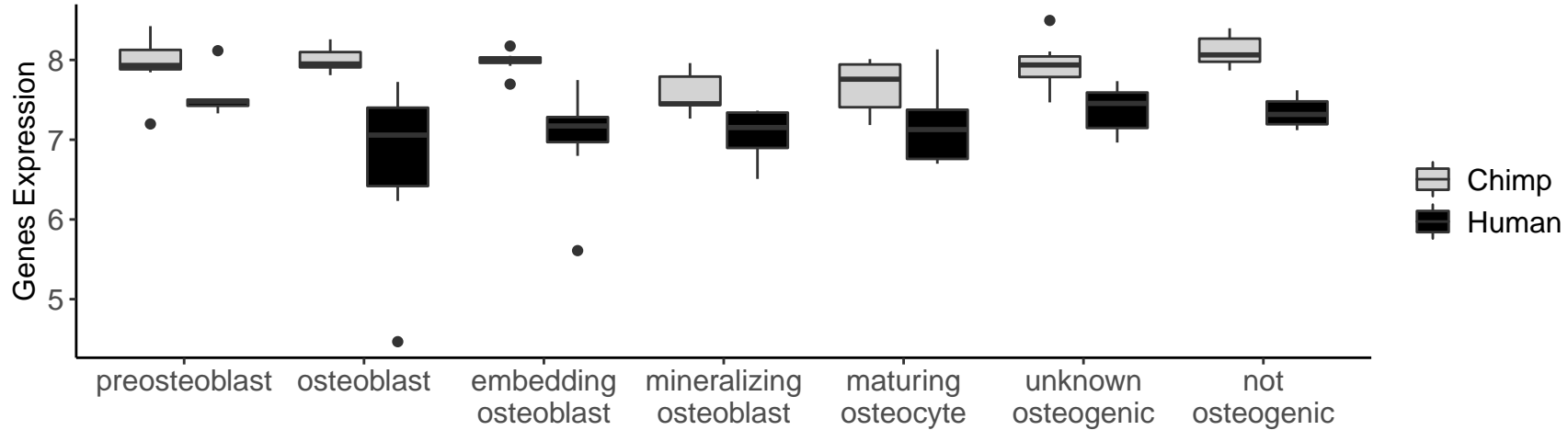
CDK6



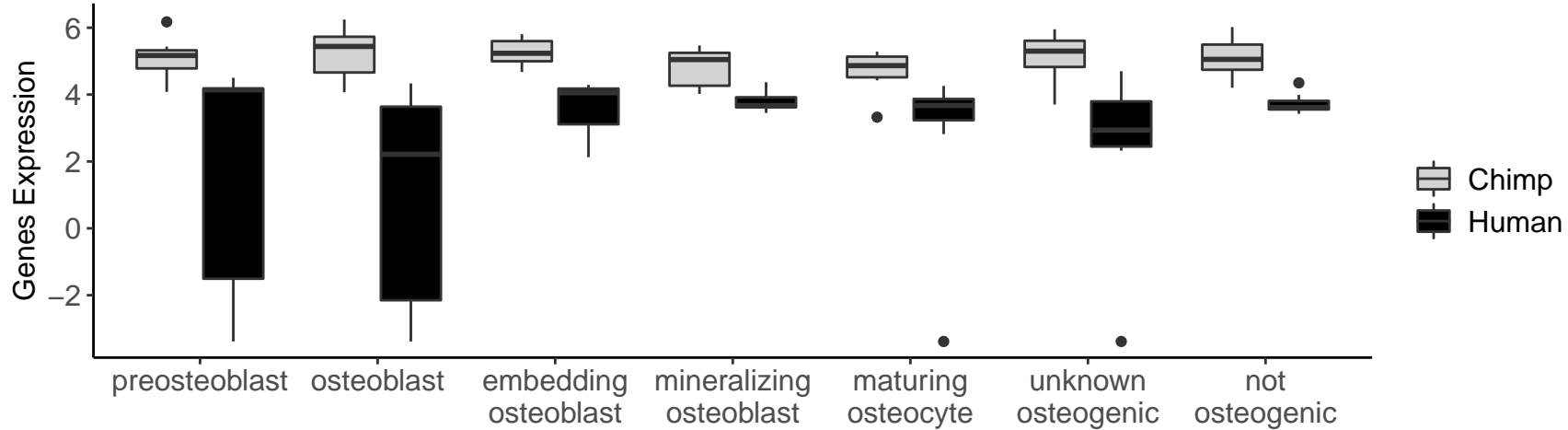
CERS5



CHURC1

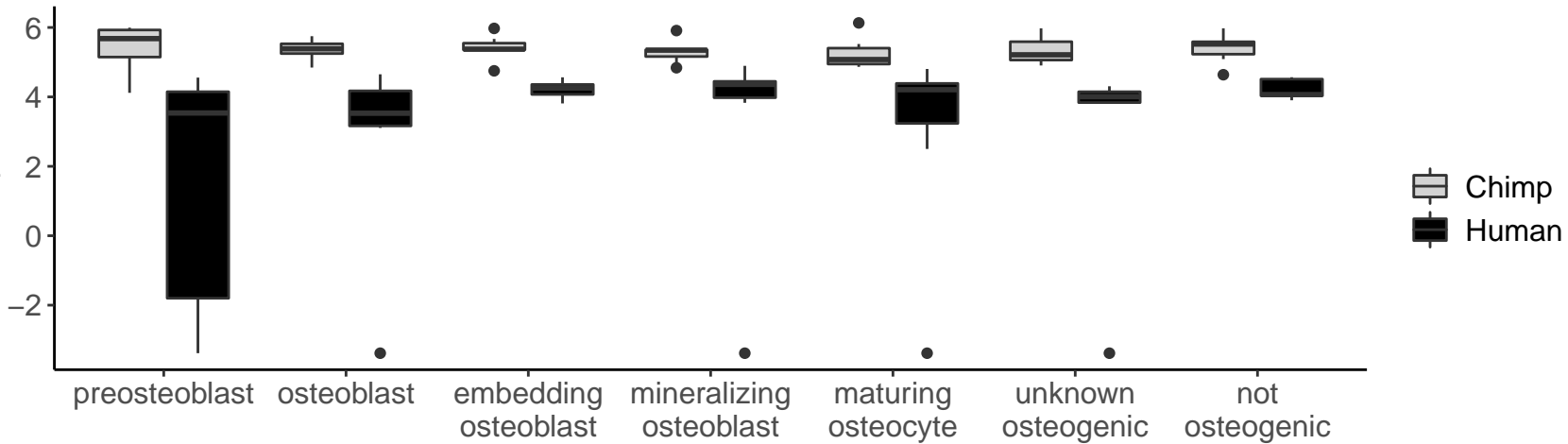


COPG2

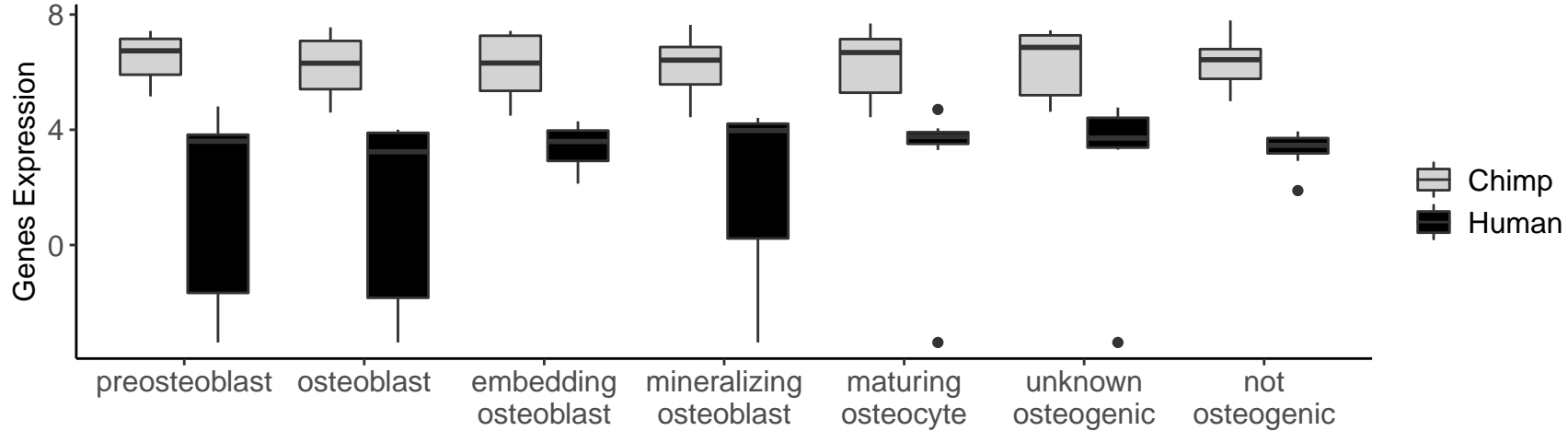


COX15

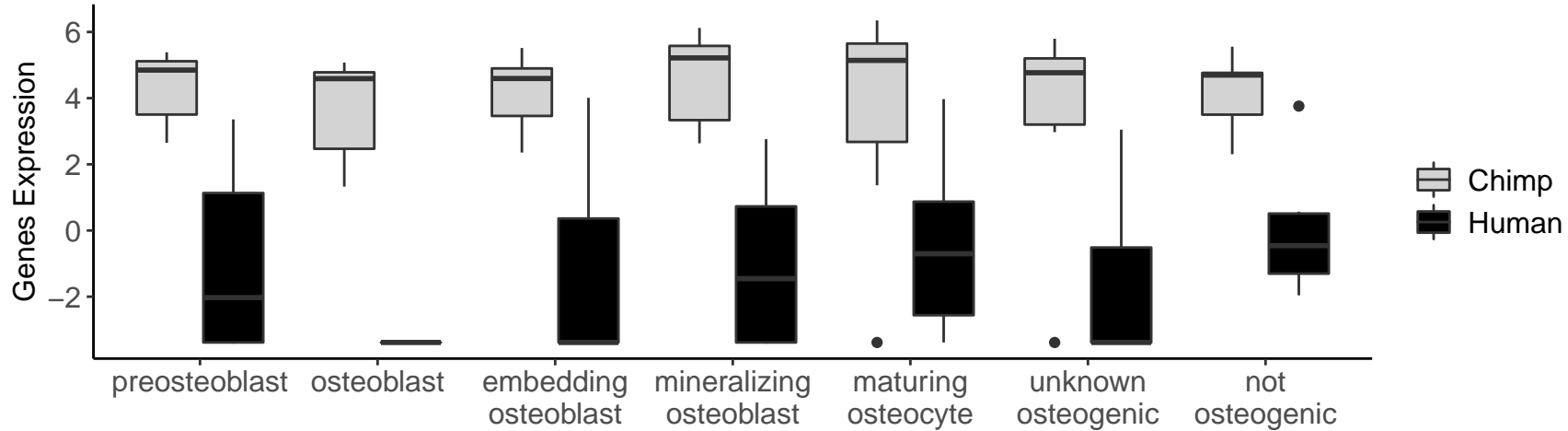
Genes Expression



CPT1C

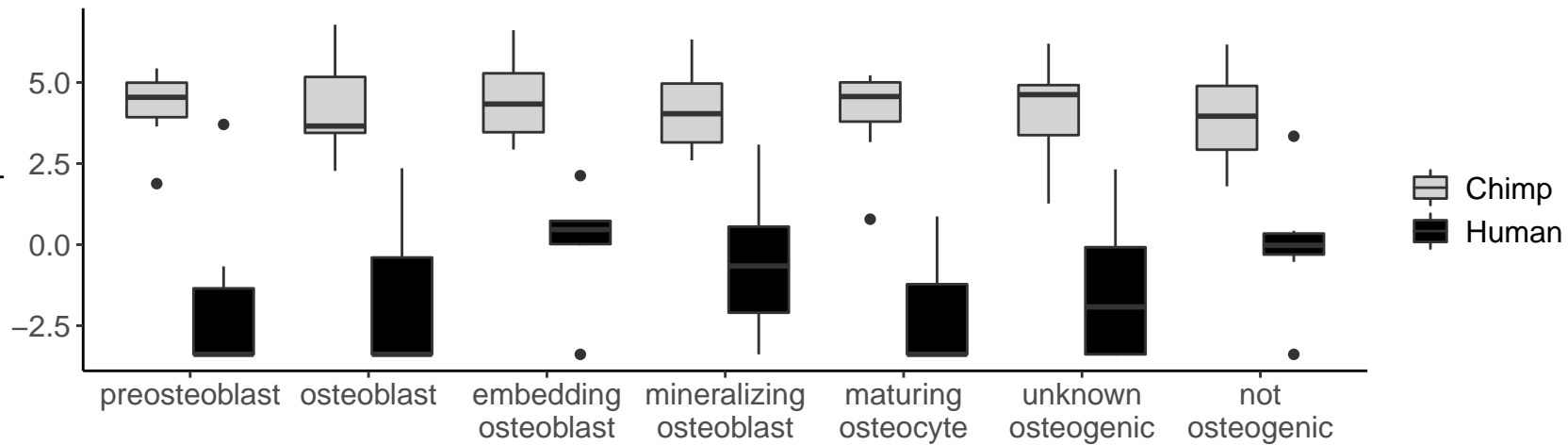


CSGALNACT1

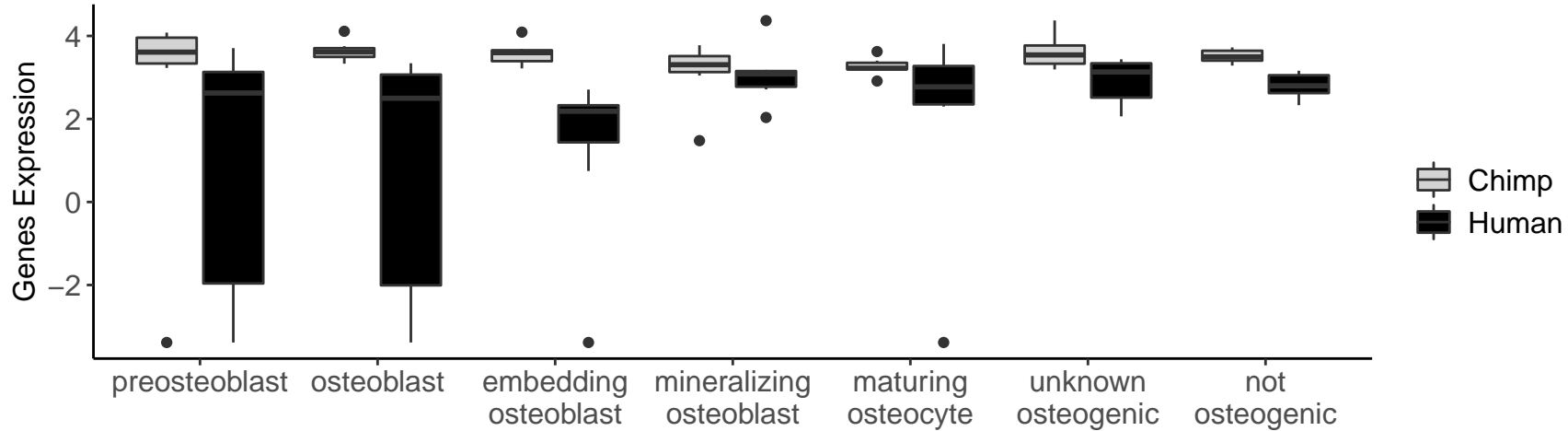


CTSV

Genes Expression

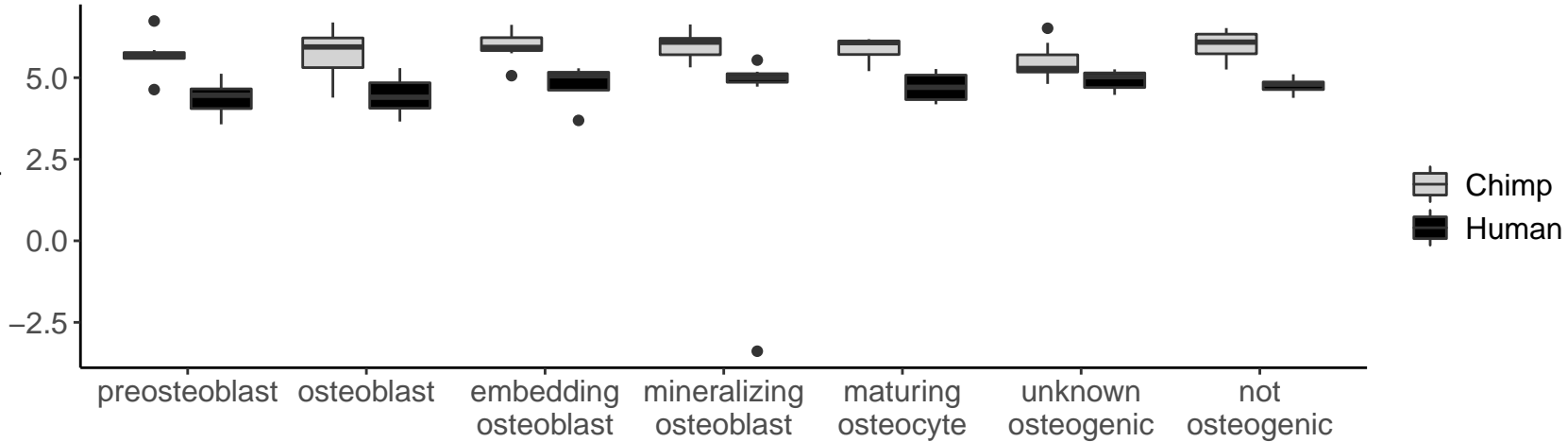


CXorf56

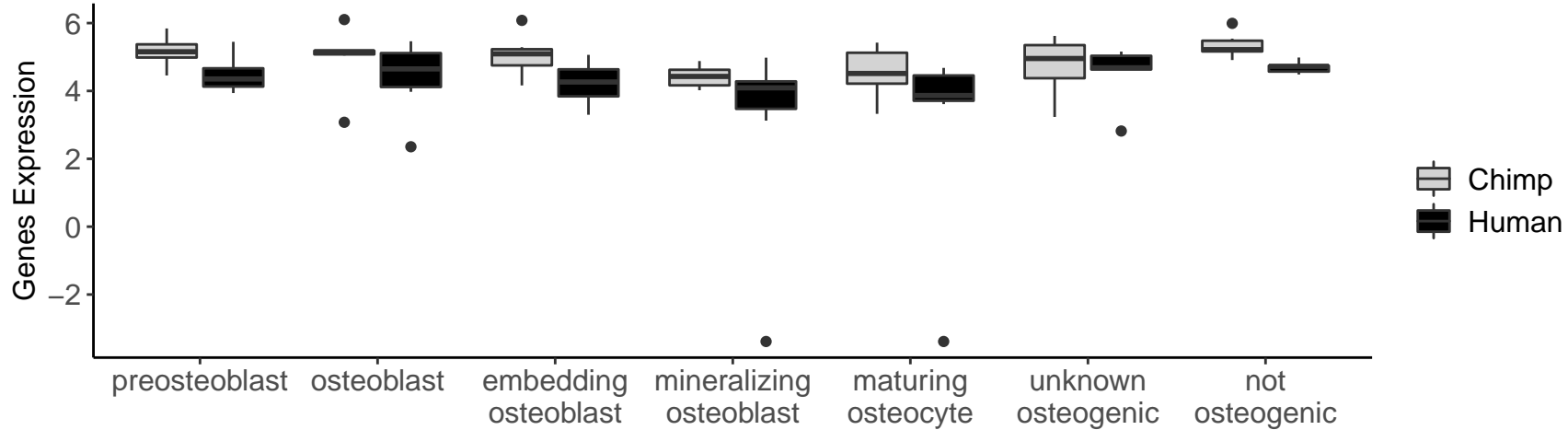


DAXX

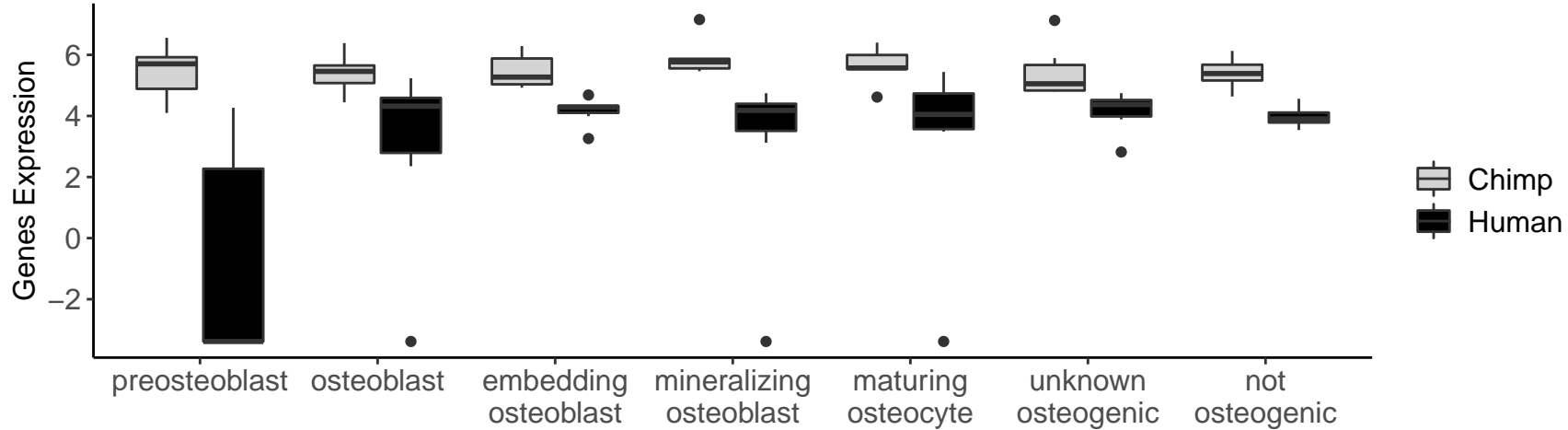
Genes Expression



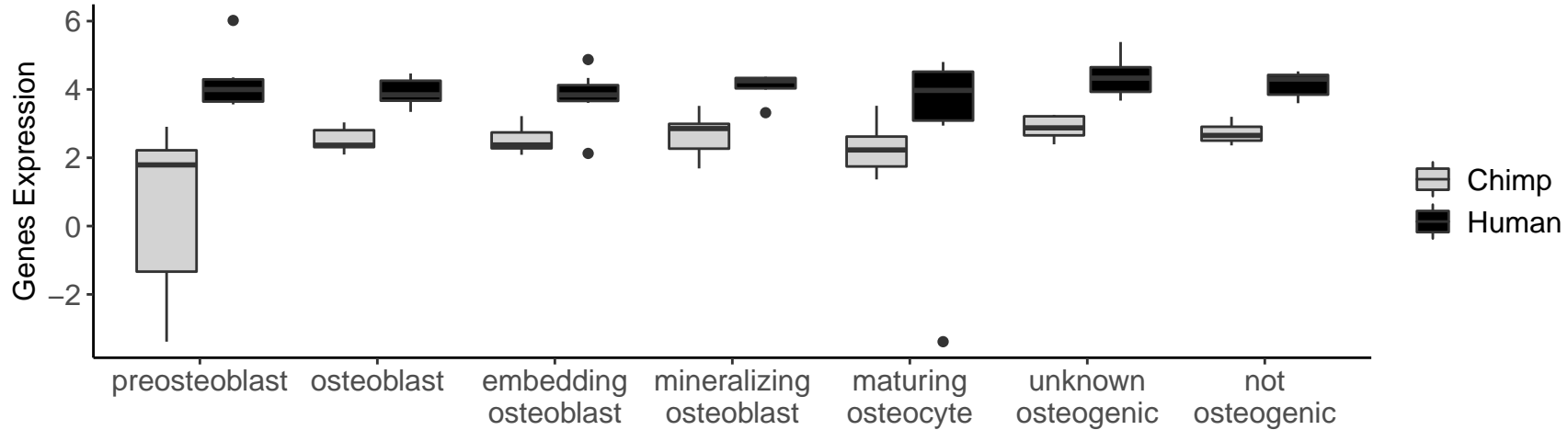
DCPS



DDHD1

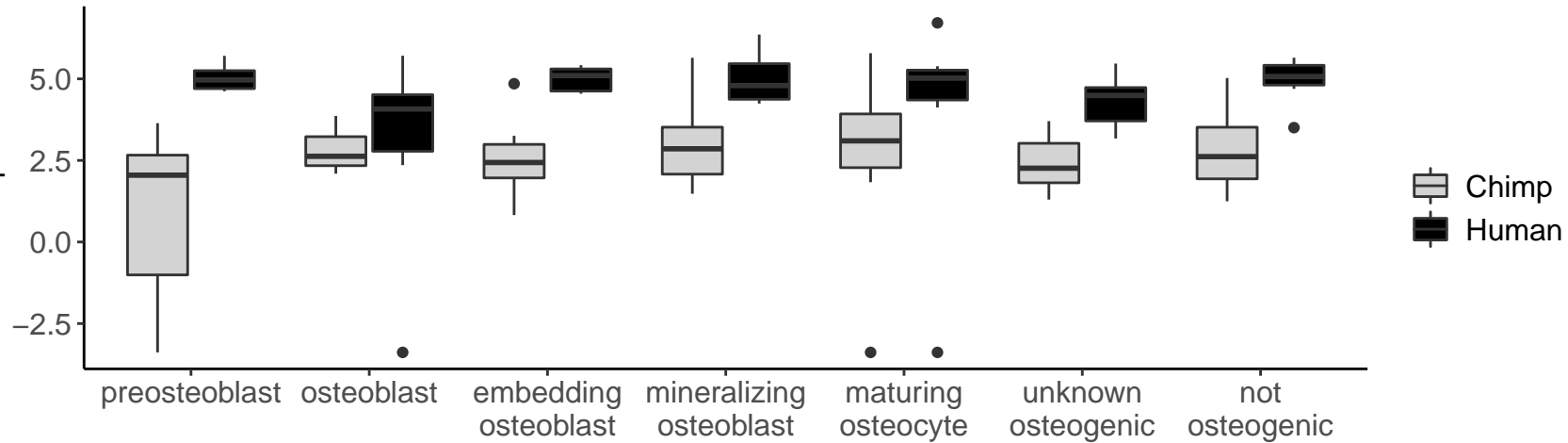


DDX59

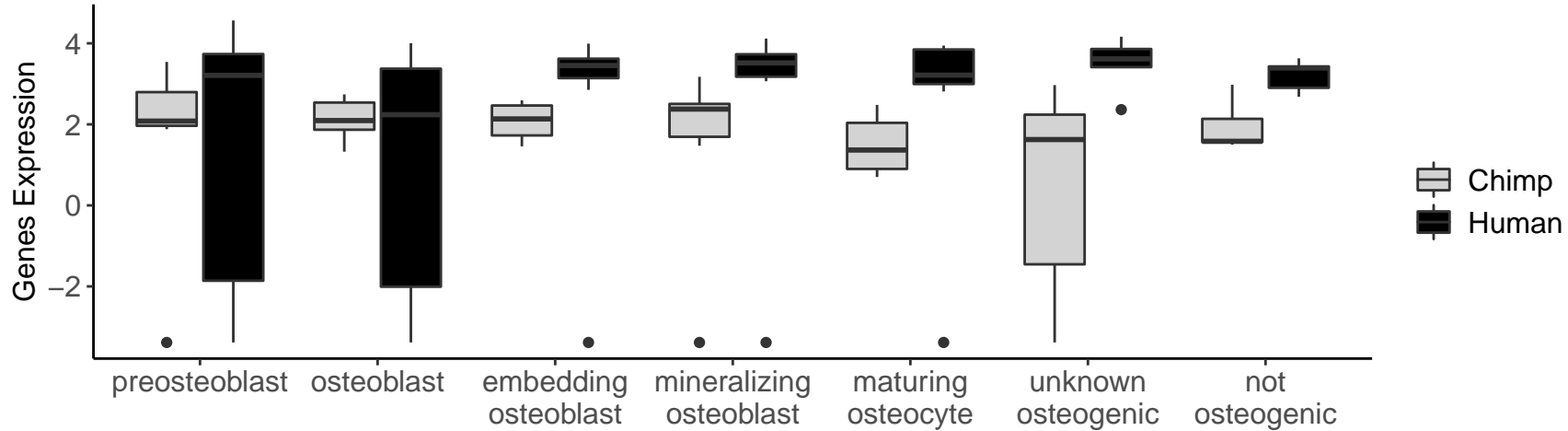


DGKA

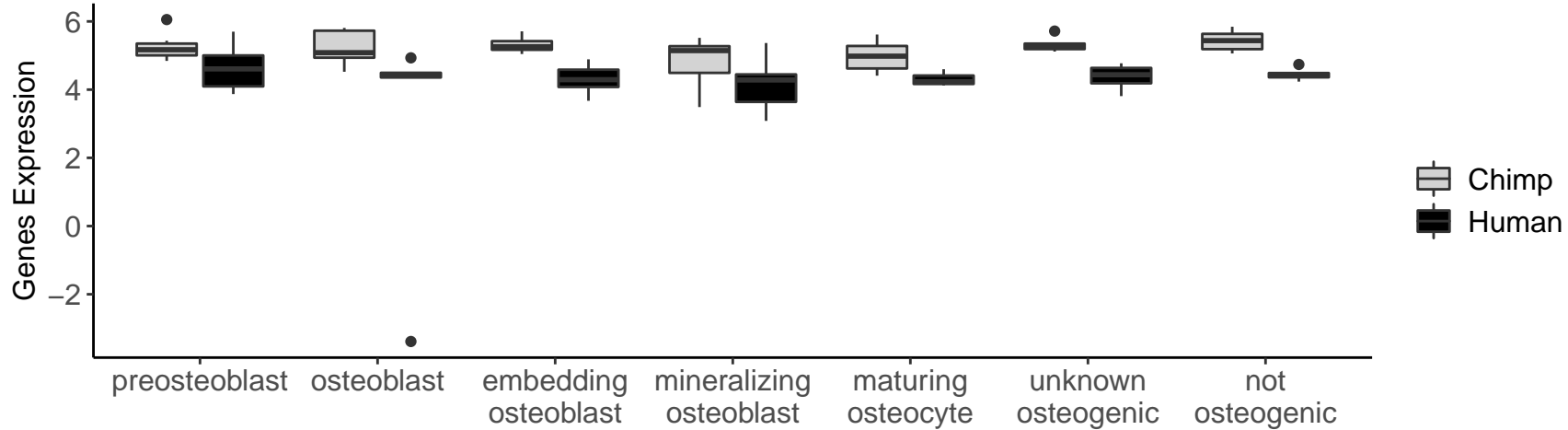
Genes Expression



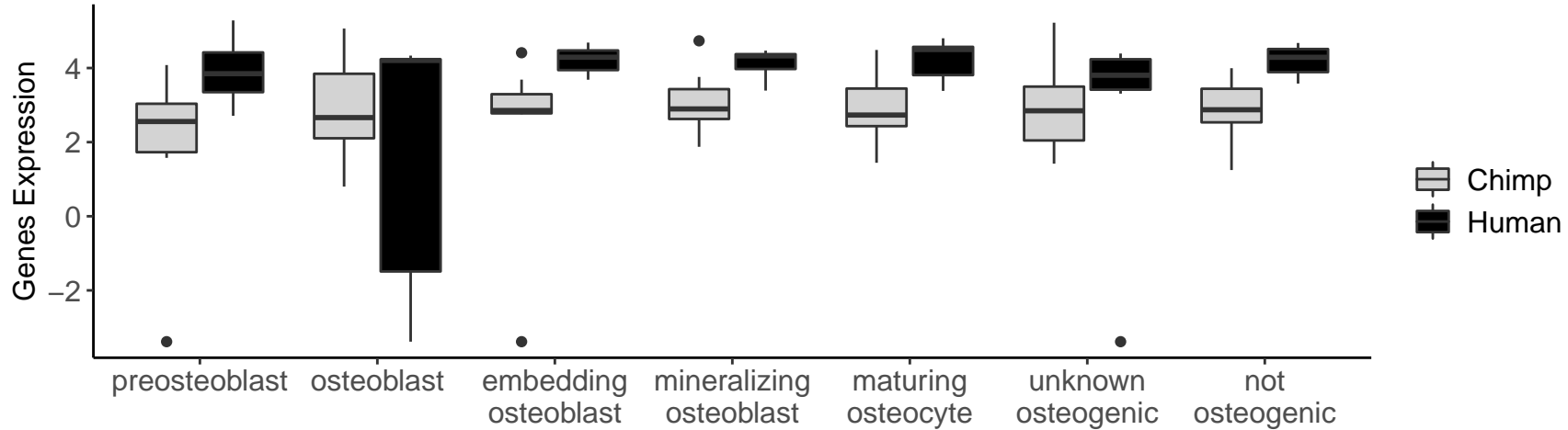
DHTKD1



DMAC2L

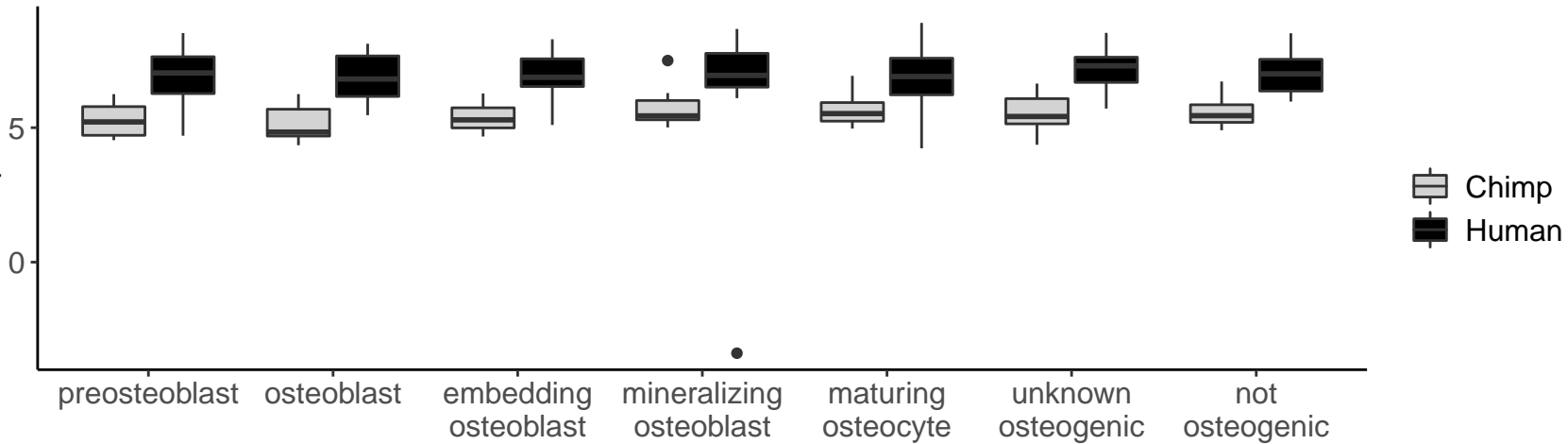


DNAH14

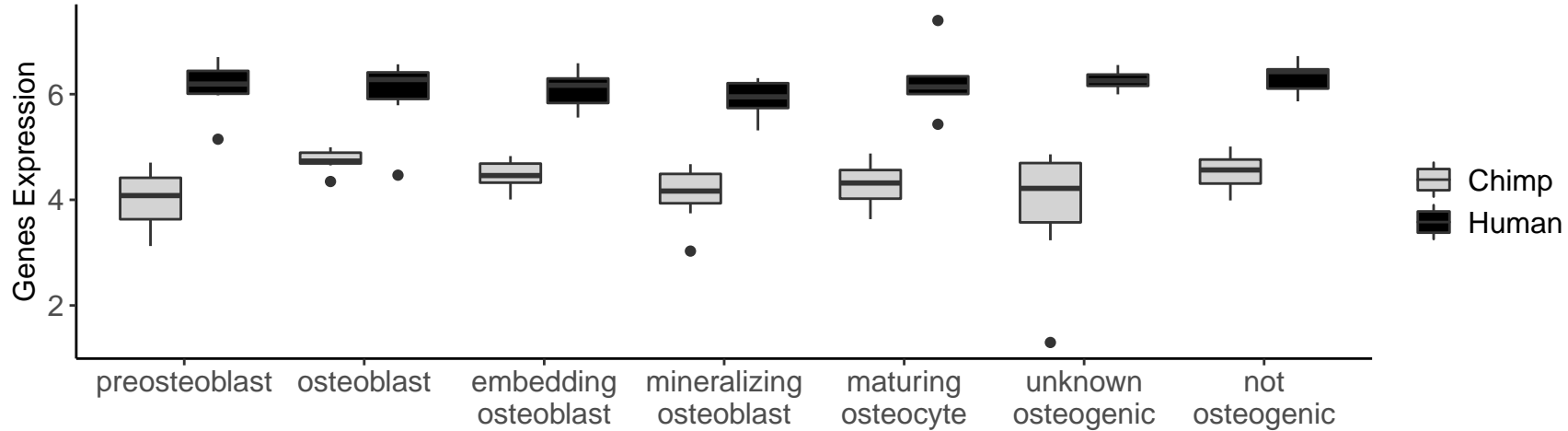


DNAJB4

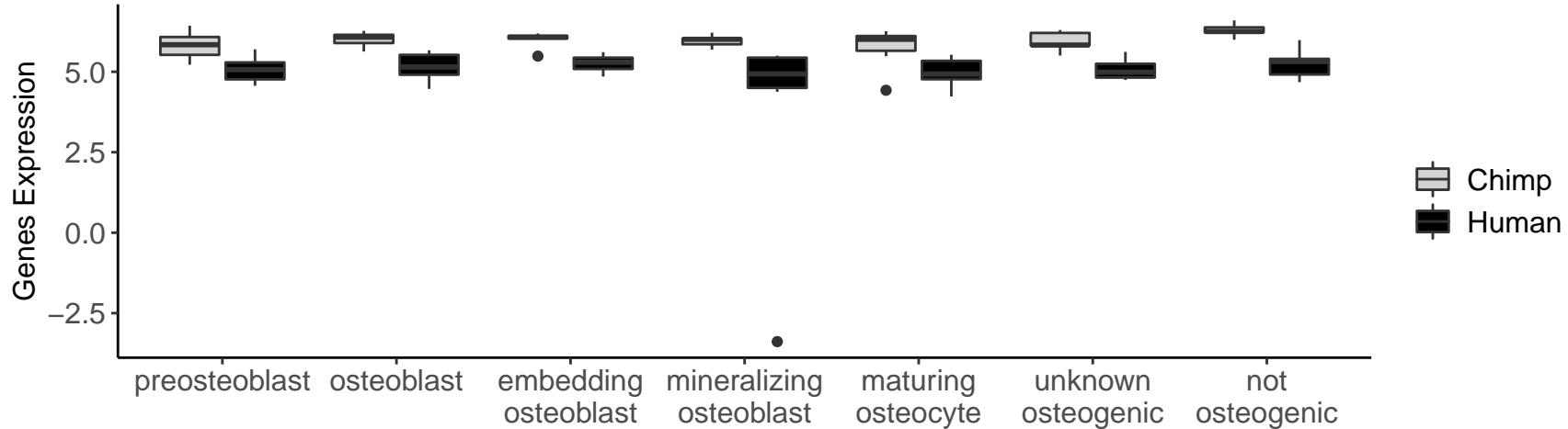
Genes Expression



DNAJC4

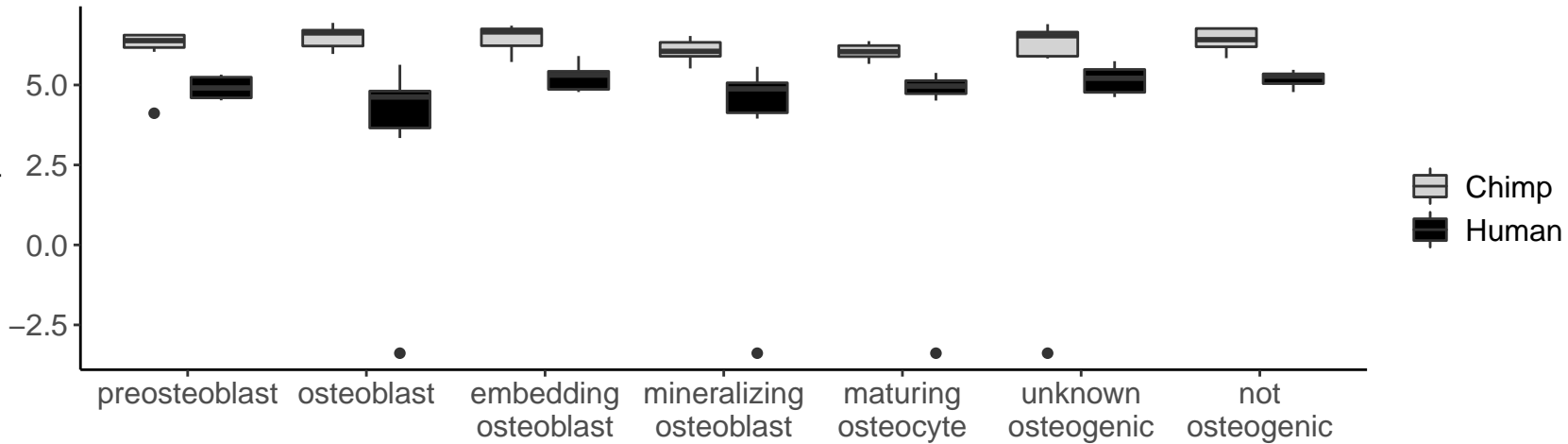


DNAJC9



DNPEP

Genes Expression



EDIL3

Genes Expression

10

5

0

preosteoblast

osteoblast

embedding
osteoblast

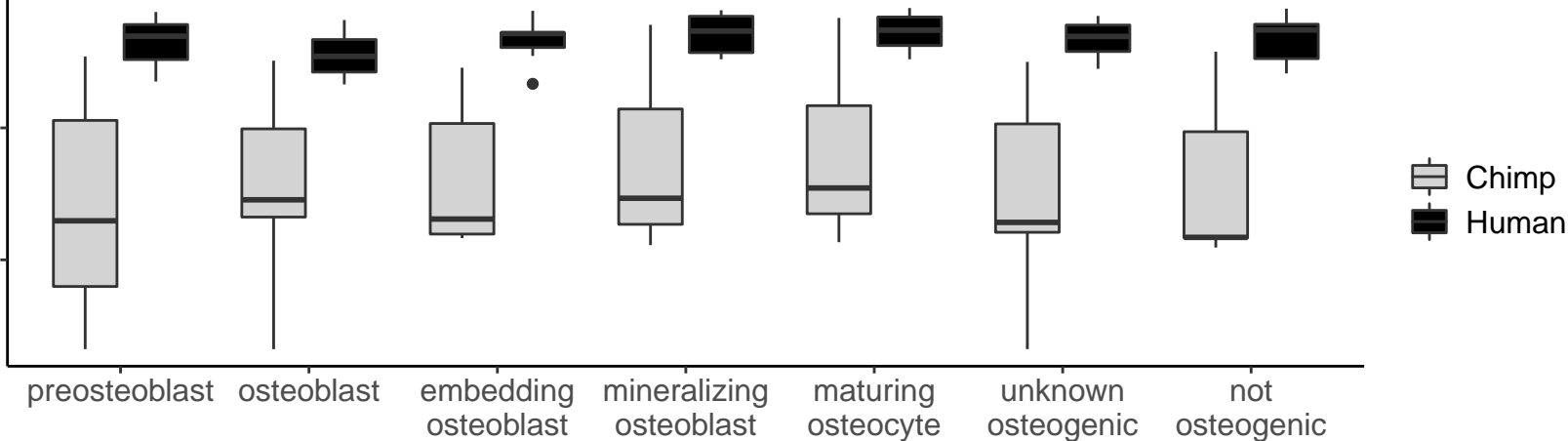
mineralizing
osteoblast

maturing
osteocyte

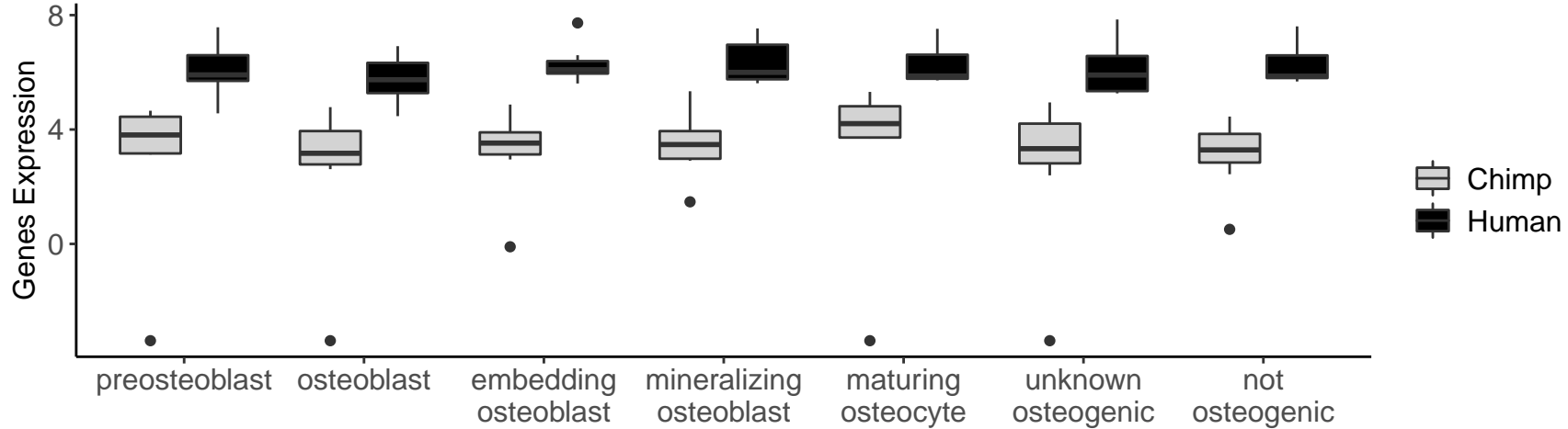
unknown
osteogenic

not
osteogenic

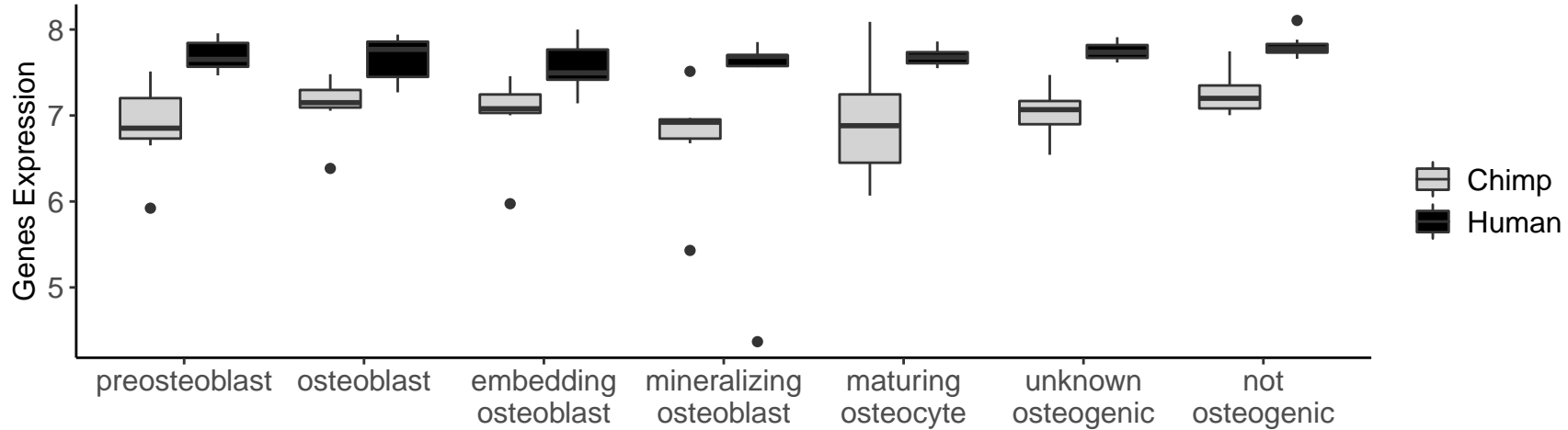
Chimp
Human



EGFL7

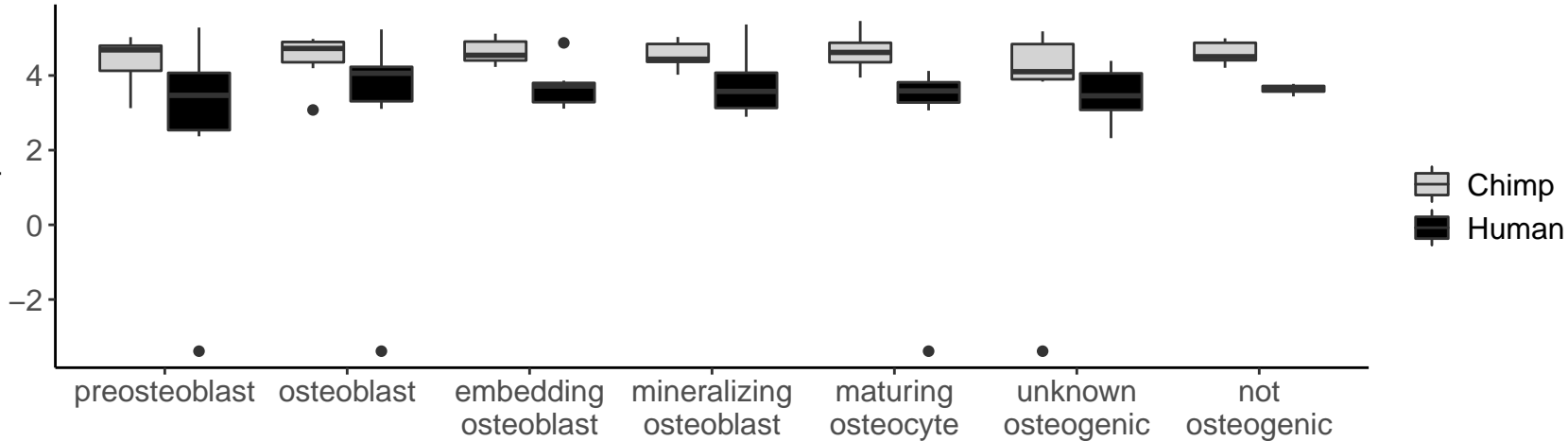


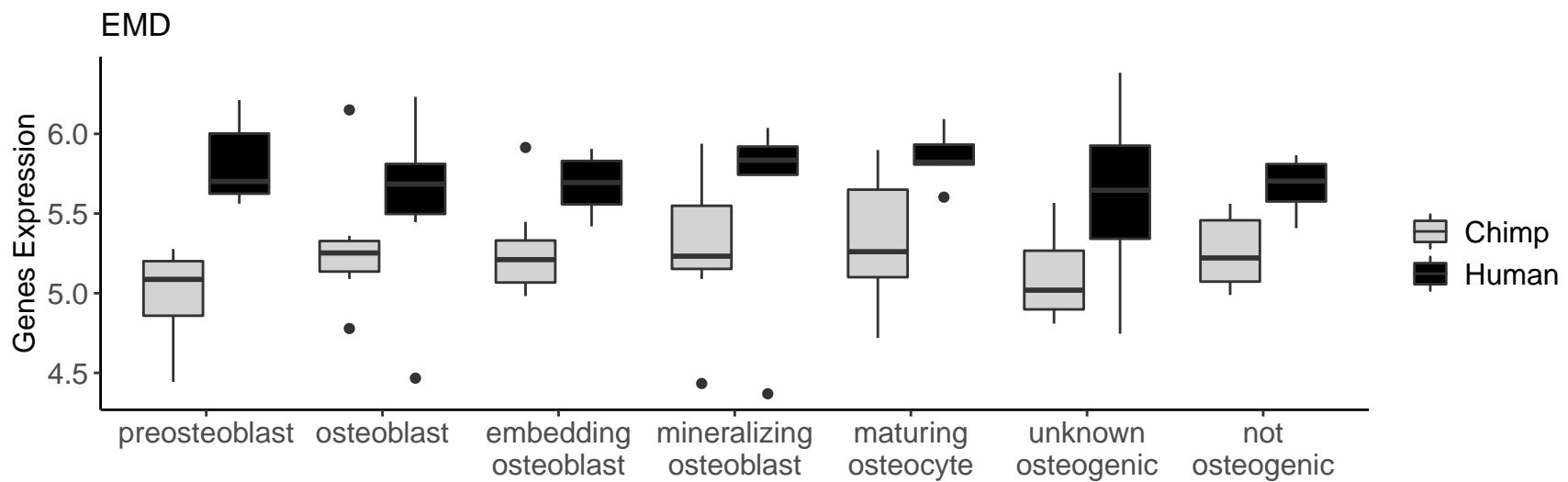
EI24



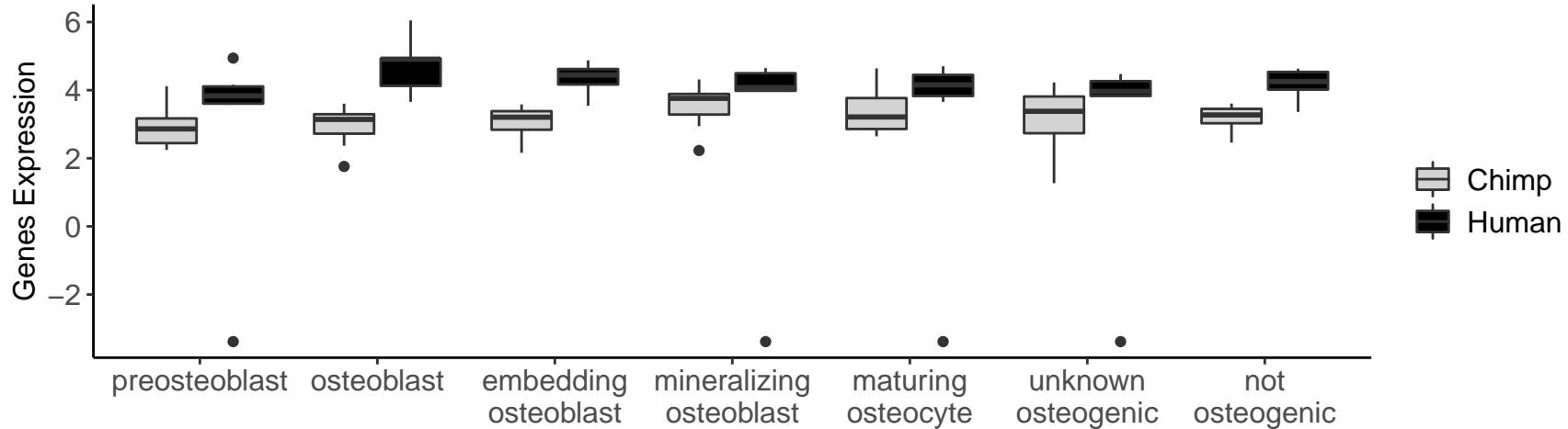
ELP4

Genes Expression

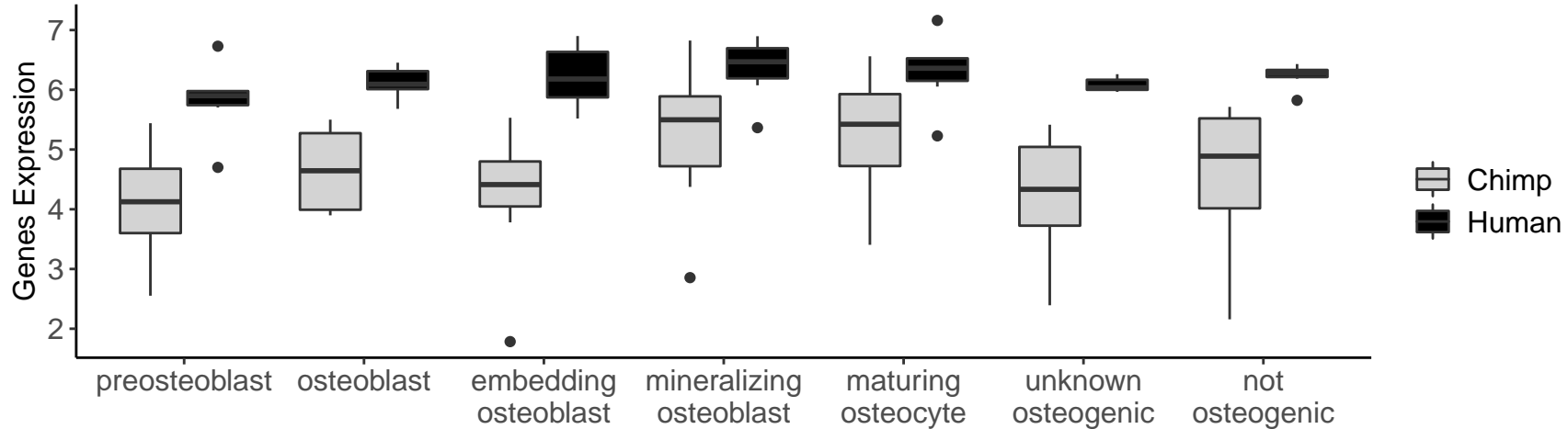




ENTPD6

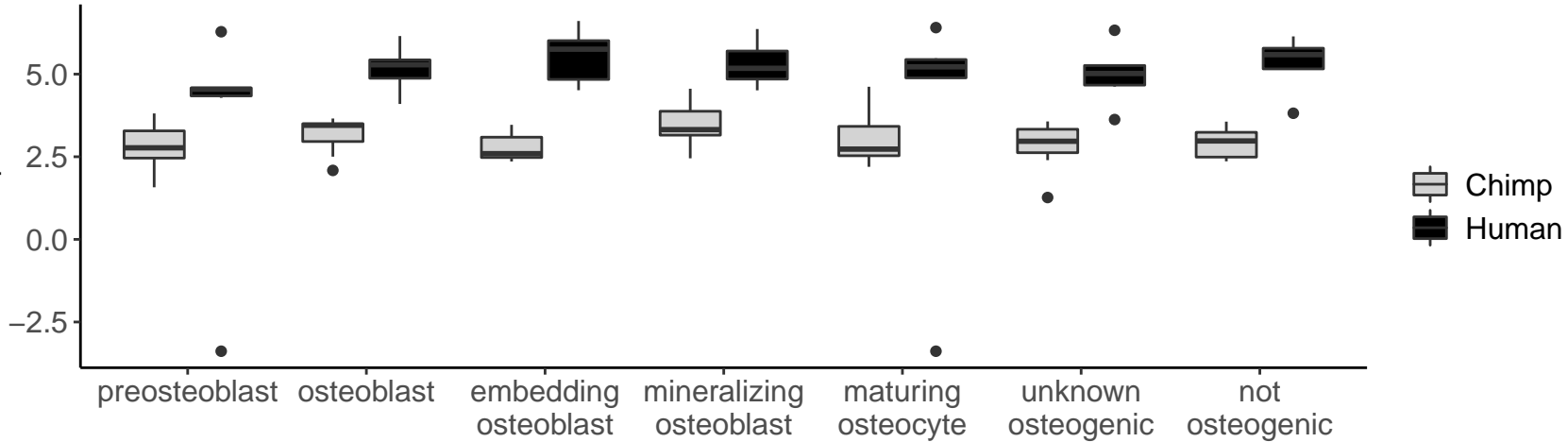


EPHA2

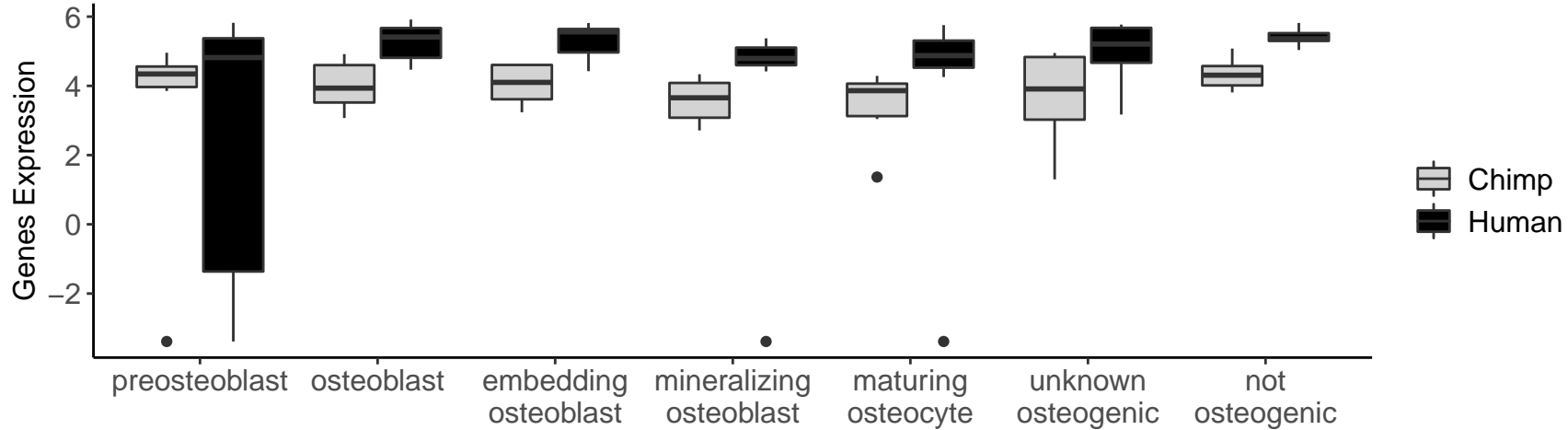


ERCC6

Genes Expression

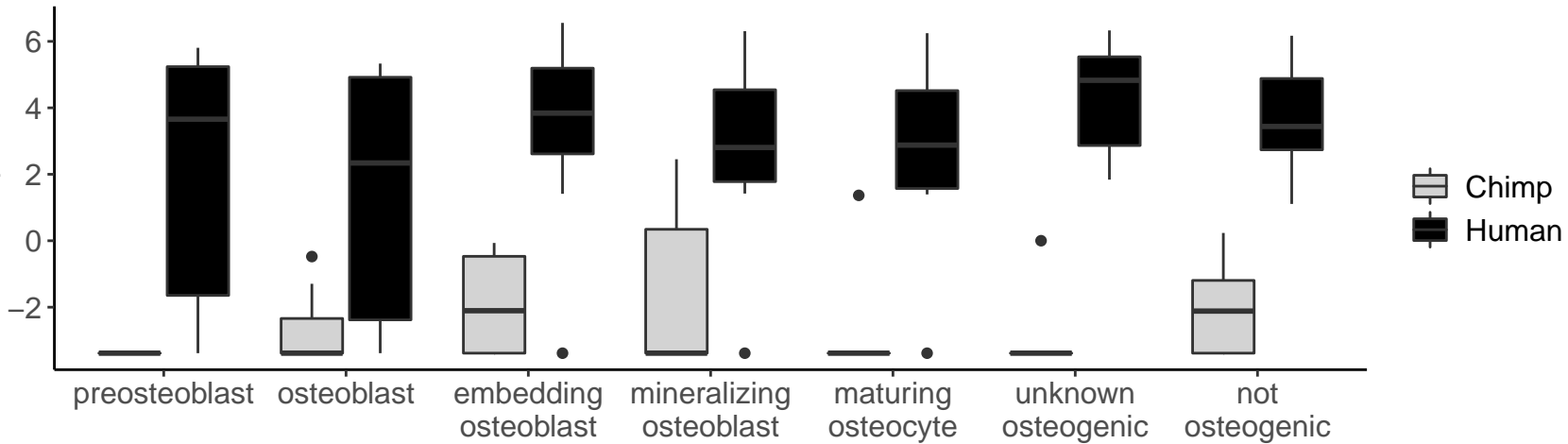


EXOSC3



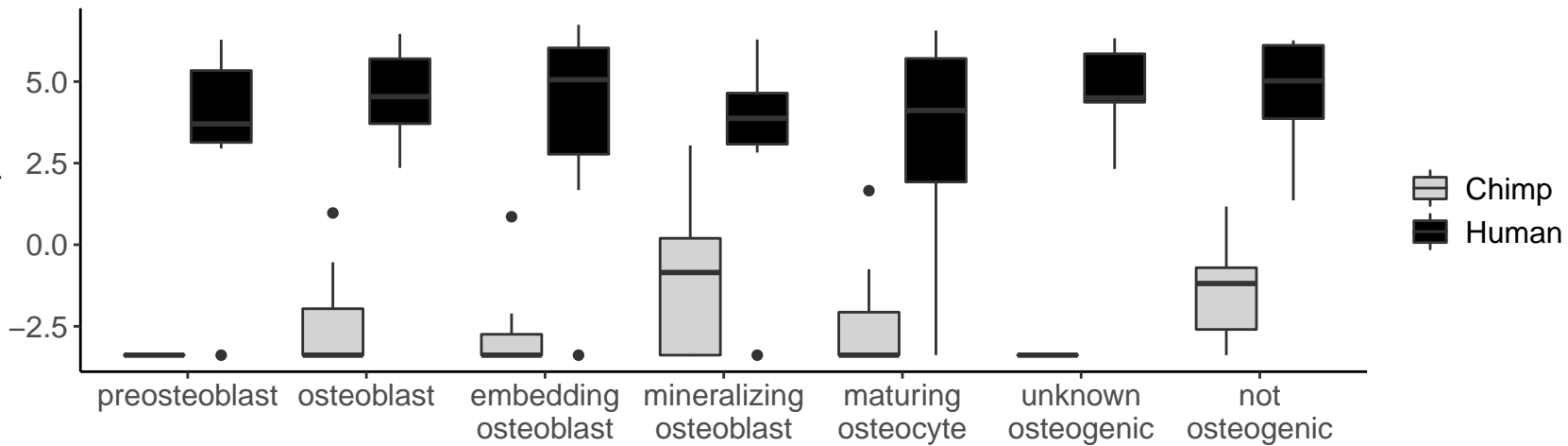
F2RL1

Genes Expression

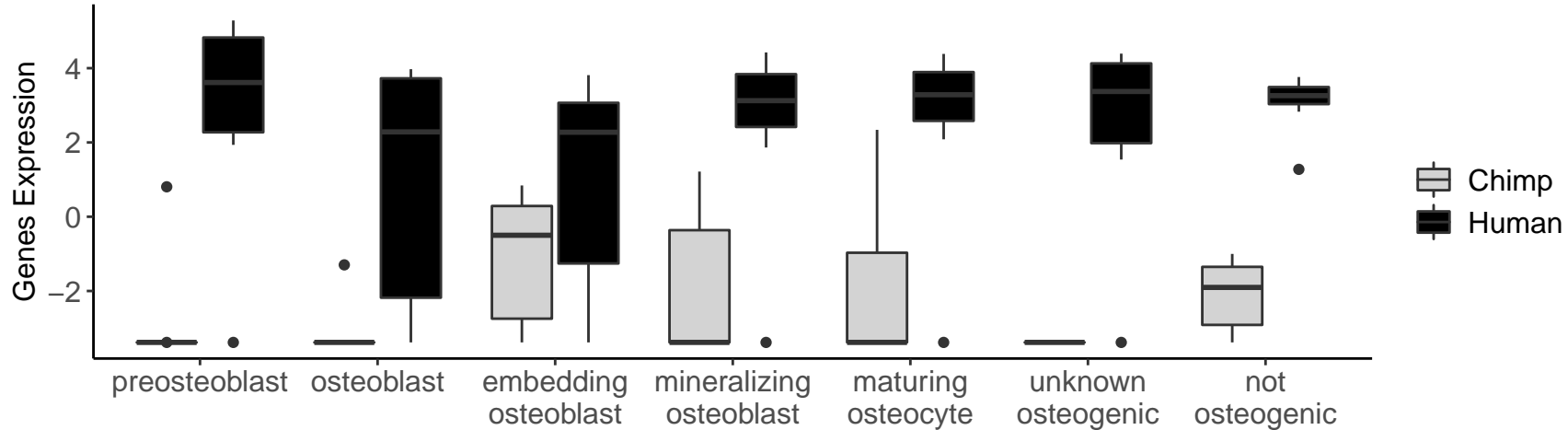


F2RL2

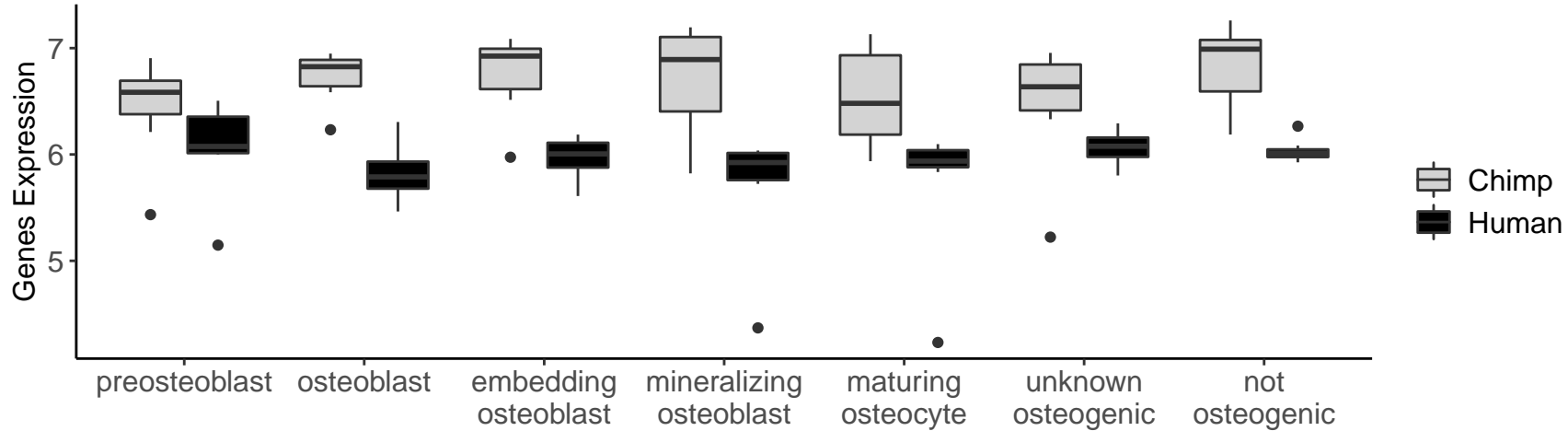
Genes Expression



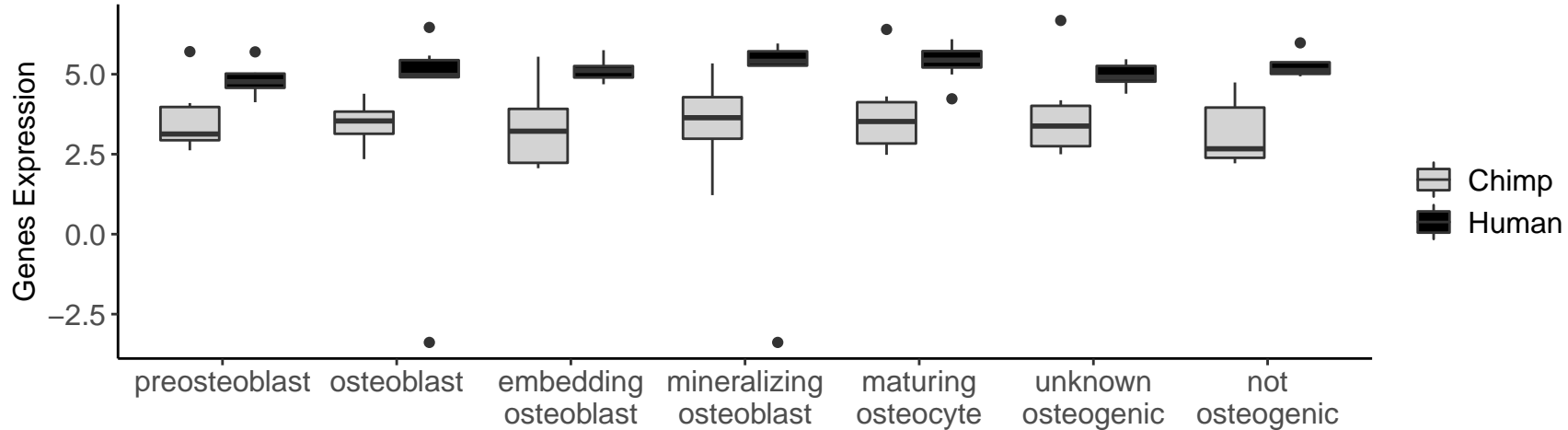
FAM229A



FBXO7

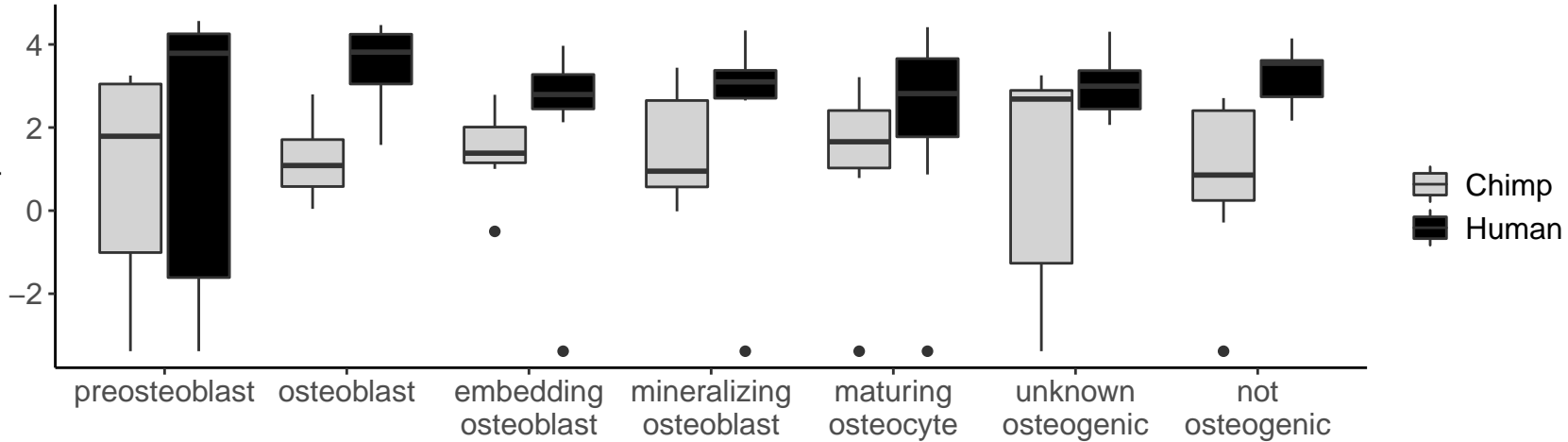


FGFRL1

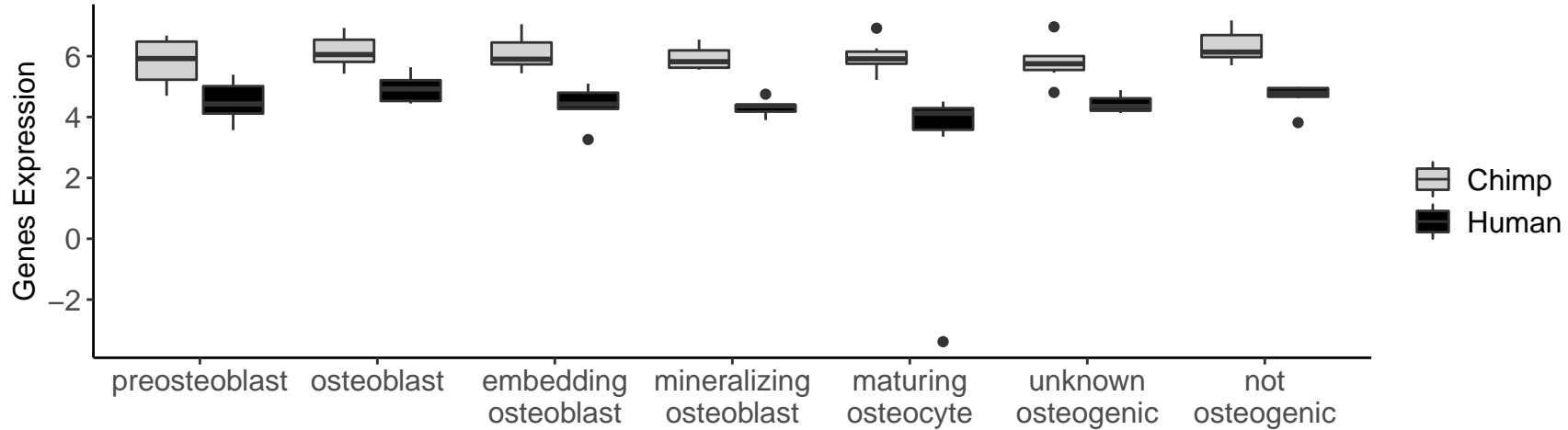


FLI1

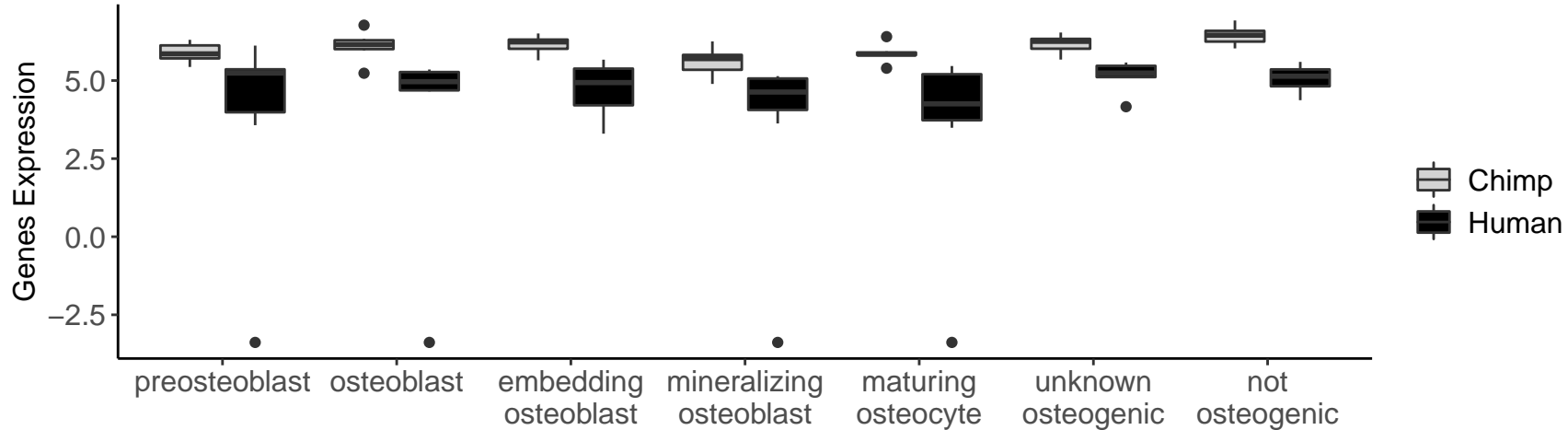
Genes Expression



GALE



GEMIN6



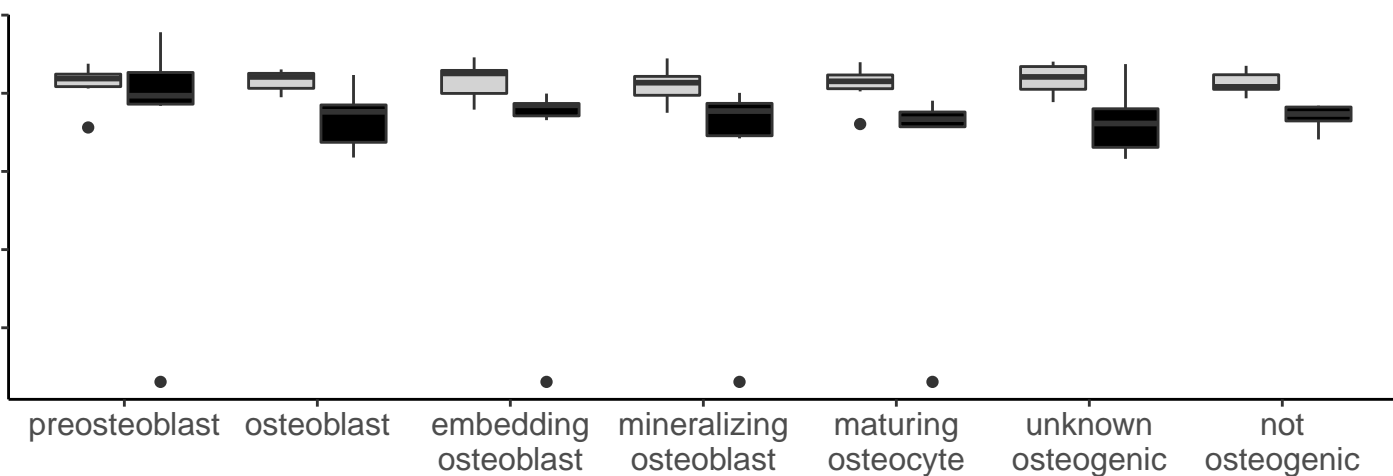
GID4

Genes Expression

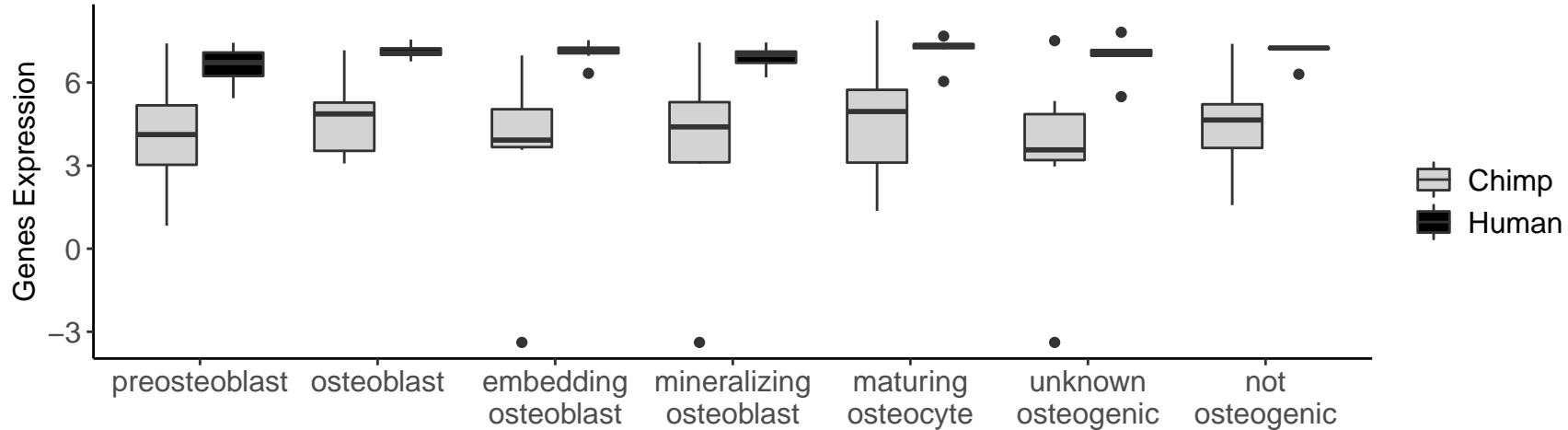
6
4
2
0
-2

Chimp
Human

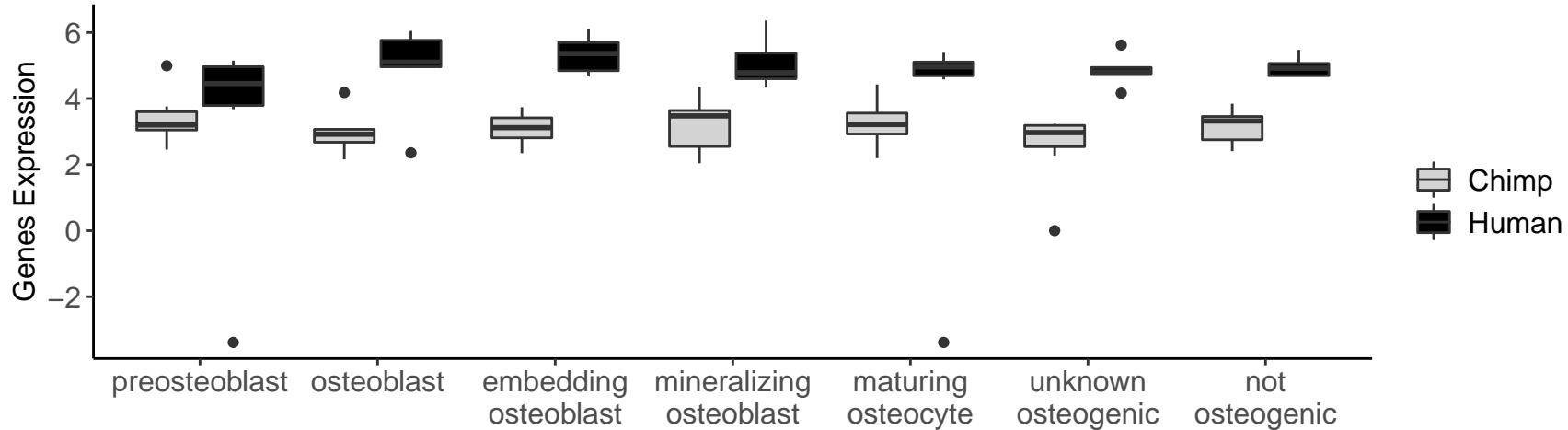
preosteoblast osteoblast embedding
osteoblast mineralizing
osteoblast maturing
osteocyte unknown
osteogenic not
osteogenic



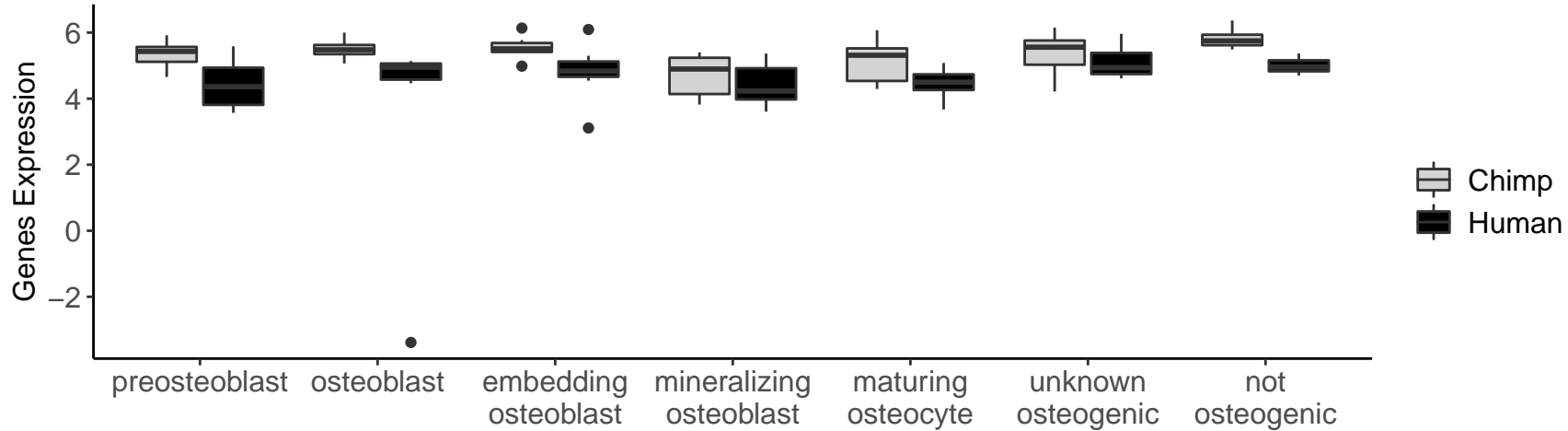
GLIPR1



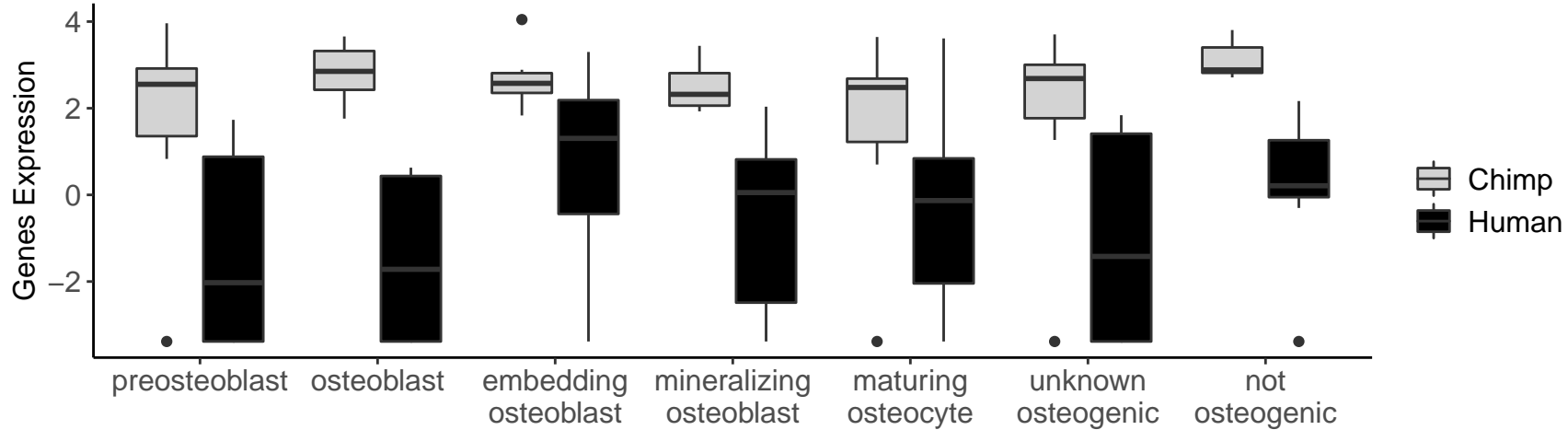
GNB5



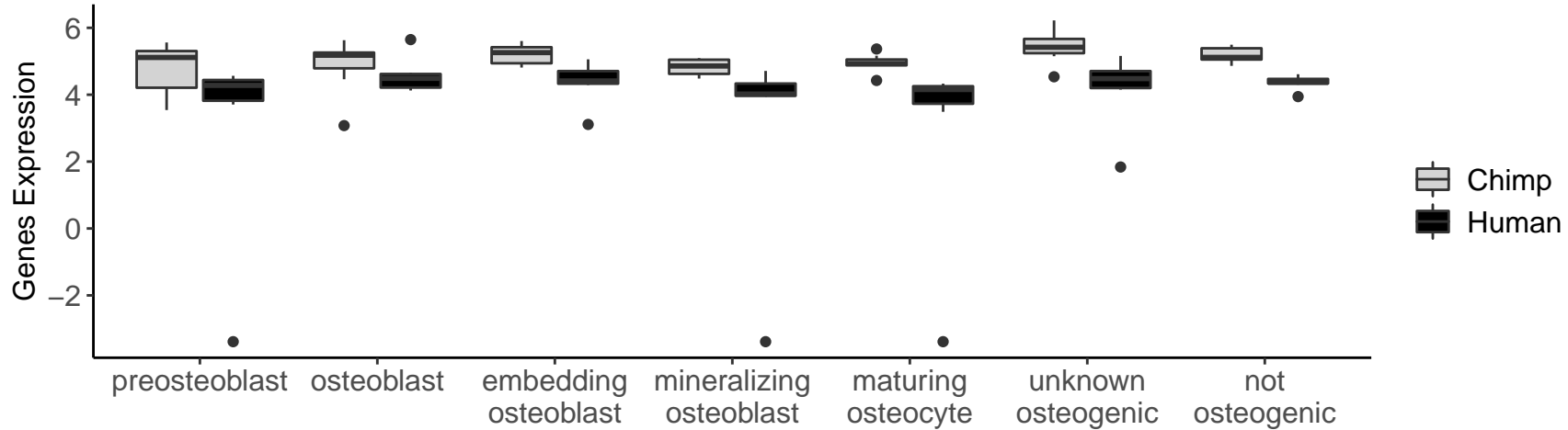
GON7



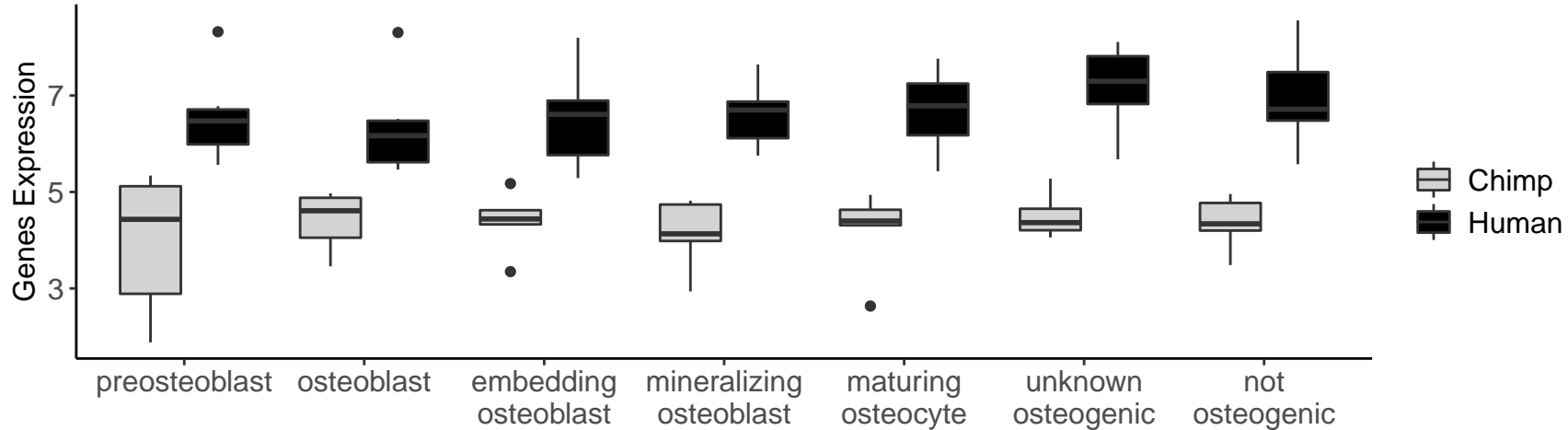
GSTO2



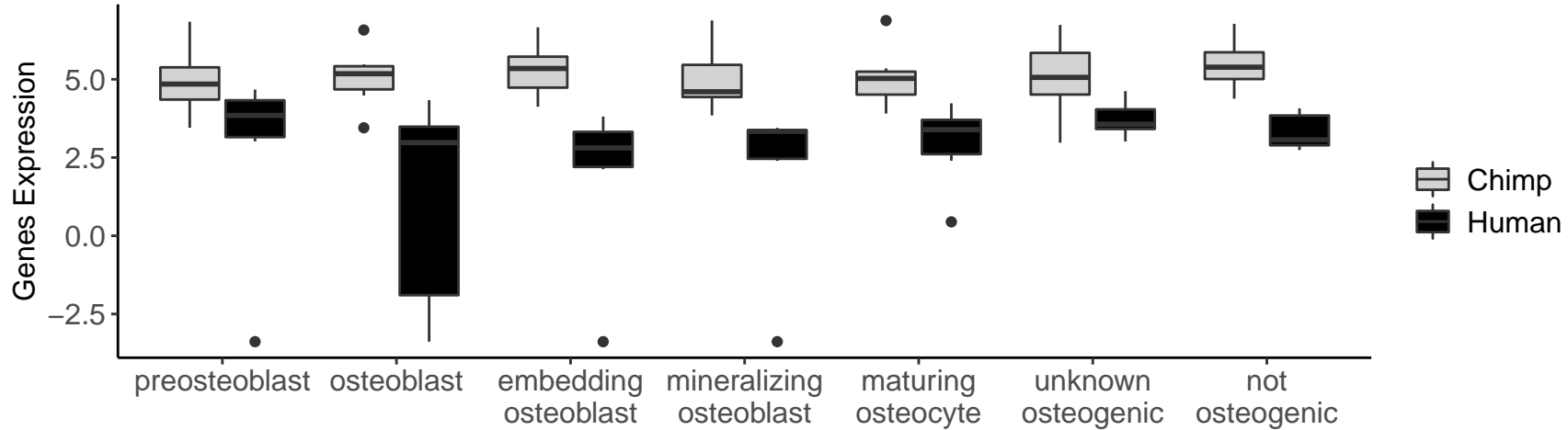
GTF2H4



H2AC20

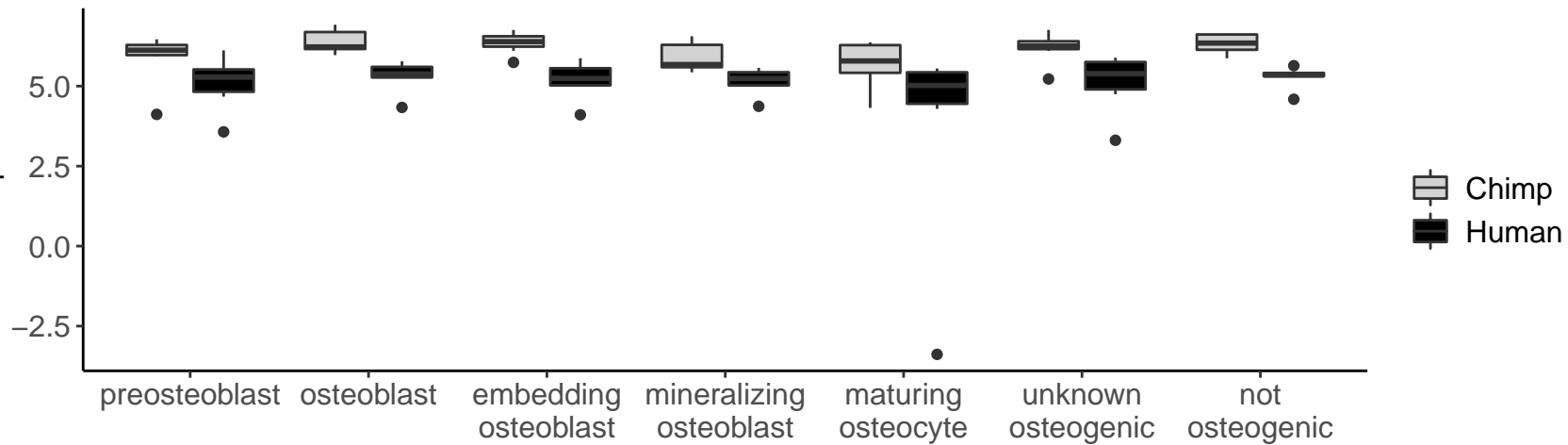


H2BC11



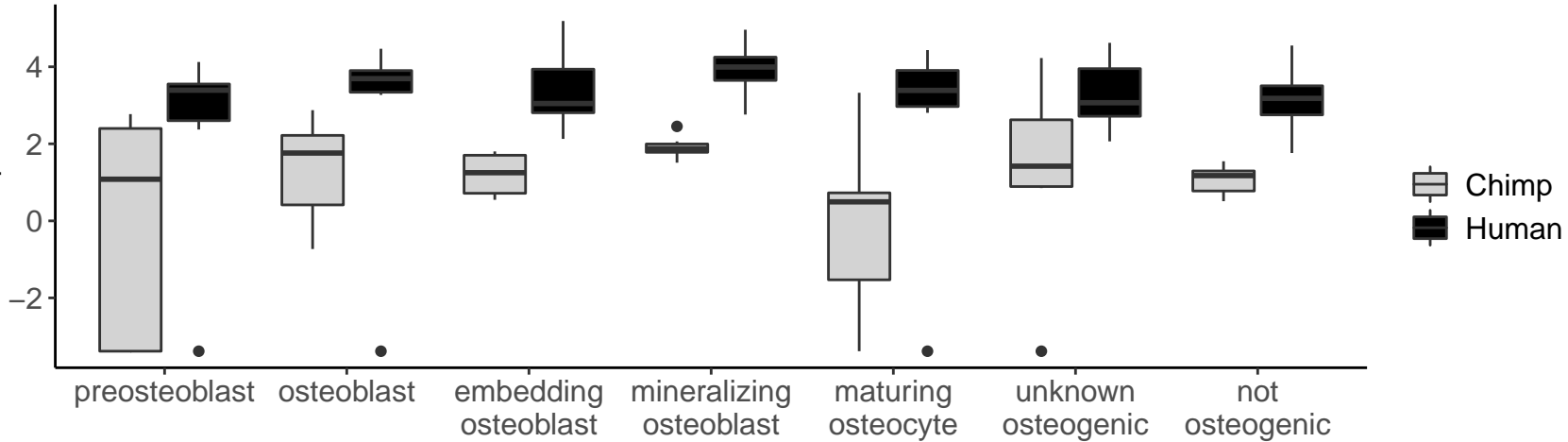
HDAC1

Genes Expression

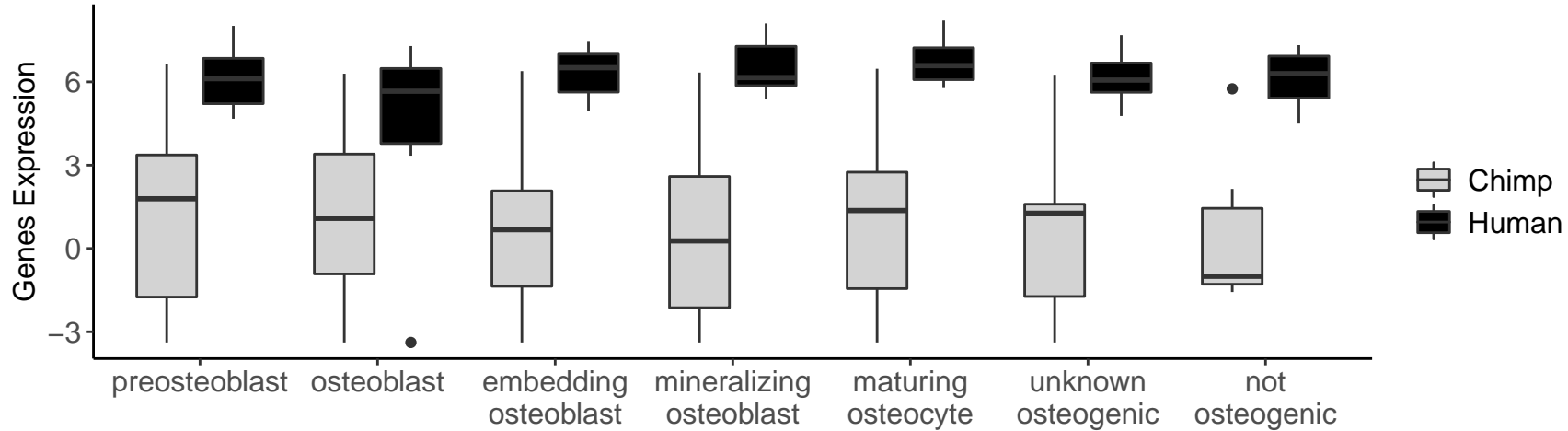


HHAT

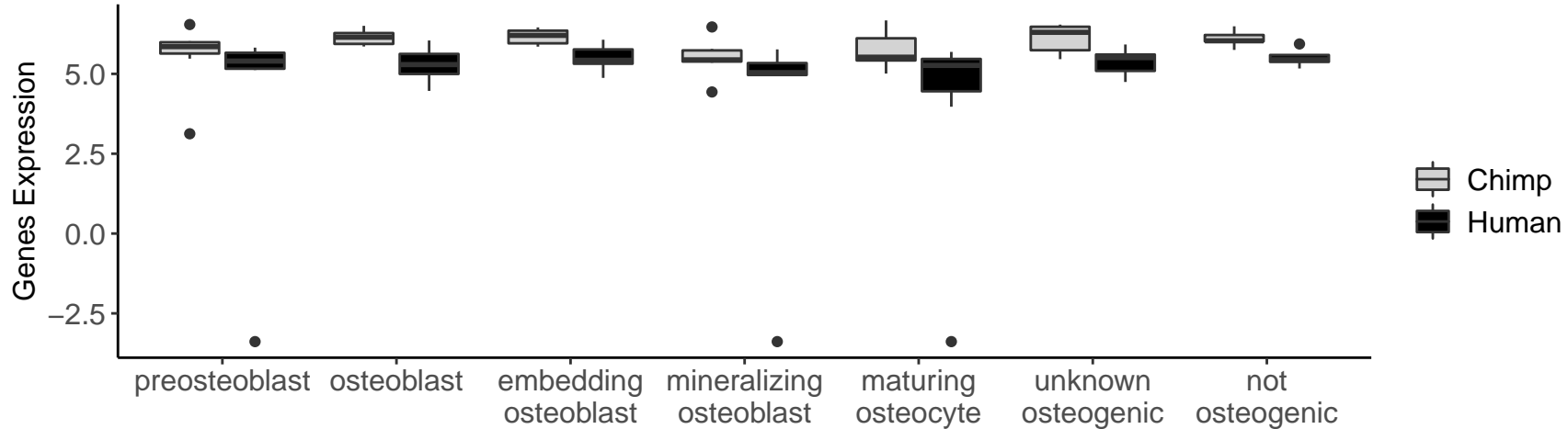
Genes Expression



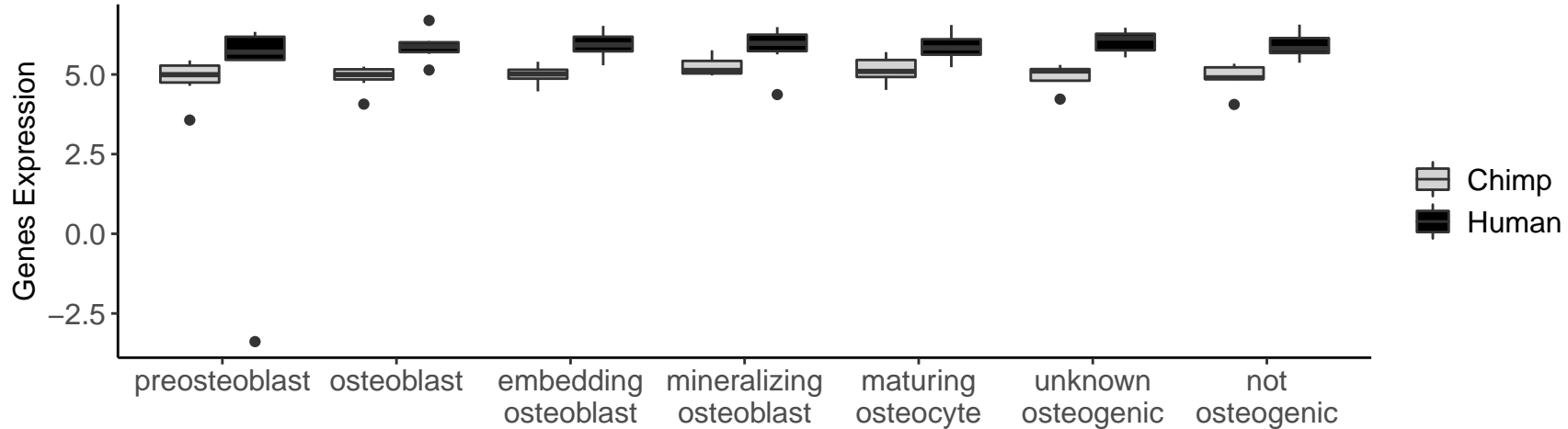
HMCN1



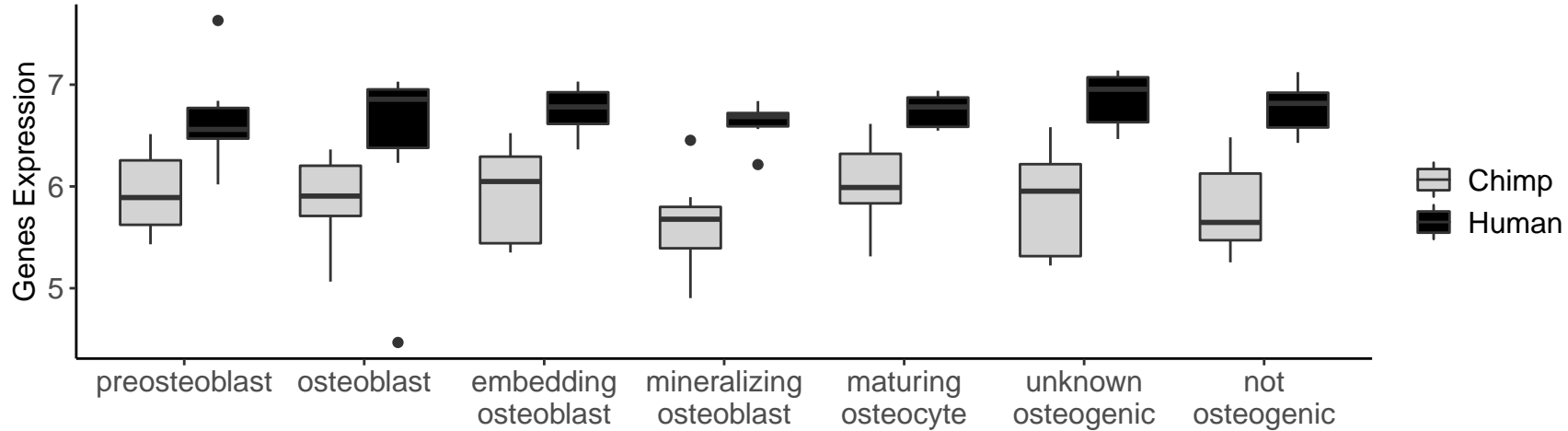
HMGCL



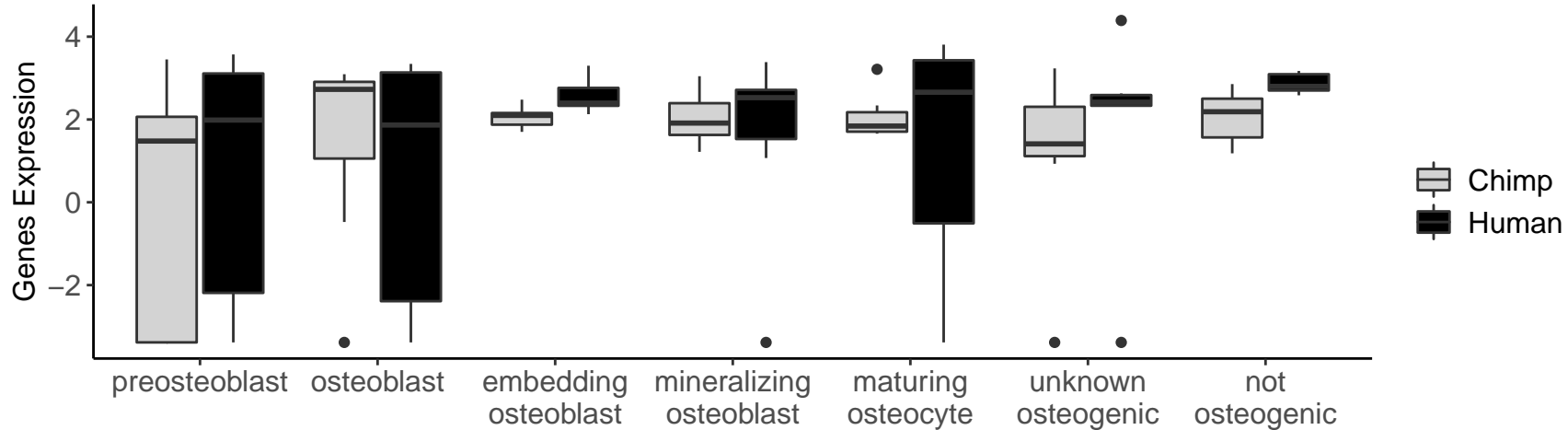
HSPA13



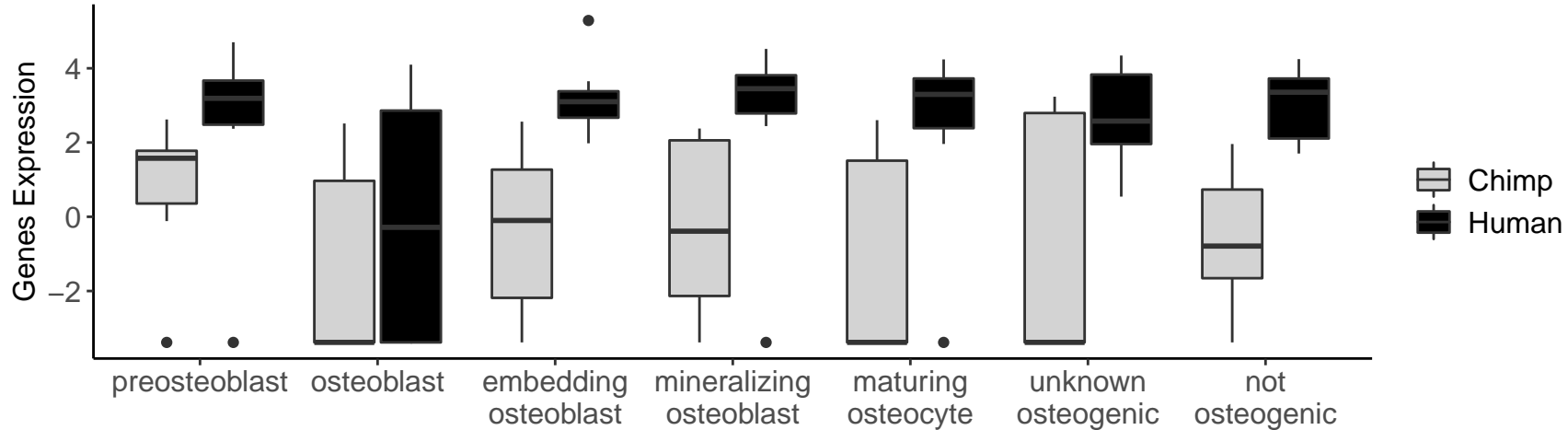
HYAL2



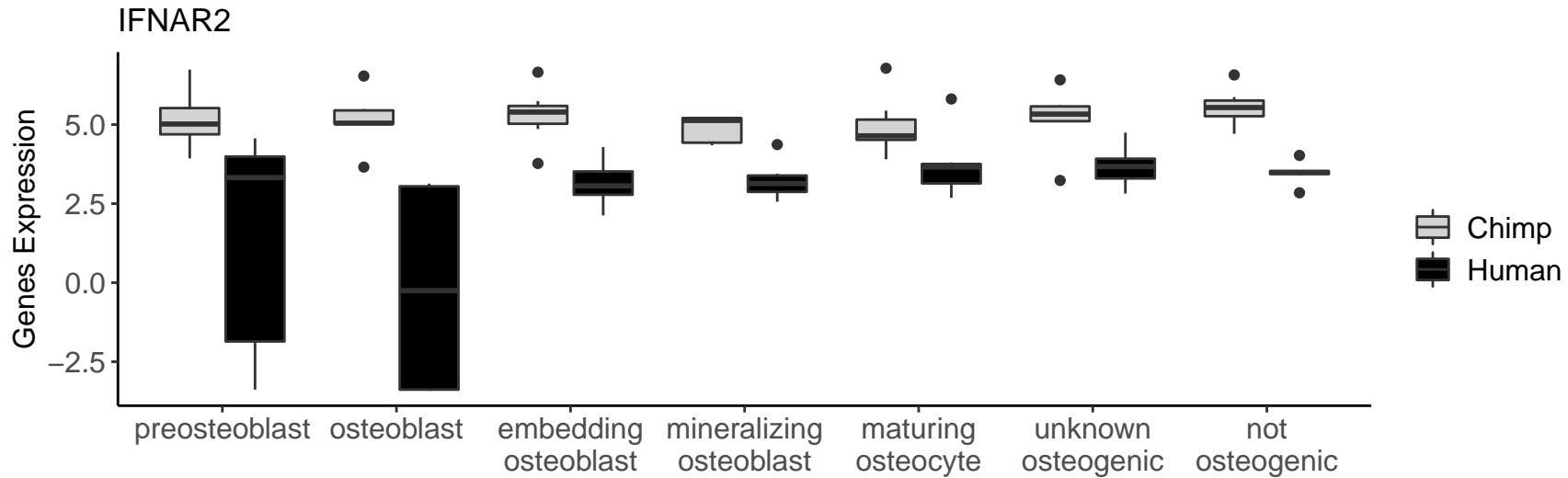
HYAL3



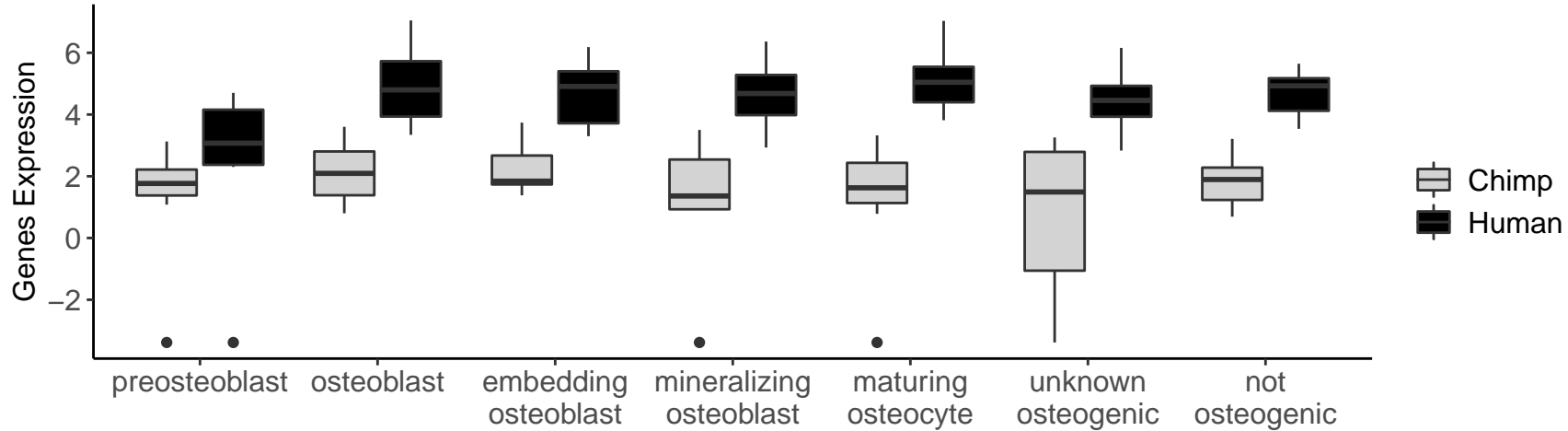
IFITM10



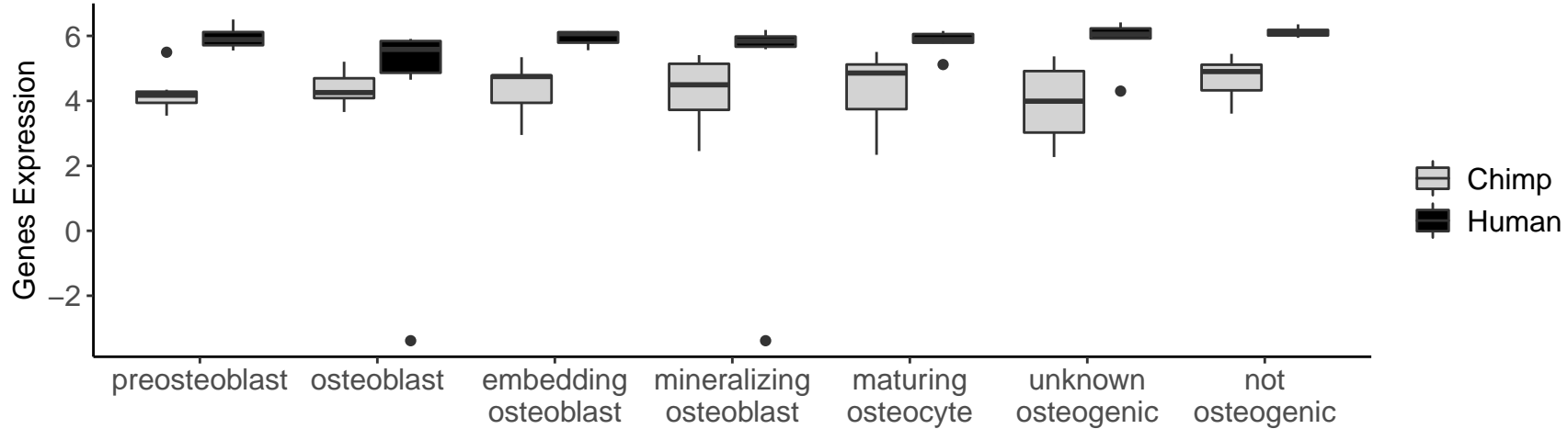
IFNAR2



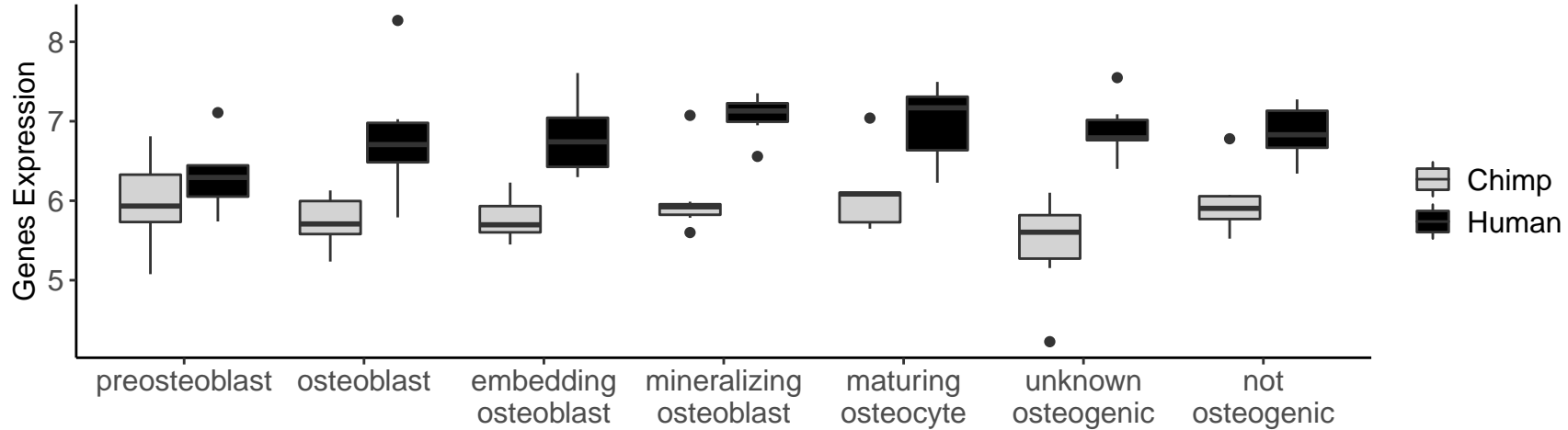
IGSF8



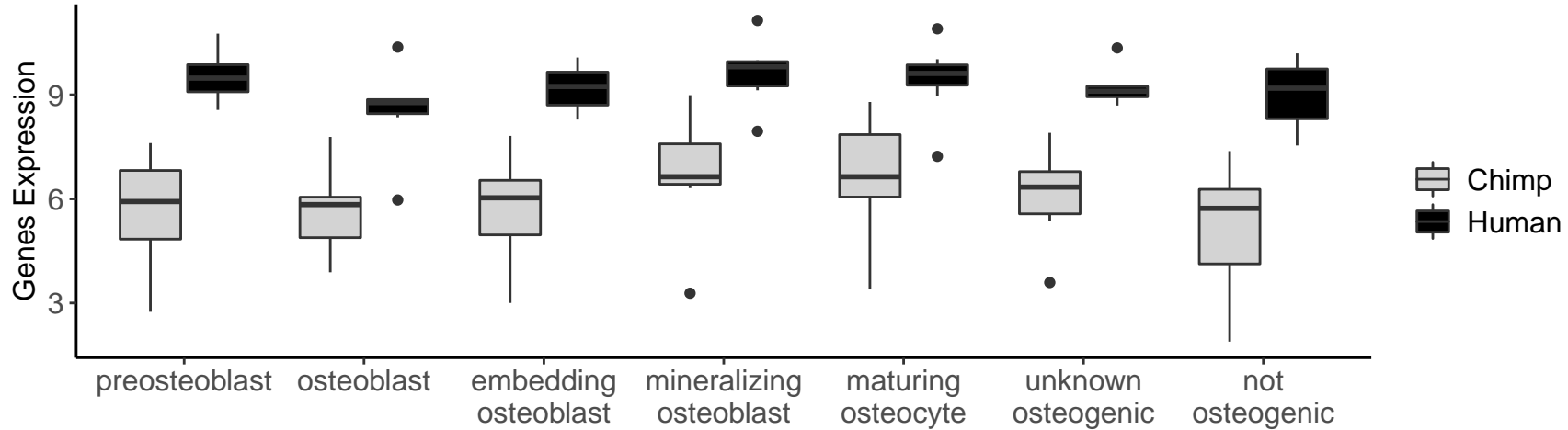
IMPACT



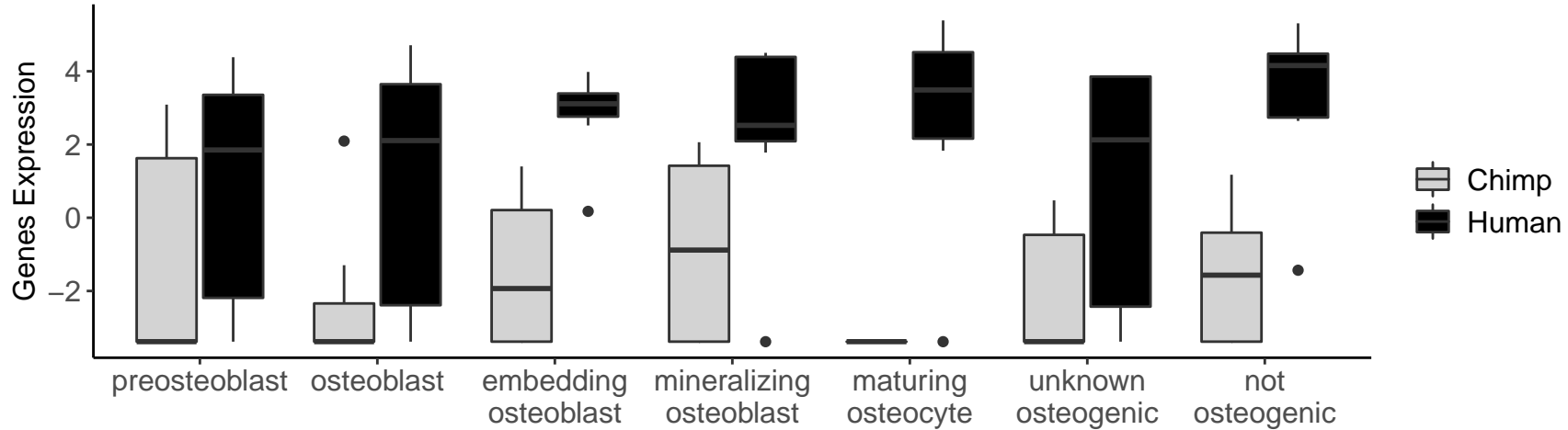
IPO5



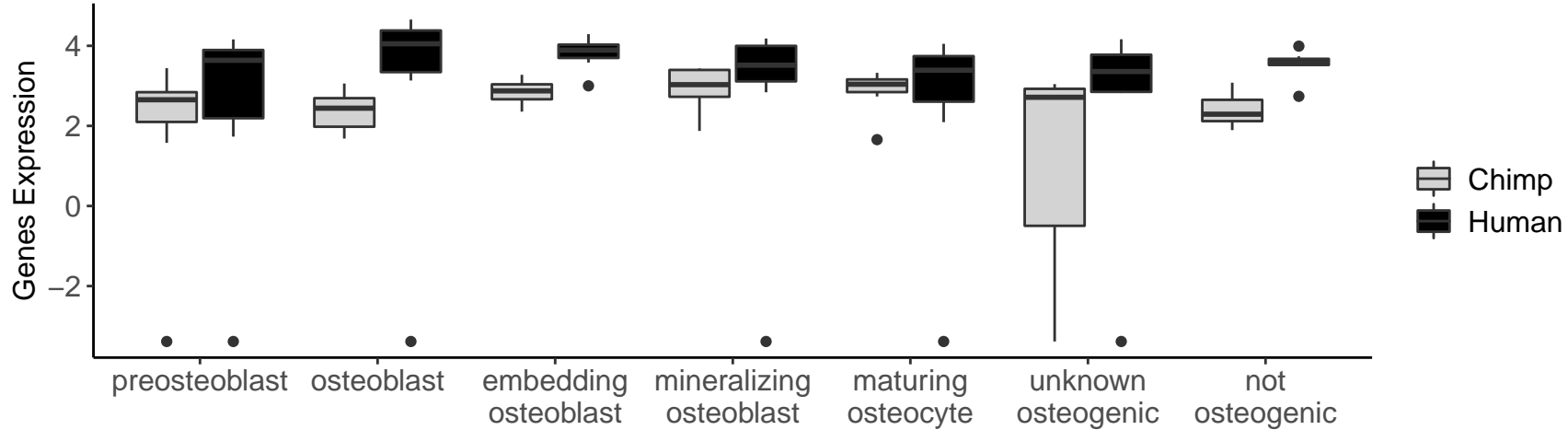
ITGA11



KCNT2

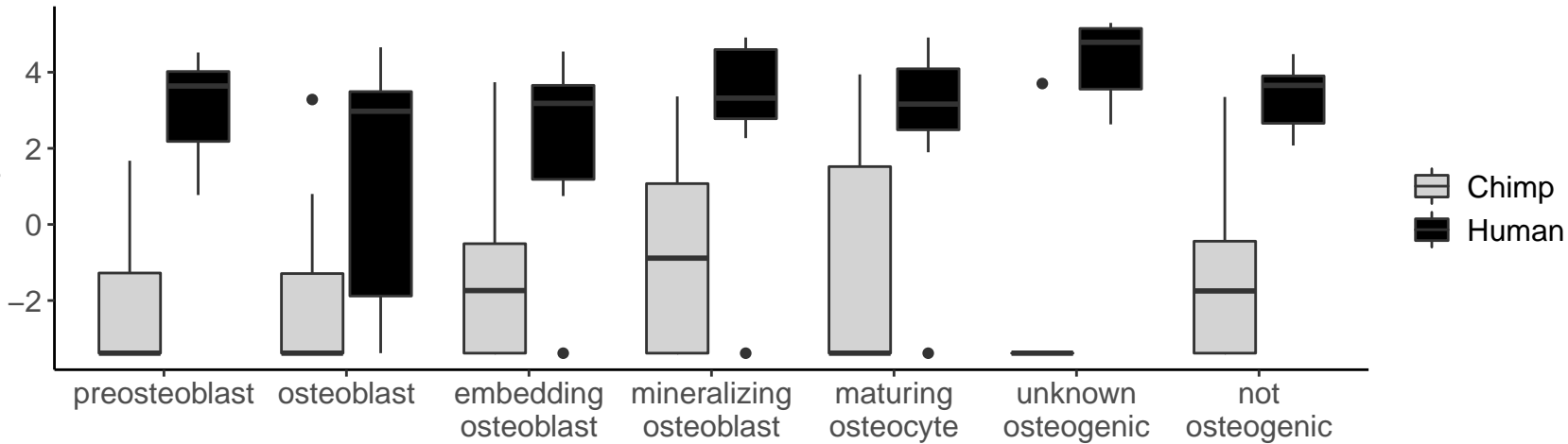


KCTD1

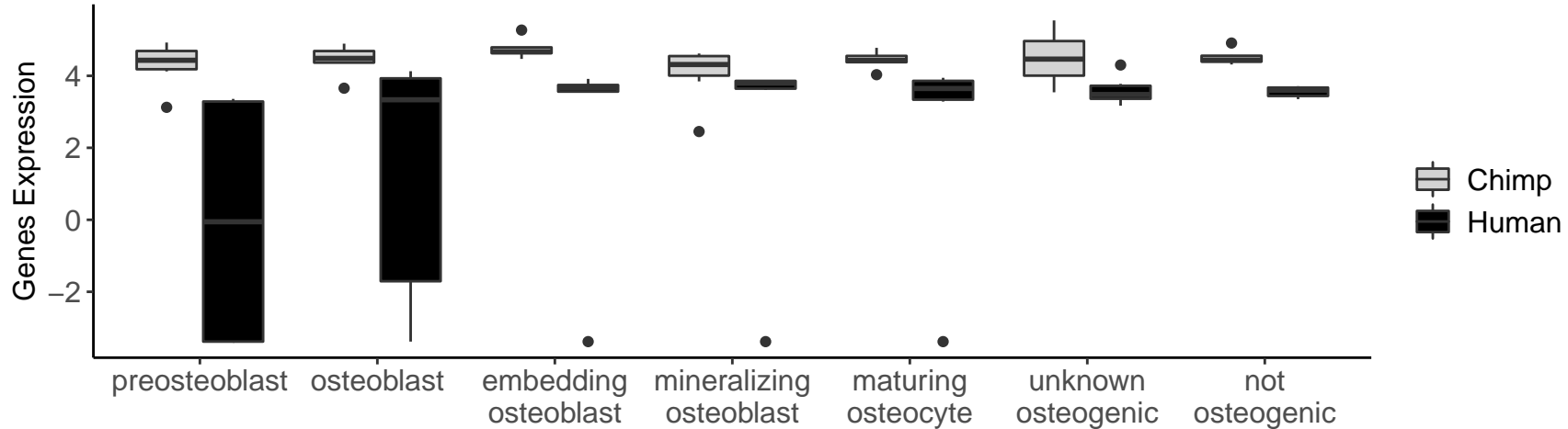


KLHL4

Genes Expression

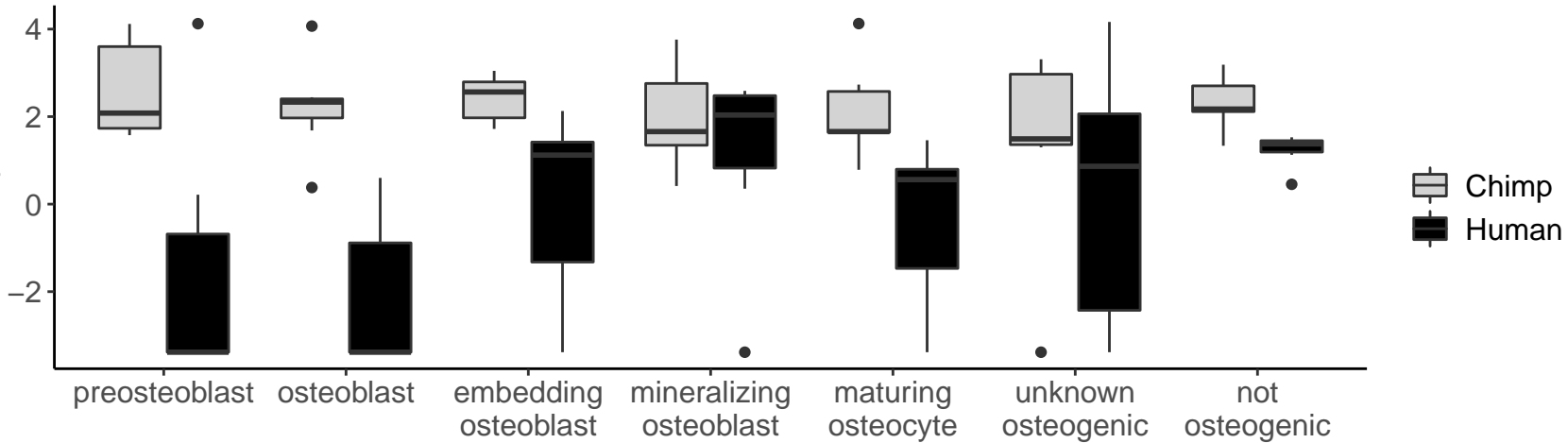


KRBOX4



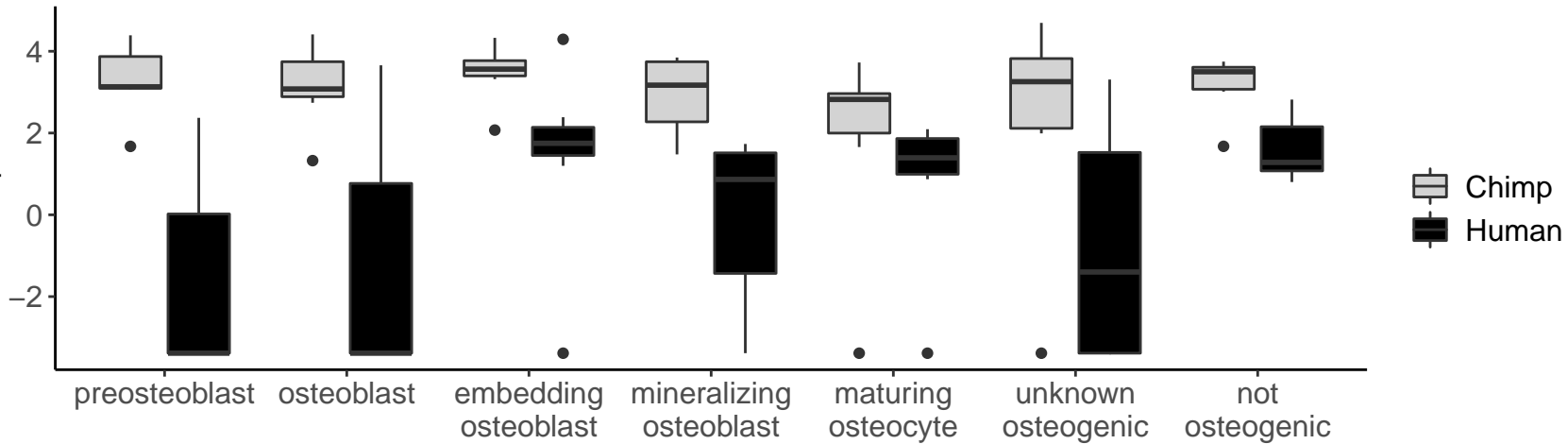
L2HGDH

Genes Expression



LBX2

Genes Expression



M6PR

Genes Expression

8
7
6

preosteoblast

osteoblast

embedding
osteoblast

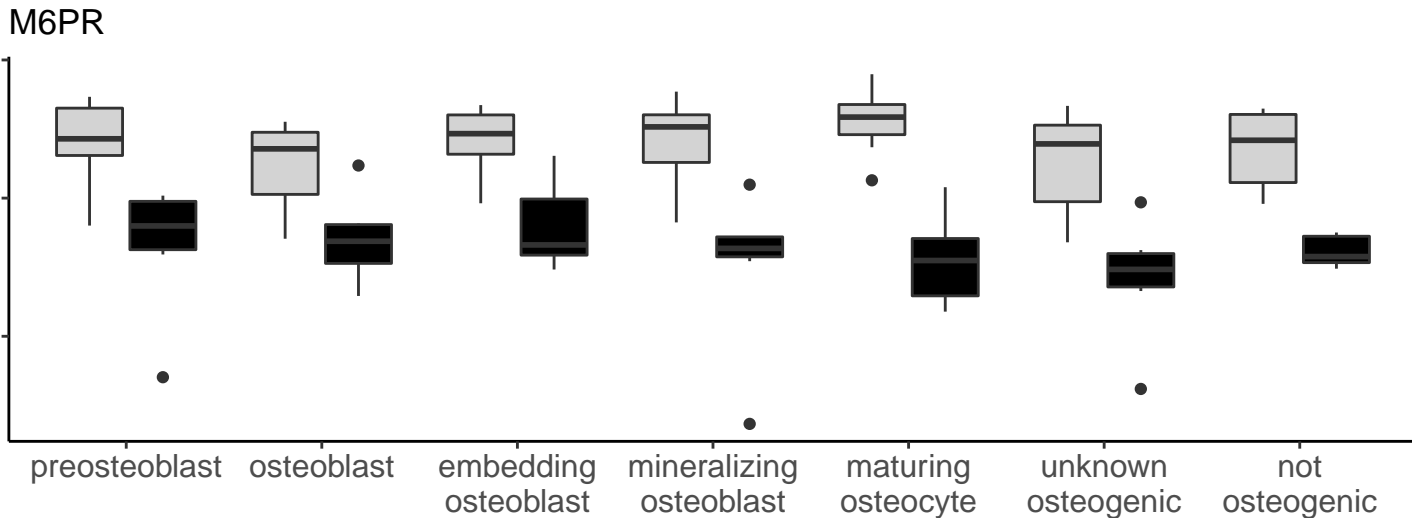
mineralizing
osteoblast

maturing
osteocyte

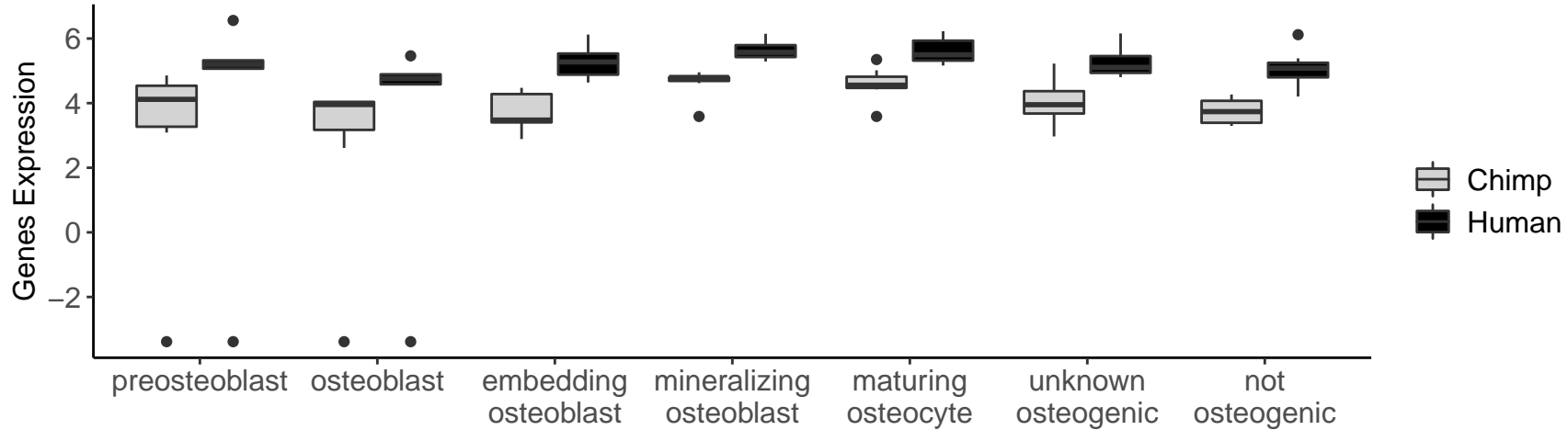
unknown
osteogenic

not
osteogenic

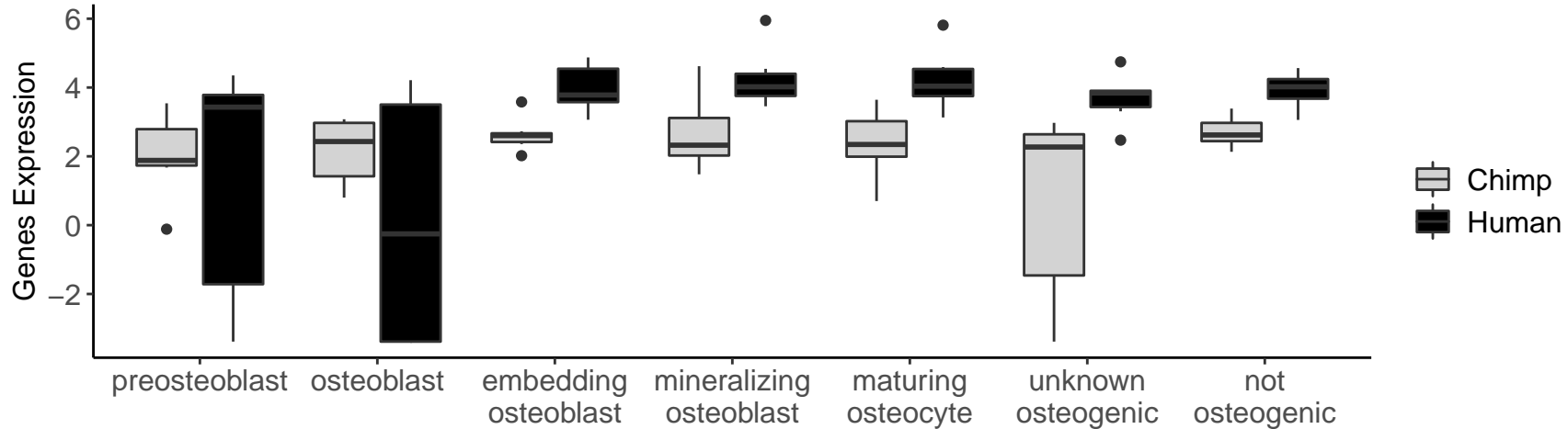
Chimp
Human



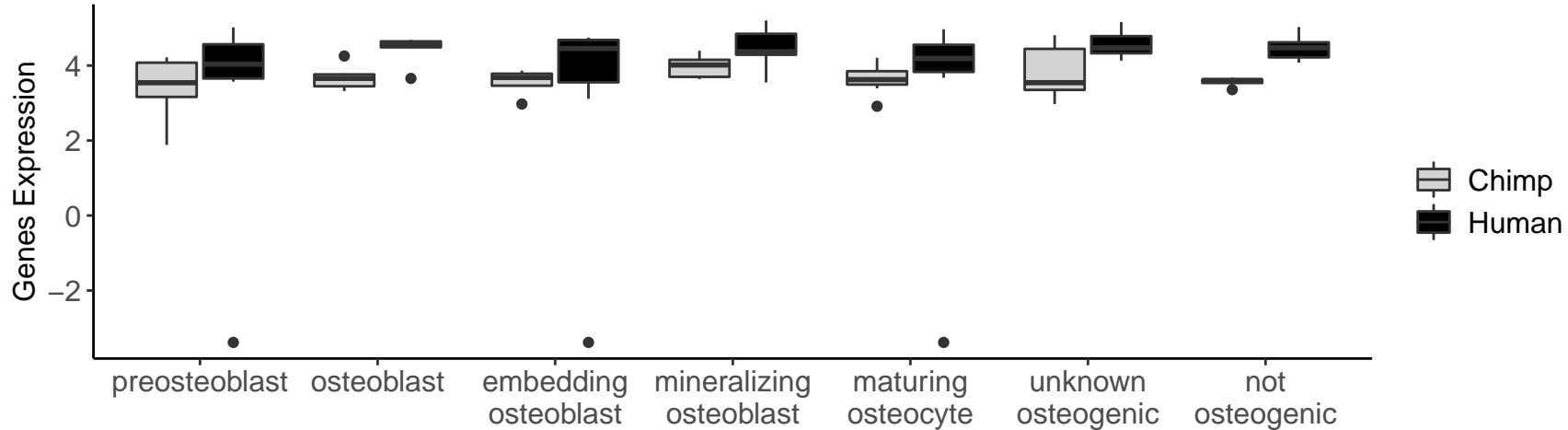
MAN2B2



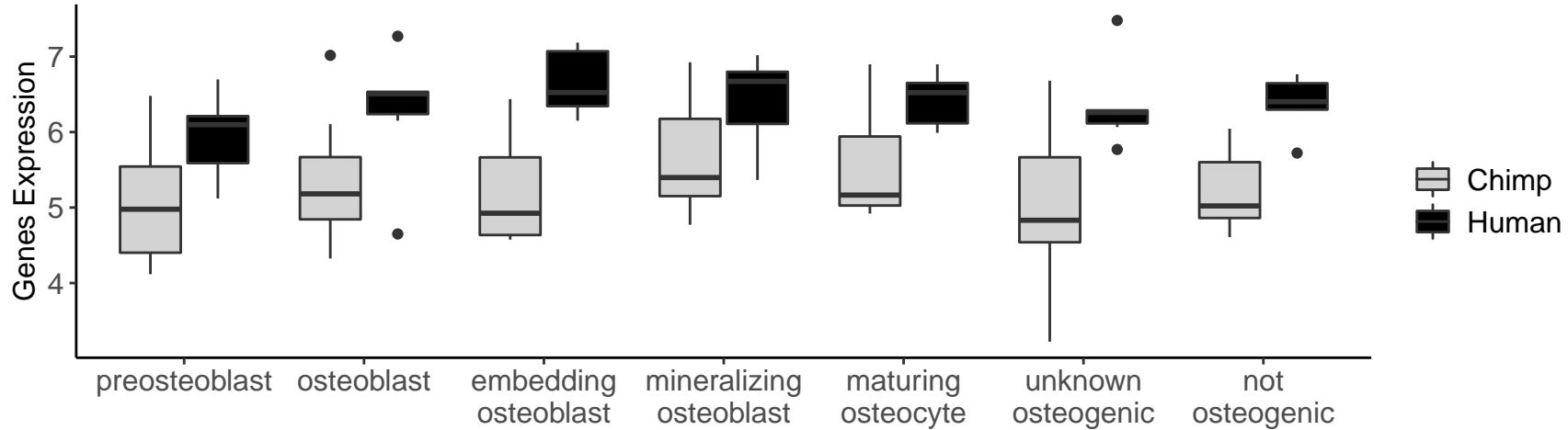
MAPK11



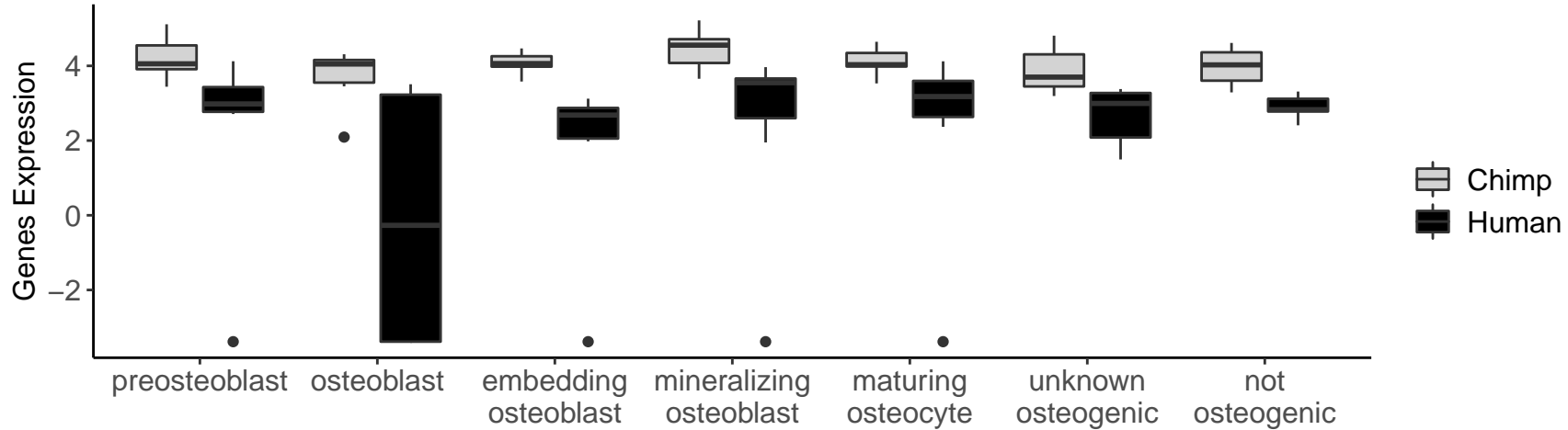
MAPK8



MARS1



MED17



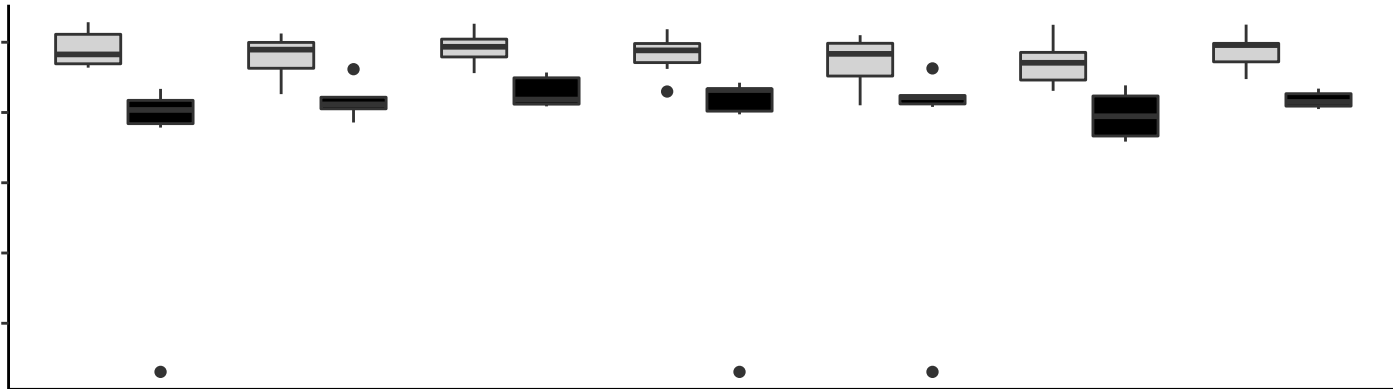
MED25

Genes Expression

6
4
2
0
-2

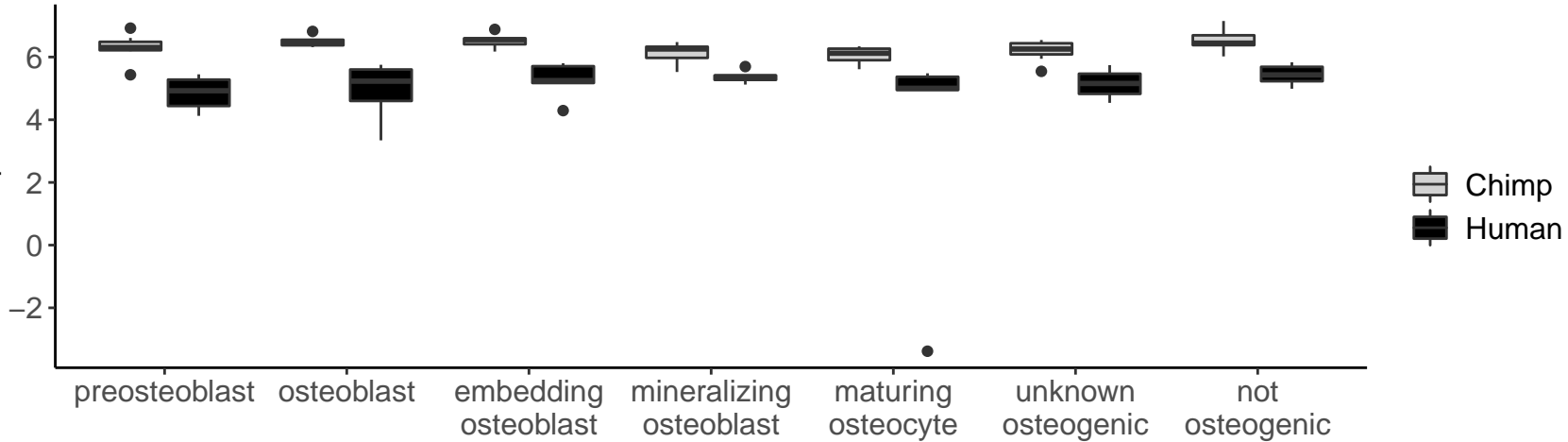
Chimp
Human

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



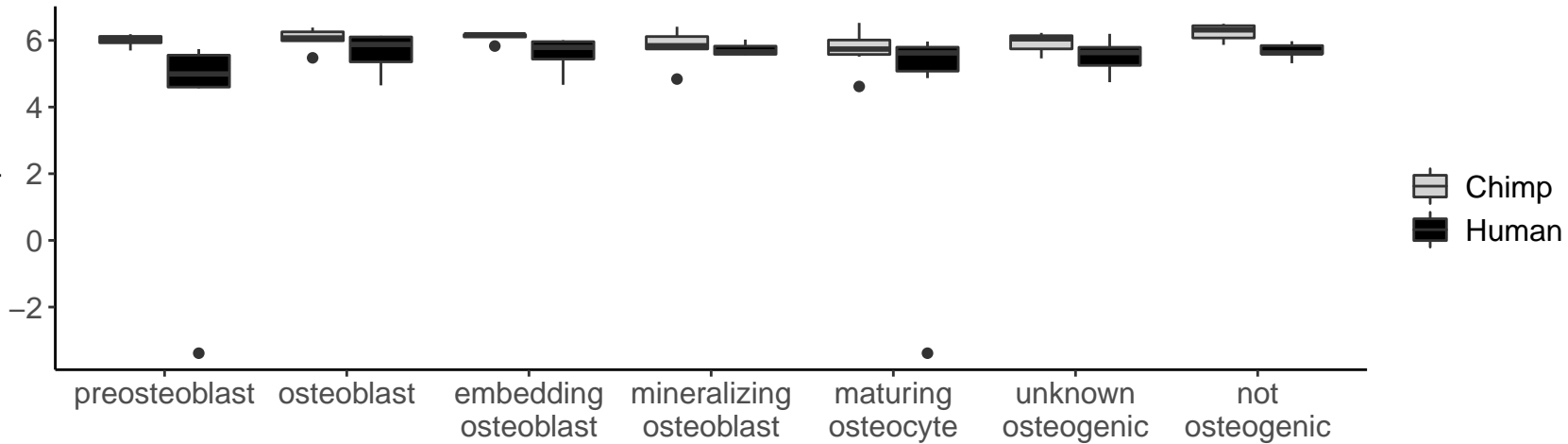
MED29

Genes Expression



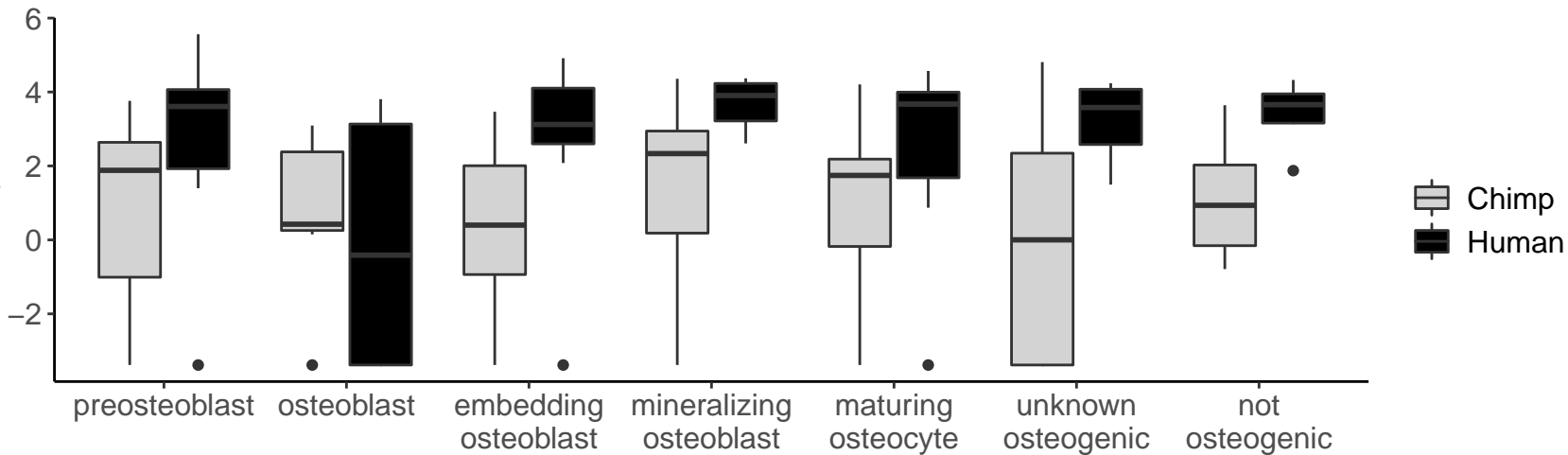
MED6

Genes Expression



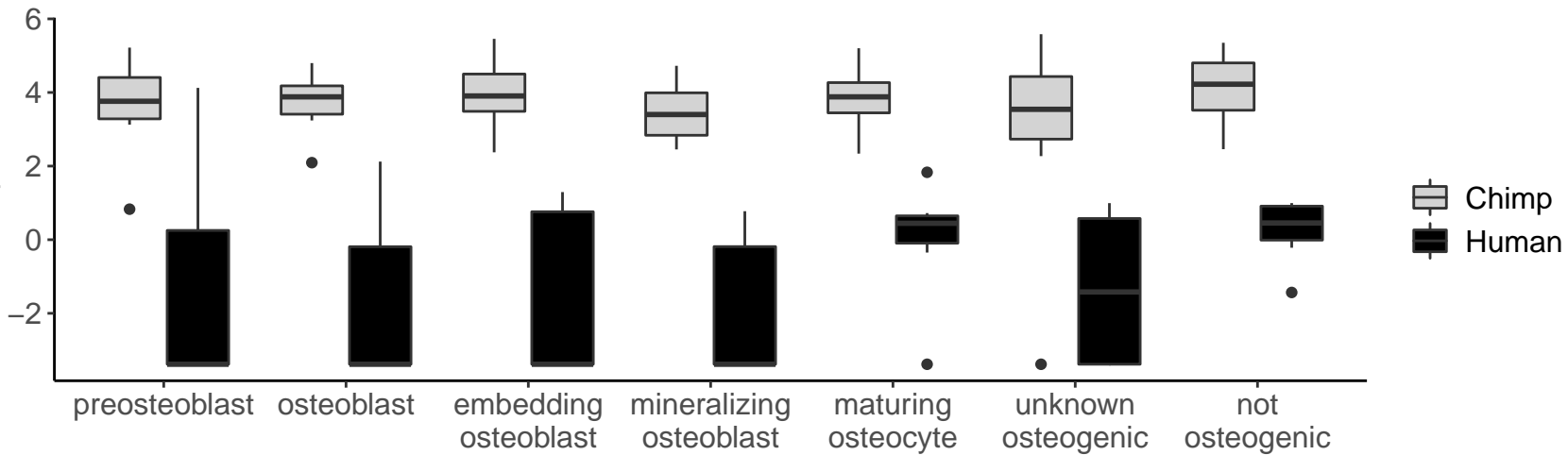
MEGF9

Genes Expression



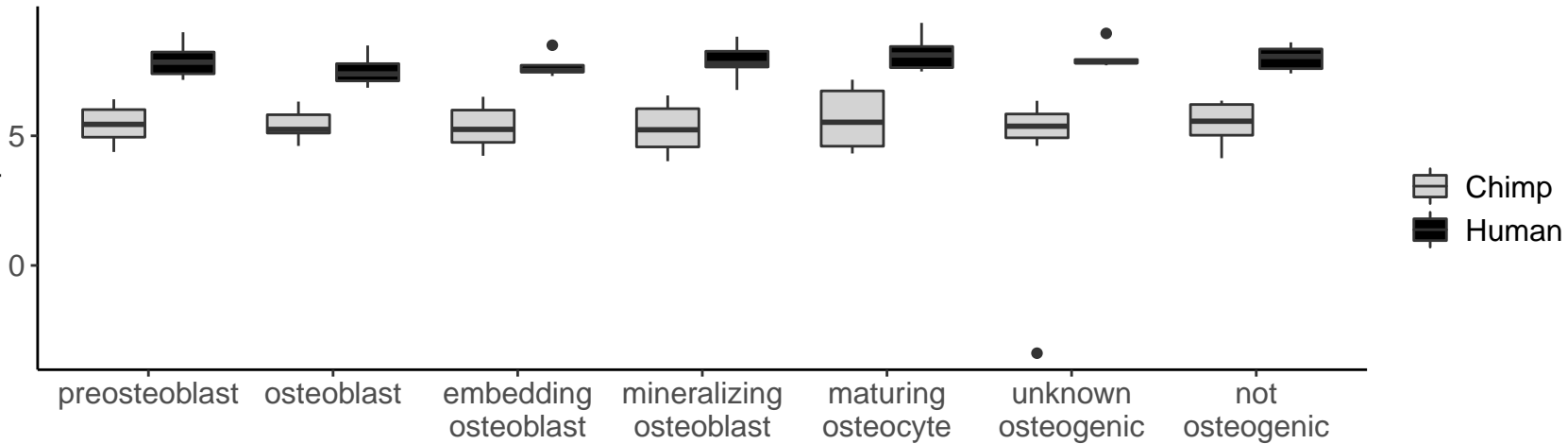
MEIG1

Genes Expression

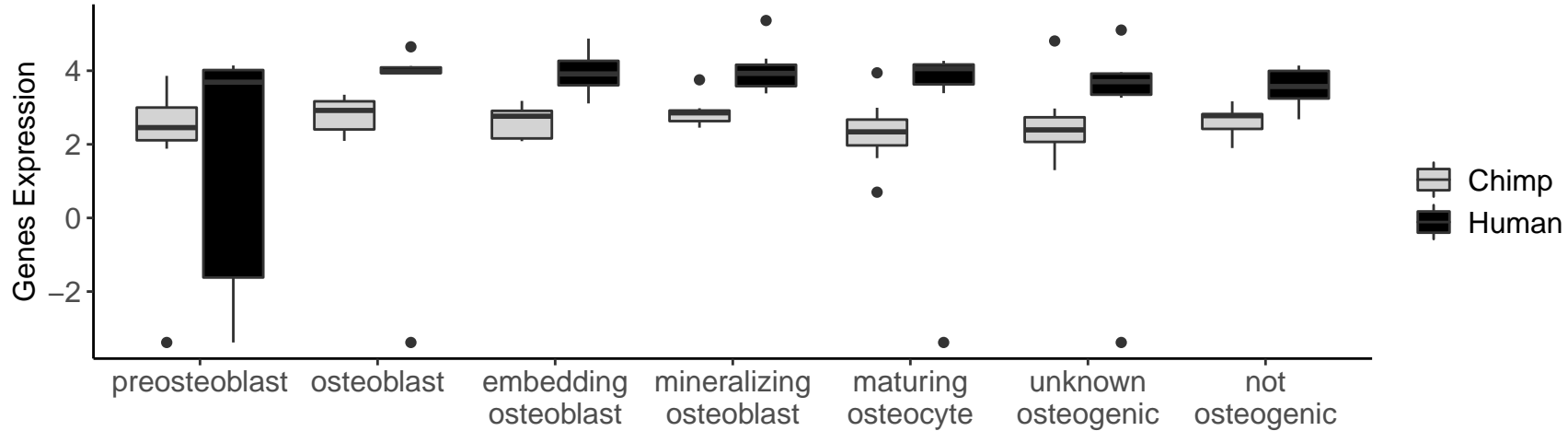


METR

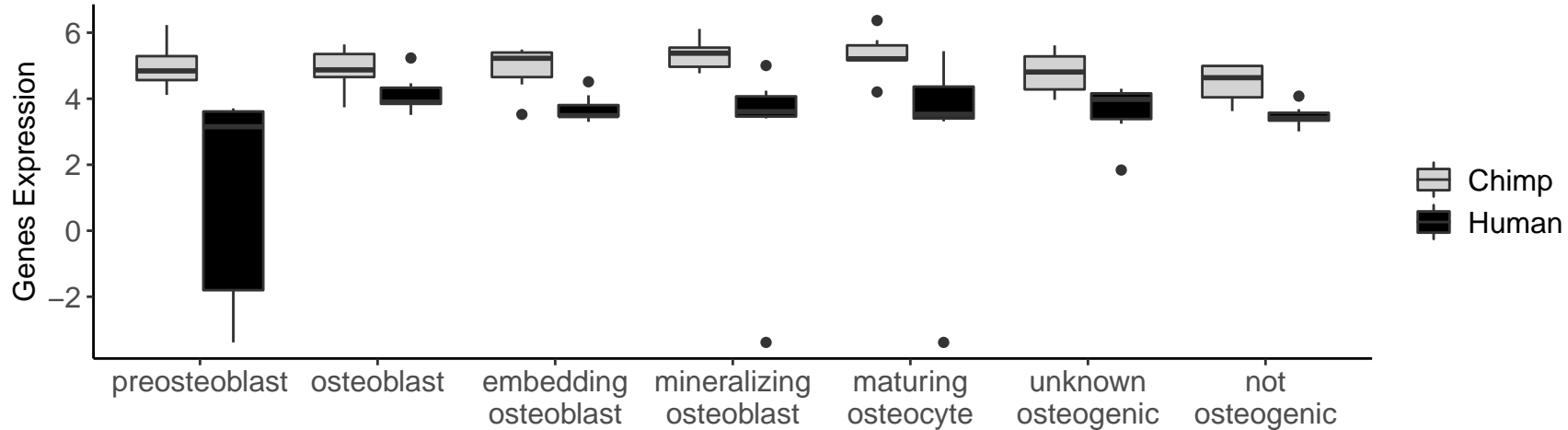
Genes Expression



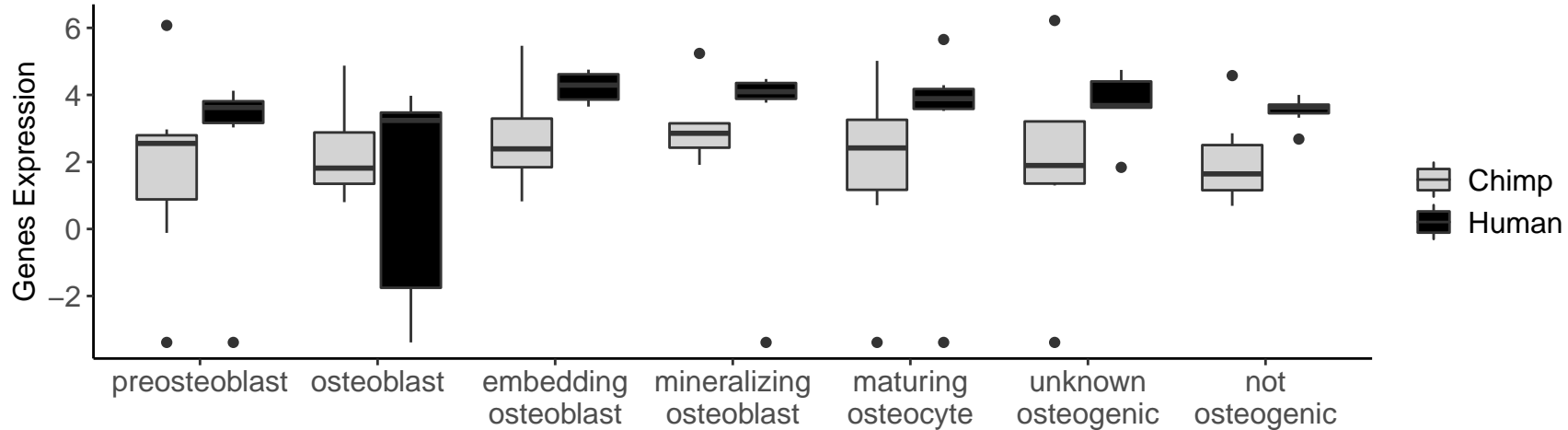
METTL4



MFSD4B



MICALL2



MLYCD

Genes Expression

4
2
0
-2

preosteoblast

osteoblast

embedding
osteoblast

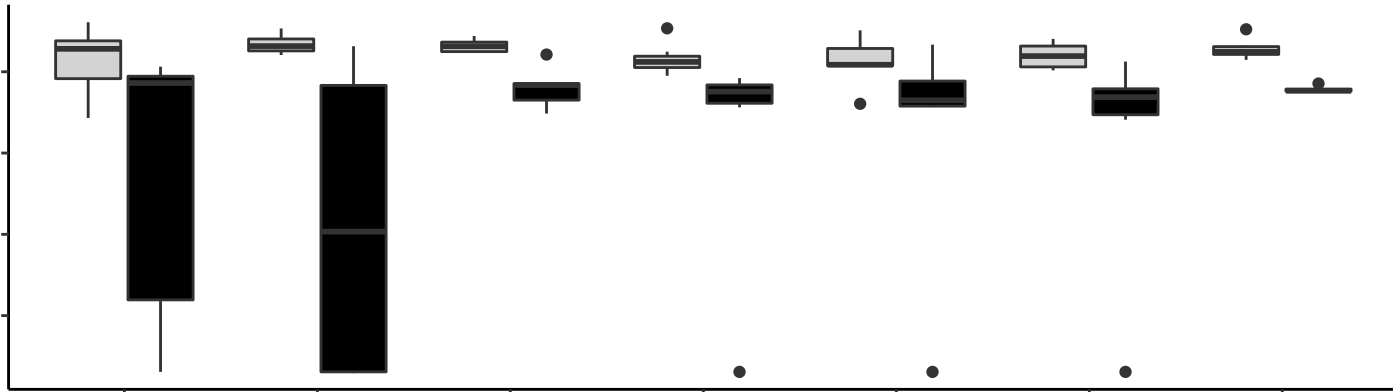
mineralizing
osteoblast

maturing
osteocyte

unknown
osteogenic

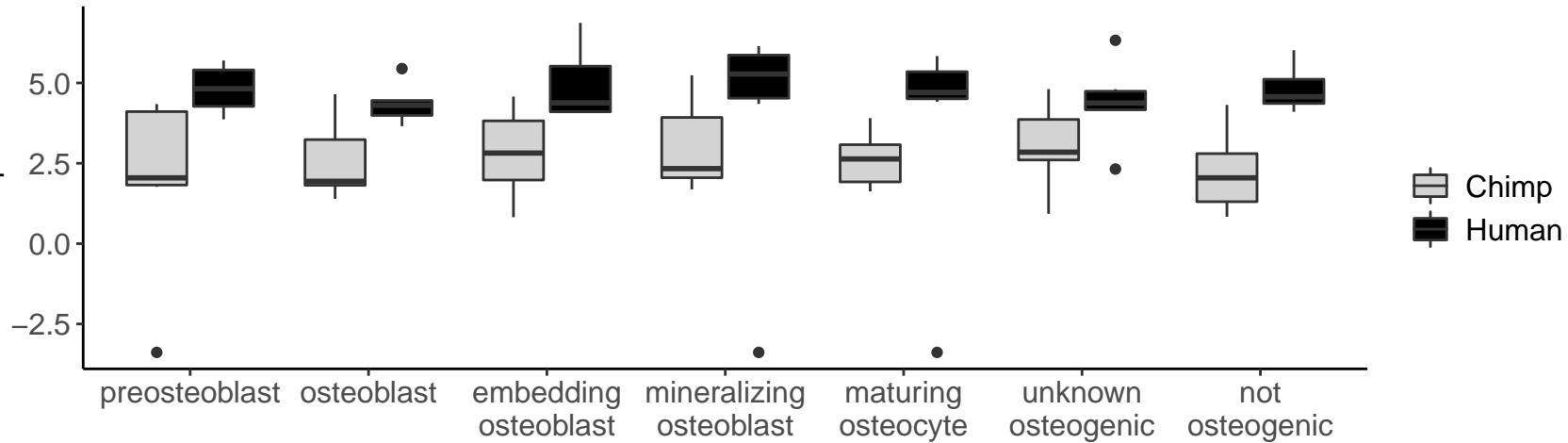
not
osteogenic

Chimp
Human

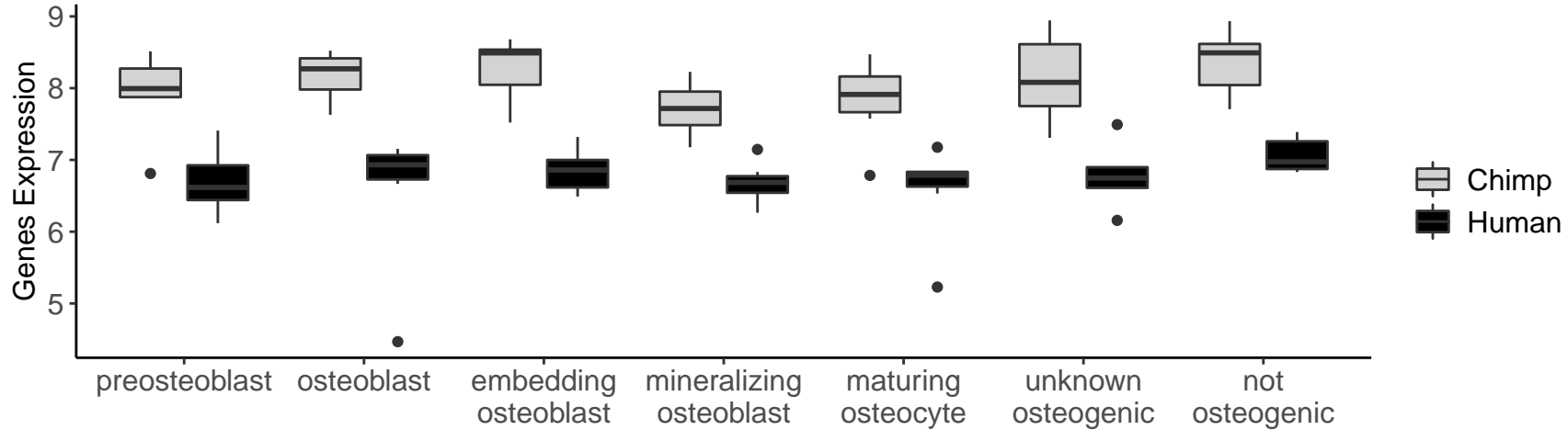


MN1

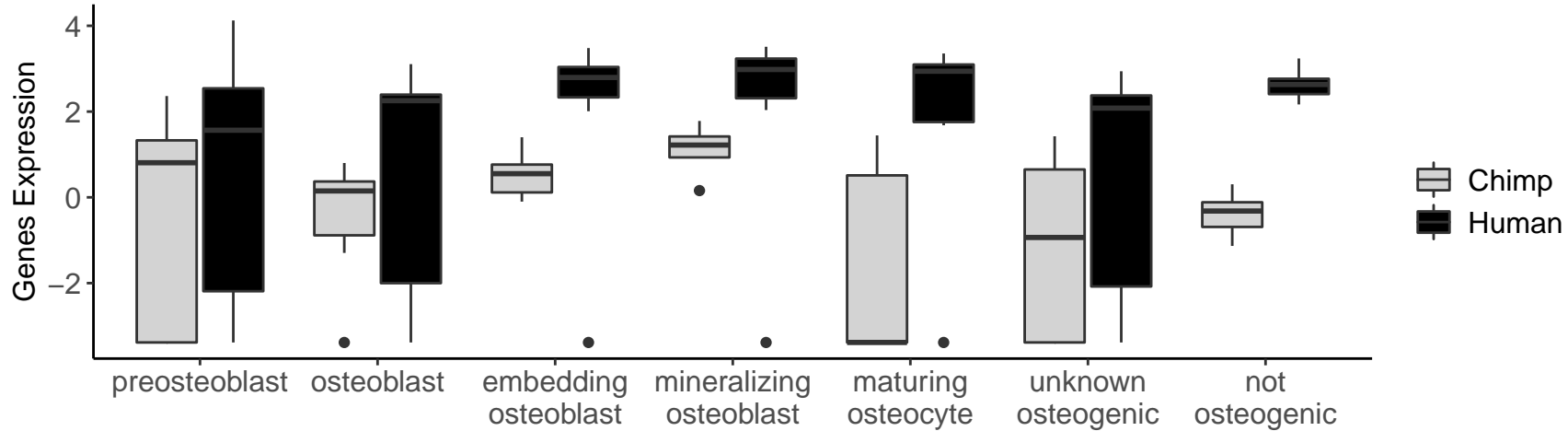
Genes Expression



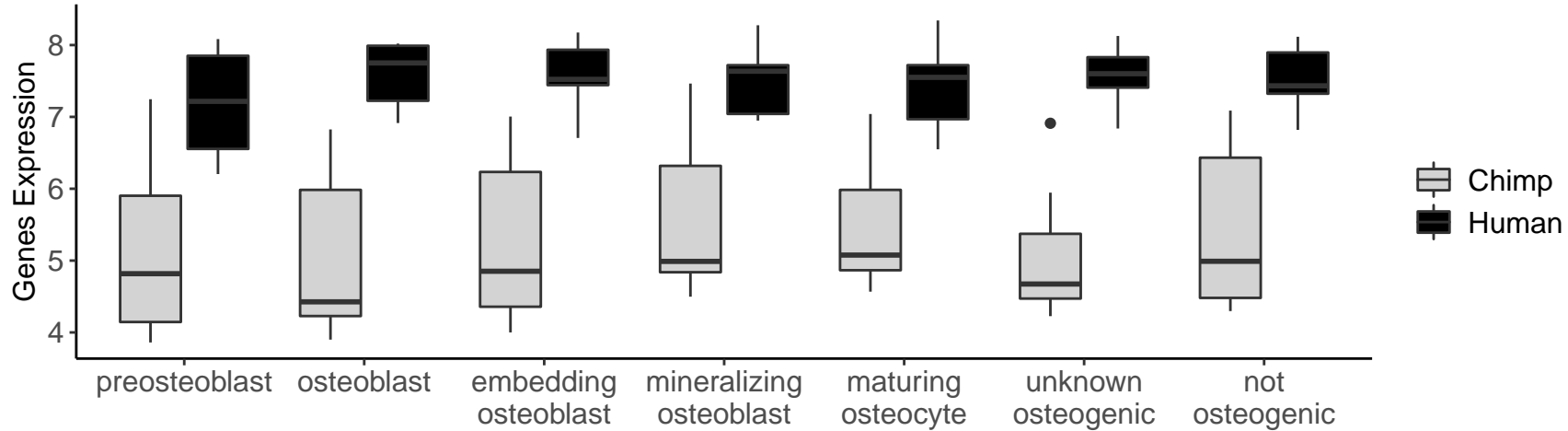
MPST



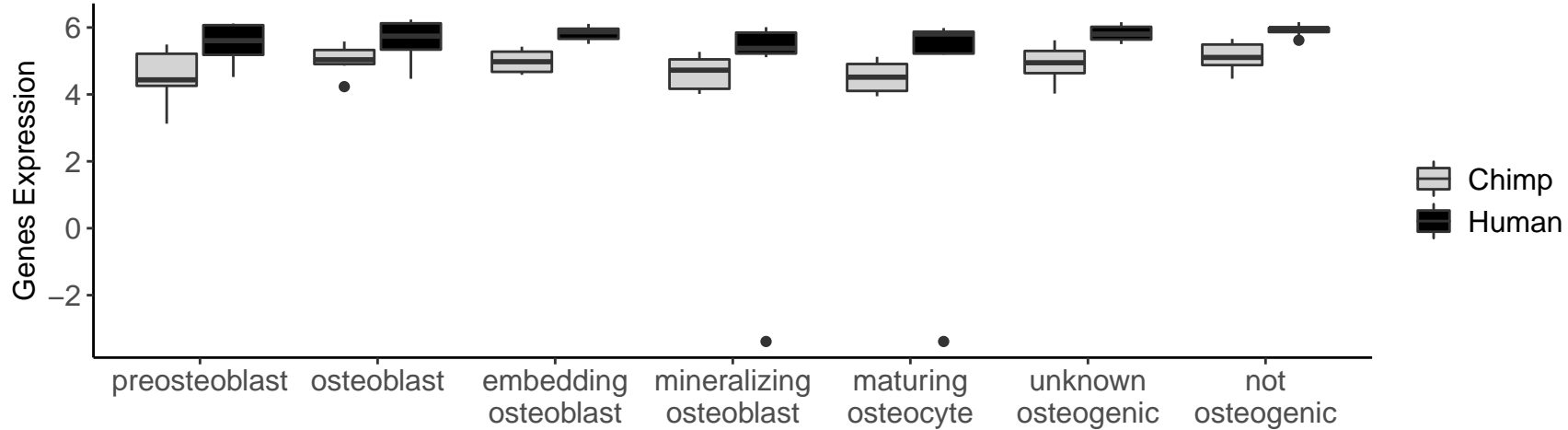
MROH6



MTHFD2



MTIF3



MTSS1

Genes Expression

8

4

0

preosteoblast

osteoblast

embedding
osteoblast

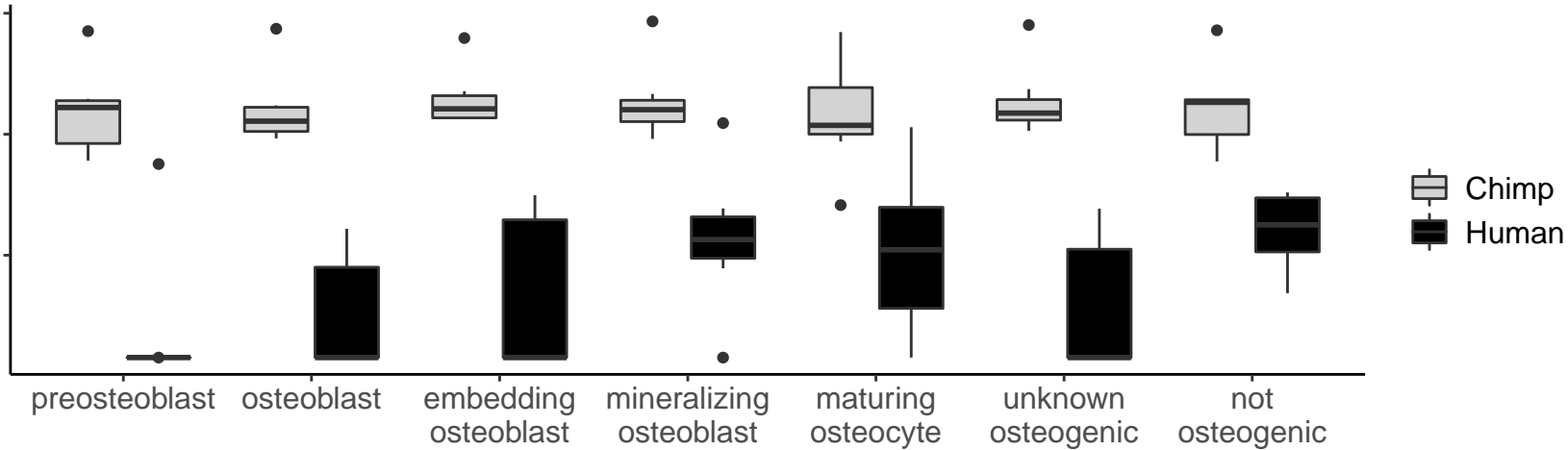
mineralizing
osteoblast

maturing
osteocyte

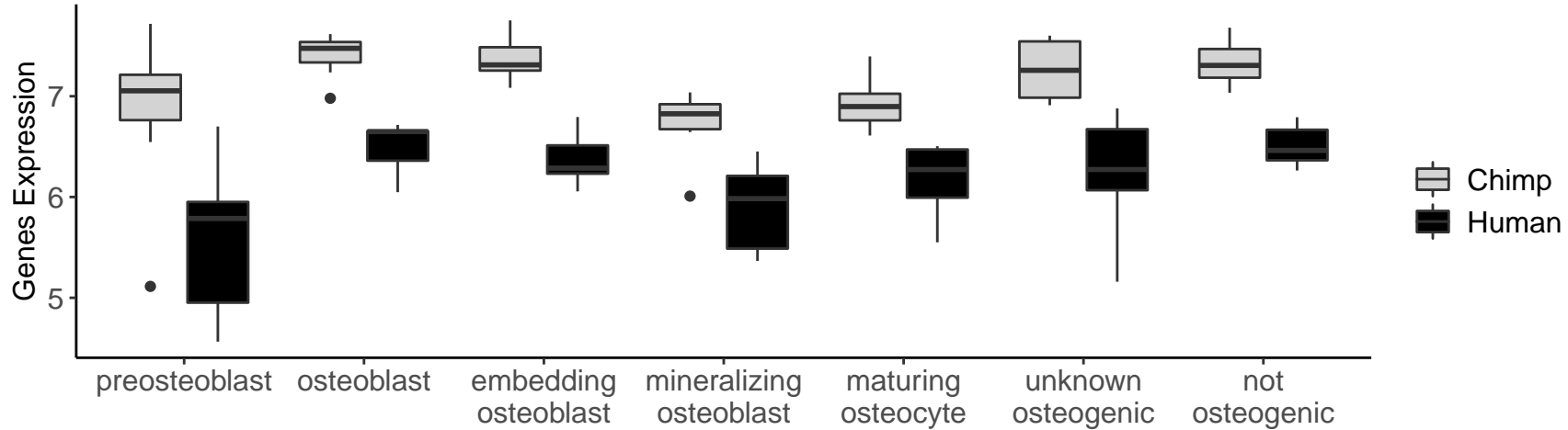
unknown
osteogenic

not
osteogenic

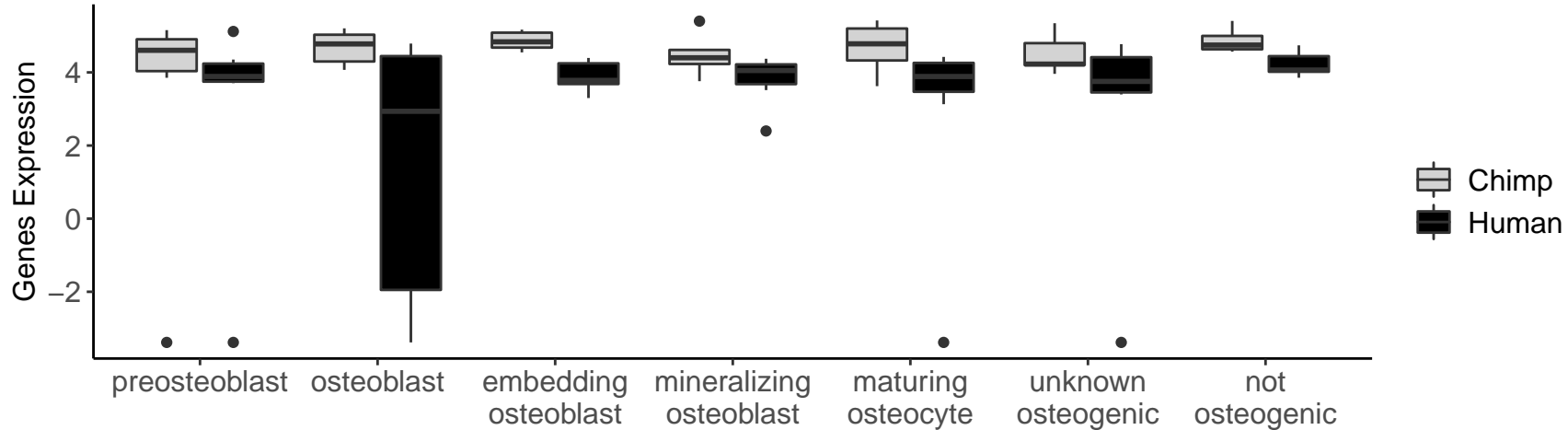
Chimp
Human



MVB12A

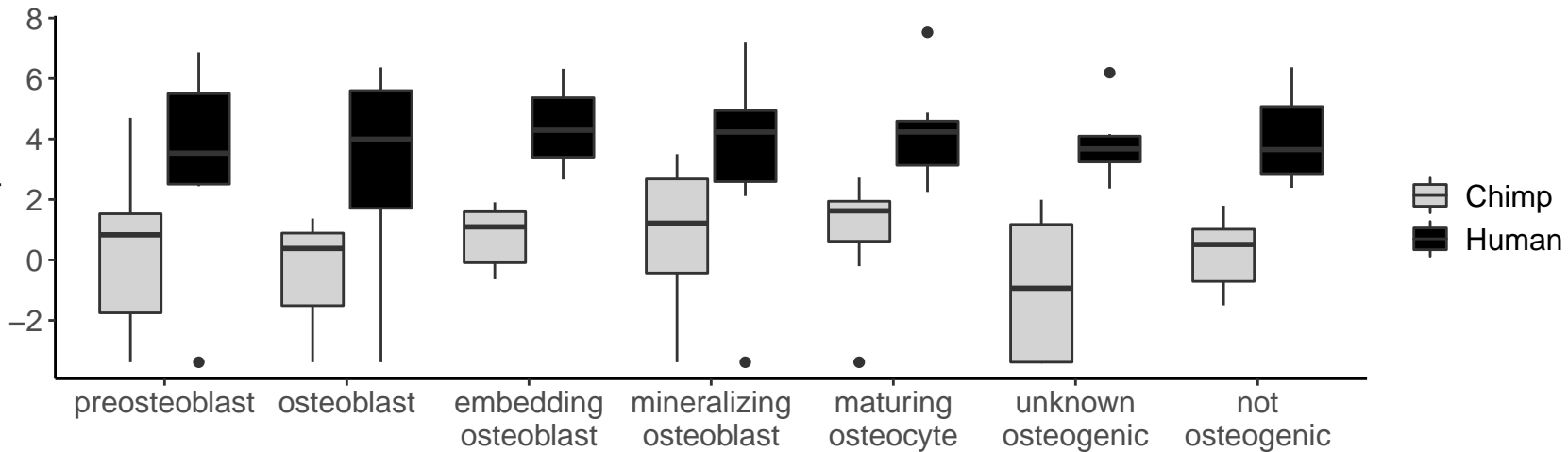


NFKBIB



NOTCH3

Genes Expression



NPAT

Genes Expression

4
2
0
-2

preosteoblast

osteoblast

embedding
osteoblast

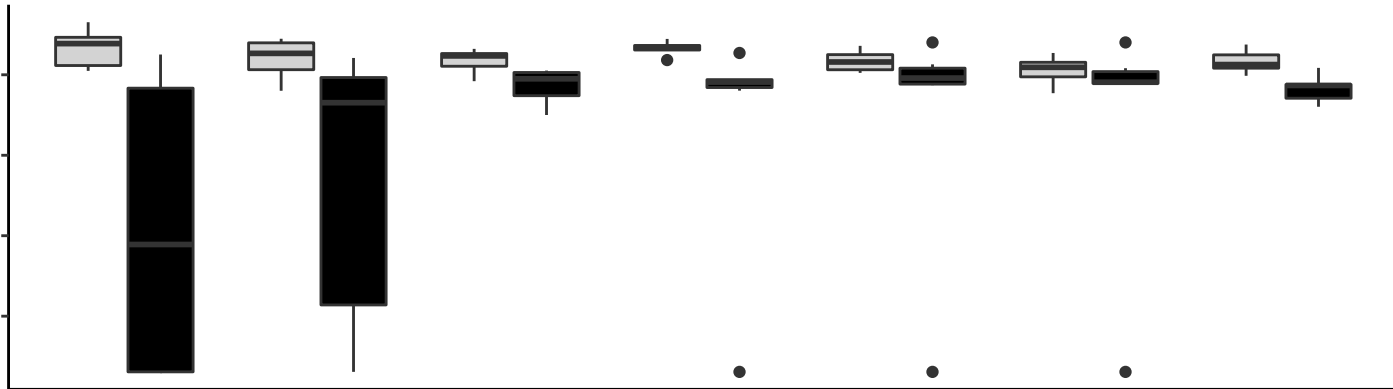
mineralizing
osteoblast

maturing
osteocyte

unknown
osteogenic

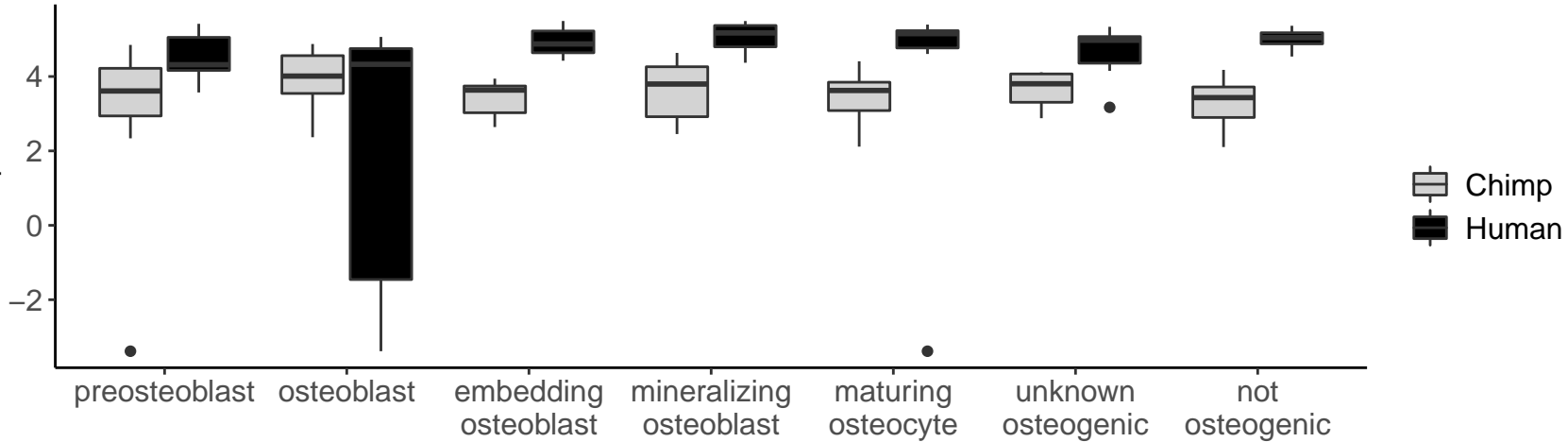
not
osteogenic

Chimp
Human

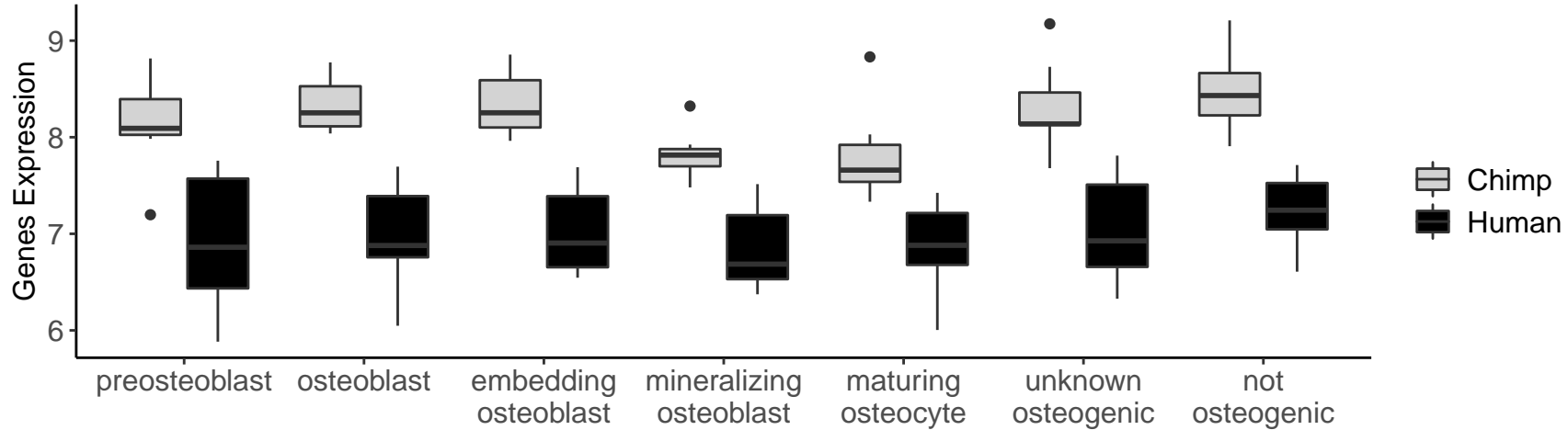


NRSN2

Genes Expression

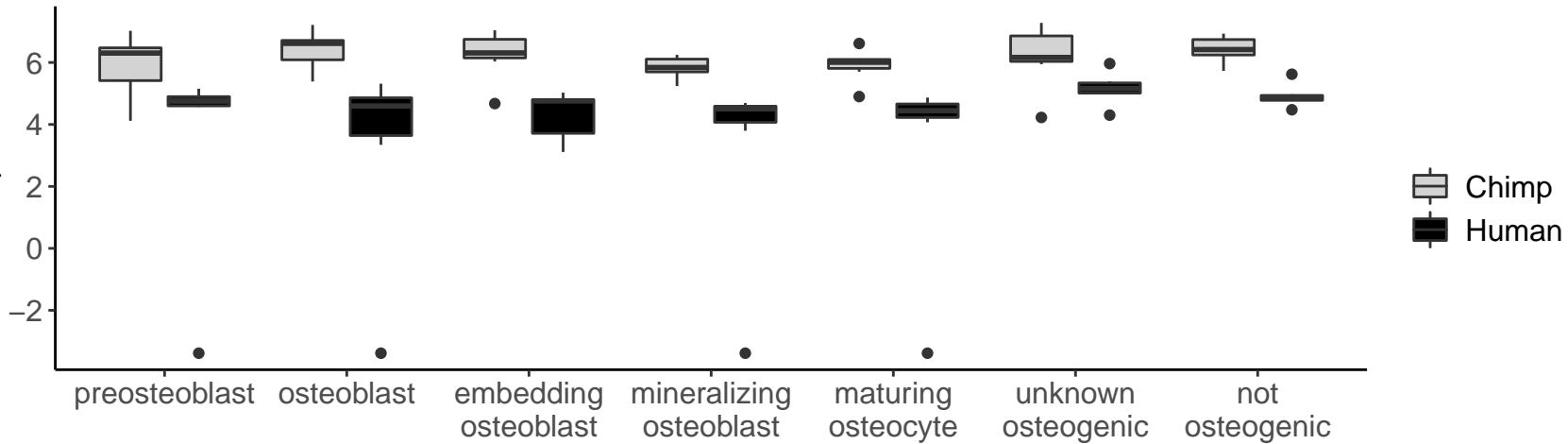


NSA2

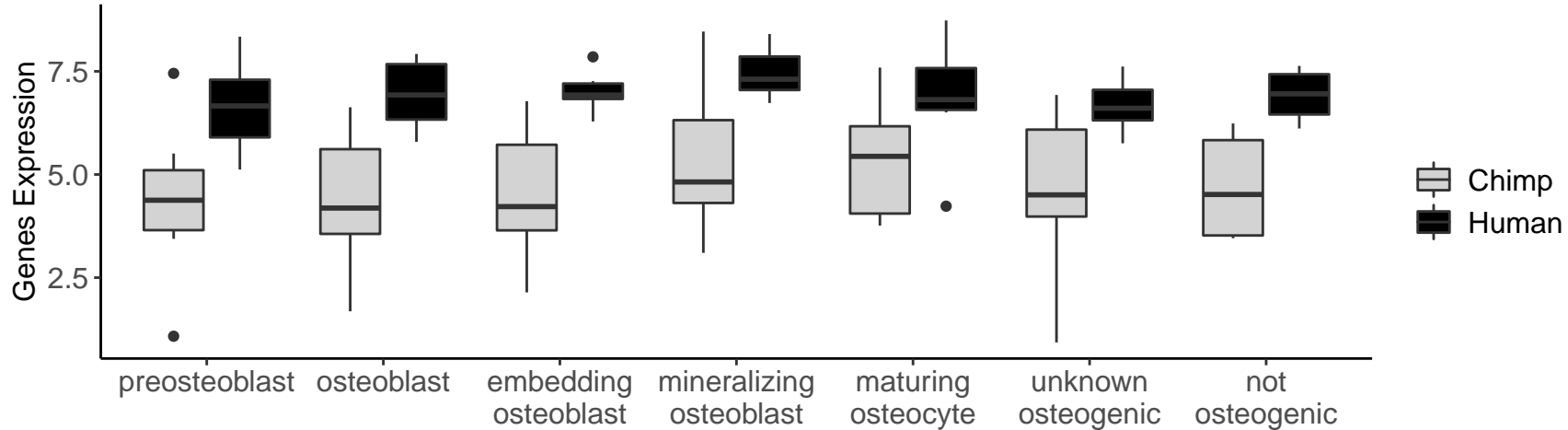


NSMCE1

Genes Expression



NUAK1



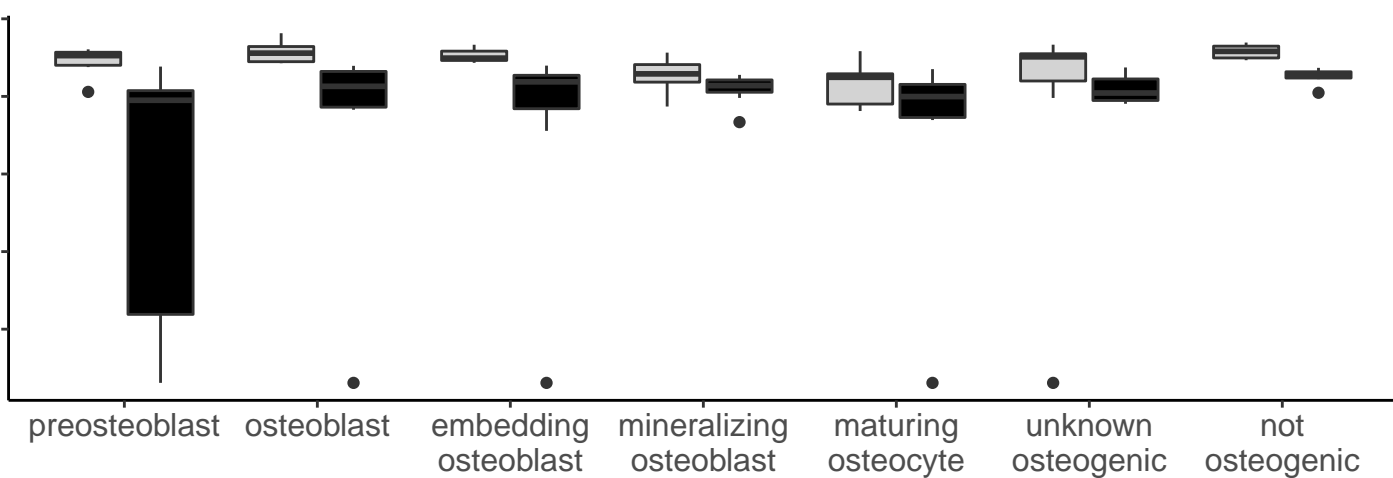
NUBP1

Genes Expression

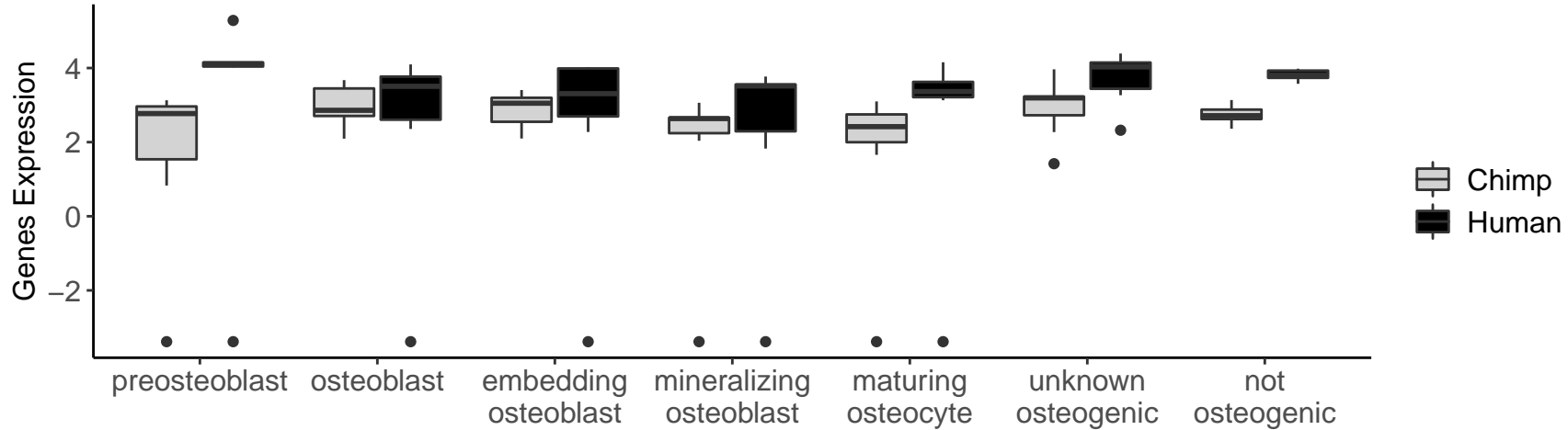
6
4
2
0
-2

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

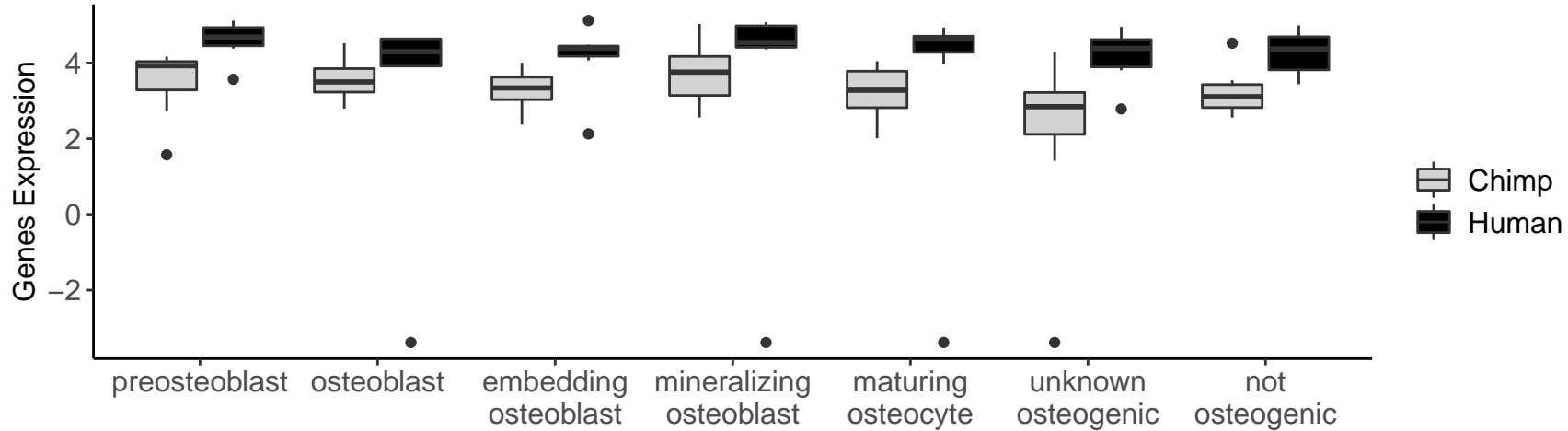
Chimp
Human



NUDT6

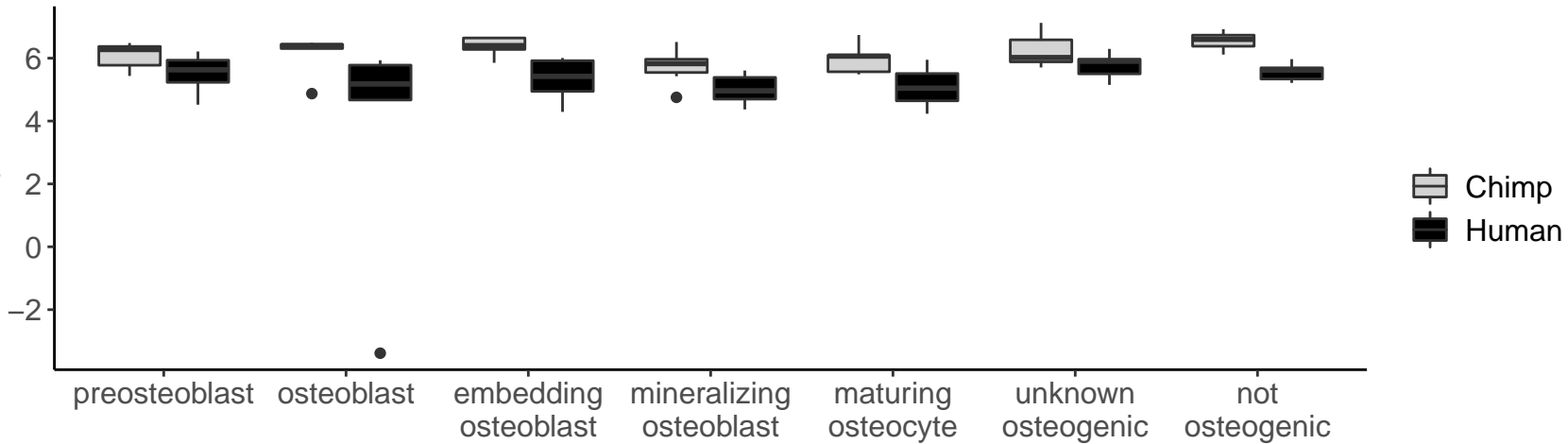


NXPE3



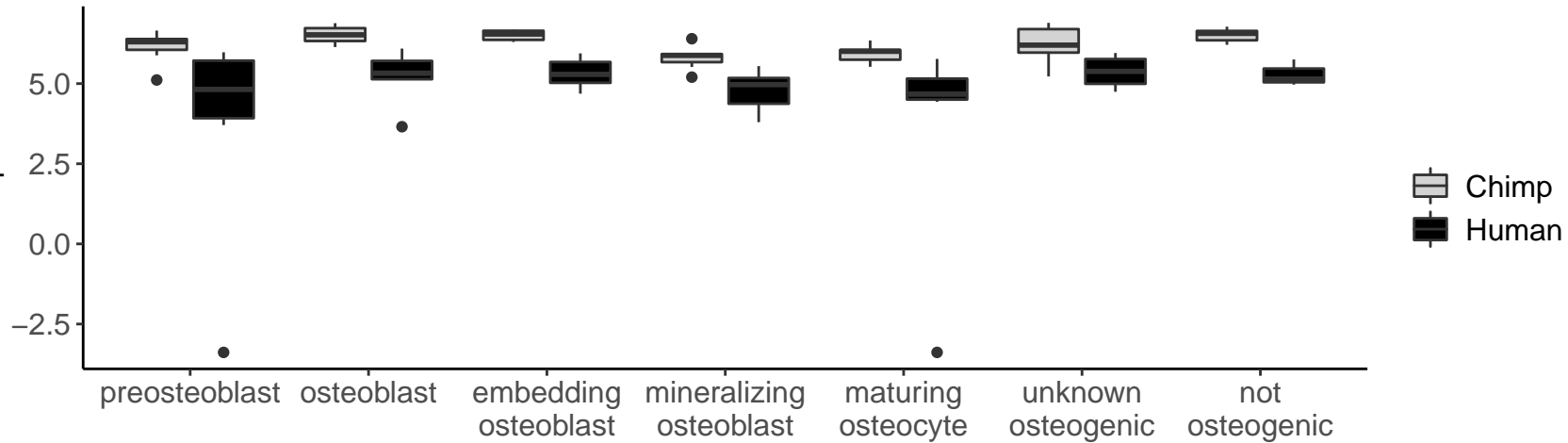
OARD1

Genes Expression



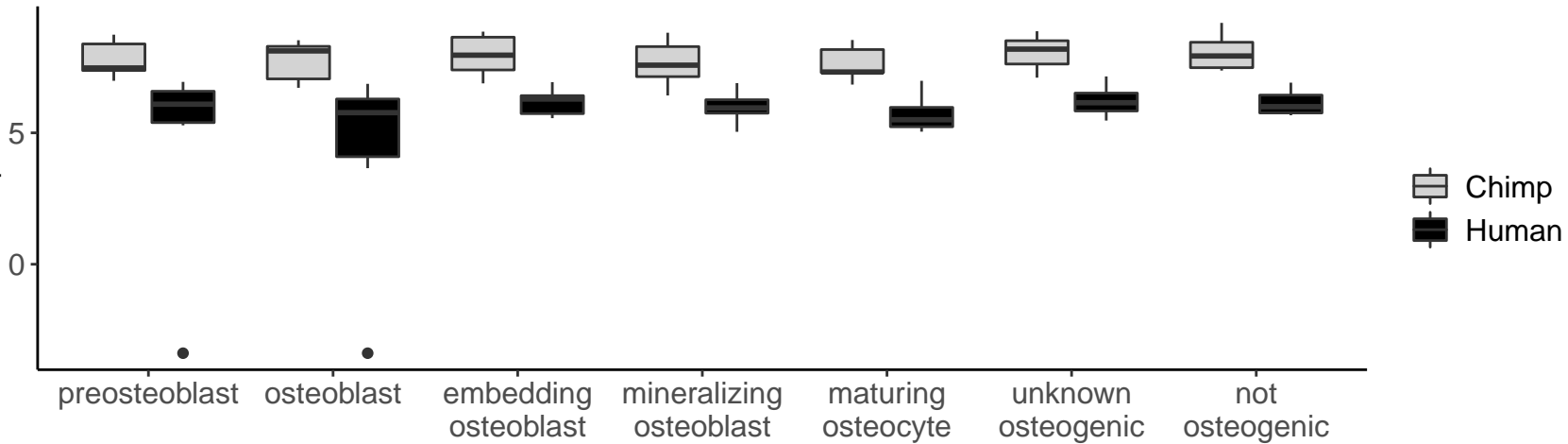
OCEL1

Genes Expression



ORAI3

Genes Expression



Chimp
Human

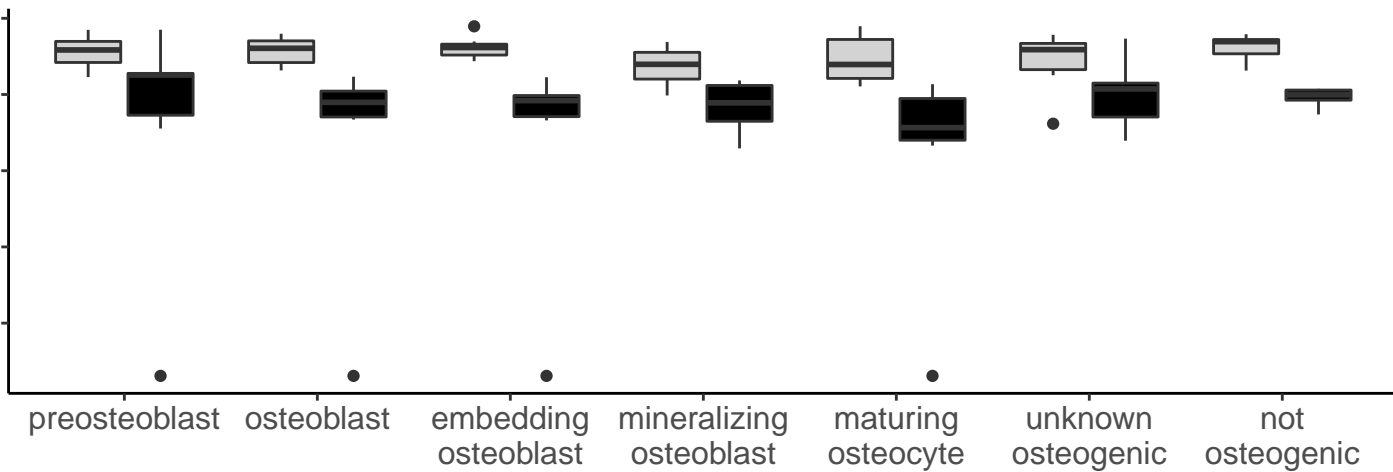
OXSM

Genes Expression

6
4
2
0
-2

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

Chimp
Human



PABPC1L

Genes Expression

6
4
2
0
-2

preosteoblast

osteoblast

embedding
osteoblast

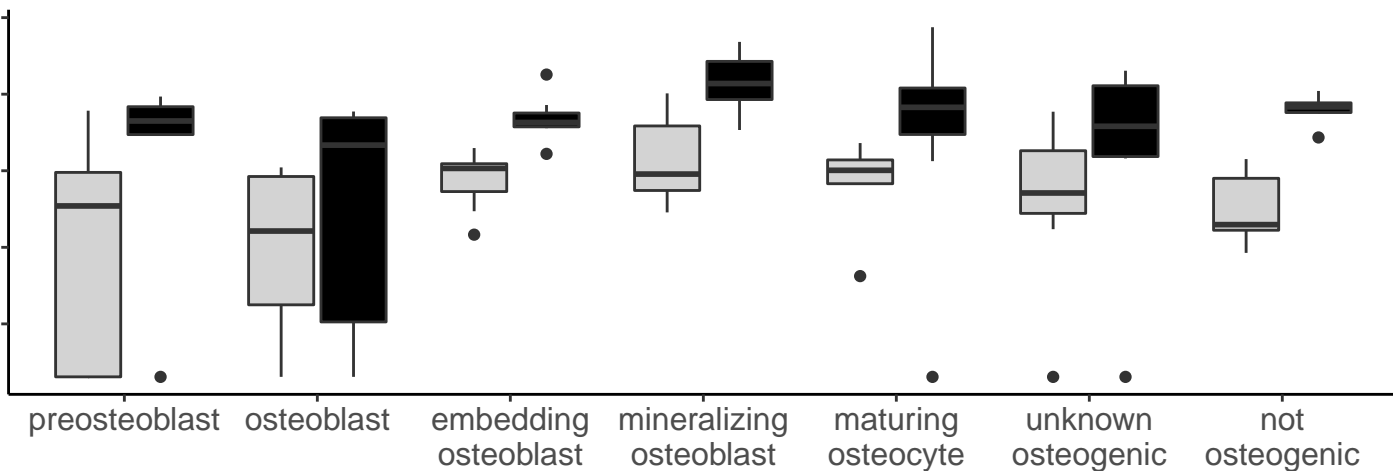
mineralizing
osteoblast

maturing
osteocyte

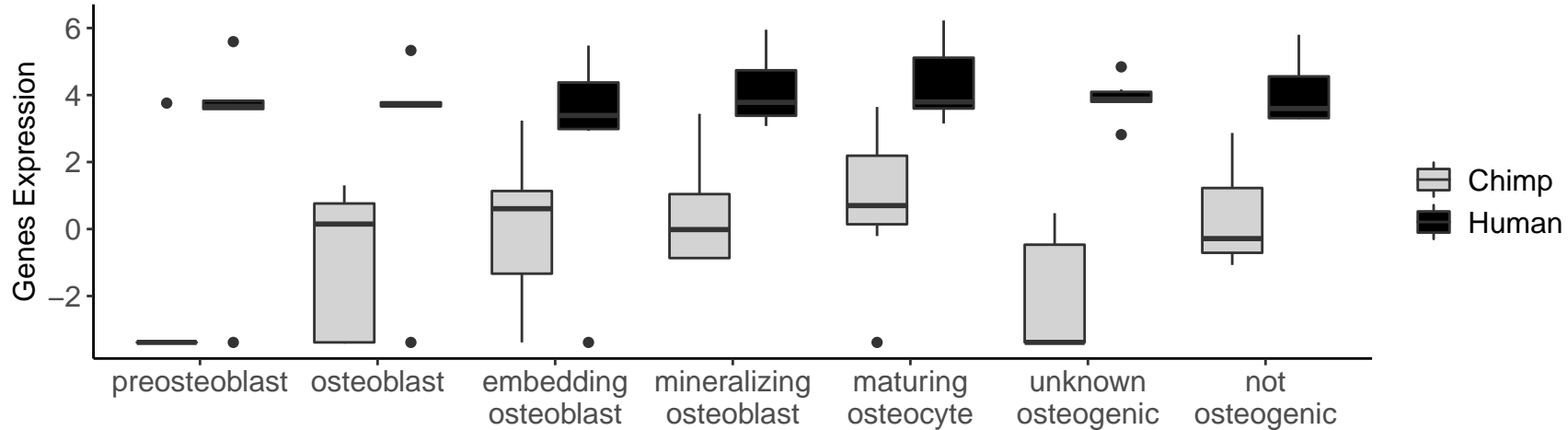
unknown
osteogenic

not
osteogenic

Chimp
Human



PANX2



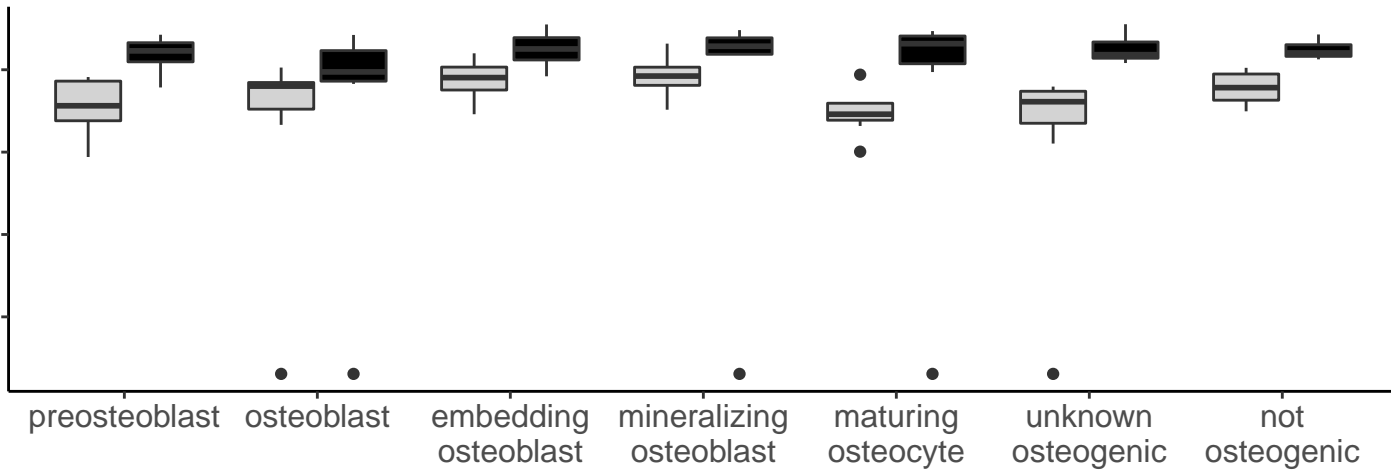
PARN

Genes Expression

4
2
0
-2

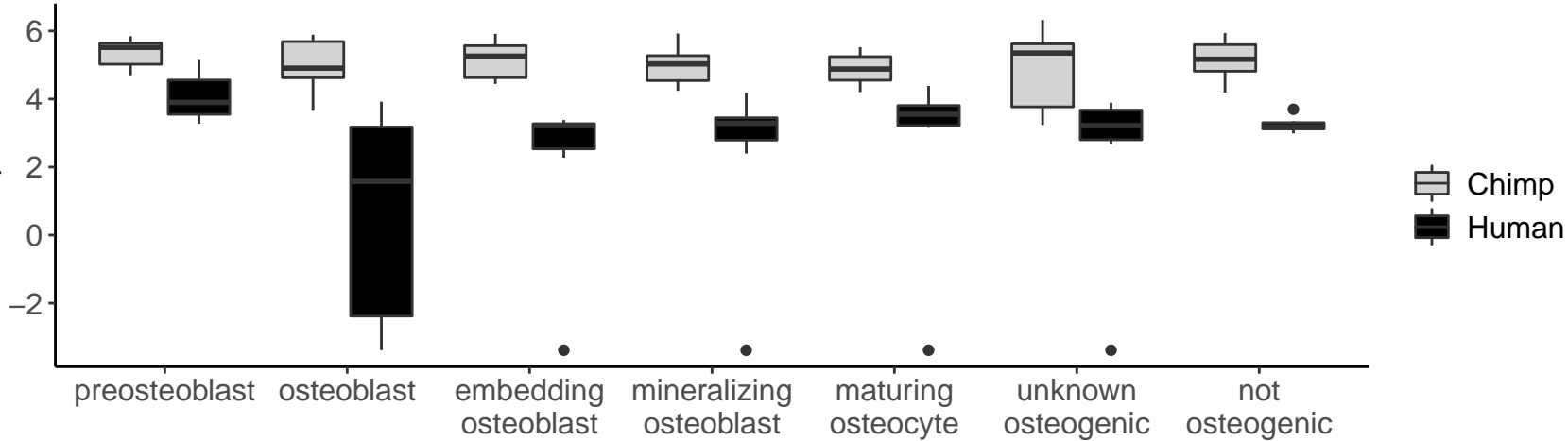
Chimp
Human

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

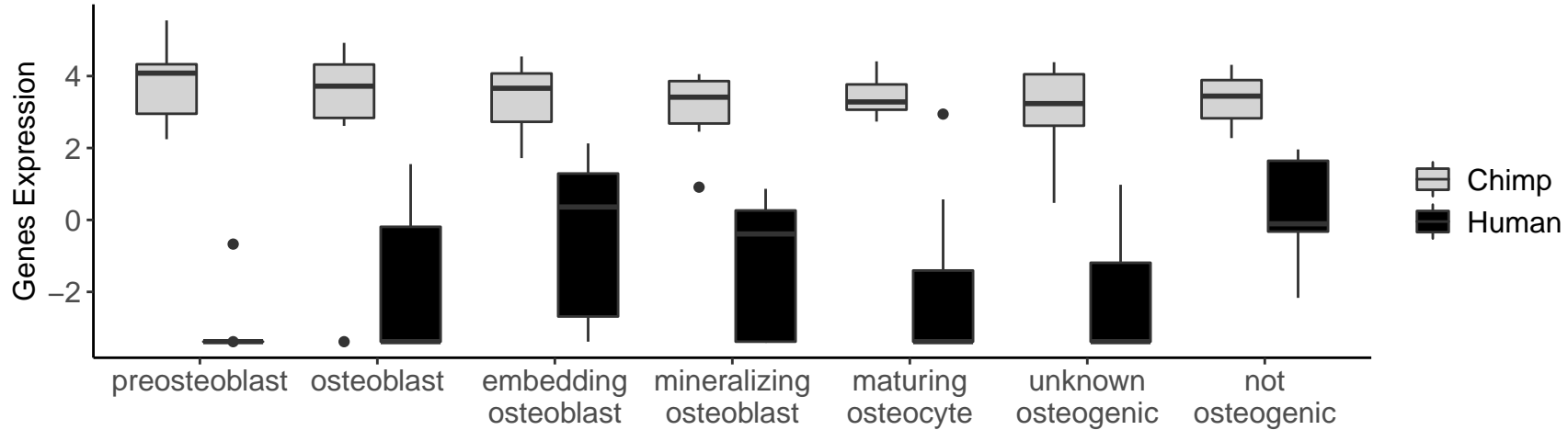


PBLD

Genes Expression

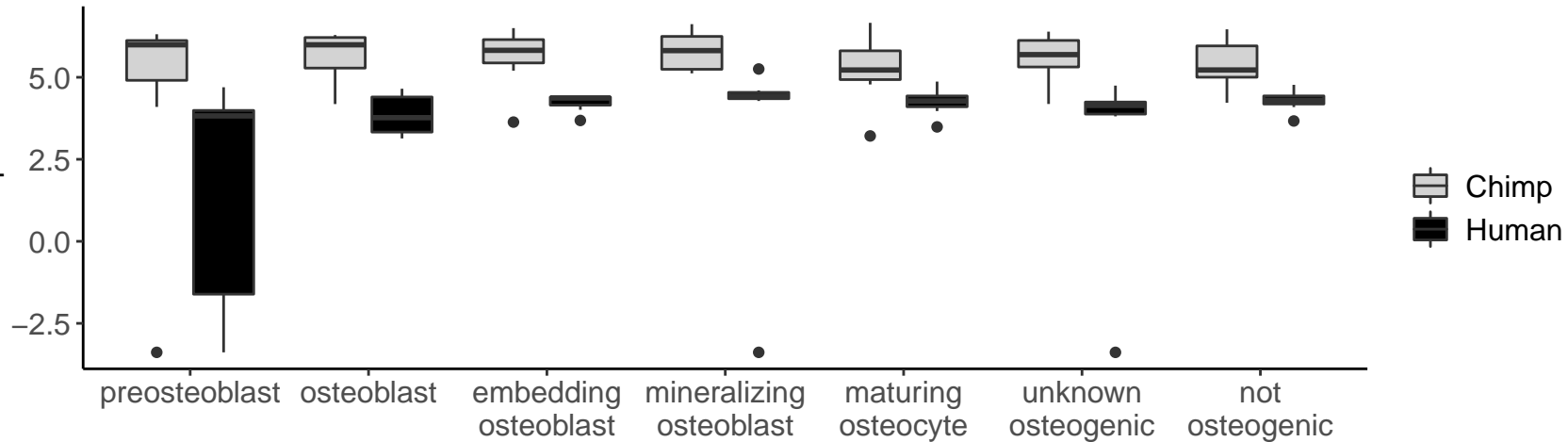


PDE9A



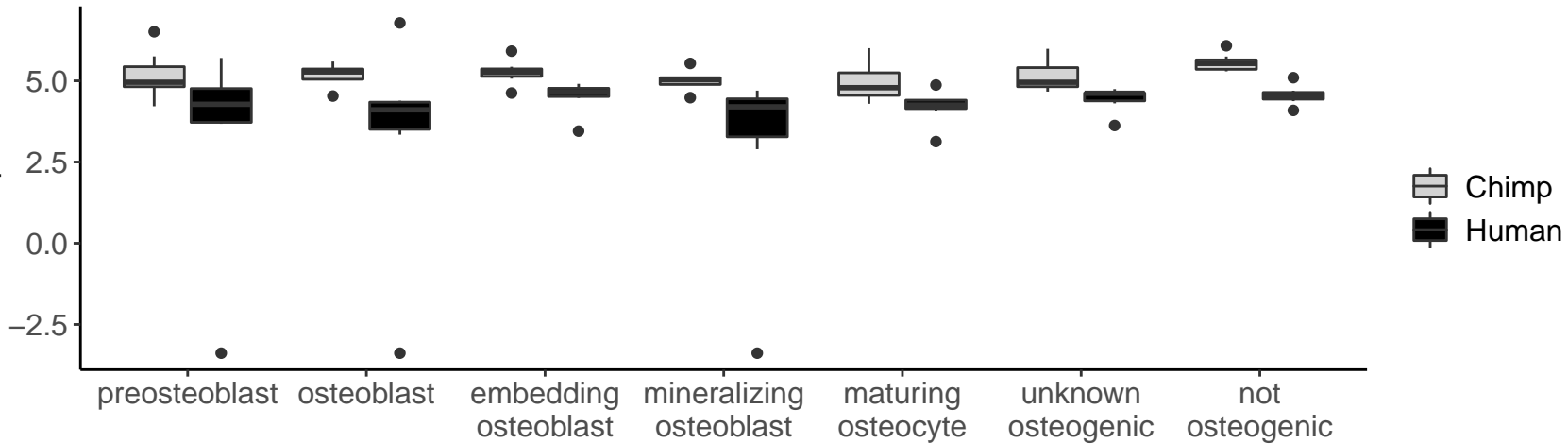
PER1

Genes Expression

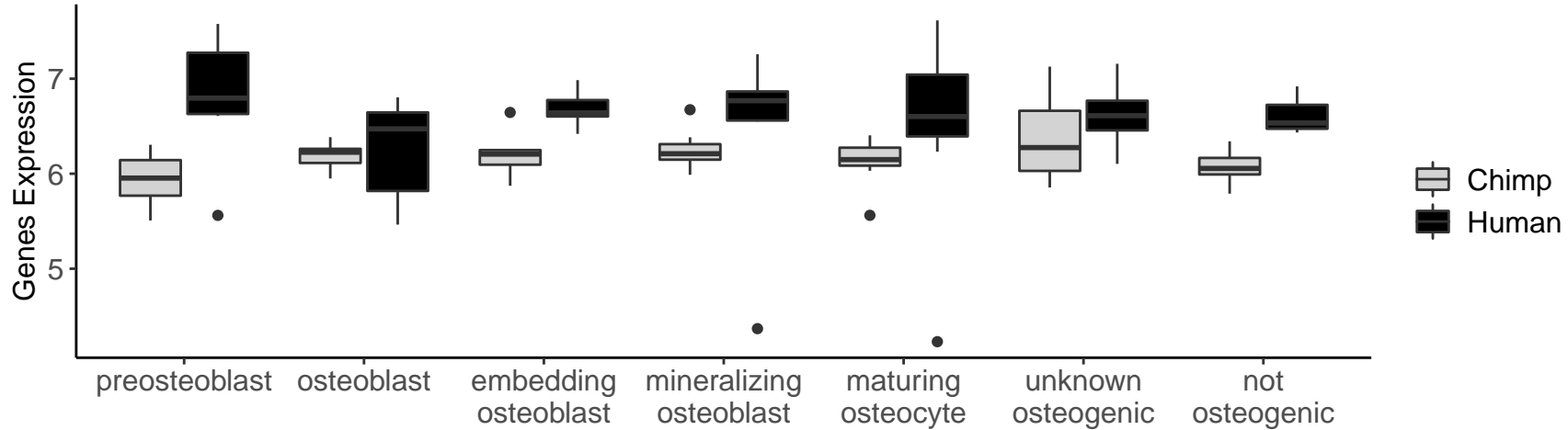


PGM2

Genes Expression

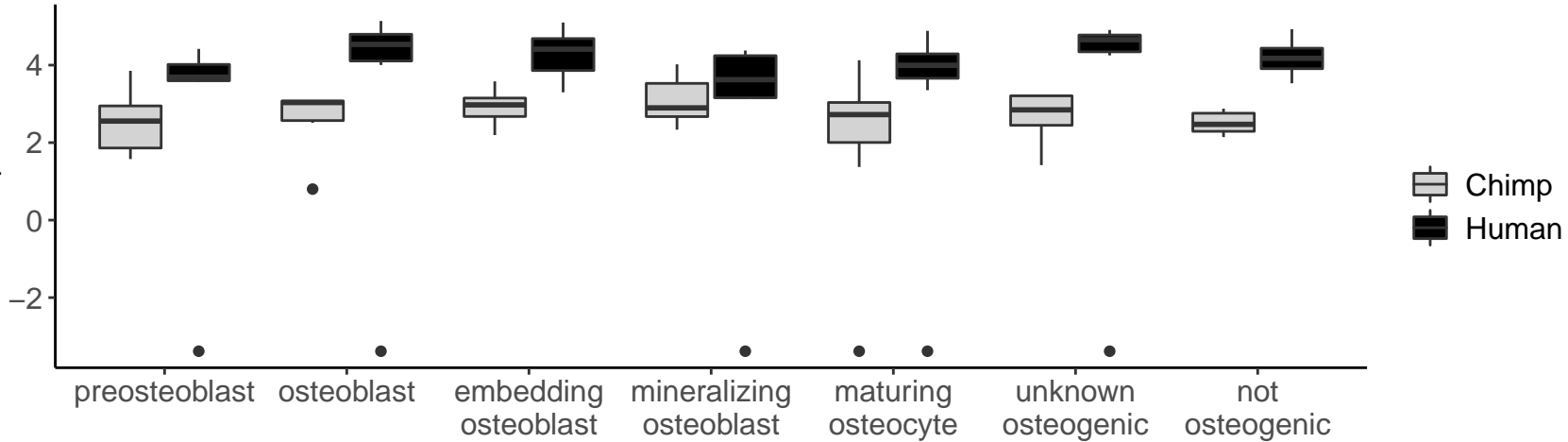


PHF20L1



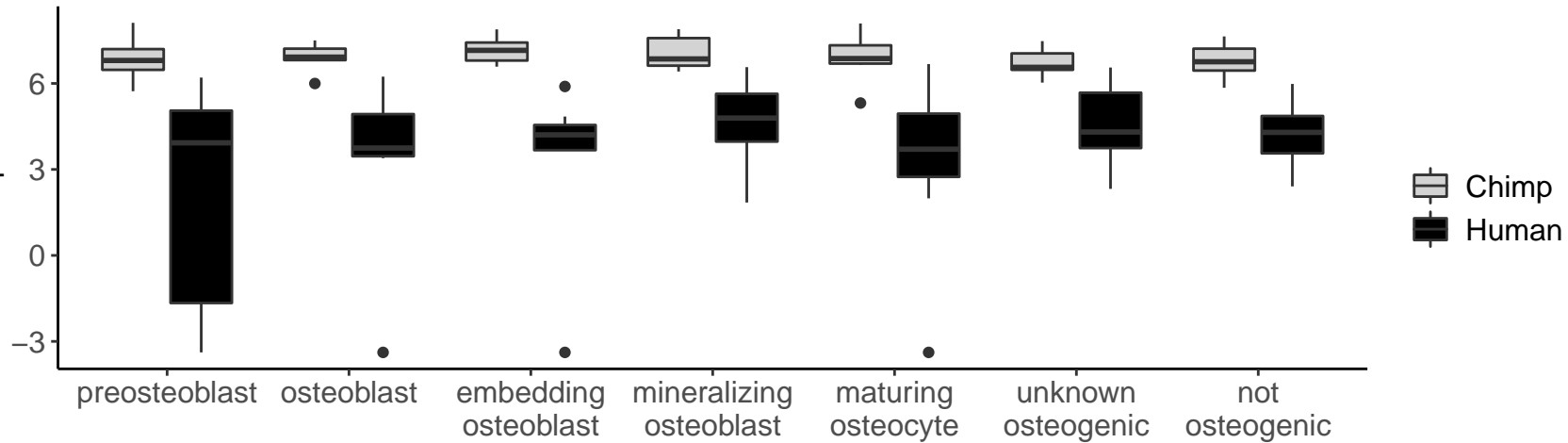
PIGL

Genes Expression

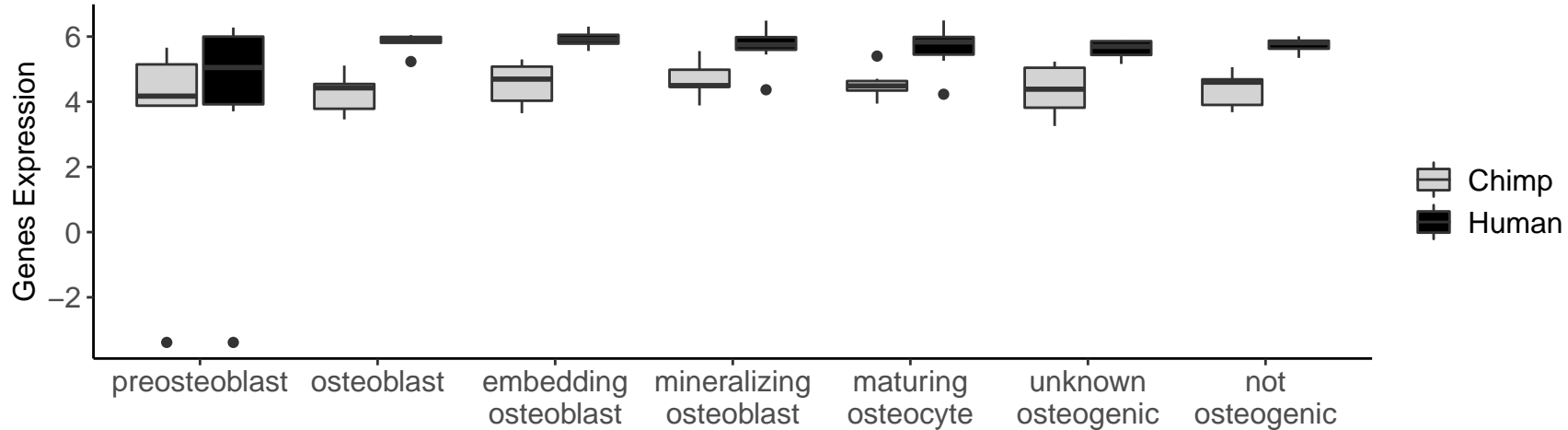


PKDCC

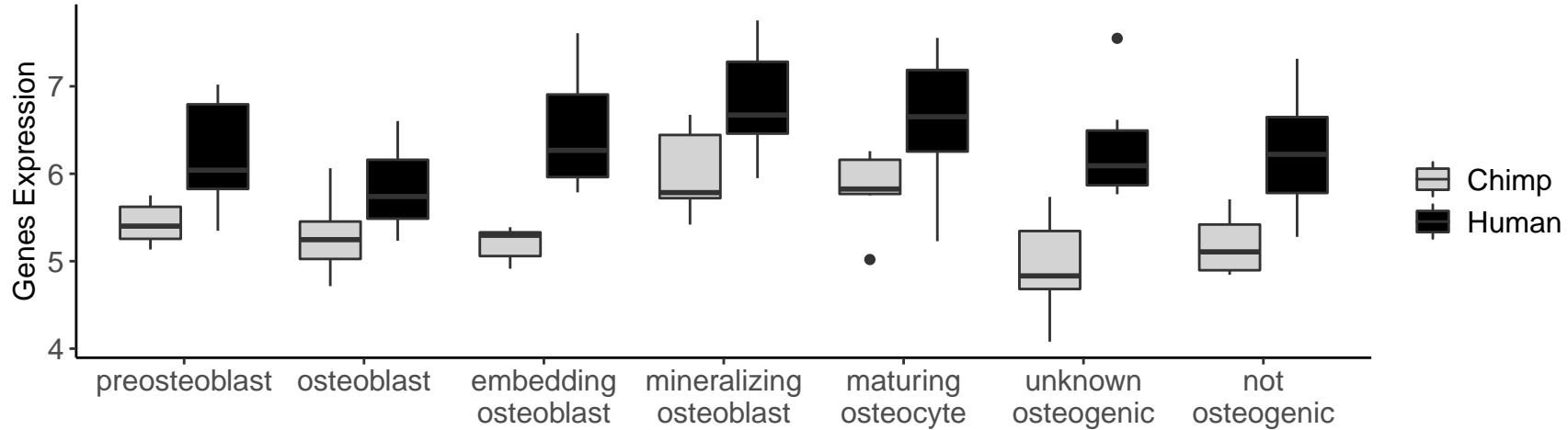
Genes Expression



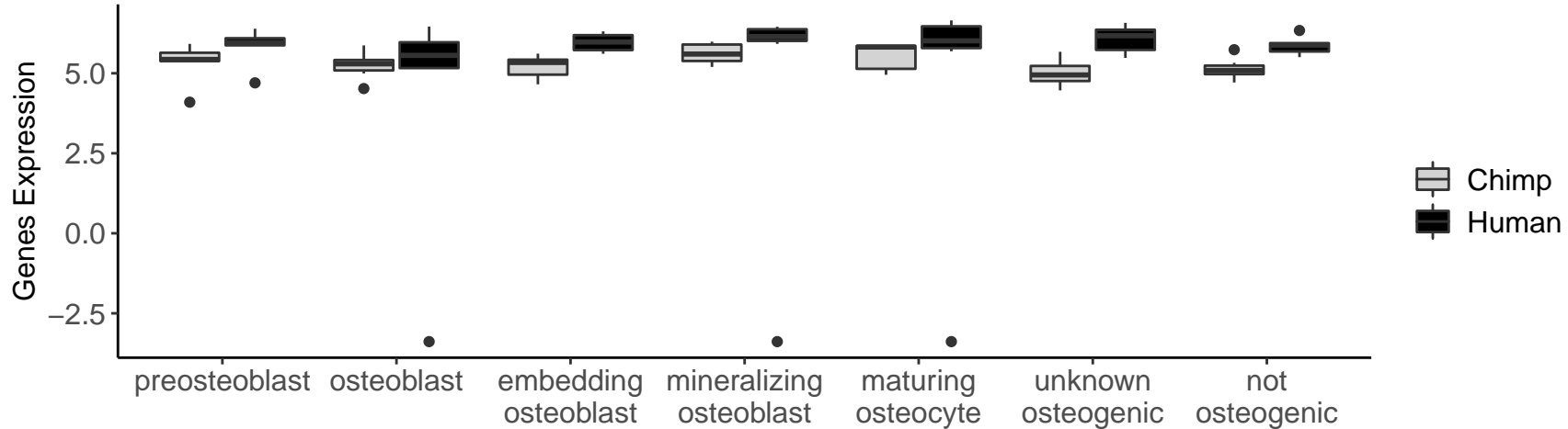
PLK3



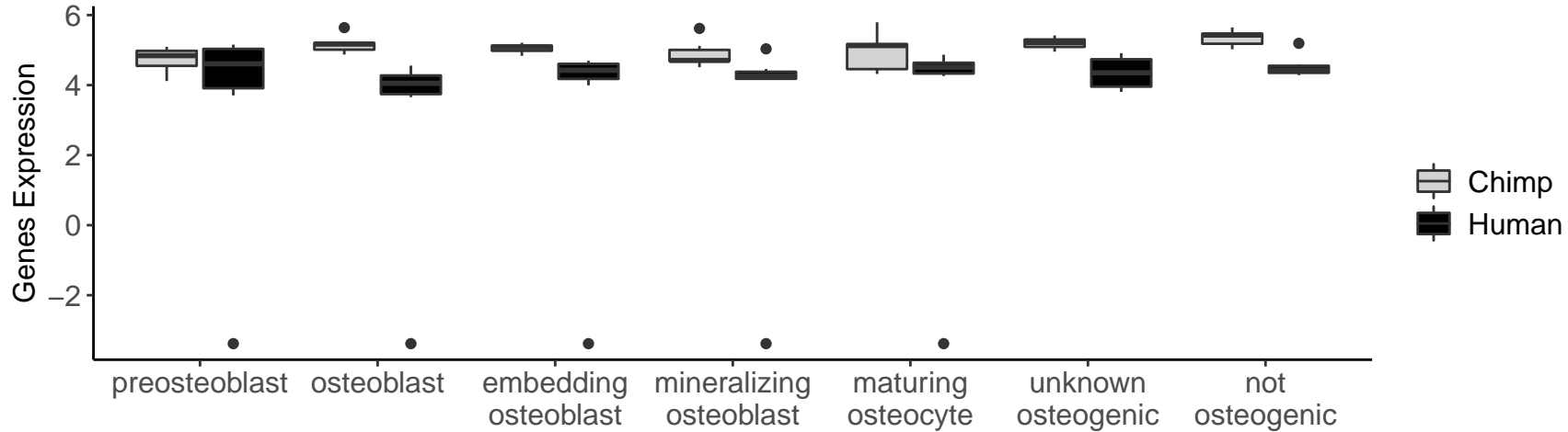
PLXNA1



POLR2A

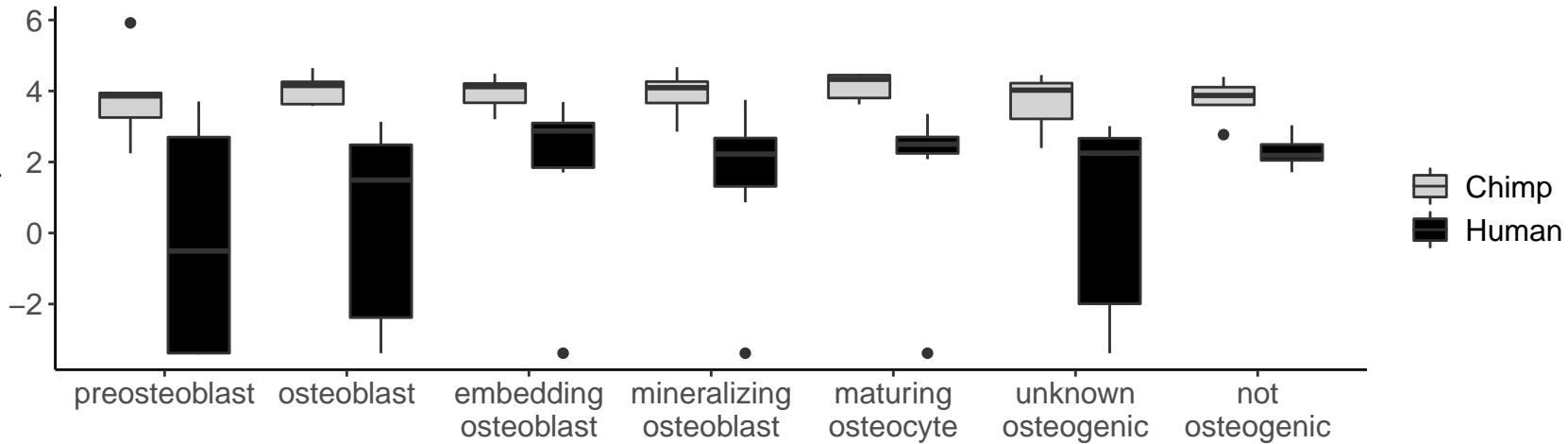


POLR2D



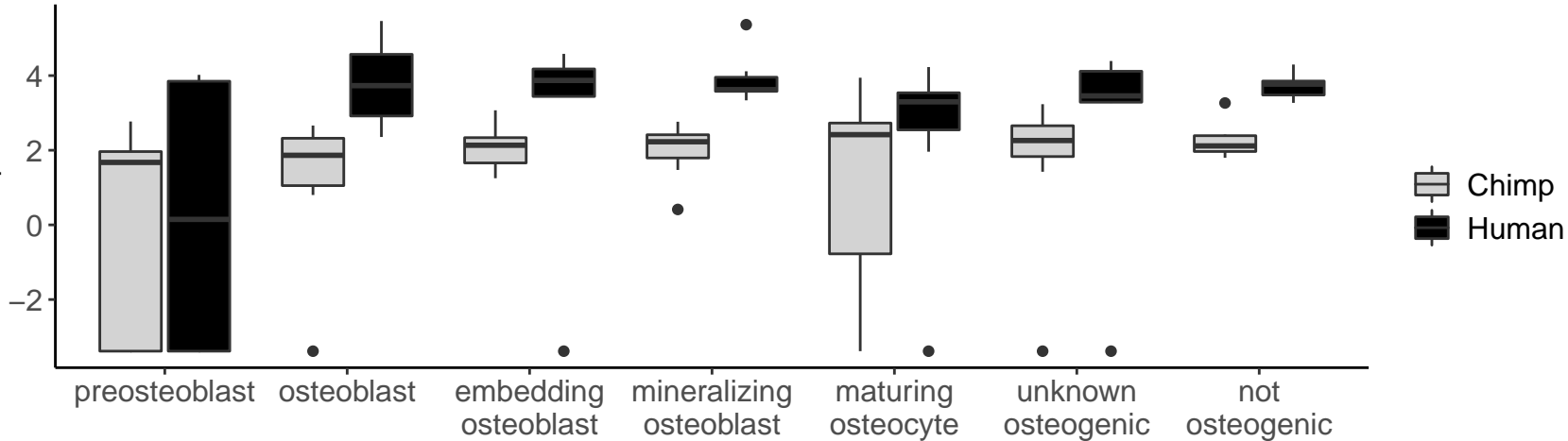
PPT2

Genes Expression



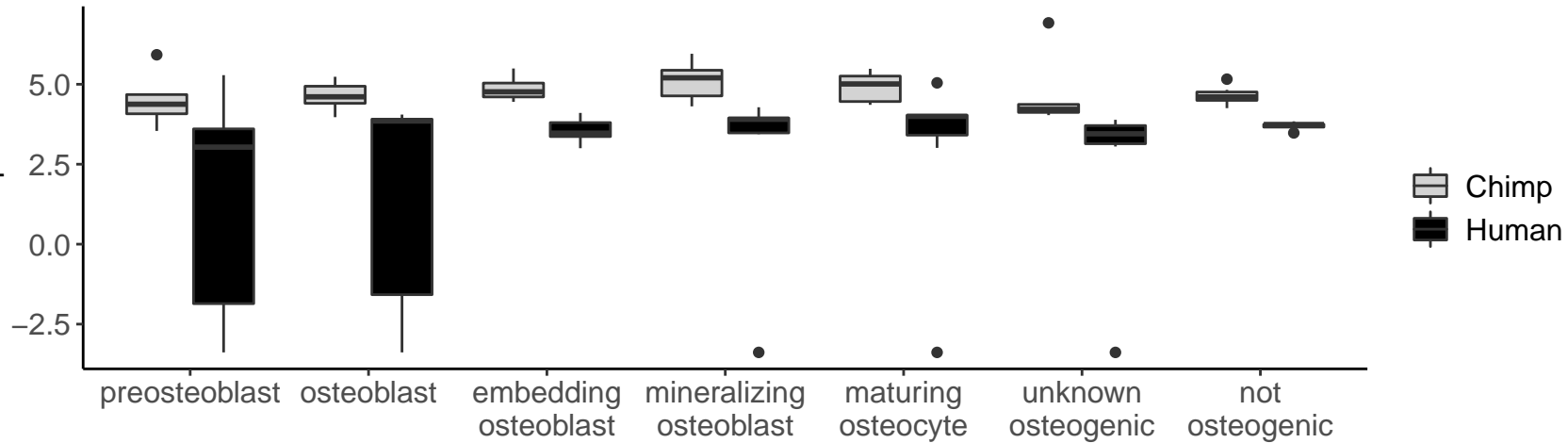
PRIM2

Genes Expression



PRPF39

Genes Expression



PSAT1

Genes Expression

10

5

0

preosteoblast

osteoblast

embedding
osteoblast

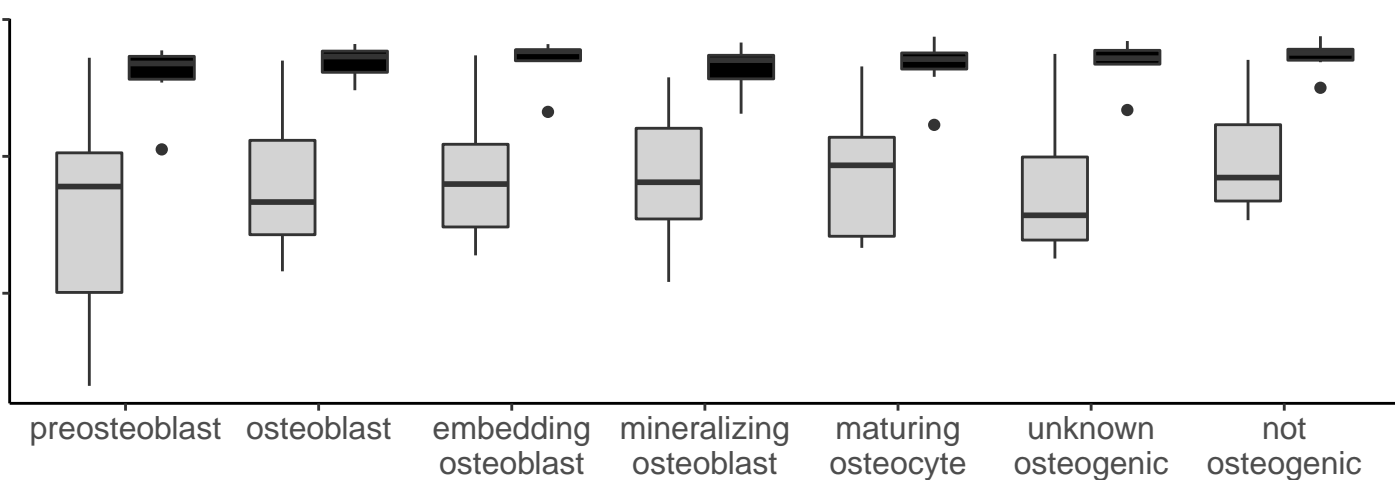
mineralizing
osteoblast

maturing
osteocyte

unknown
osteogenic

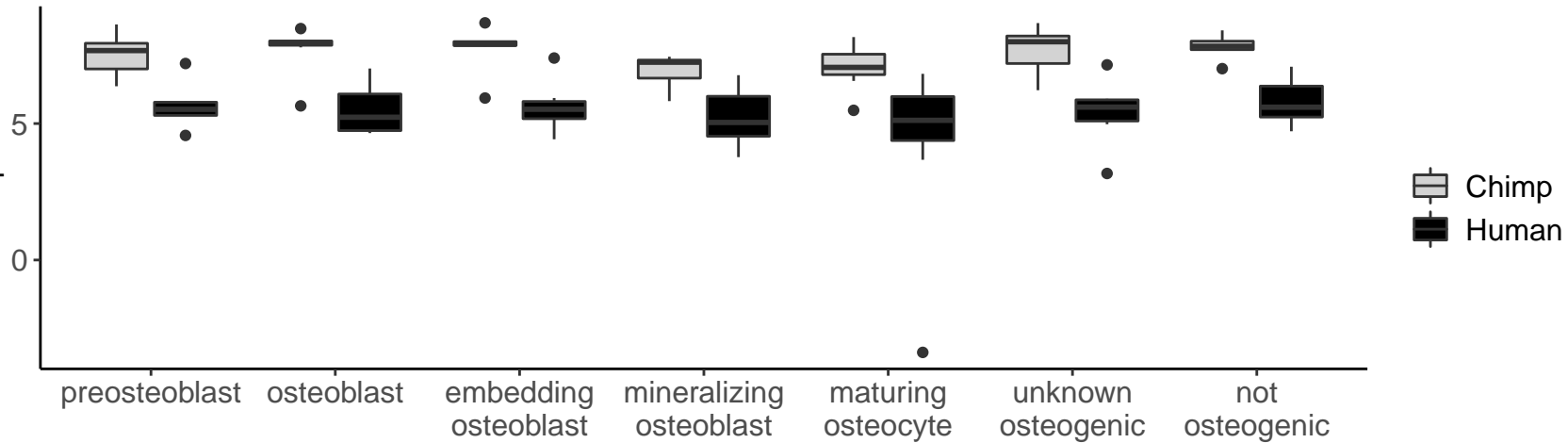
not
osteogenic

Chimp
Human



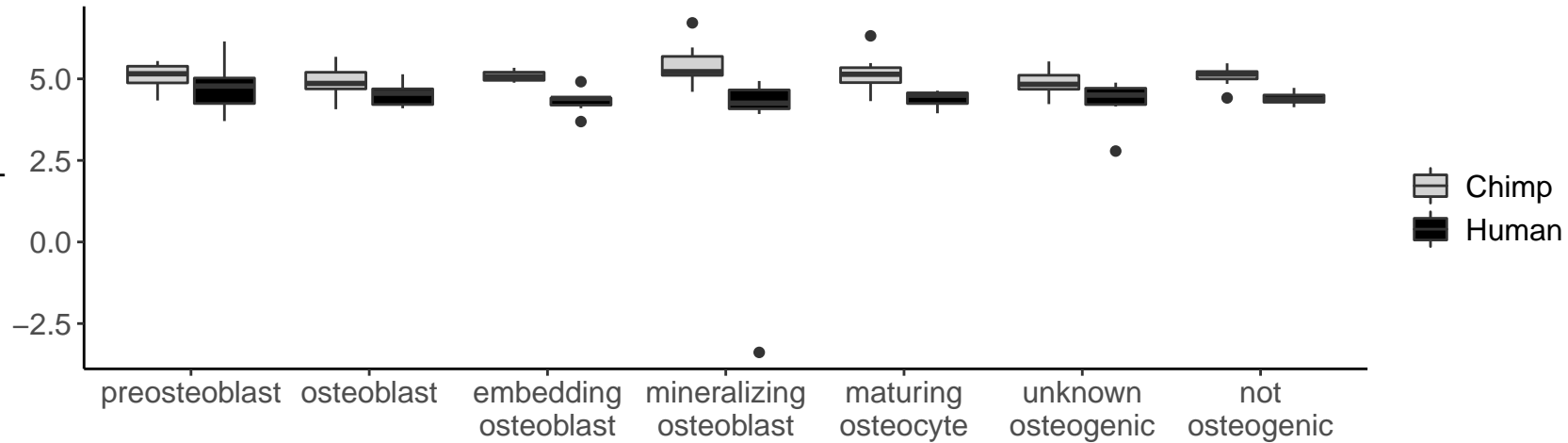
PSMB8

Genes Expression

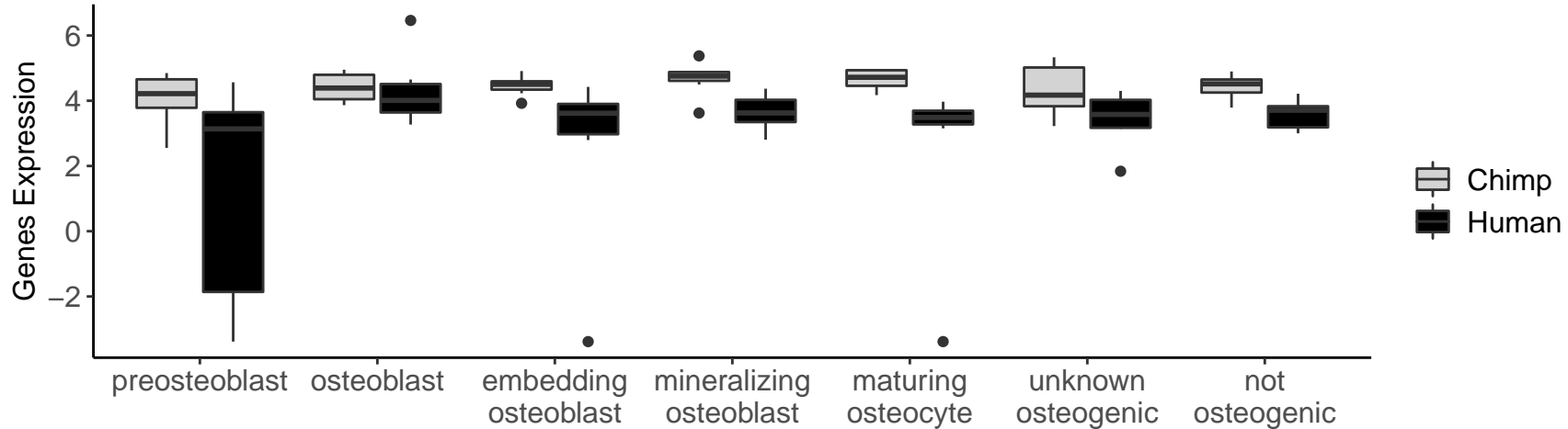


RAB11FIP2

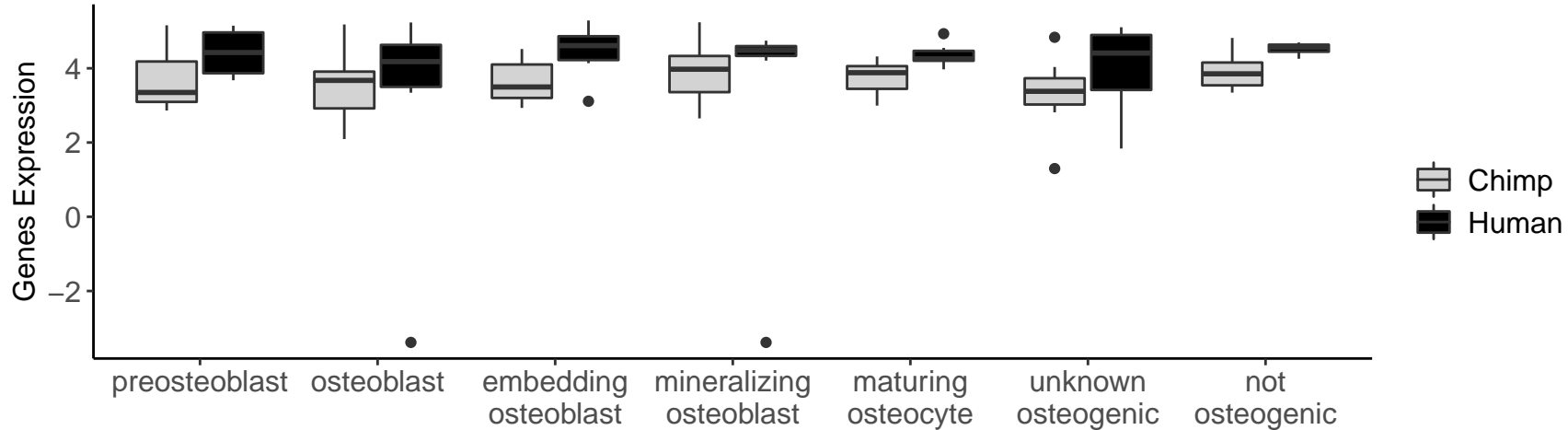
Genes Expression



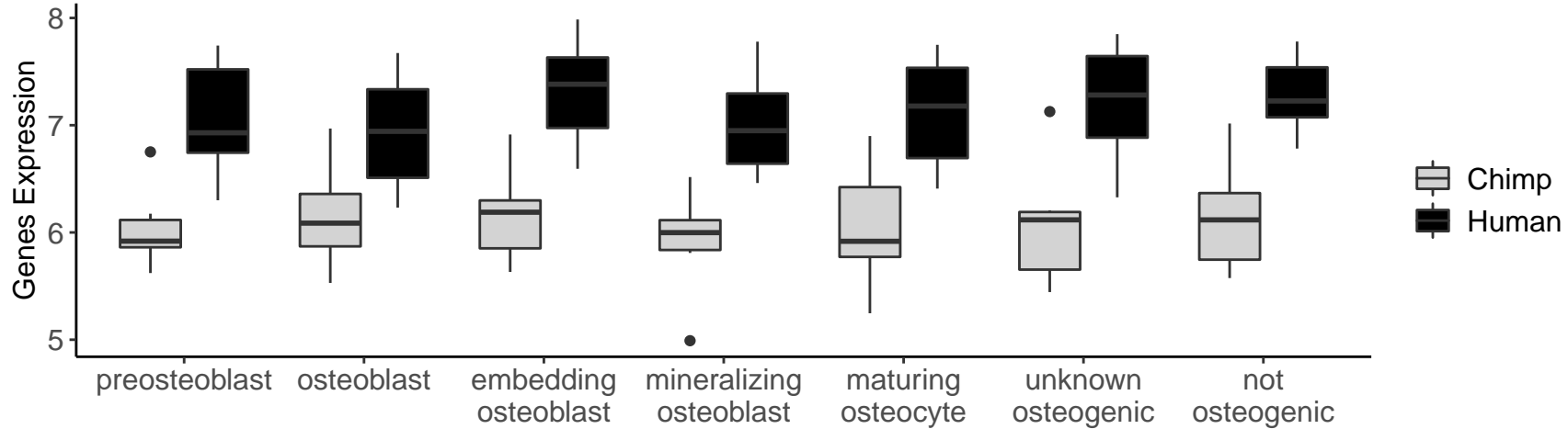
RAB11FIP3



RABEPK



RBCK1



RESF1

Genes Expression

8

4

0

Chimp
Human

preosteoblast

osteoblast

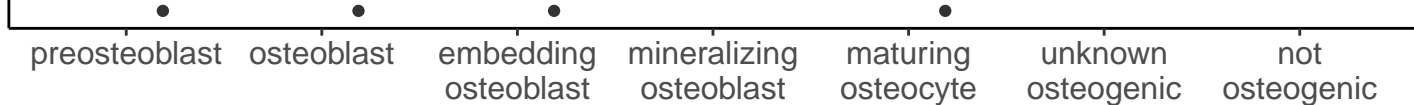
embedding
osteoblast

mineralizing
osteoblast

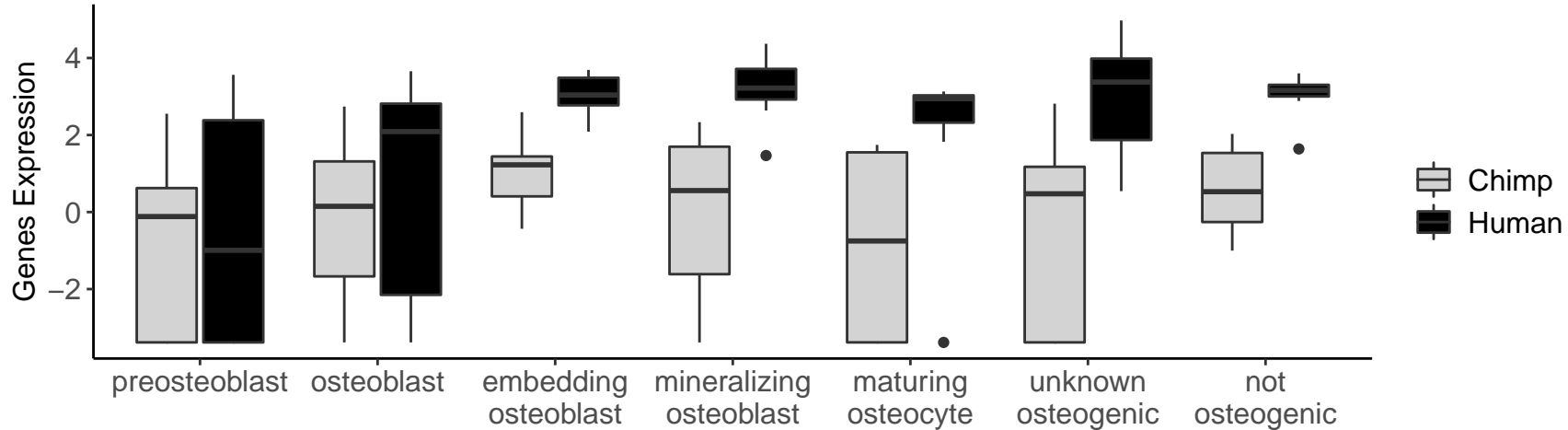
maturing
osteocyte

unknown
osteogenic

not
osteogenic



SAMD14



SAT2

Genes Expression

10
9
8
7
6

preosteoblast

osteoblast

embedding
osteoblast

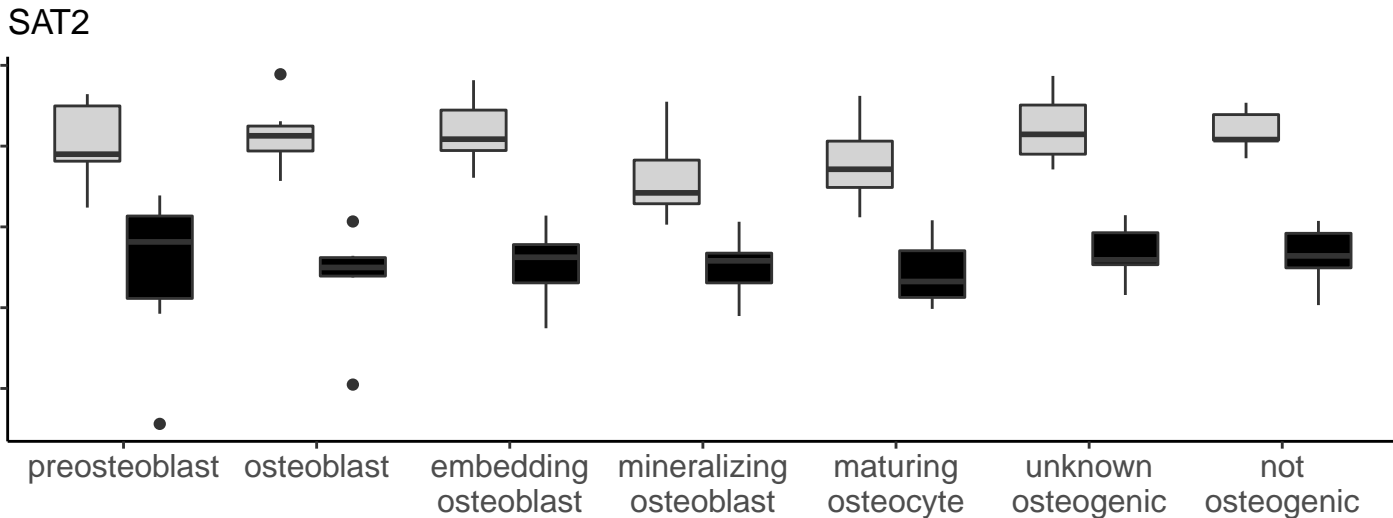
mineralizing
osteoblast

maturing
osteocyte

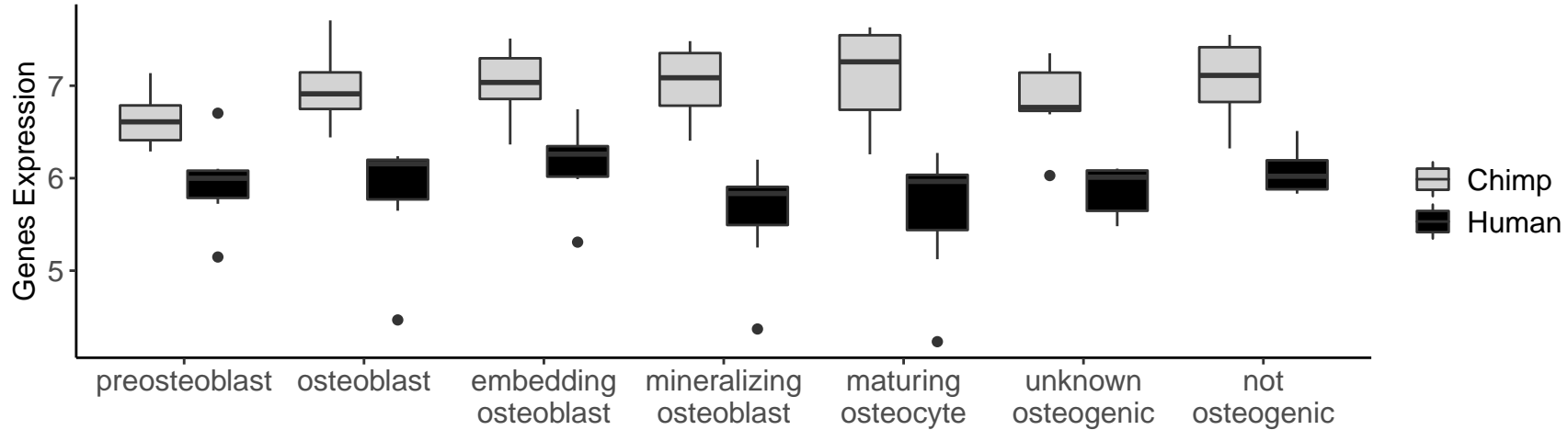
unknown
osteogenic

not
osteogenic

Chimp
Human

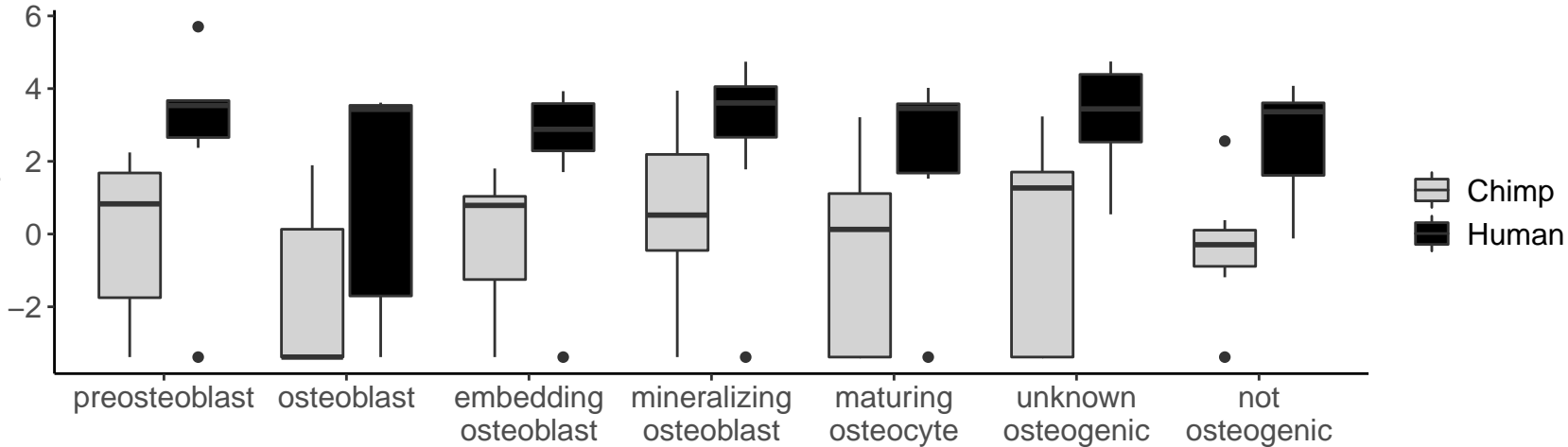


SCAMP2

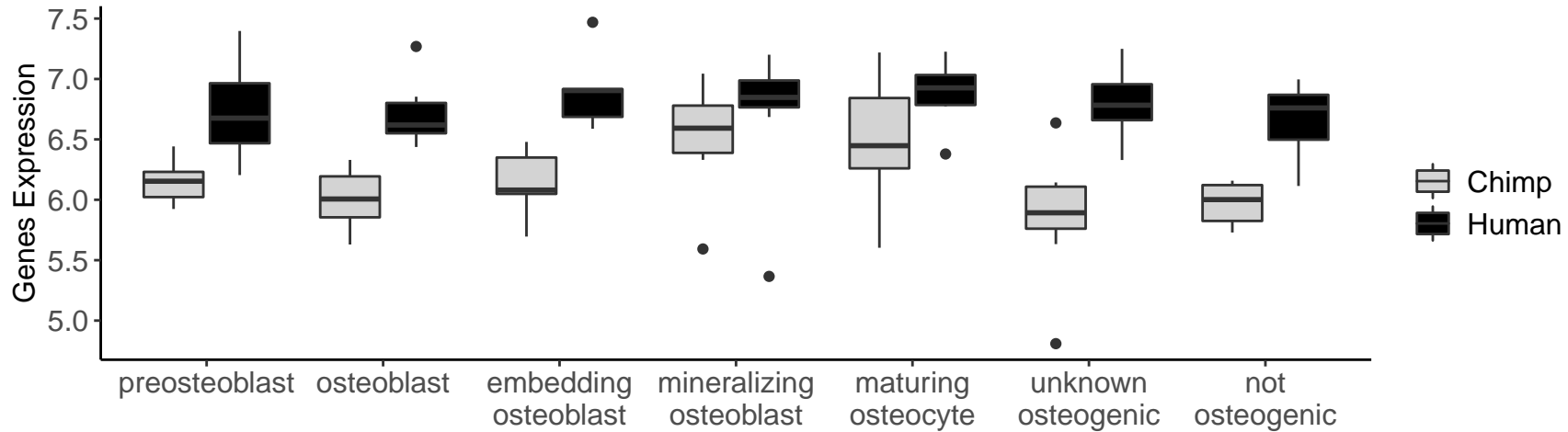


SCN2A

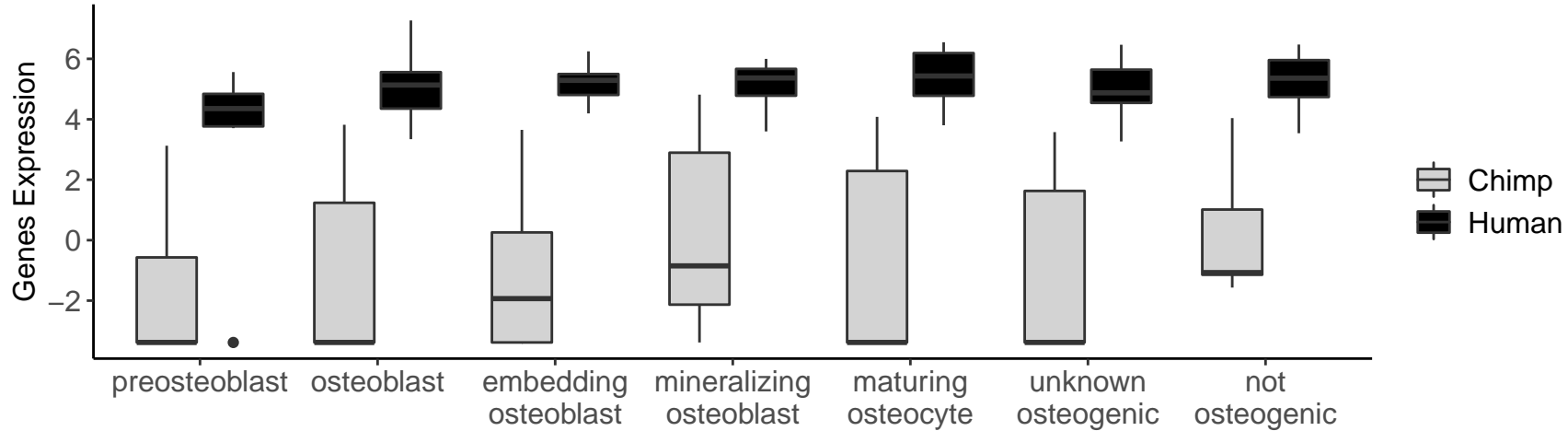
Genes Expression



SEL1L



SEL1L3



SEMA5A

Genes Expression

10

5

0

preosteoblast

osteoblast

embedding
osteoblast

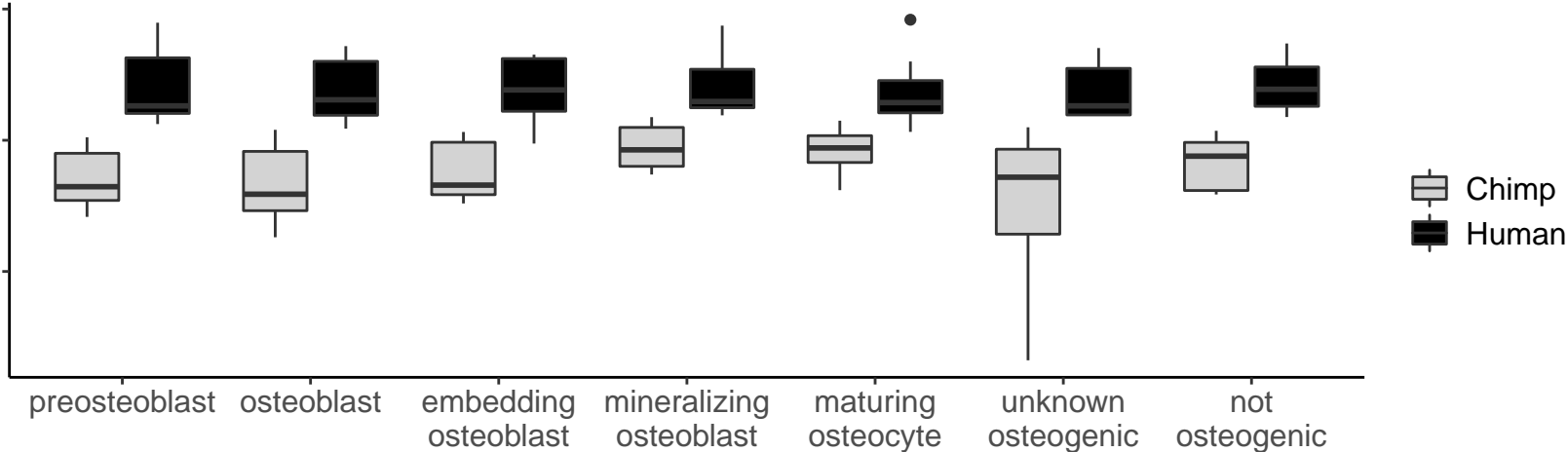
mineralizing
osteoblast

maturing
osteocyte

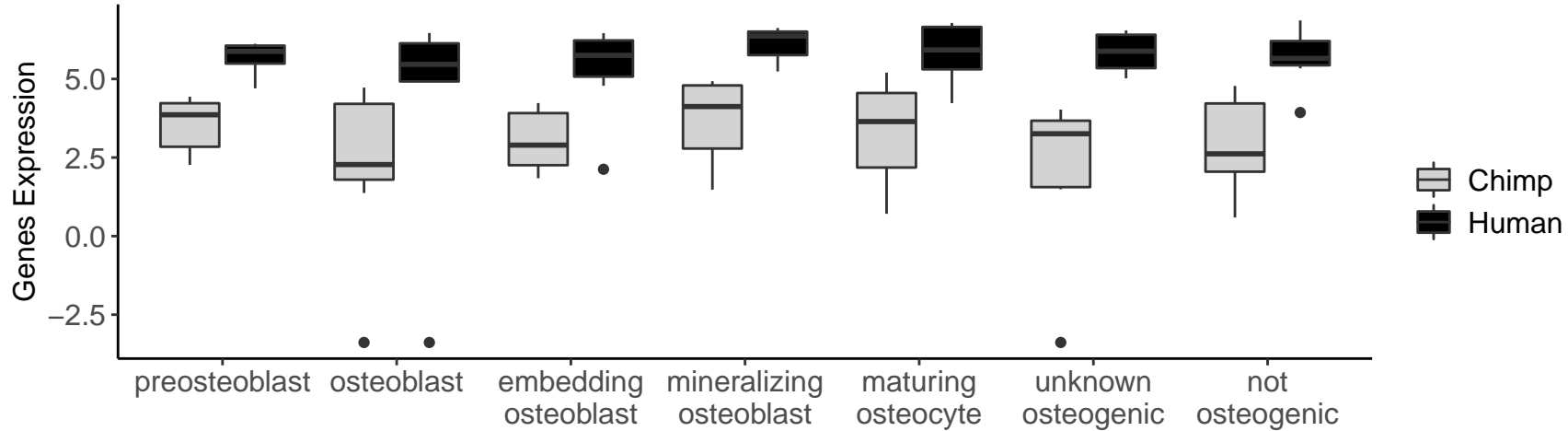
unknown
osteogenic

not
osteogenic

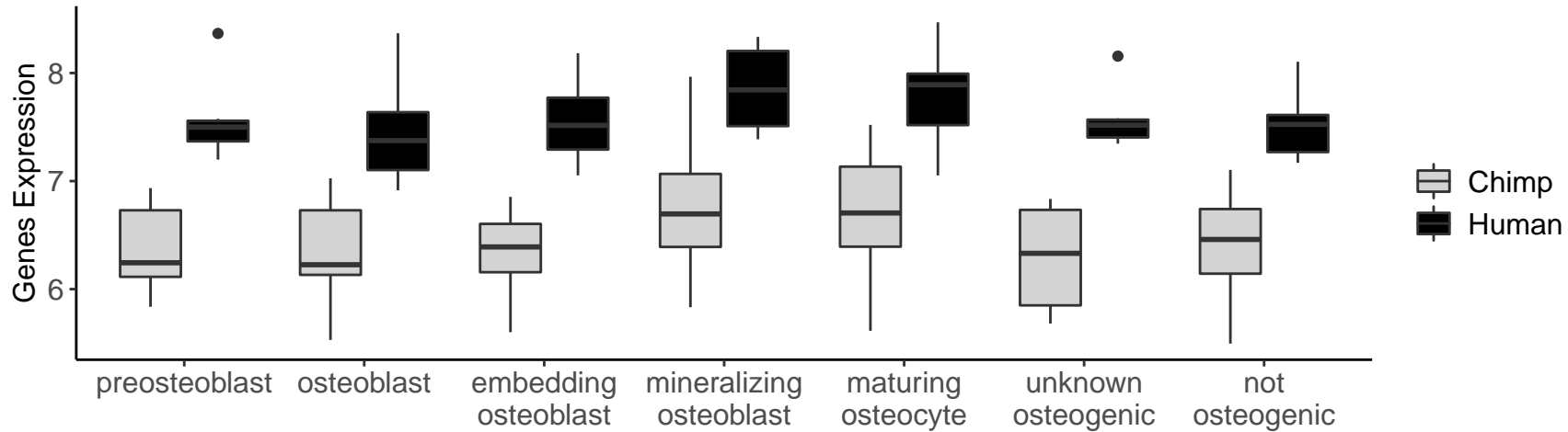
Chimp
Human



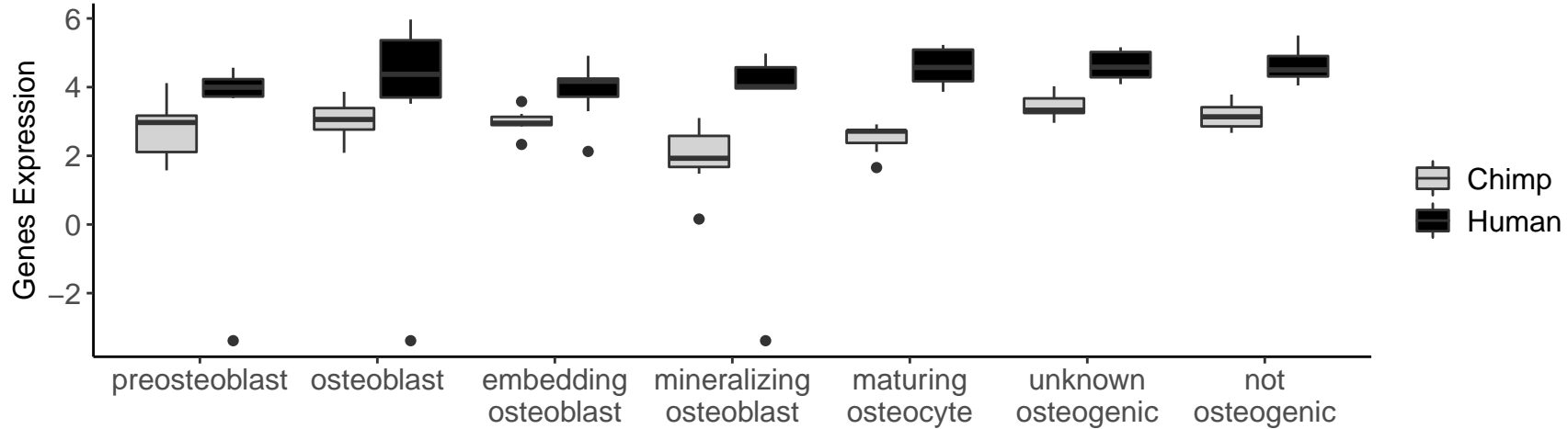
SH3PXD2A



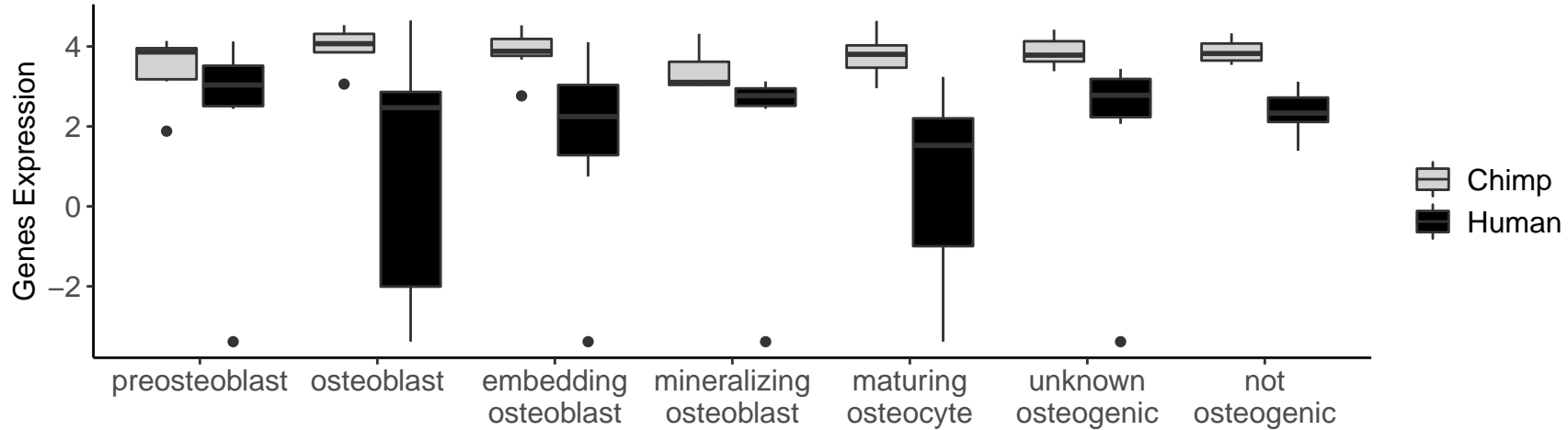
SHC1



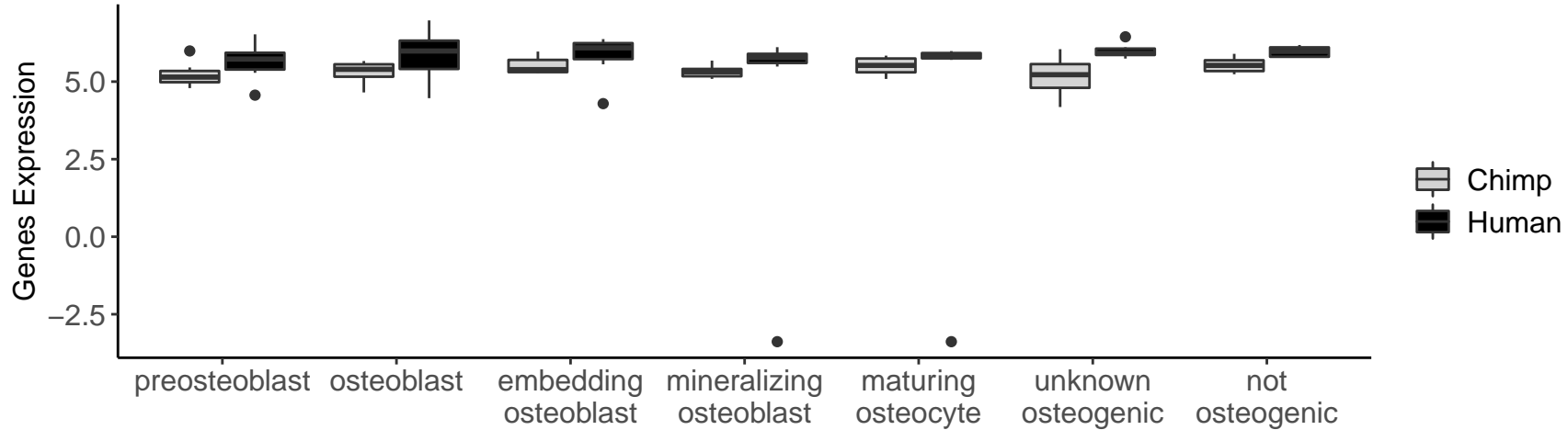
SLC25A51



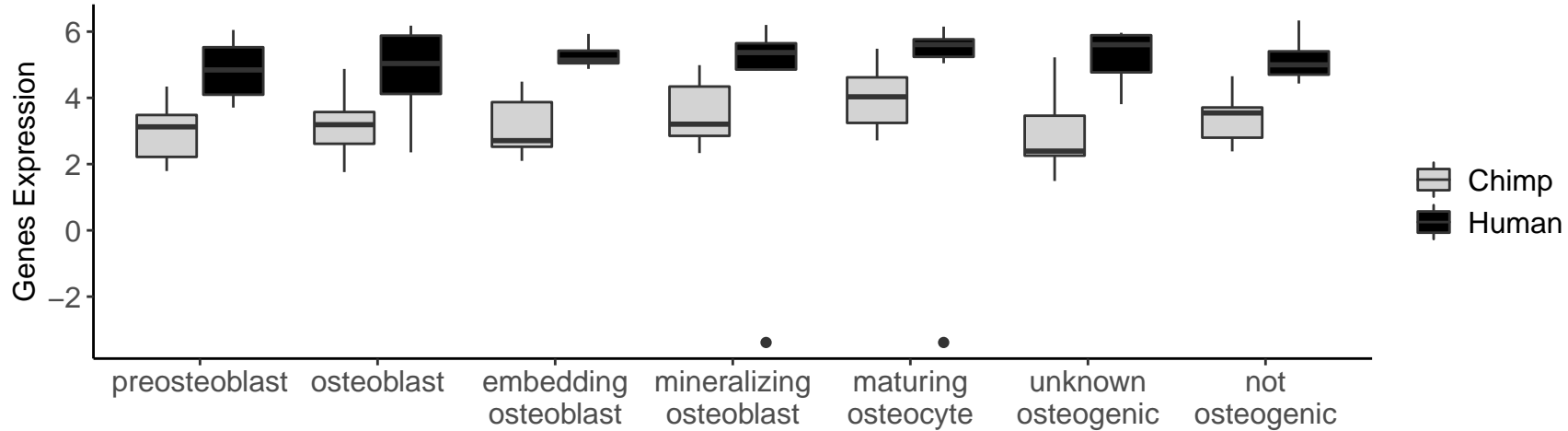
SLC37A4



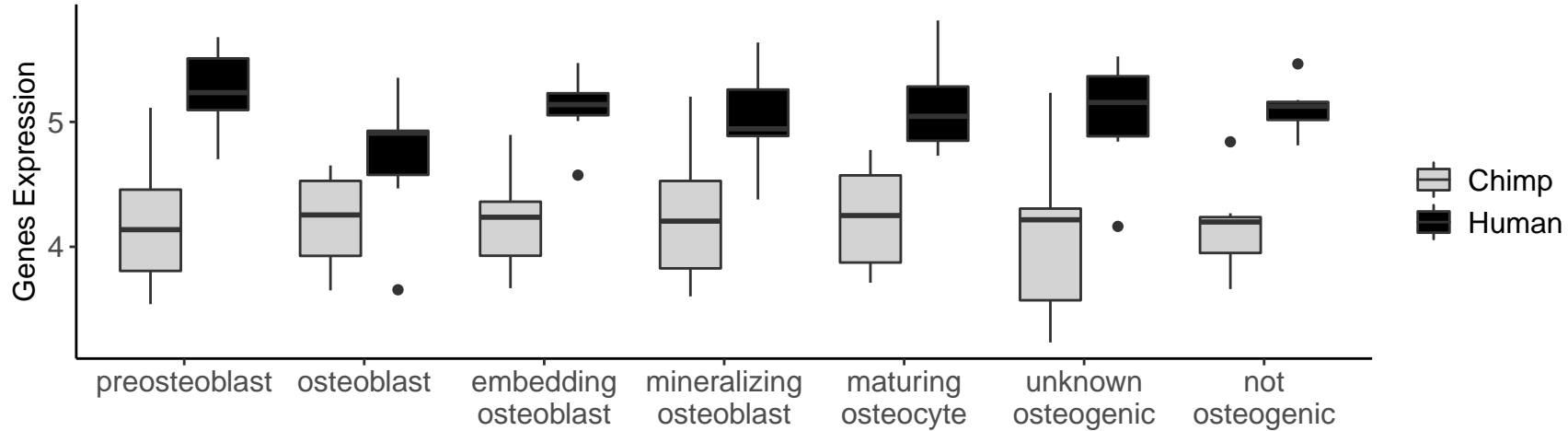
SLC39A3



SLC4A7

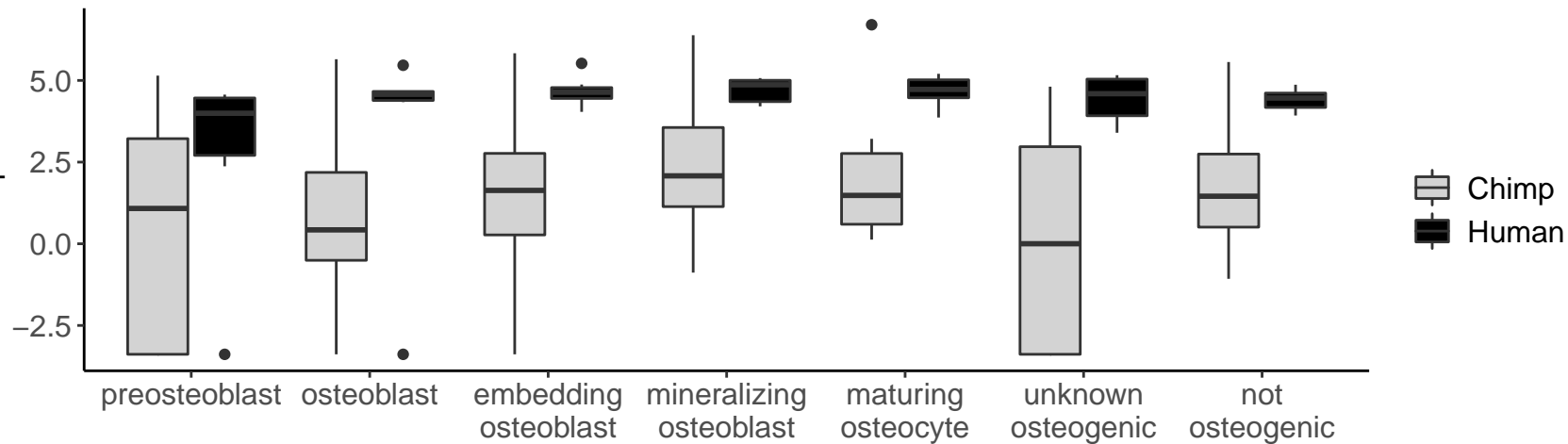


SLC66A2



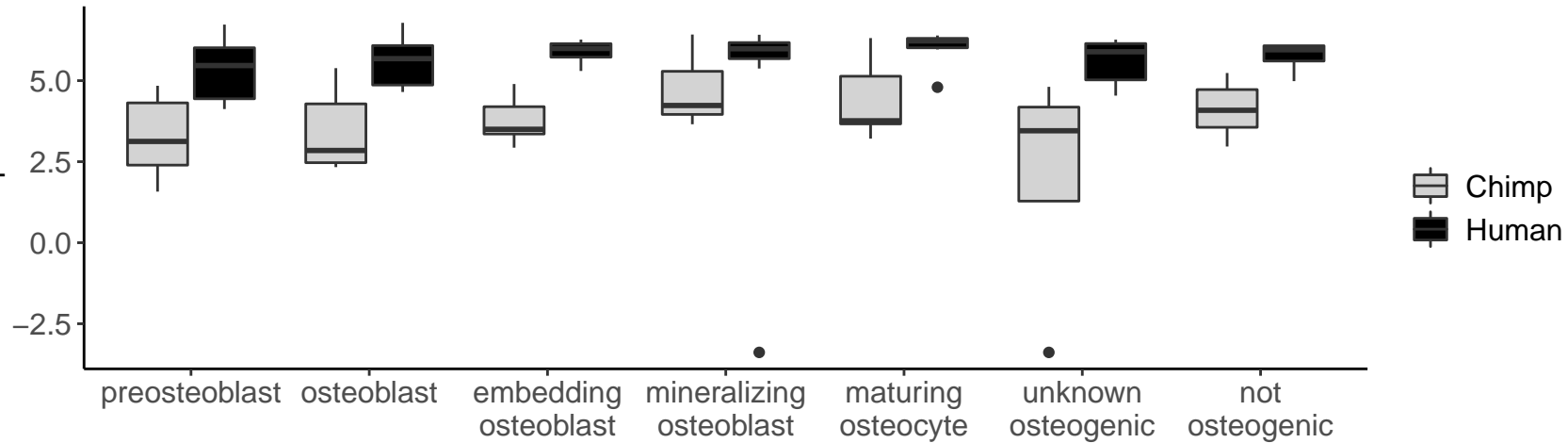
SLC6A9

Genes Expression

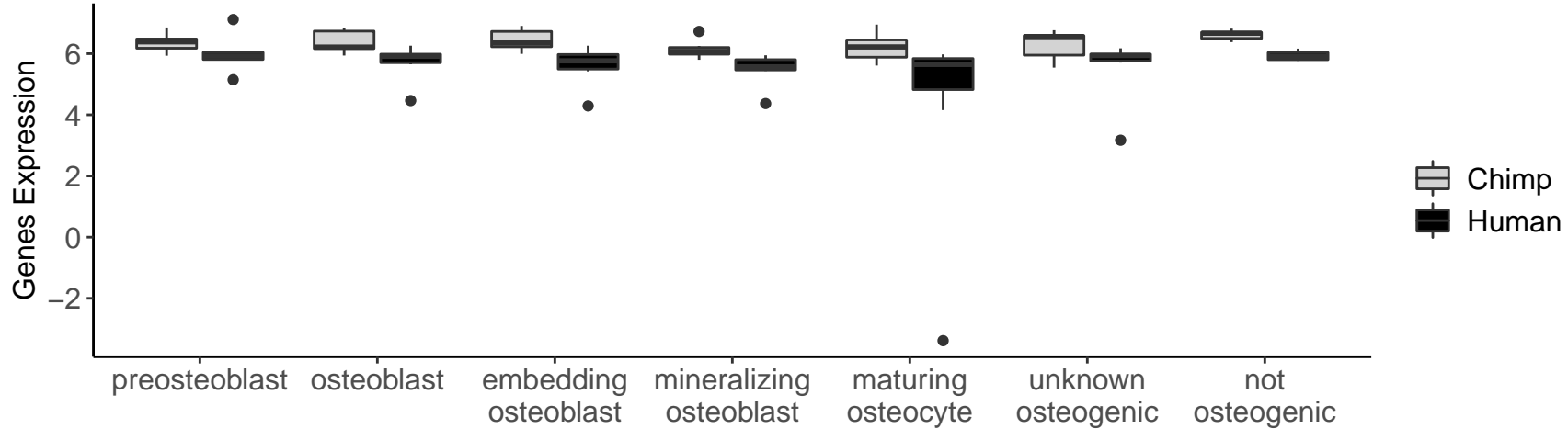


SLC7A1

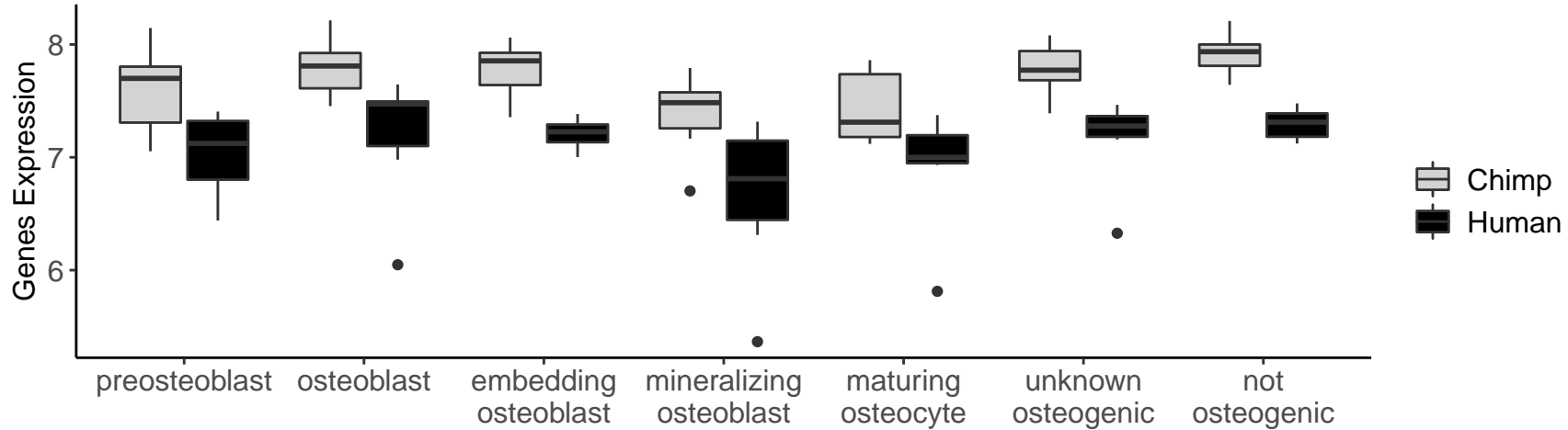
Genes Expression



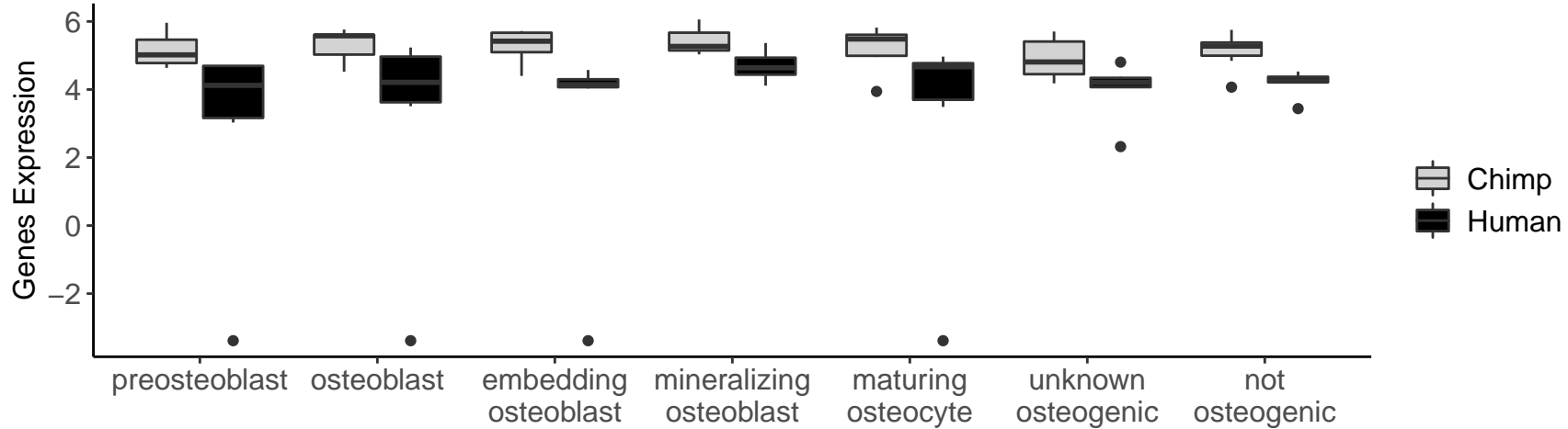
SMIM12



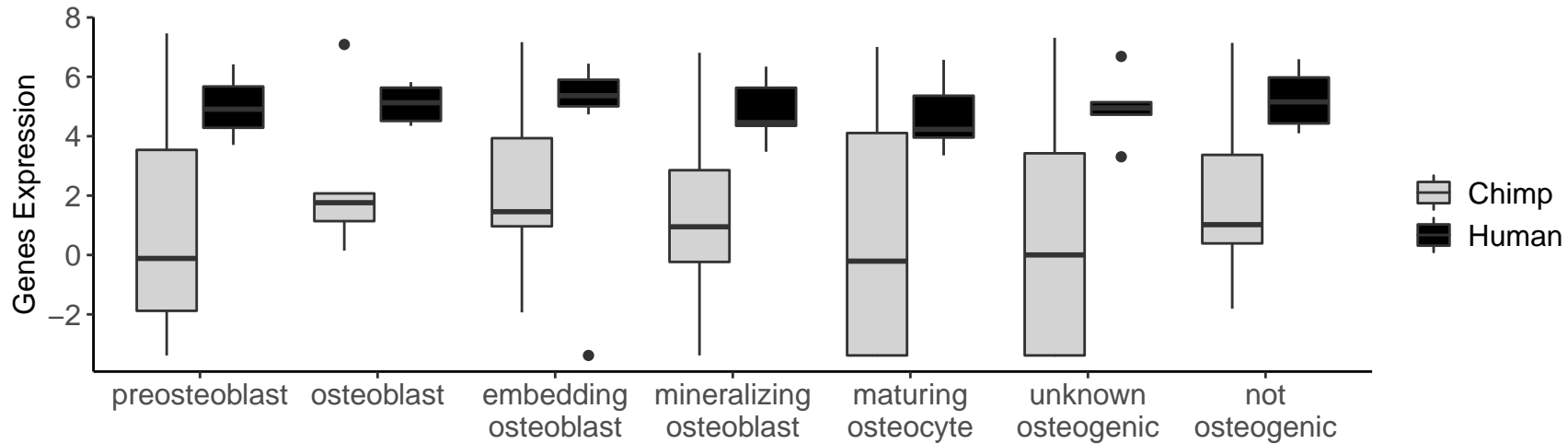
SMIM7



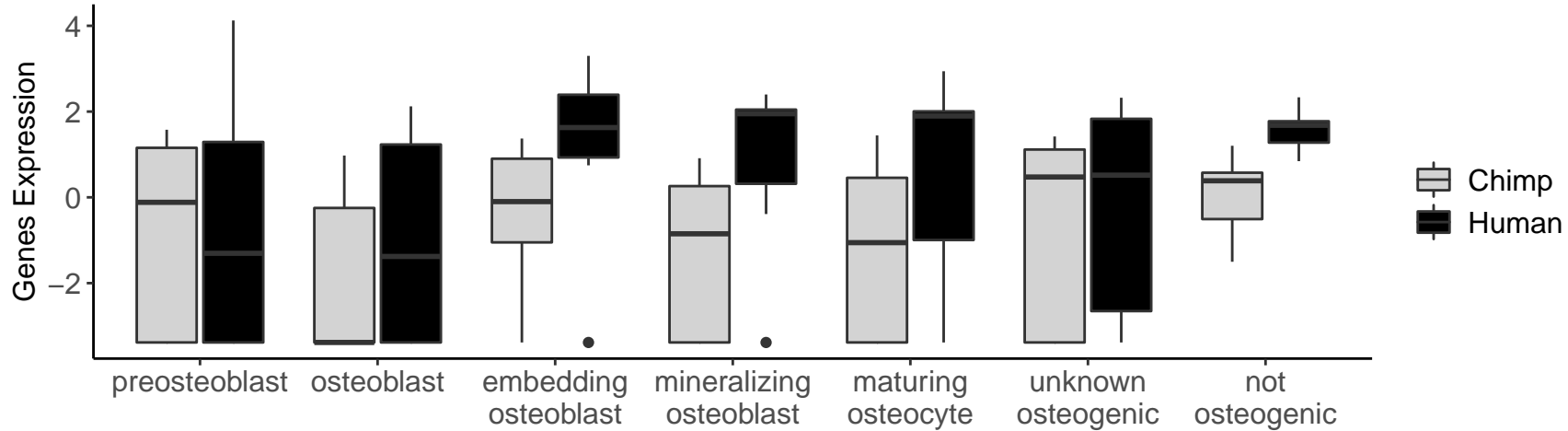
SOS2



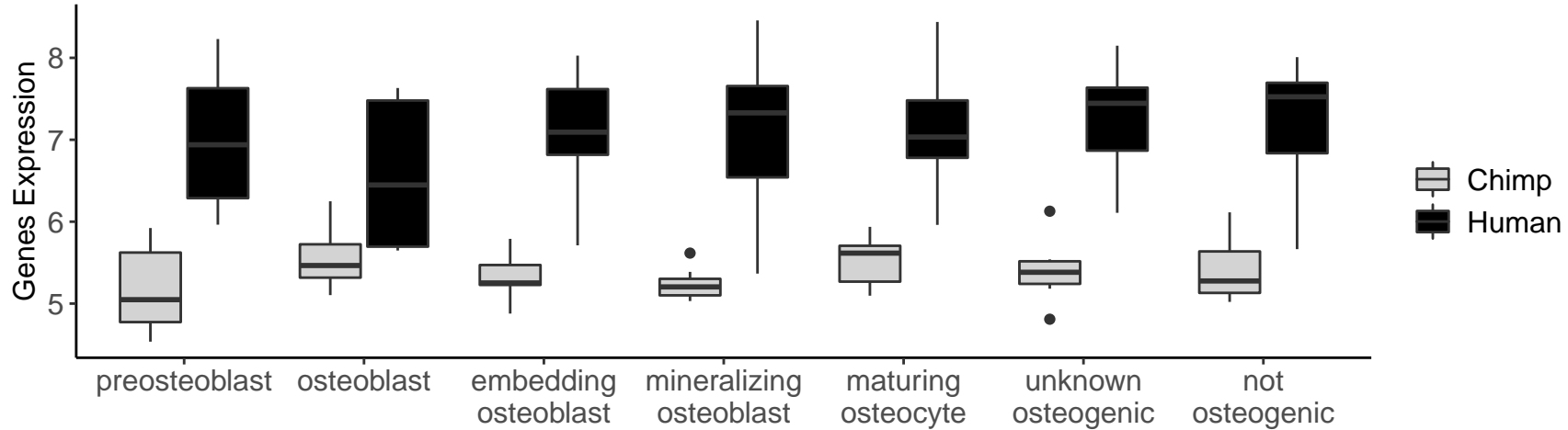
SPHK1



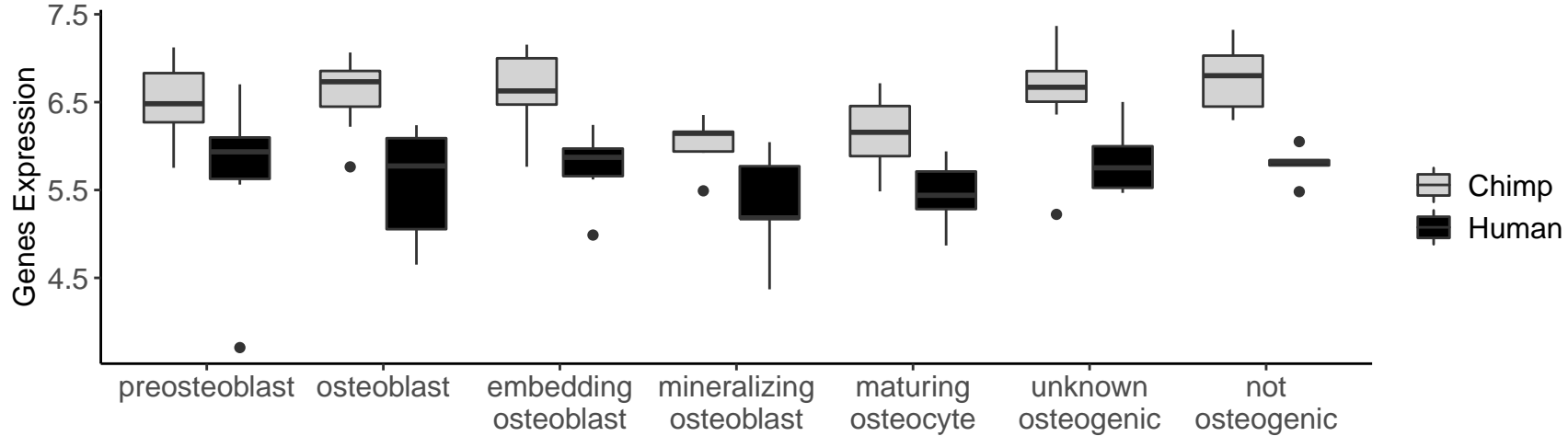
SSC4D



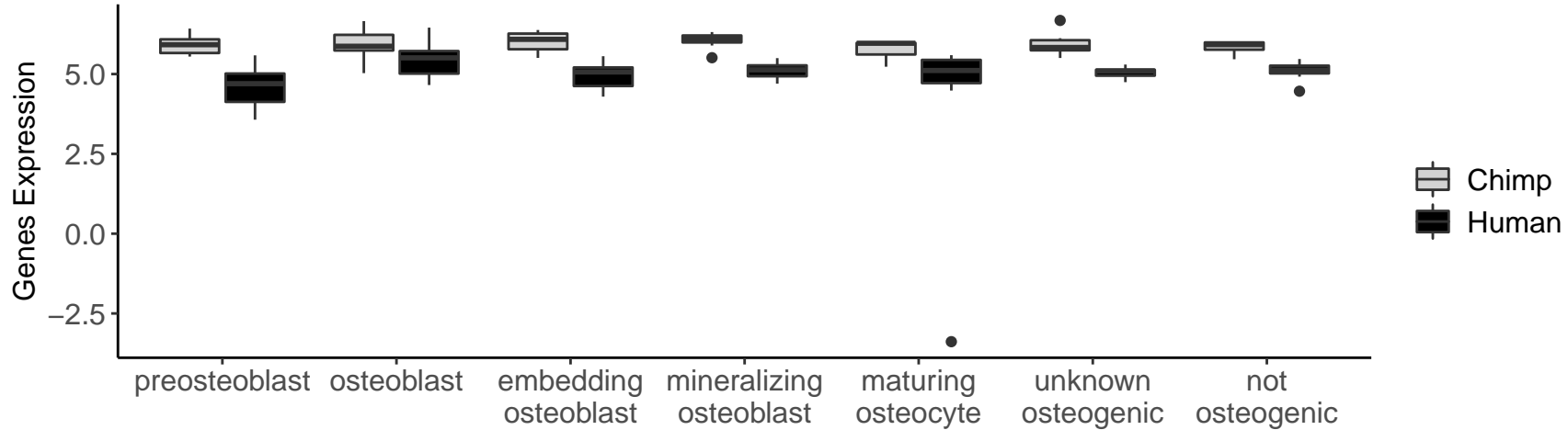
STAT1



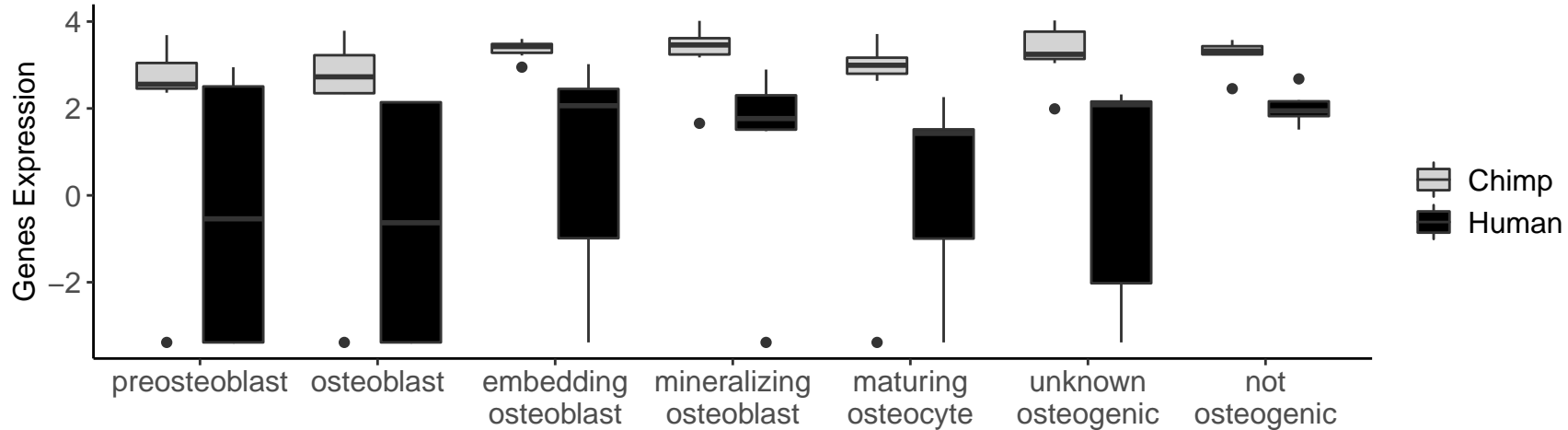
STK16



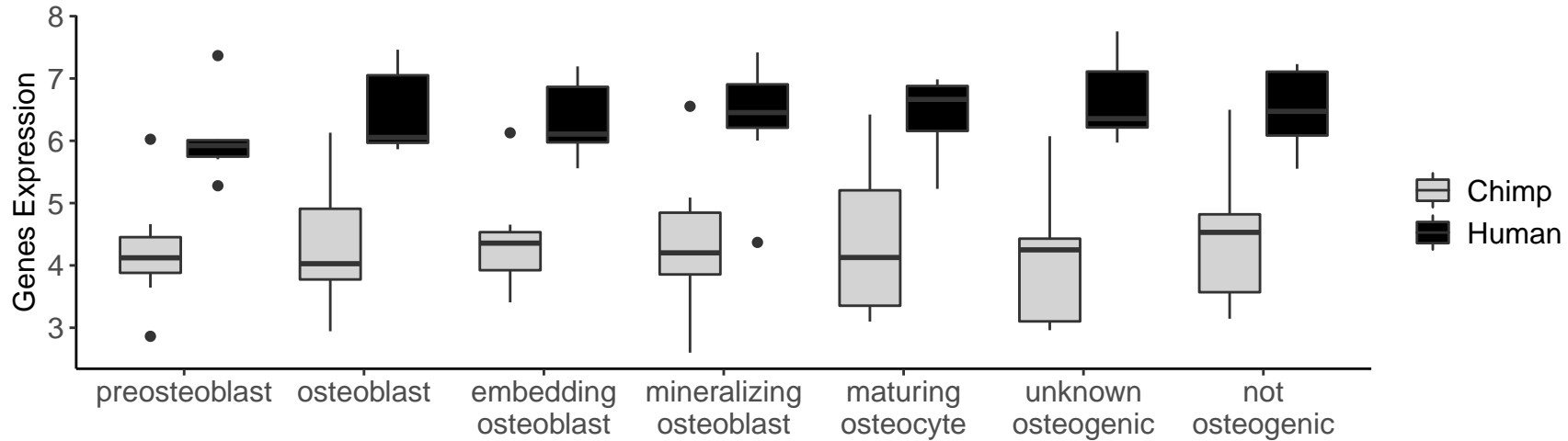
STK4



SWSAP1



SYNC



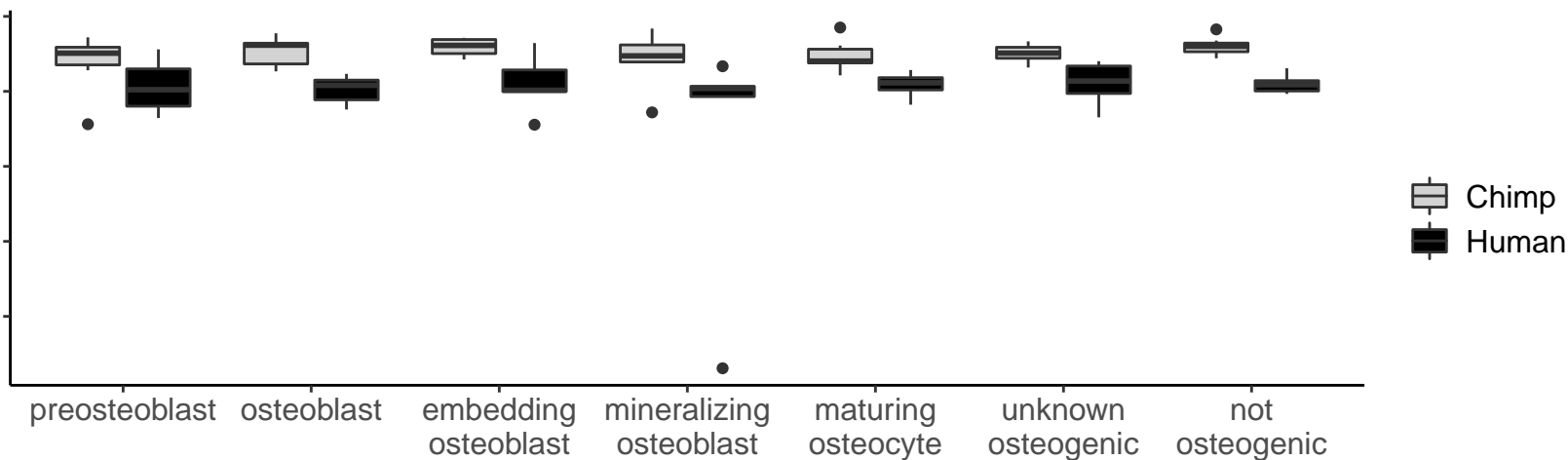
TBC1D22A

Genes Expression

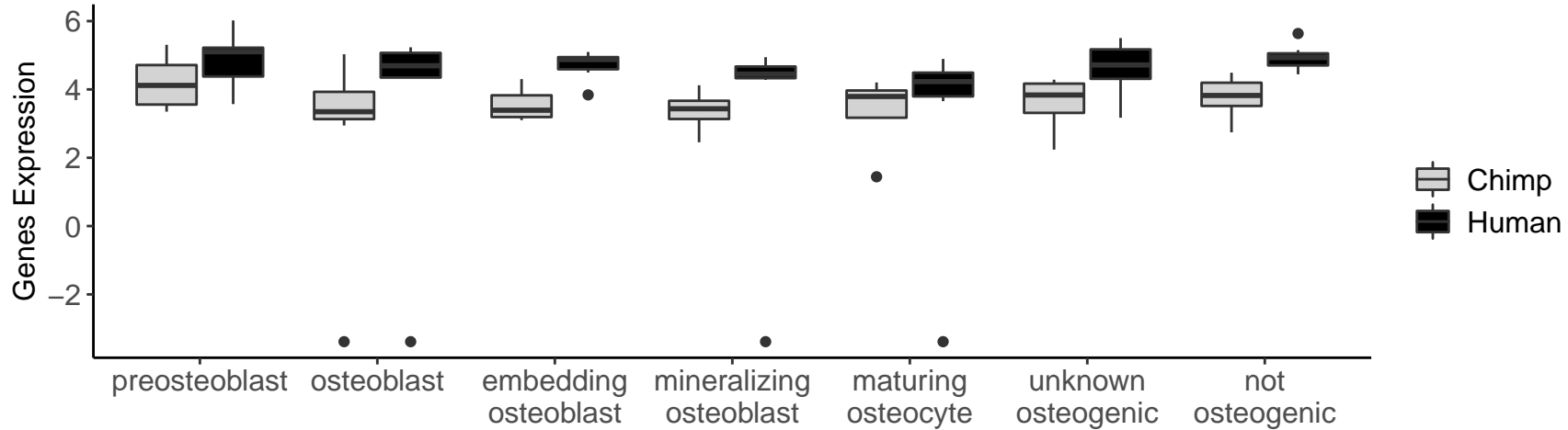
6
4
2
0
-2

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

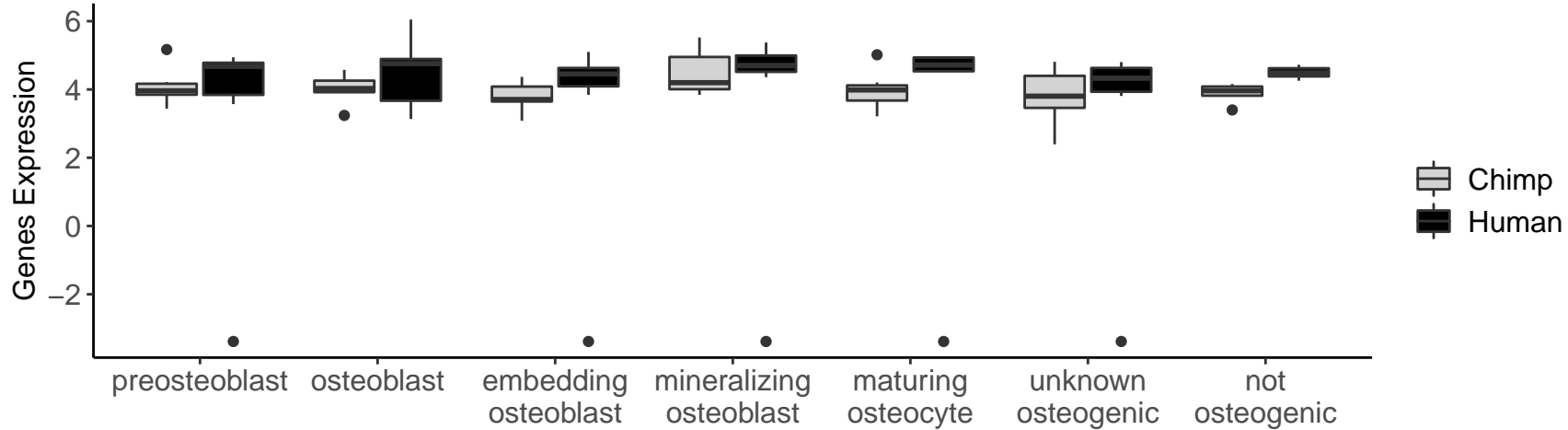
Chimp
Human



TBC1D7

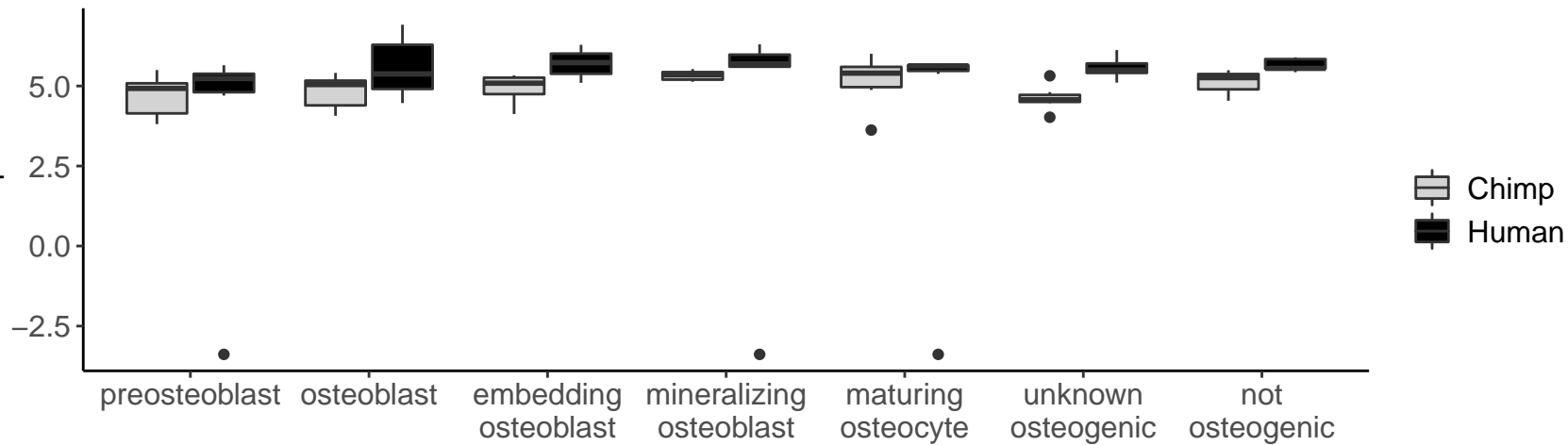


TMCC1

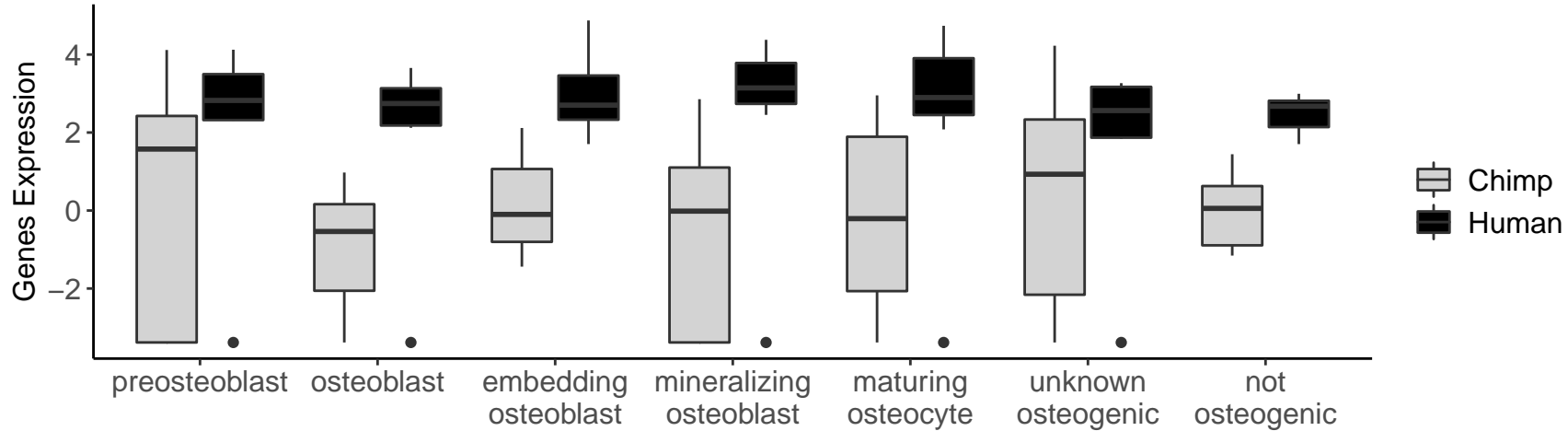


TNFAIP1

Genes Expression

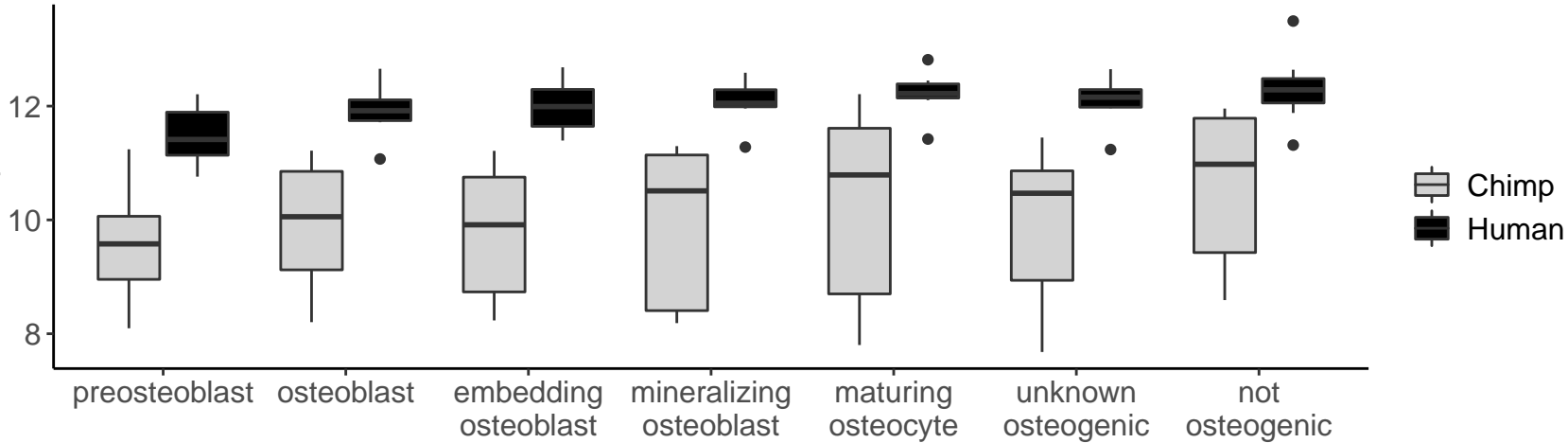


TNFRSF25

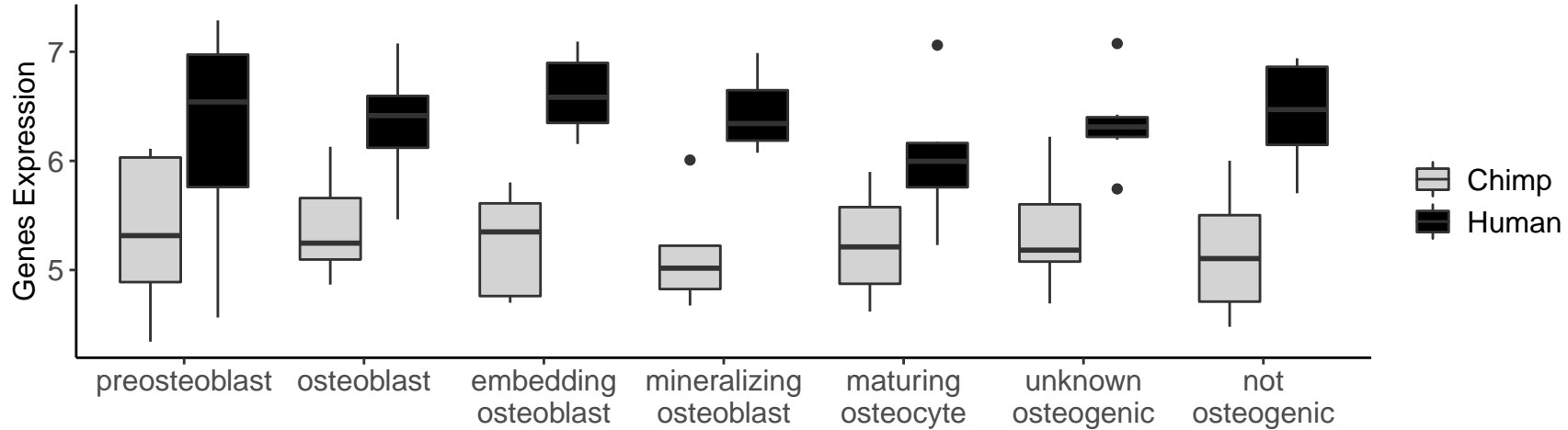


TPM2

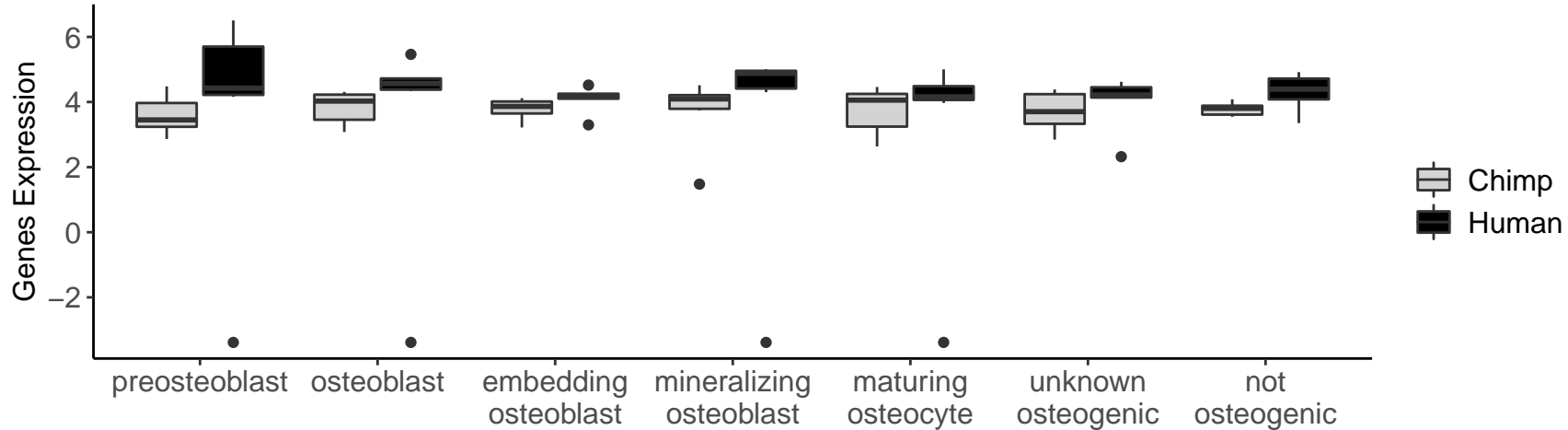
Genes Expression



TRAF4

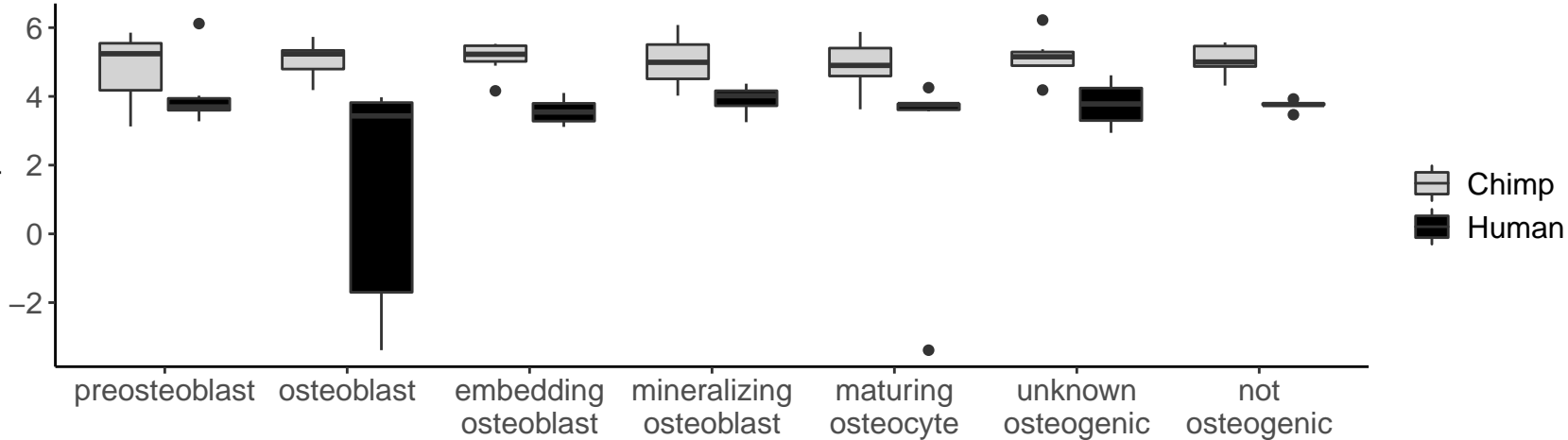


TRIM32



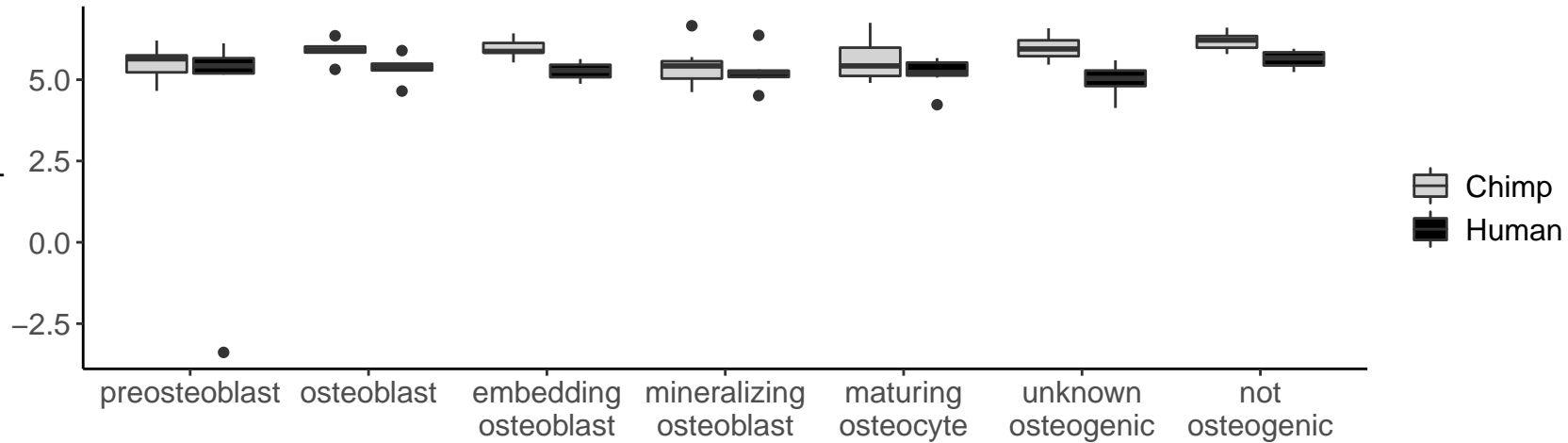
TSEN54

Genes Expression



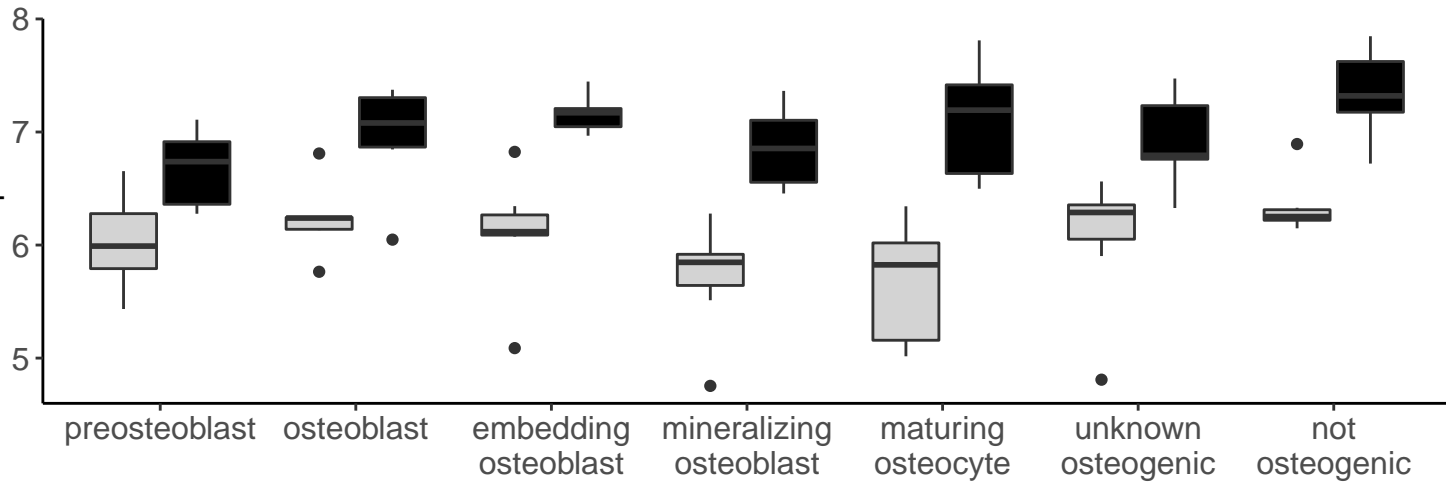
TSR2

Genes Expression



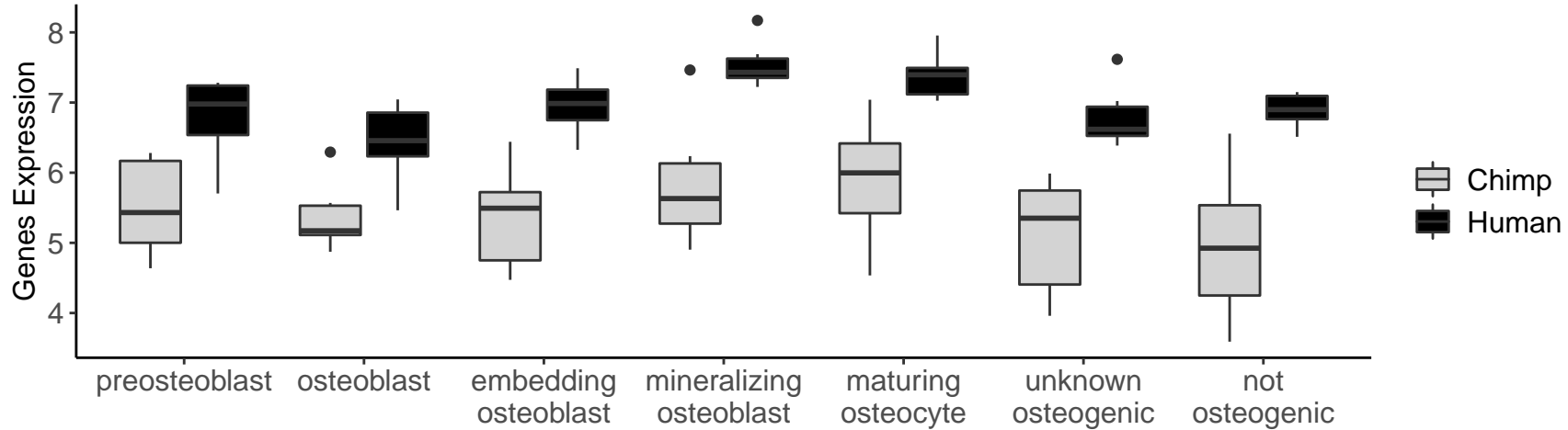
TSR3

Genes Expression



Chimp
Human

TTYH3

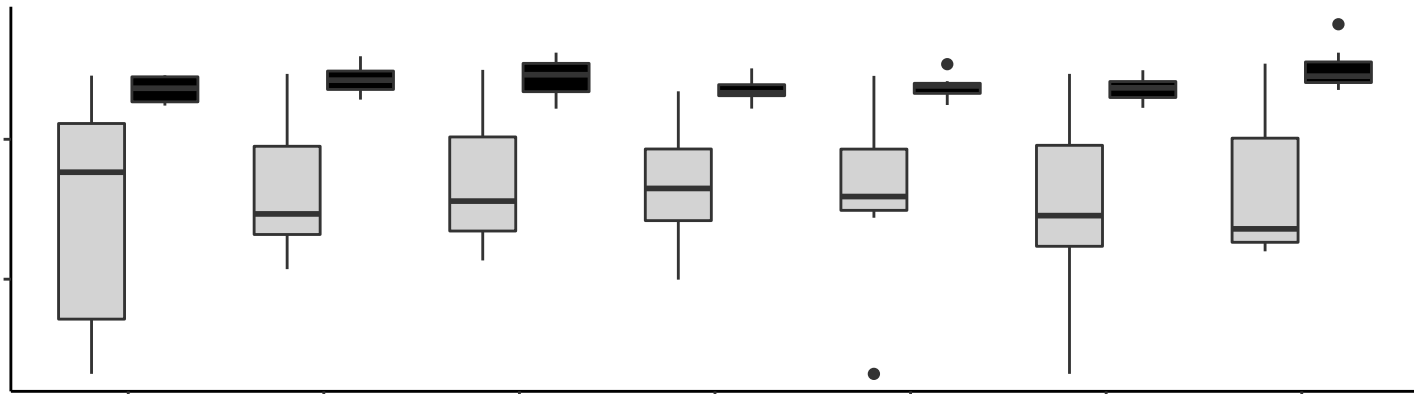


TUBB3

Genes Expression

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

Chimp
Human



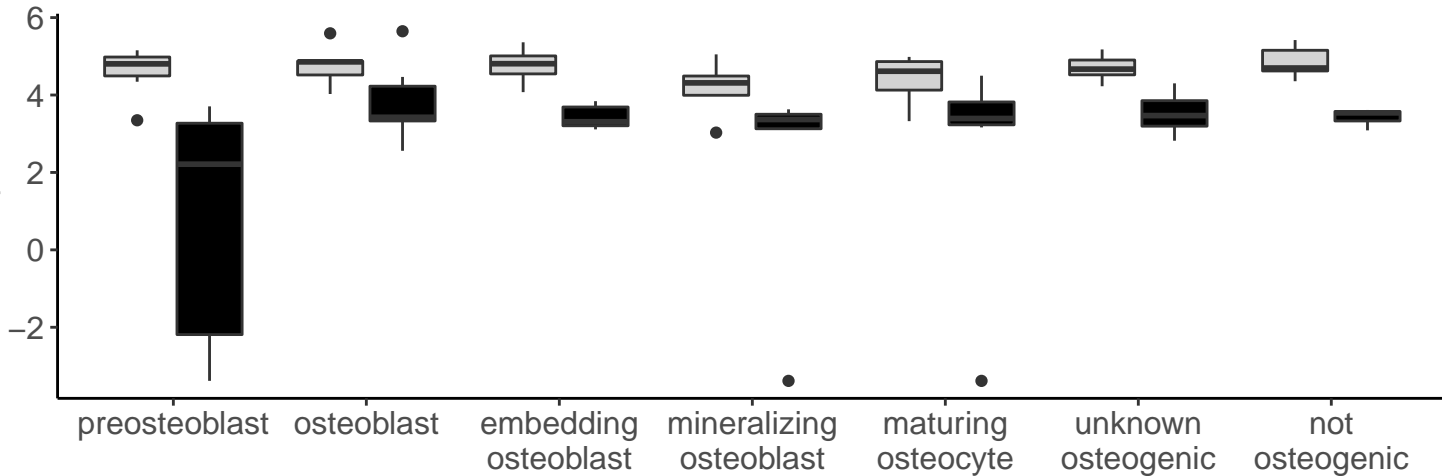
TXNL4B

Genes Expression

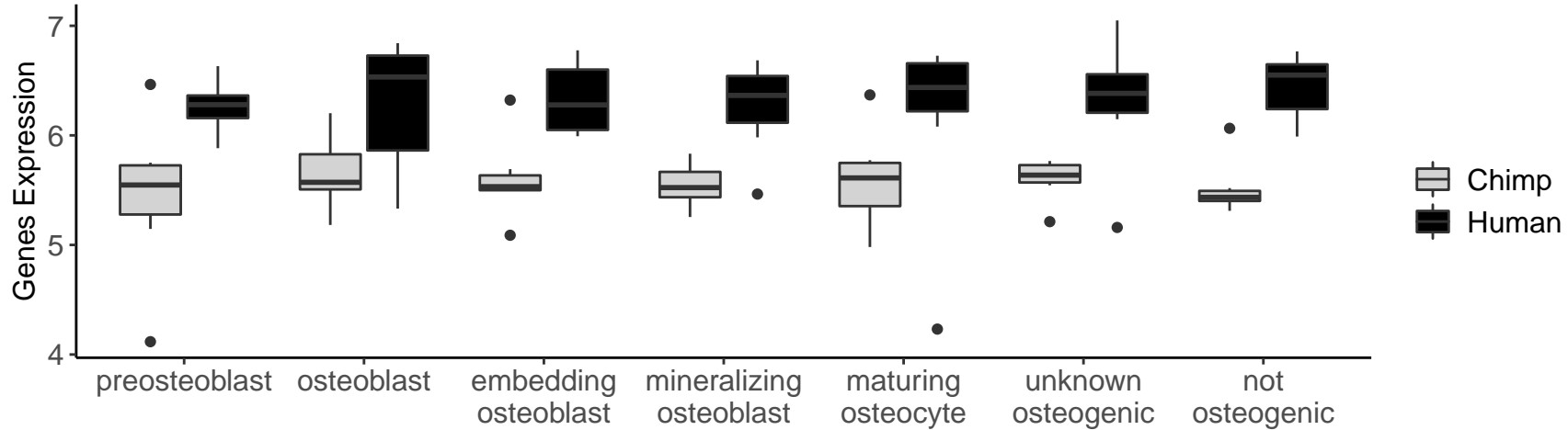
6
4
2
0
-2

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

Chimp
Human



UBAC2



USE1

Genes Expression

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

Chimp
Human

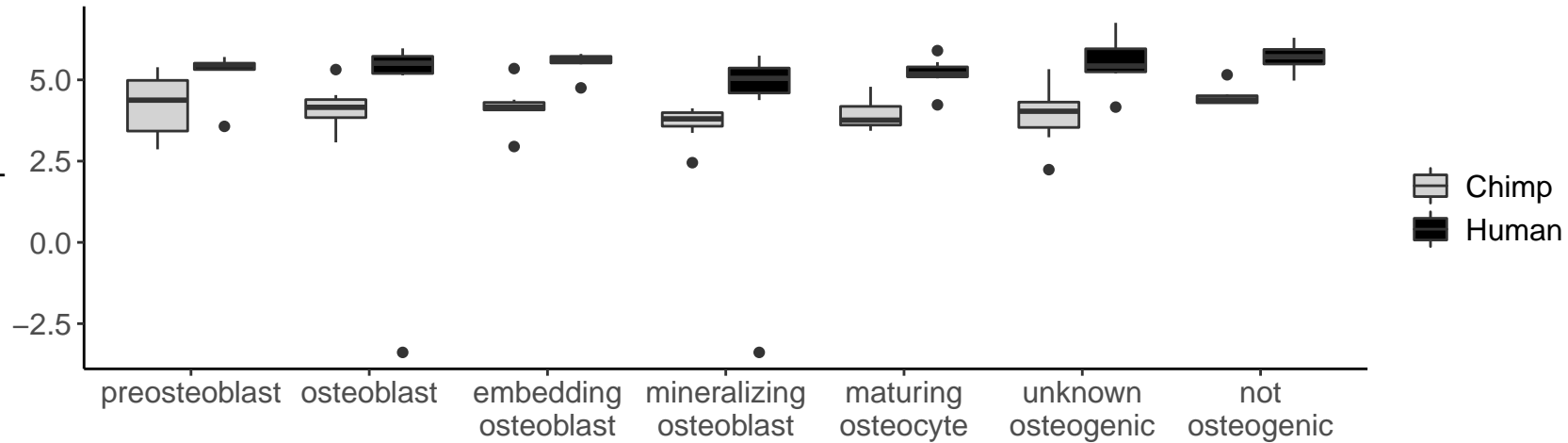
8

4

0

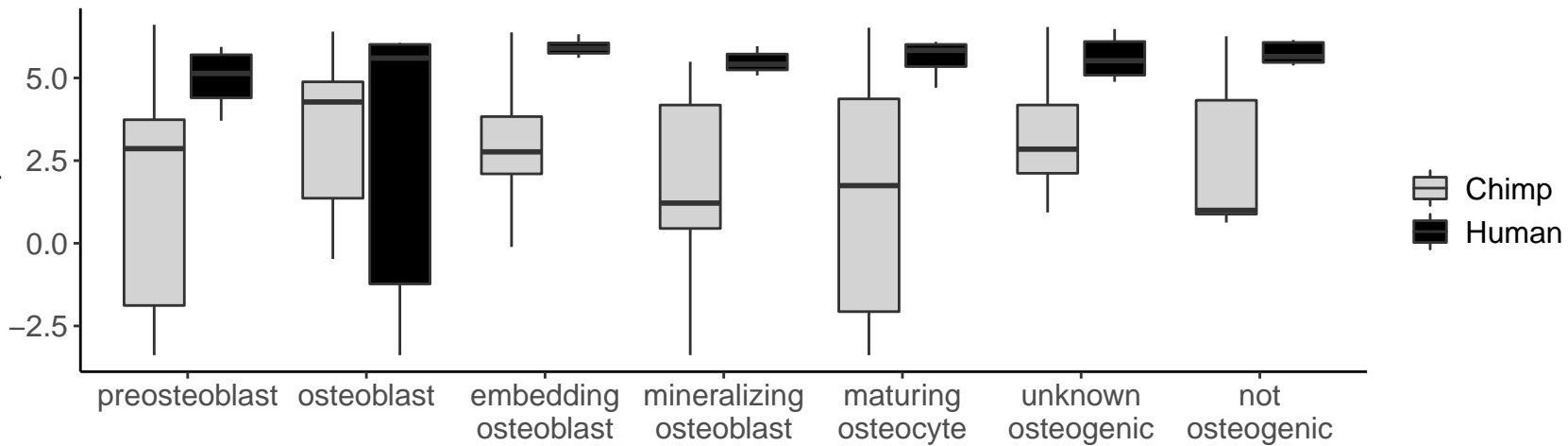
UTP11

Genes Expression

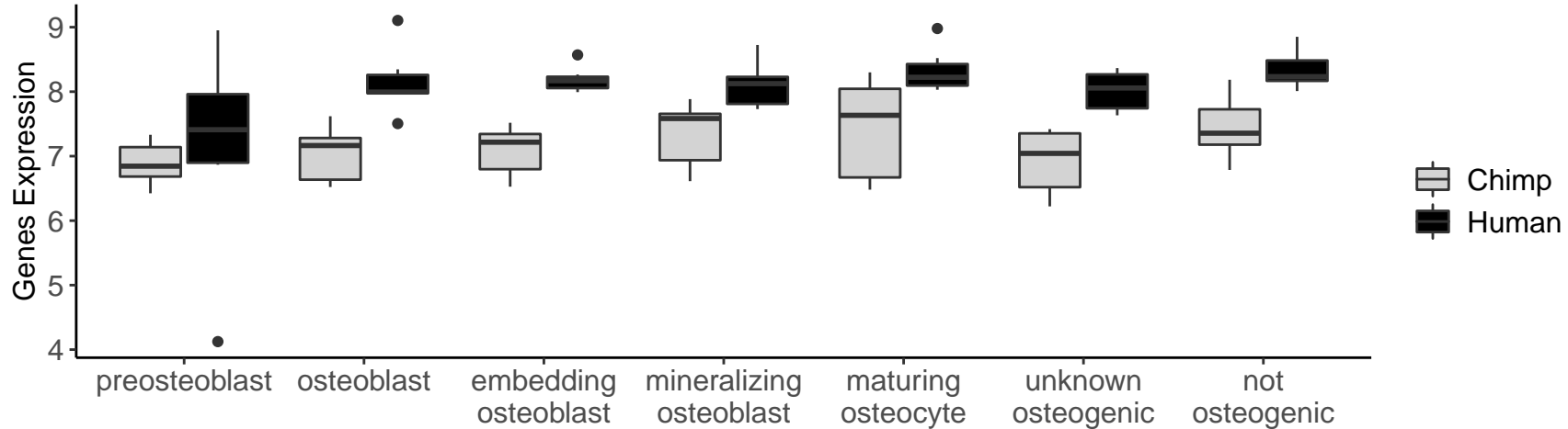


VEGFC

Genes Expression



WDR1



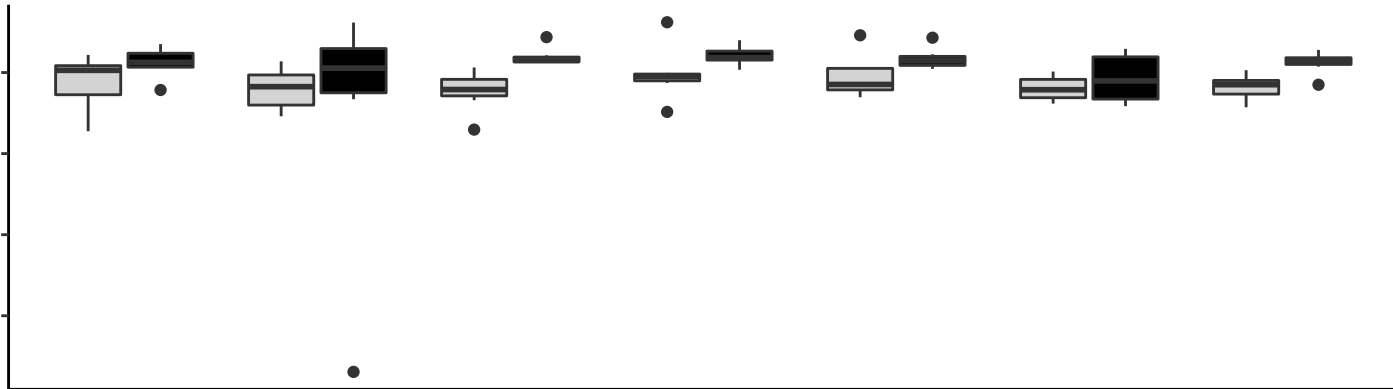
WRN

Genes Expression

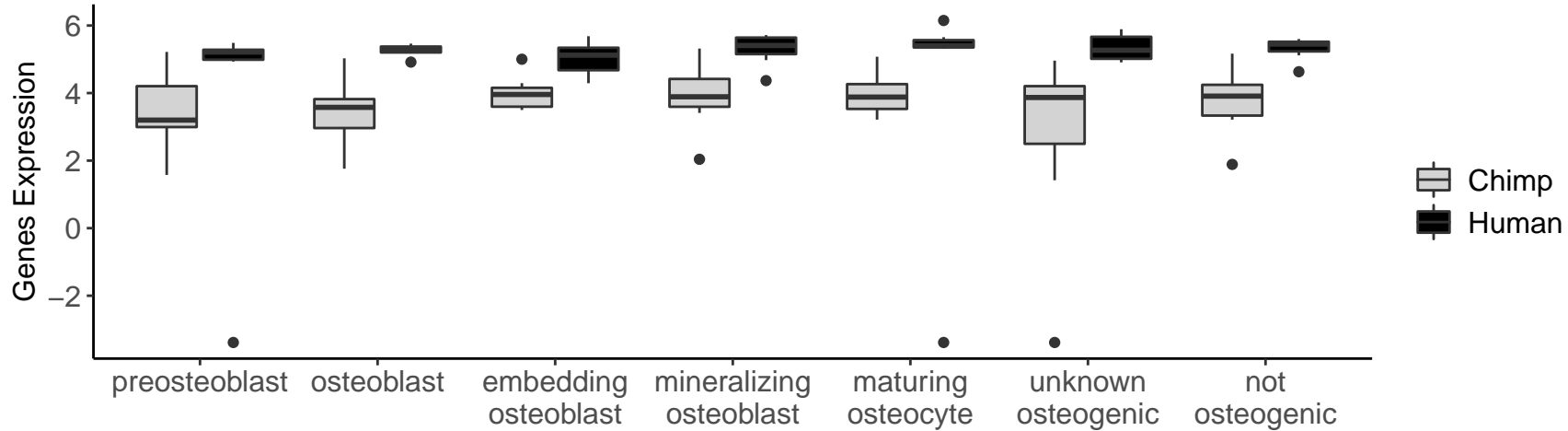
4
2
0
-2

Chimp
Human

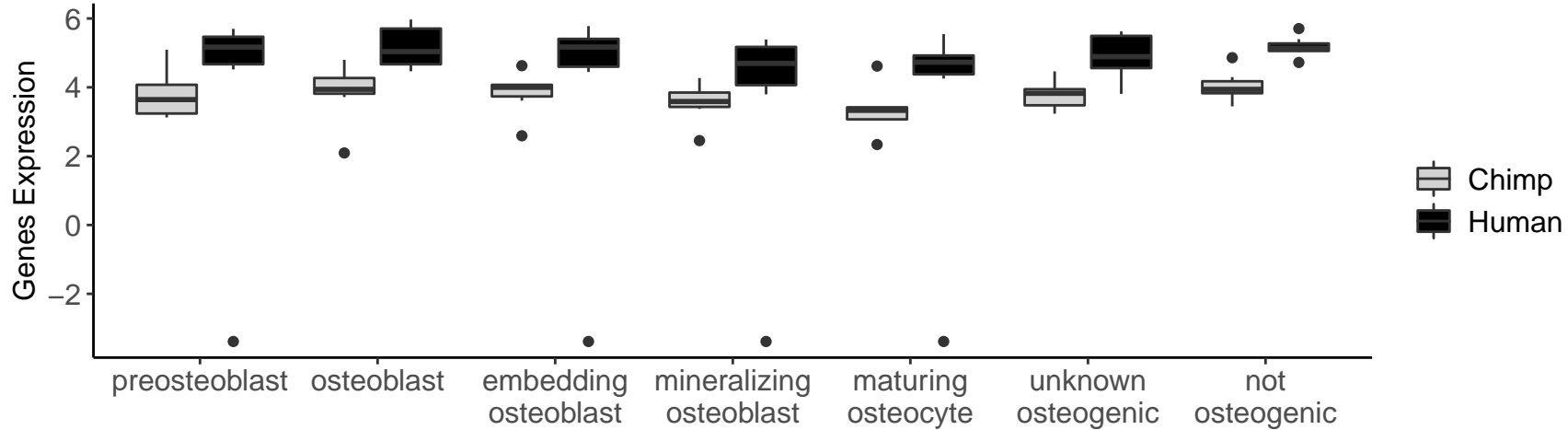
preosteoblast osteoblast embedding
osteoblast mineralizing
osteoblast maturing
osteocyte unknown
osteogenic not
osteogenic



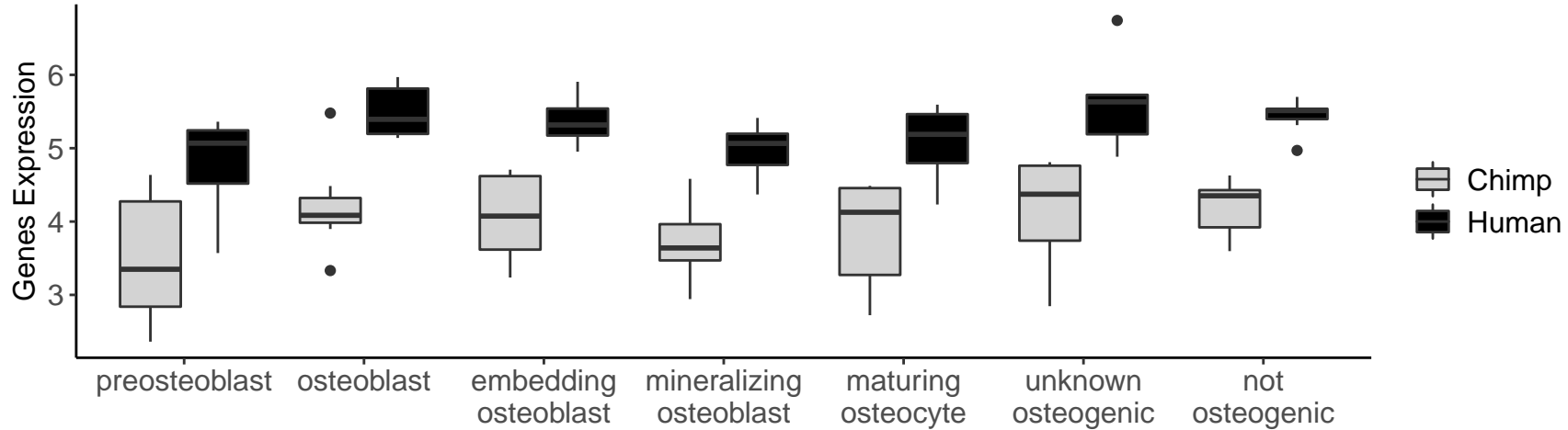
XXYLT1



ZFAND1



ZFAND2B



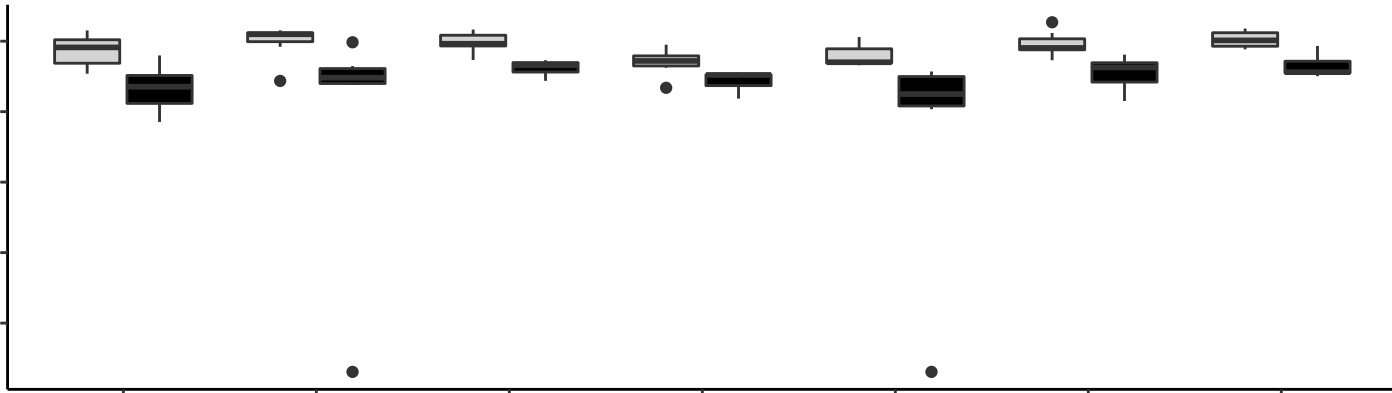
ZMAT5

Genes Expression

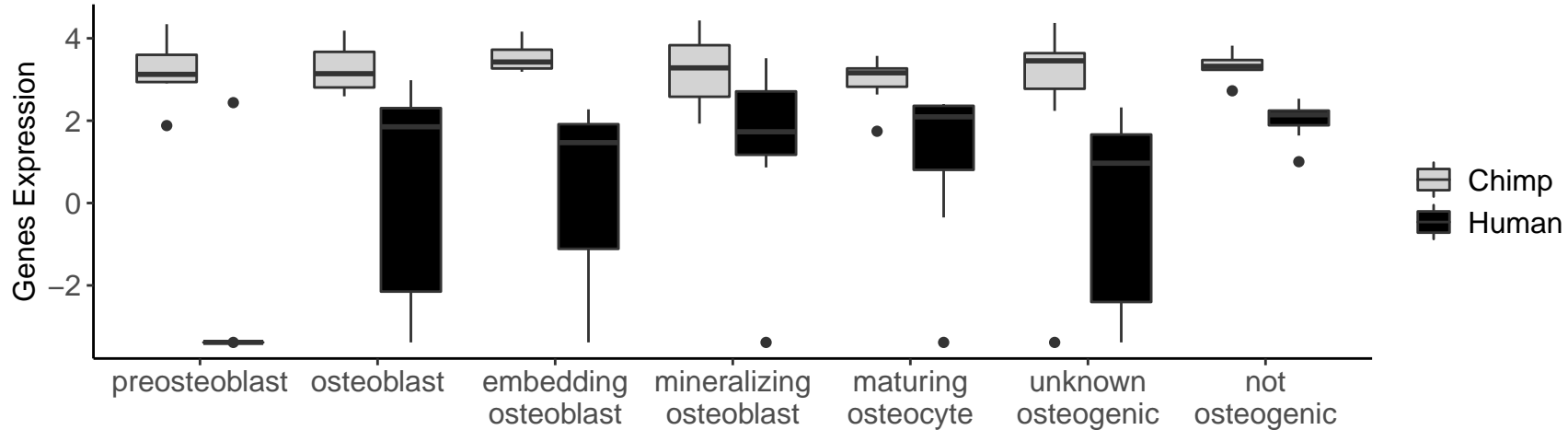
6
4
2
0
-2

Chimp
Human

preosteoblast osteoblast embedding
osteoblast mineralizing
osteocyte maturing
osteogenic unknown
osteogenic not



ZNF92



ZYX

Genes Expression

