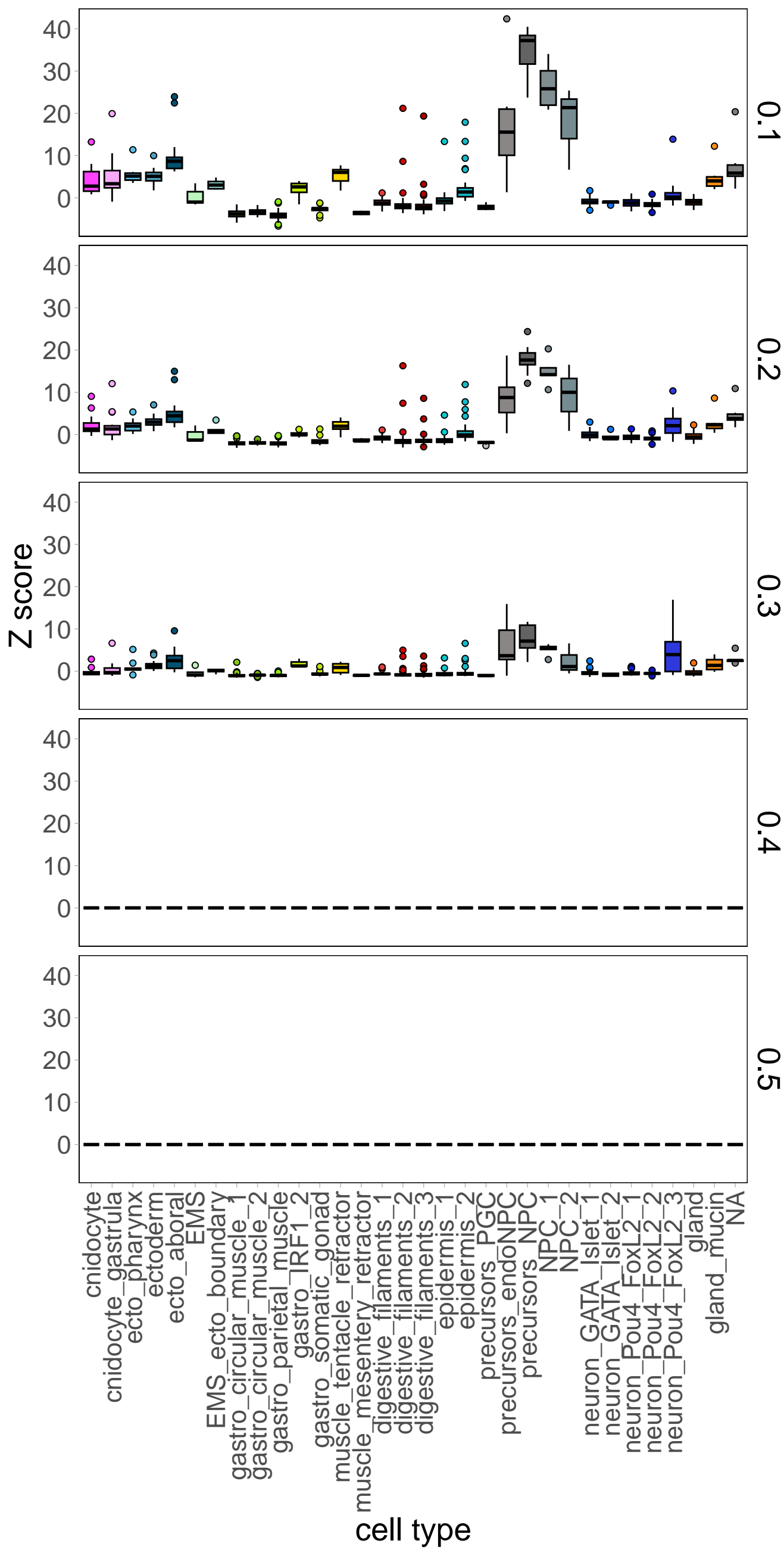
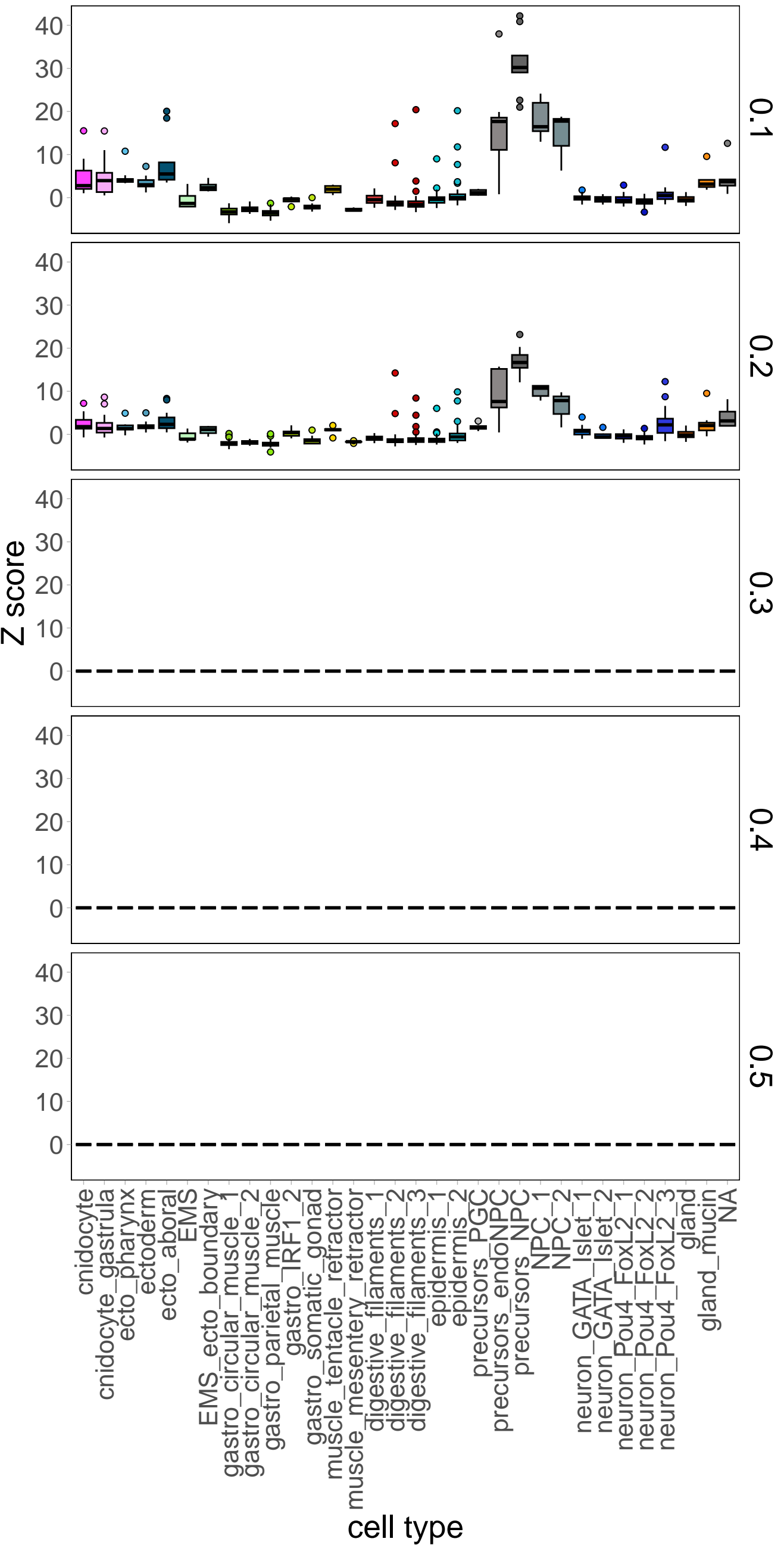


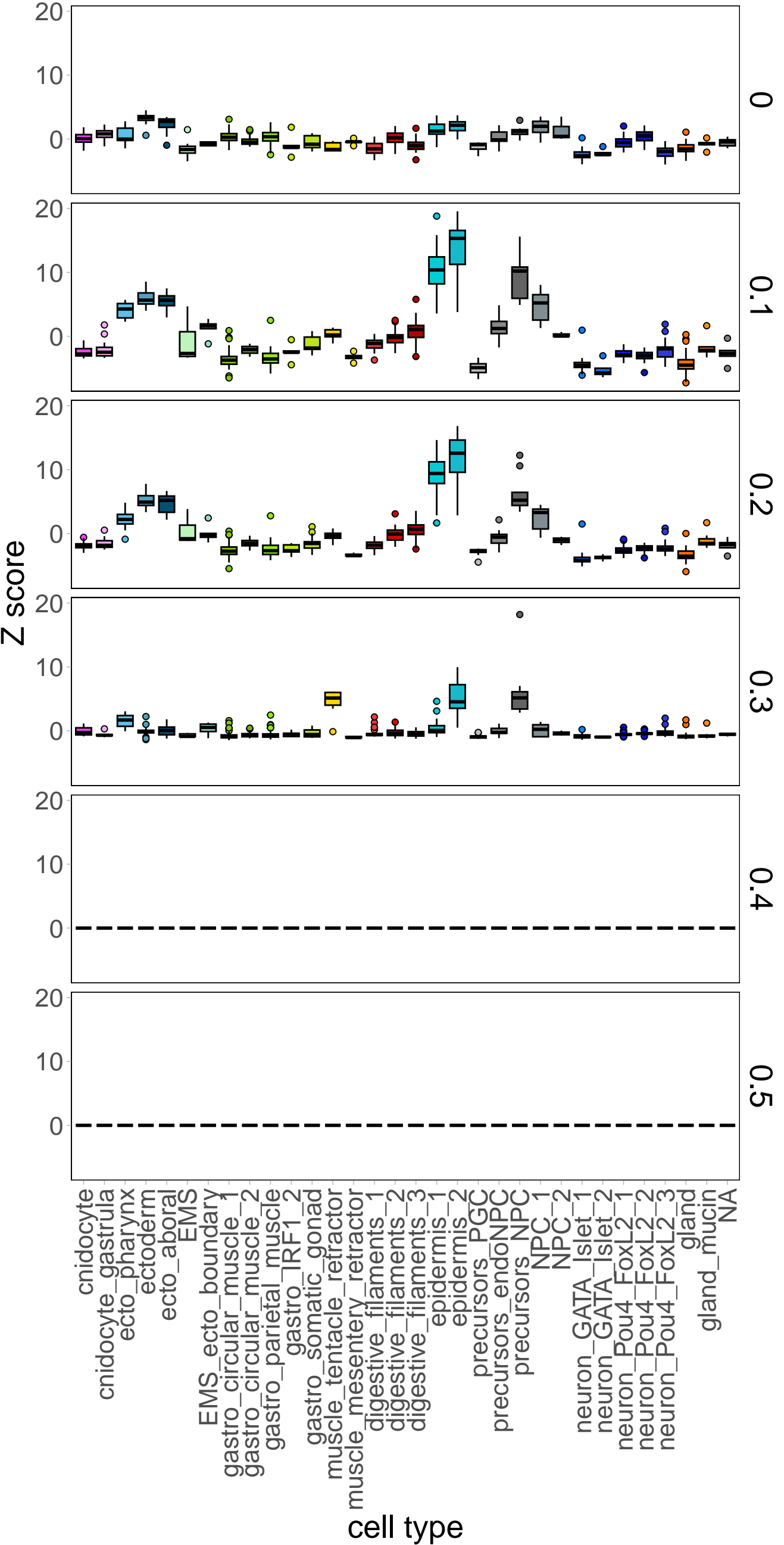
Ptx1 (Nvec\_vc1.1\_XM\_032366098.2)



Myc2 (Nvec\_vc1.1\_XM\_001640809.3)

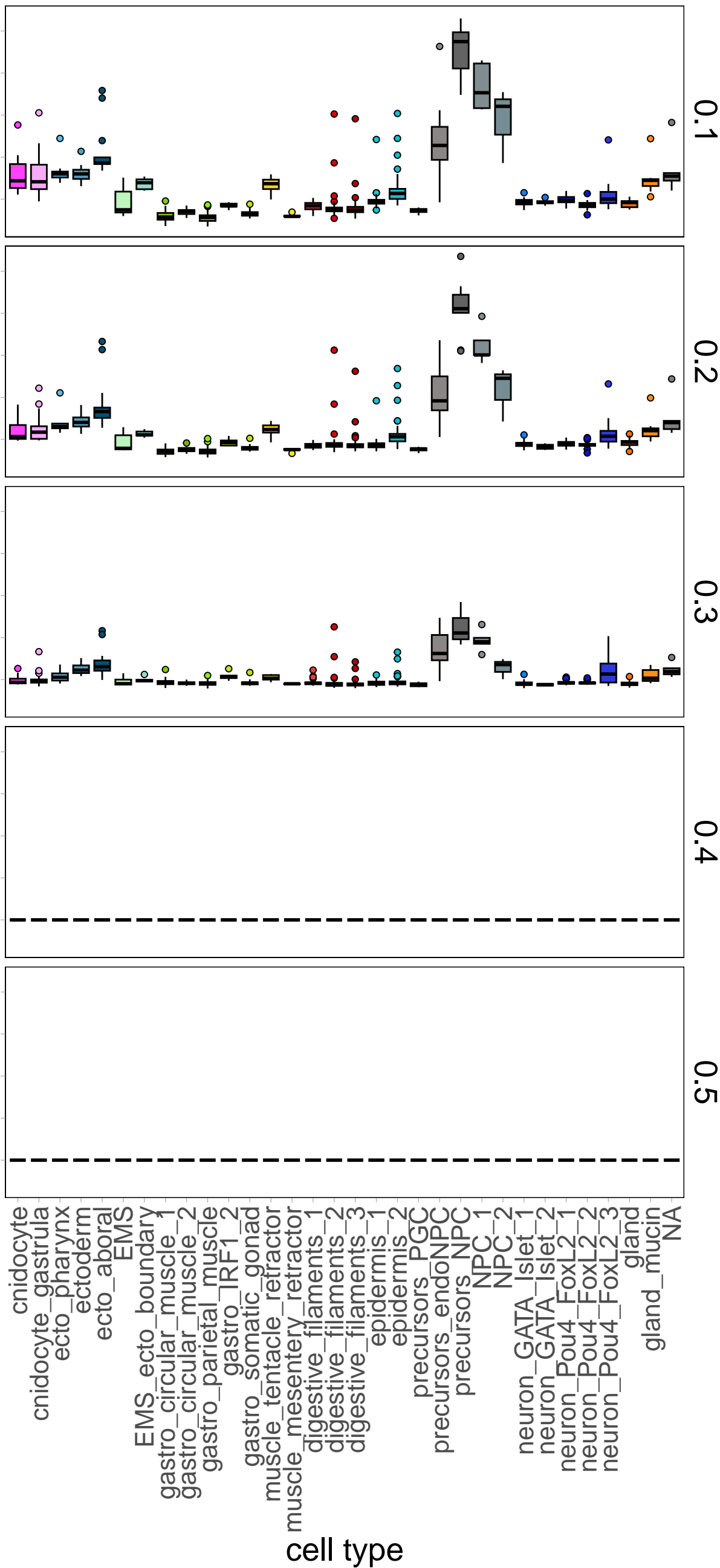


Hes2 (Nvec\_vc1.1\_XM\_032384889.2)

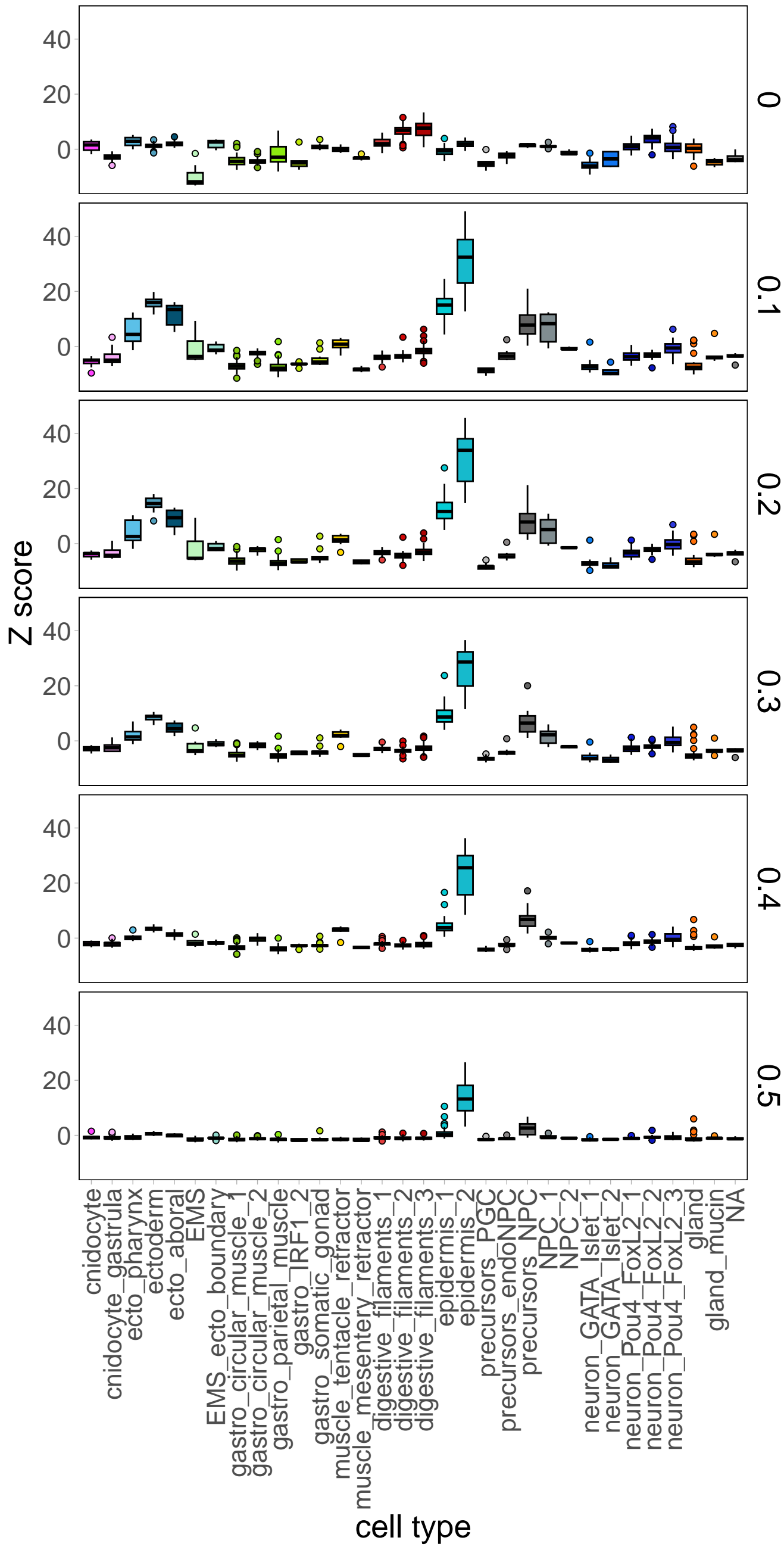


Ath-like (Nvec\_vc1.1\_XM\_032376421.2)

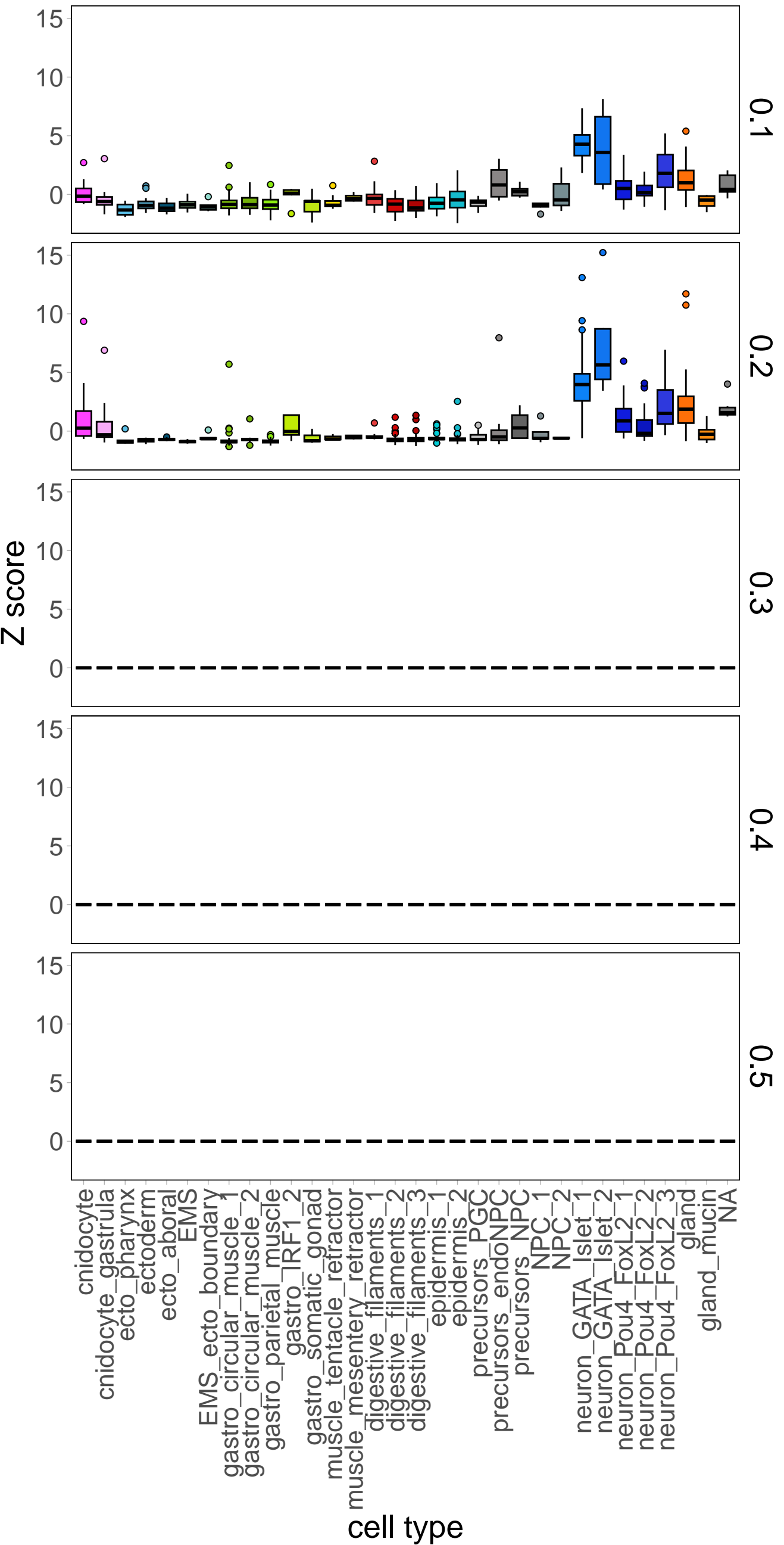
Z score



FoxQ2d (Nvec\_vc1.1\_XM\_032385706.2)

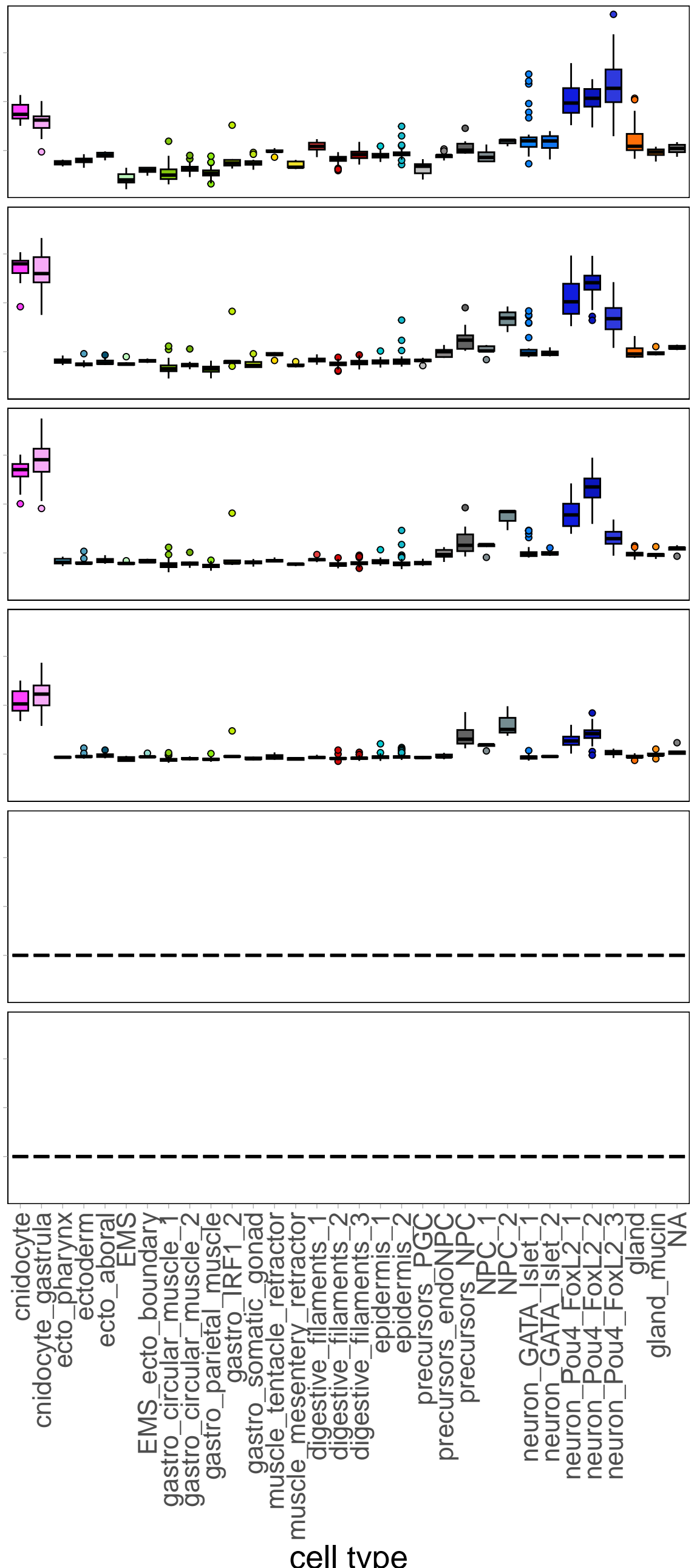


AshA (Nvec\_vc1.1\_XM\_032370984.2)

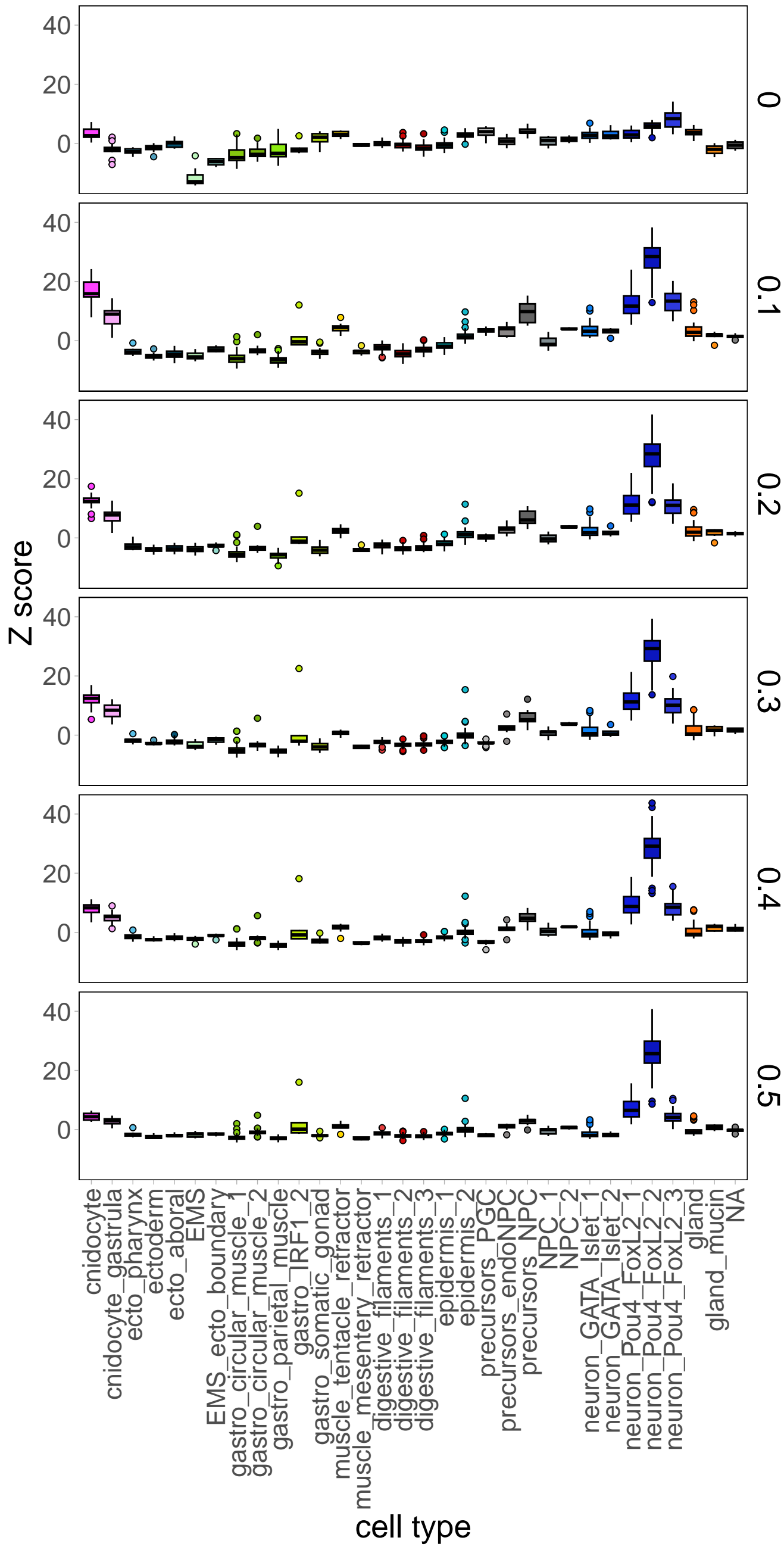


Pou4 (Nvec\_vc1.1\_XM\_032363992.2)

Z score

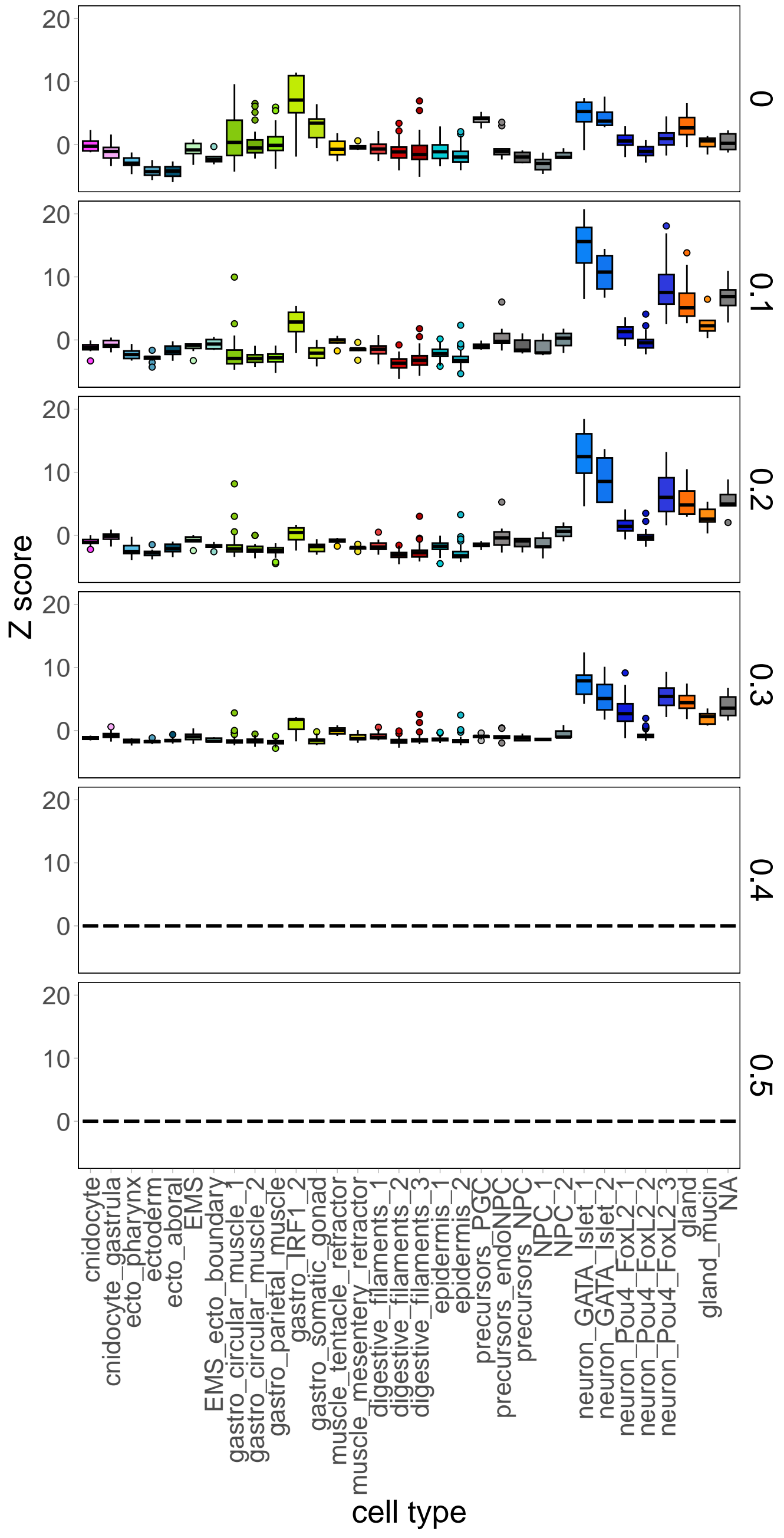


FoxL2 (Nvec\_vc1.1\_XM\_032364887.2)



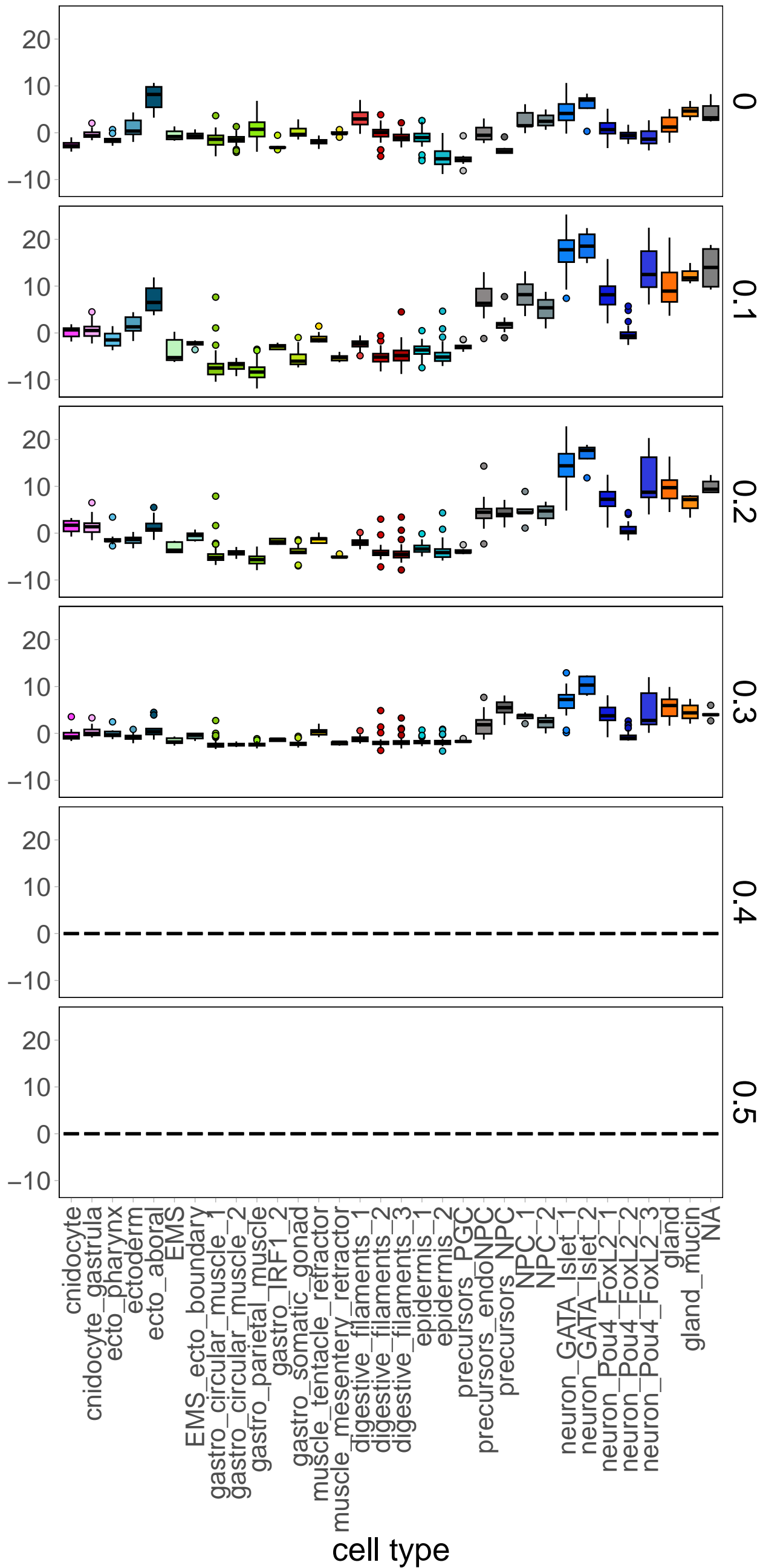


Pea3/Ets (Nvec\_vc1.1\_XM\_032377897.2)

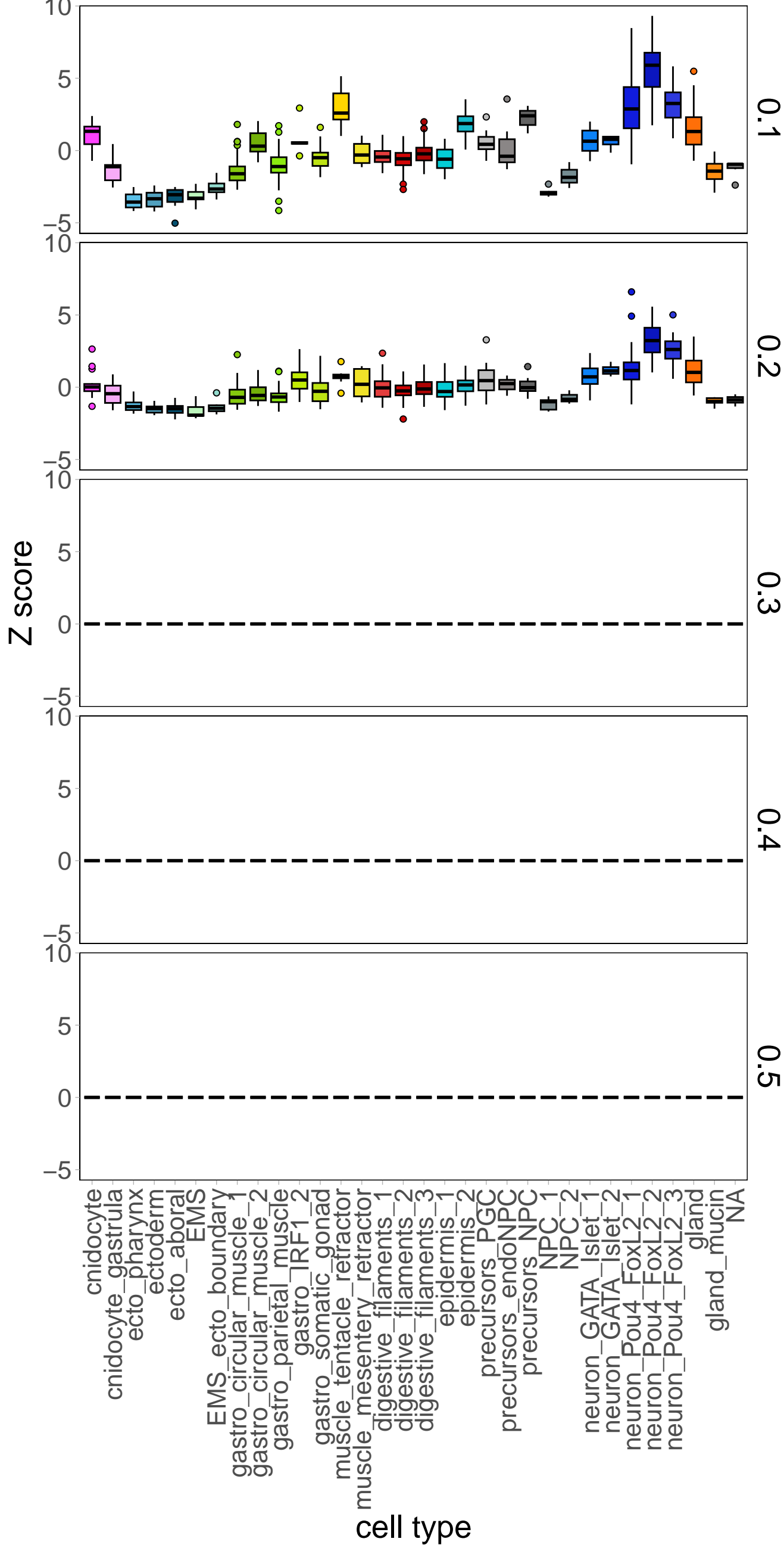


Islet (Nvec\_vc1.1\_XM\_032362713.2)

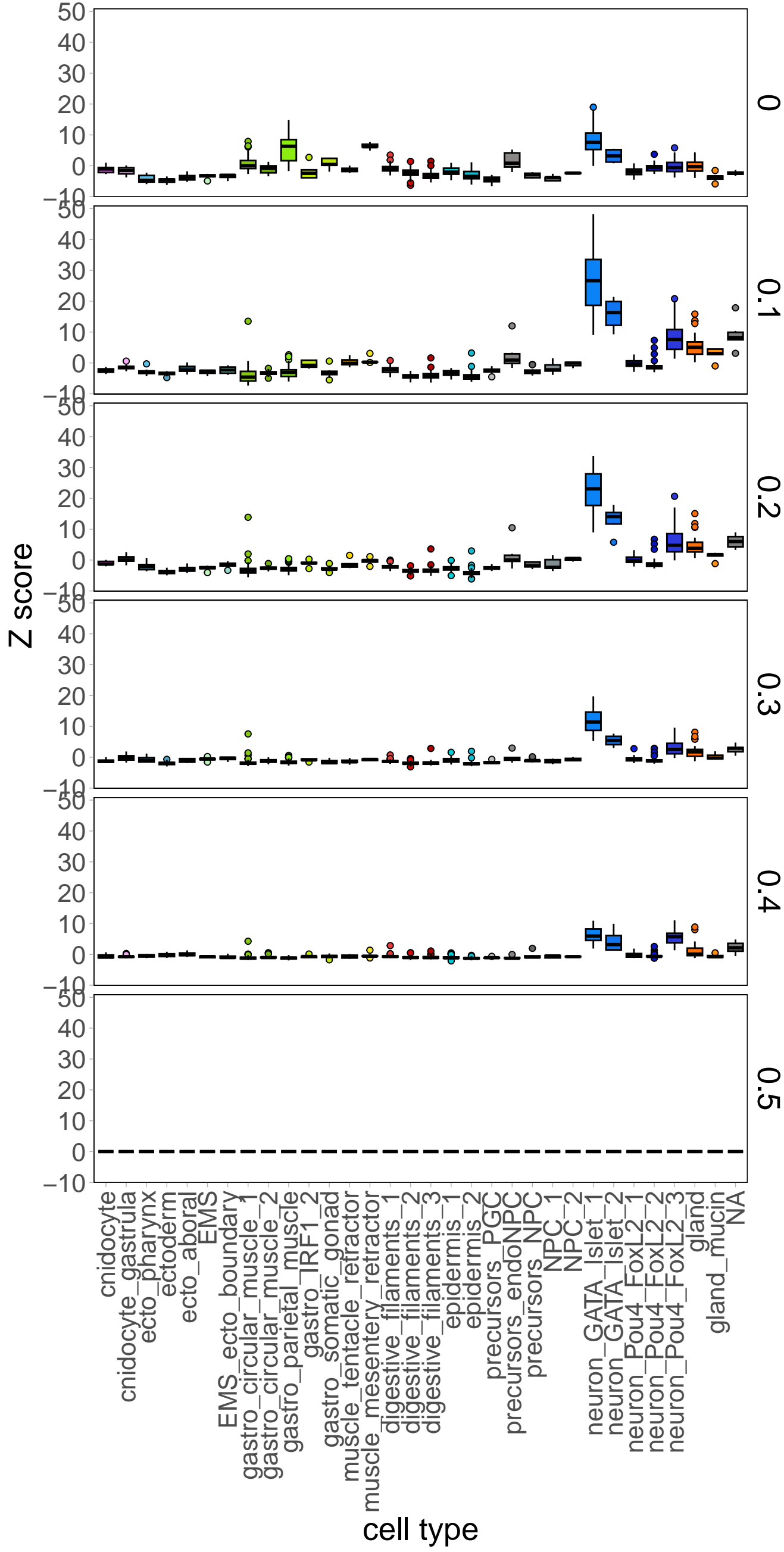
Z score



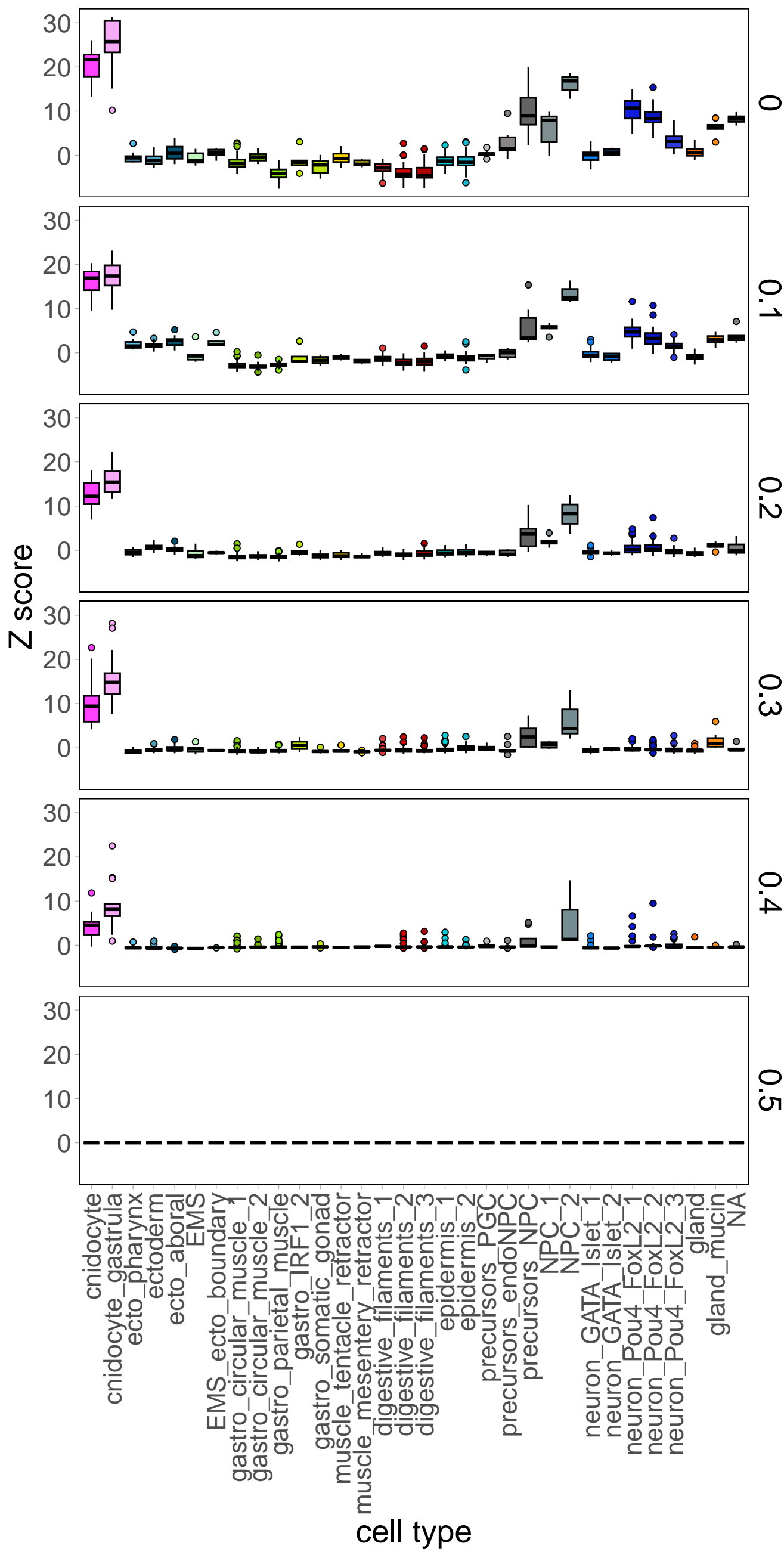
Zic-C (Nvec\_vc1.1\_XM\_048728976.1)



# GATA (Nvec\_vc1.1\_XM\_032367288.2)

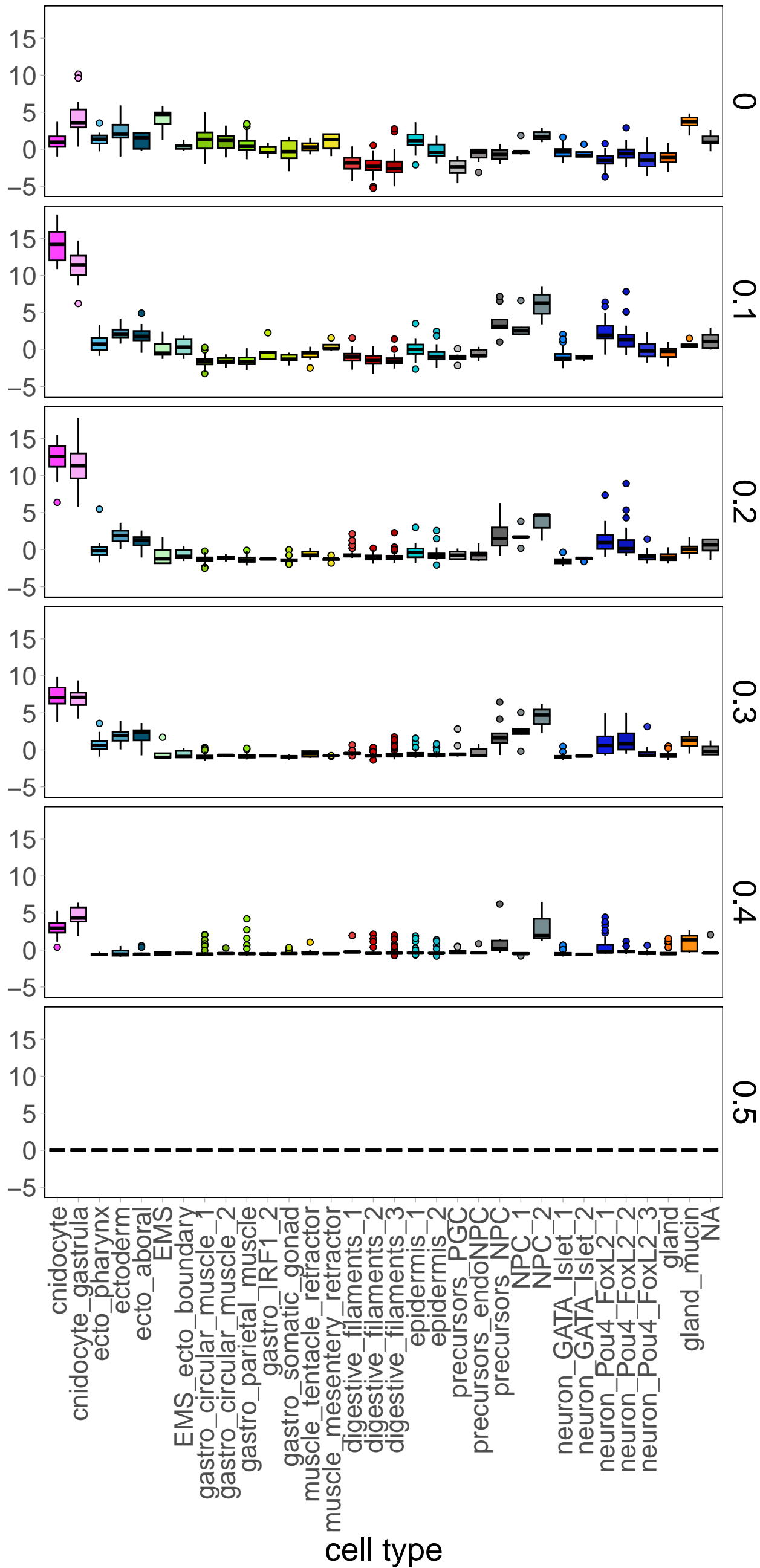


## ZNF845 (Nvec\_vc1.1\_XM\_001641129.3)



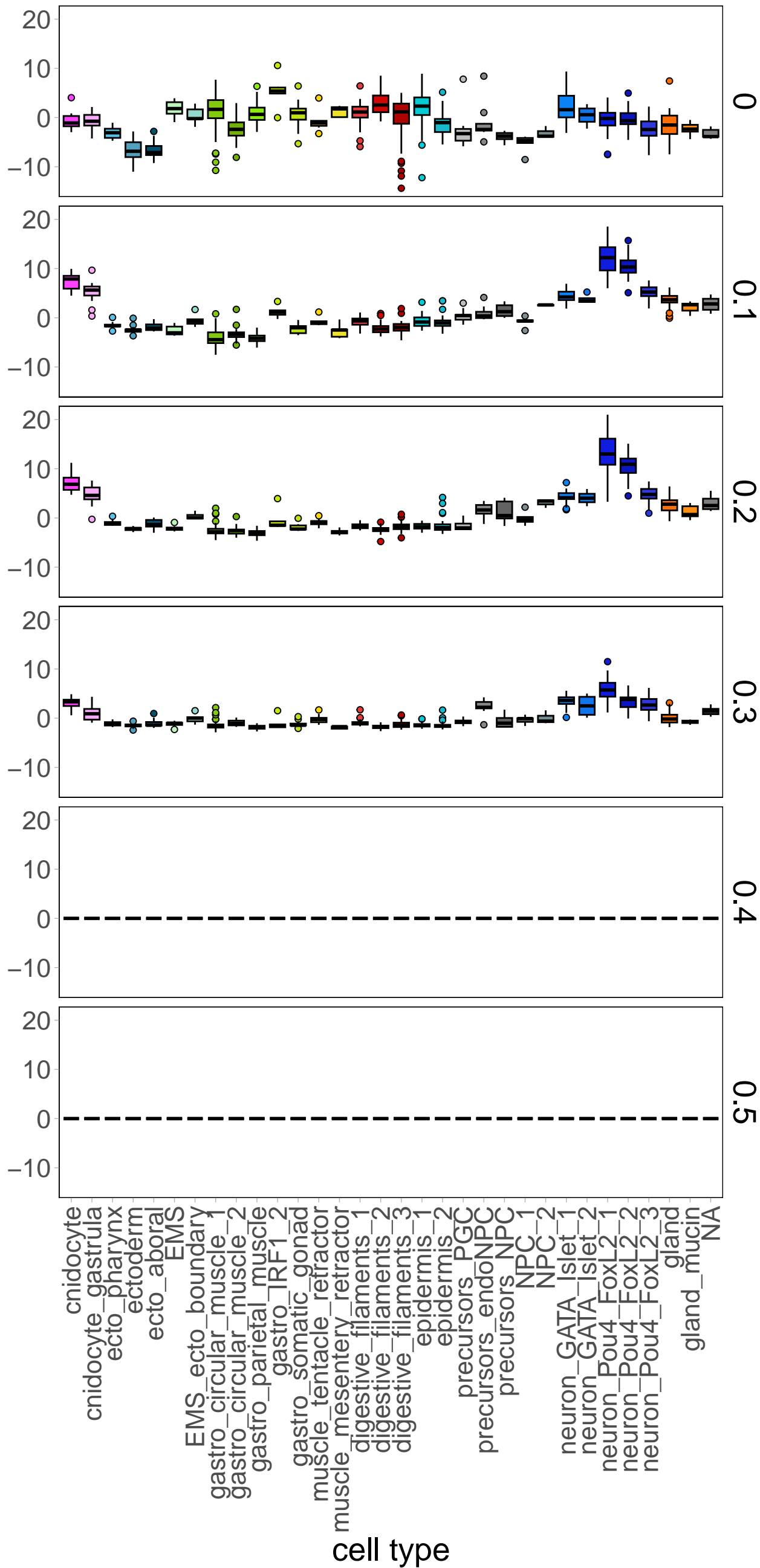
# PaxA (Nvec\_vc1.1\_XM\_001631763.3)

Z score

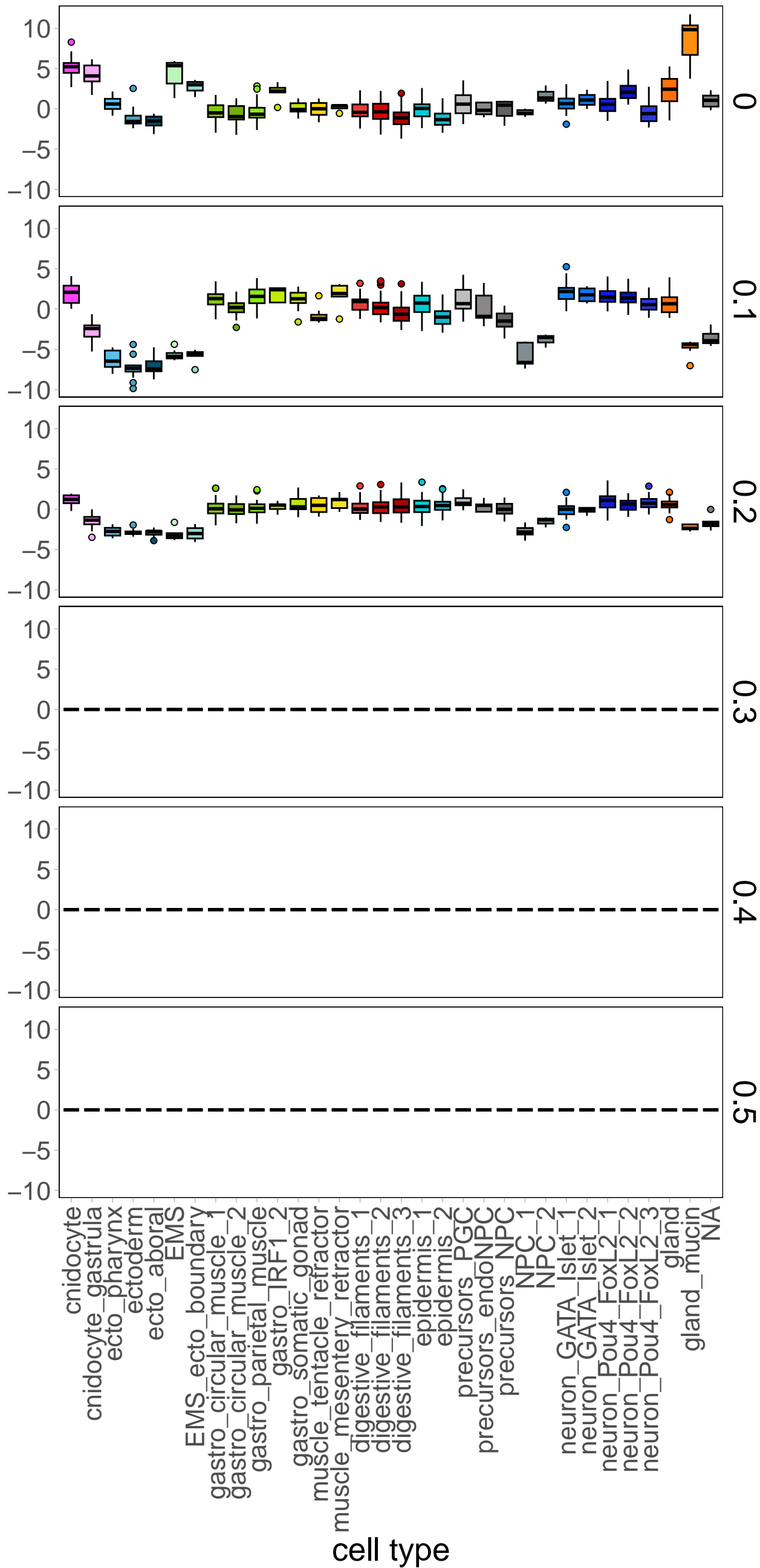


Cnido-Fos1 (Nvec\_vc1.1\_XM\_048730161

Z score



Z score

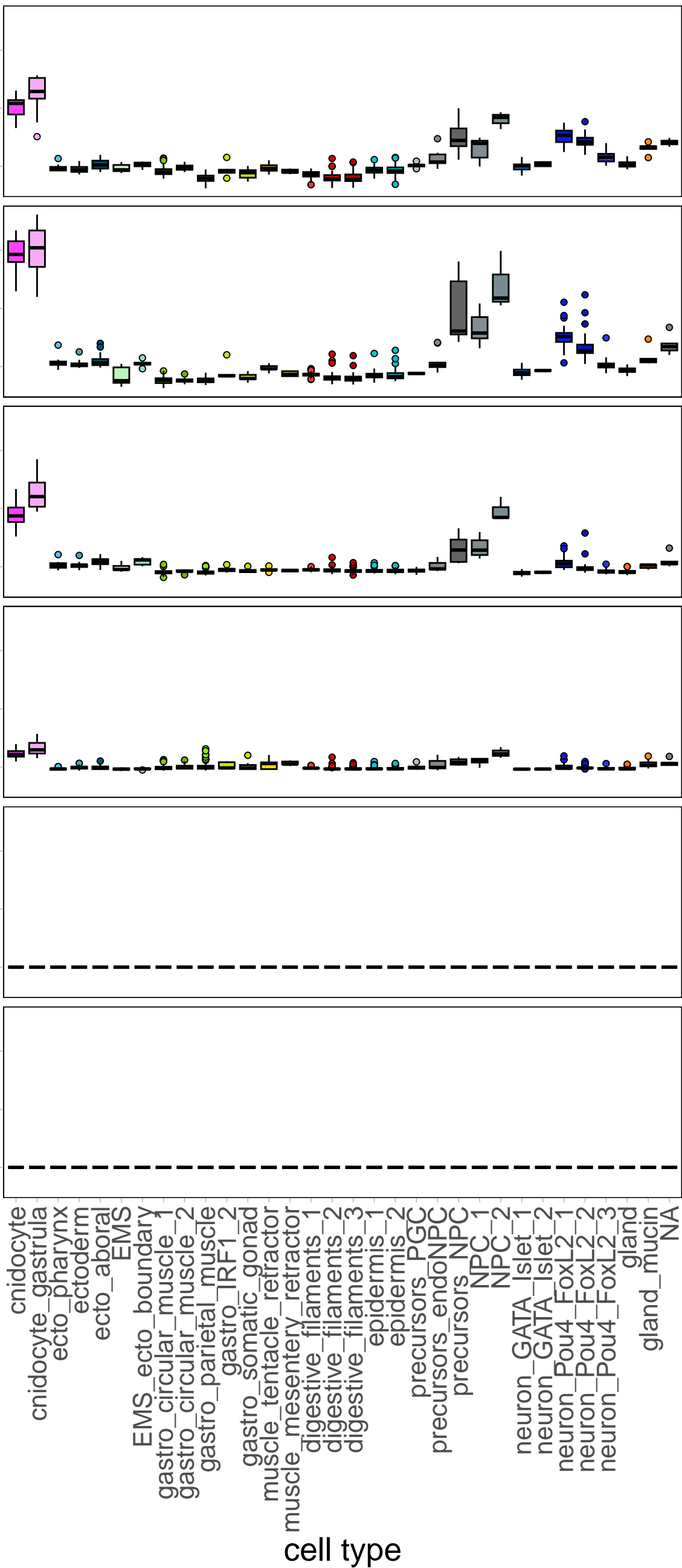




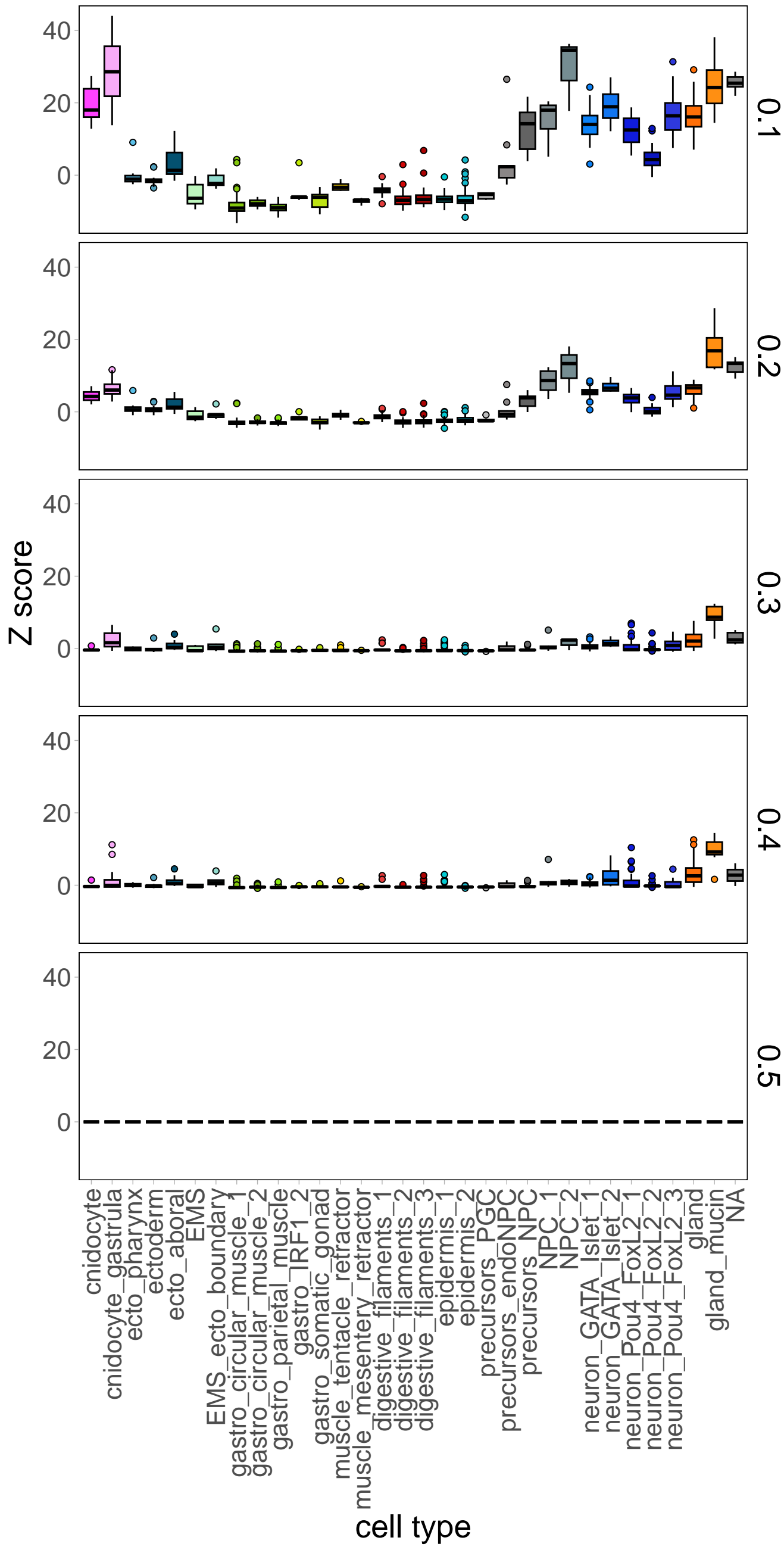
# Klf13 (Nvec\_v1g19278)

Z score

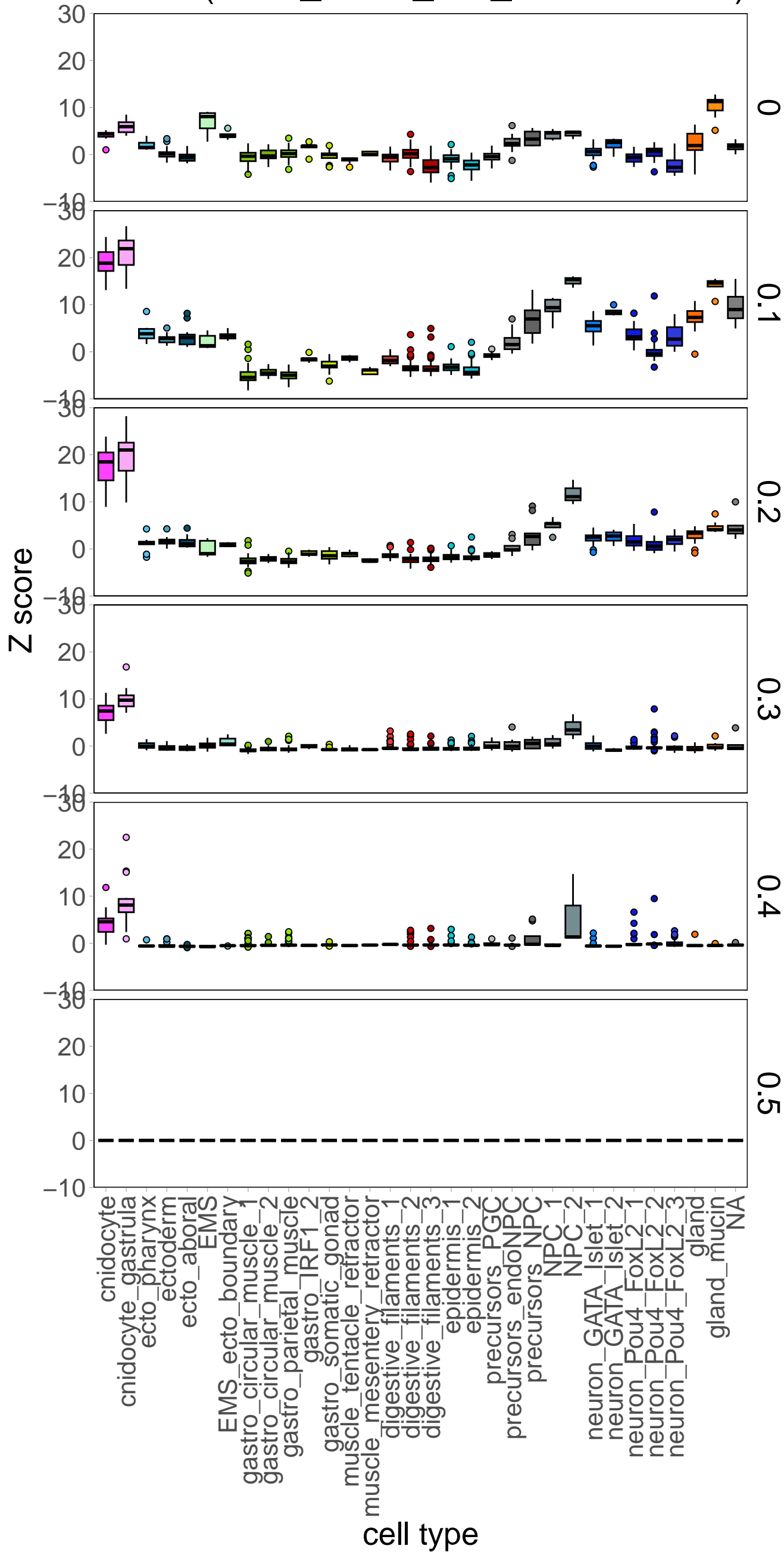
0  
0.1  
0.2  
0.3  
0.4  
0.5



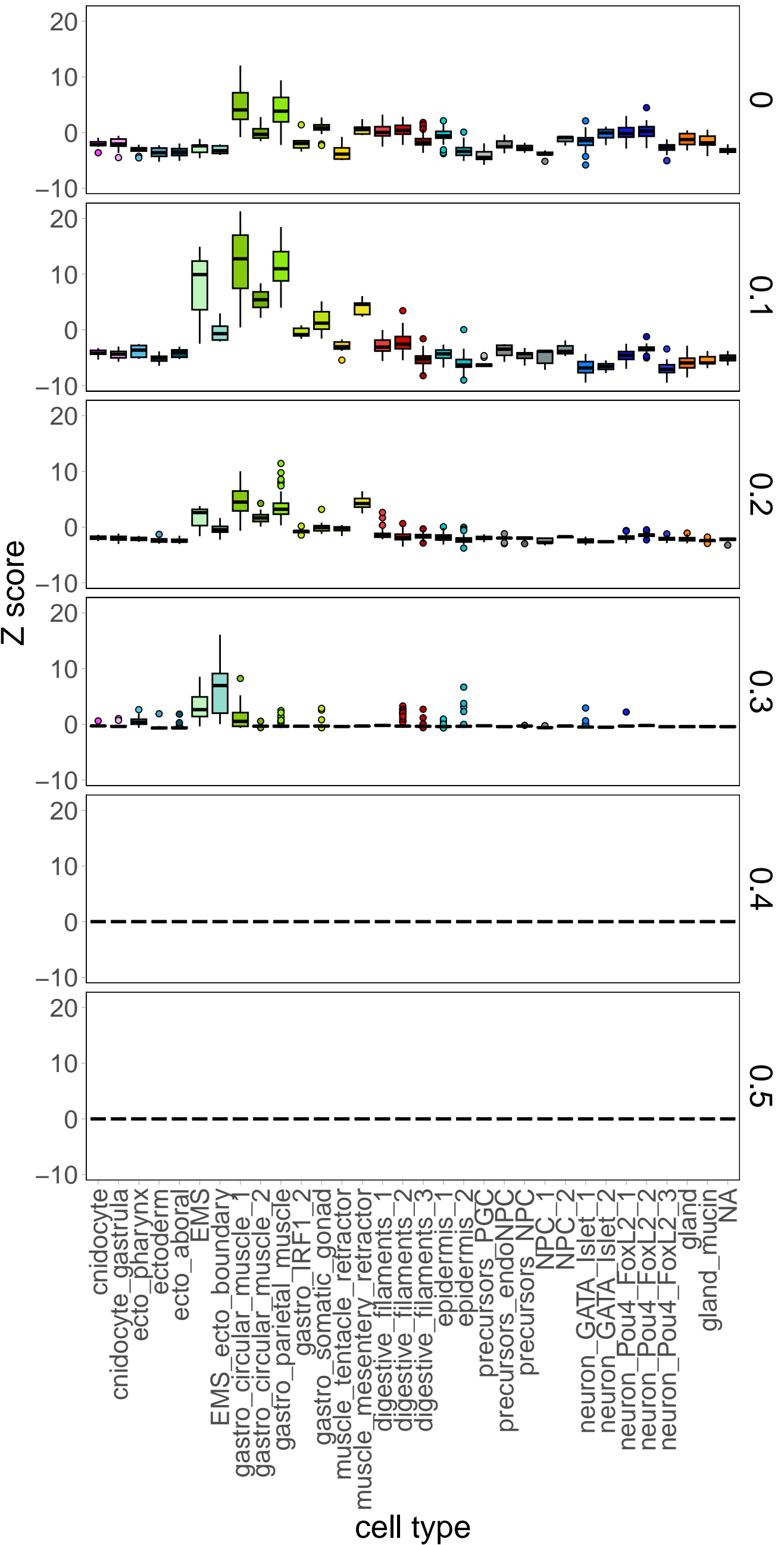
BHMG1 (Nvec\_vc1.1\_XM\_001633819.3)



# XBP1 (Nvec\_vc1.1\_XM\_001629694.3)



Hand2 (Nvec\_vc1.1\_XM\_032381908.2)

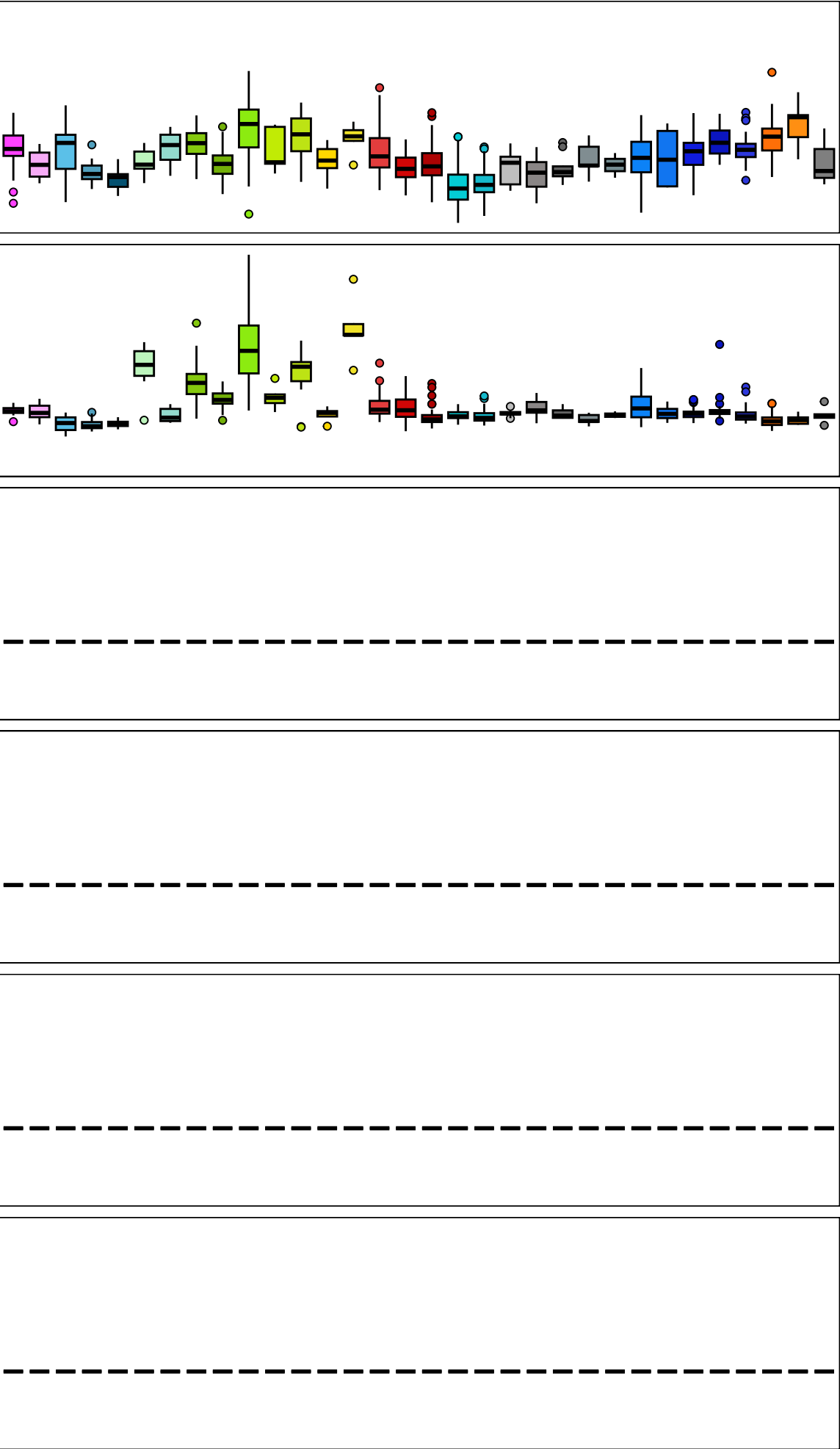


FoxC (Nvec\_vc1.1\_XM\_001625950.3)

Z score

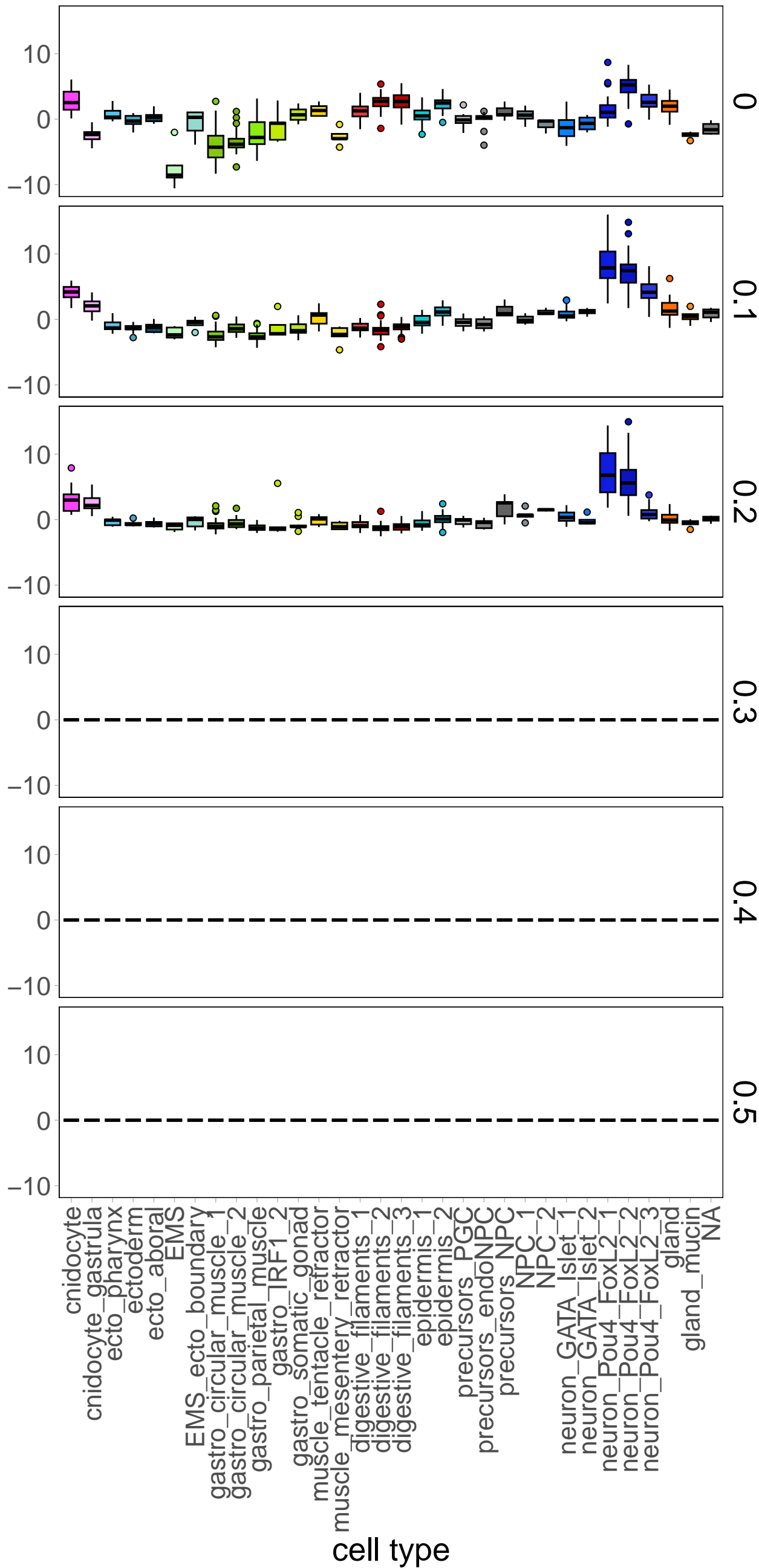
cell type

cnidocyte  
cnidocyte\_gastrula  
ecto\_pharynx  
ectoderm  
ecto\_aboral  
EMS  
EMS\_ecto\_boundary  
gastro\_circular\_muscle\_1  
gastro\_circular\_muscle\_2  
gastro\_parietal\_muscle  
gastro\_IRF1\_2  
gastro\_somatic\_gonad  
muscle\_tentacle\_retractor  
muscle\_mesentery\_retractor  
digestive\_filaments\_1  
digestive\_filaments\_2  
digestive\_filaments\_3  
epidermis\_1  
epidermis\_2  
precursors\_PGC  
precursors\_endoNPC  
precursors\_NPC  
NPC\_1  
NPC\_2  
neuron\_GATA\_Islet\_1  
neuron\_GATA\_Islet\_2  
neuron\_Pou4\_FoxL2\_1  
neuron\_Pou4\_FoxL2\_2  
neuron\_Pou4\_FoxL2\_3  
gland  
gland\_mucin  
NA

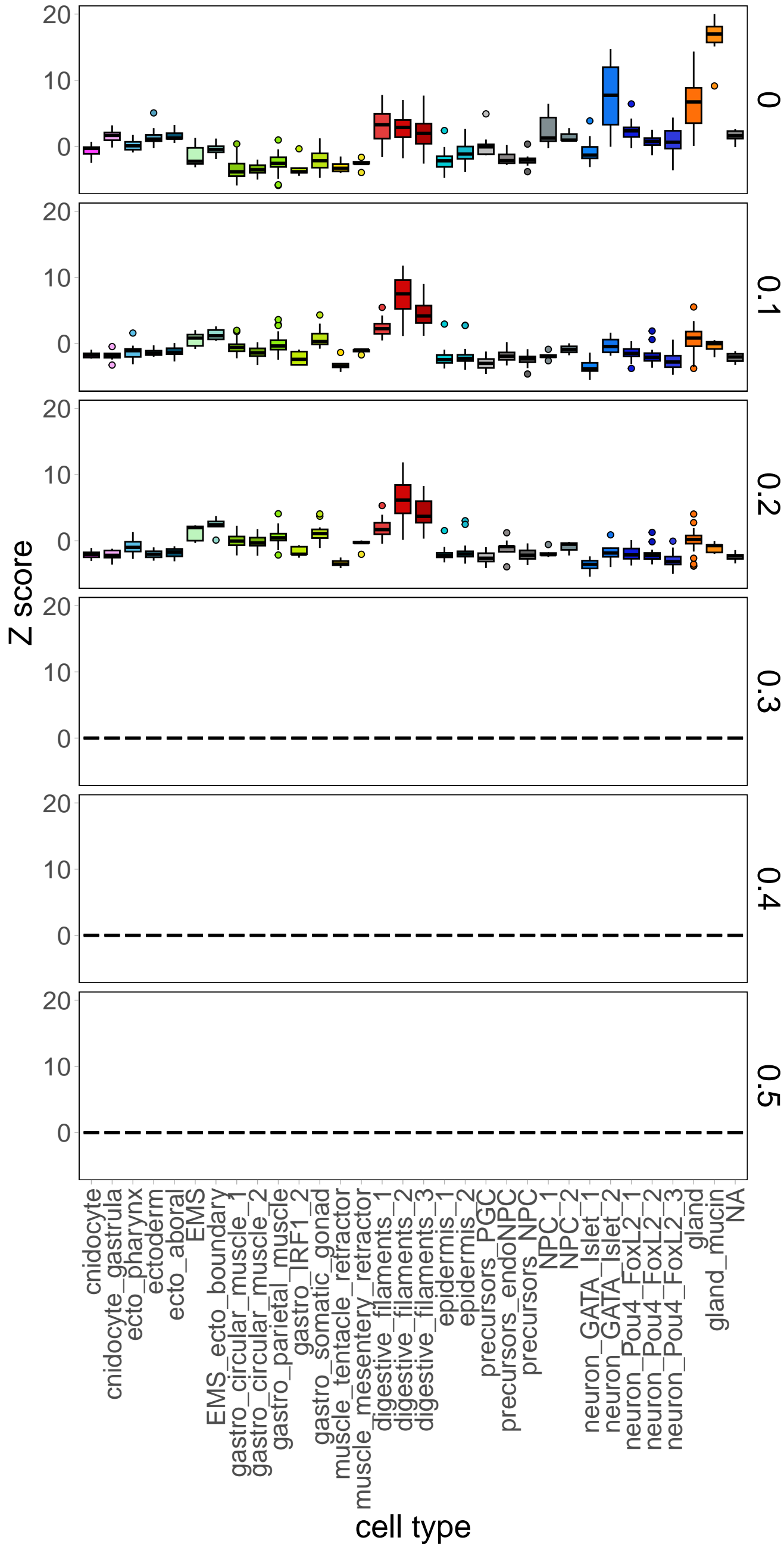


FoxJ1 (Nvec\_vc1.1\_XM\_001636889.3)

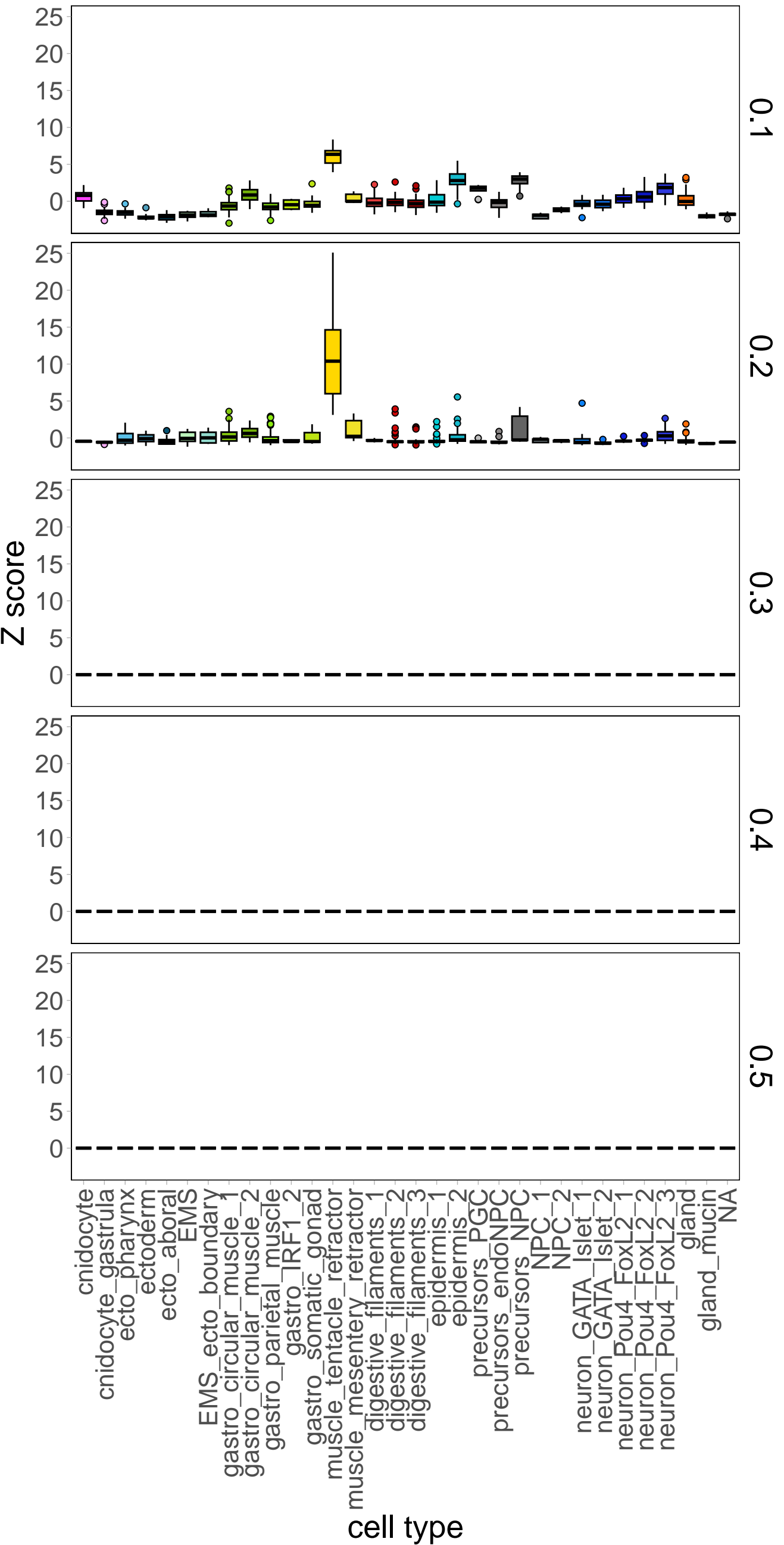
Z score



# Rfx4/6/8 (Nvec\_vc1.1\_XM\_032365096.2)

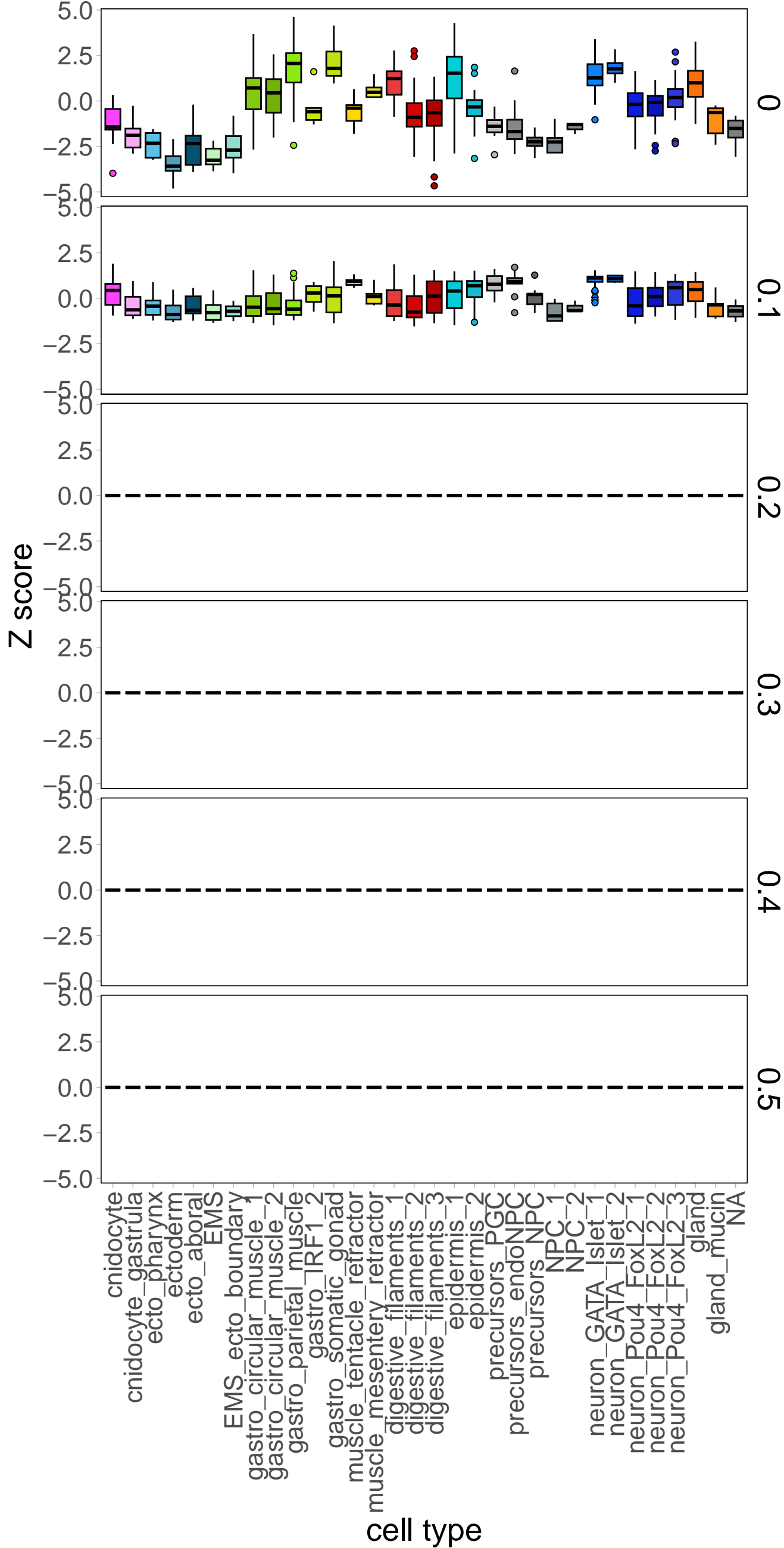


Nem64 (Nvec\_vc1.1\_XM\_001634938.2)

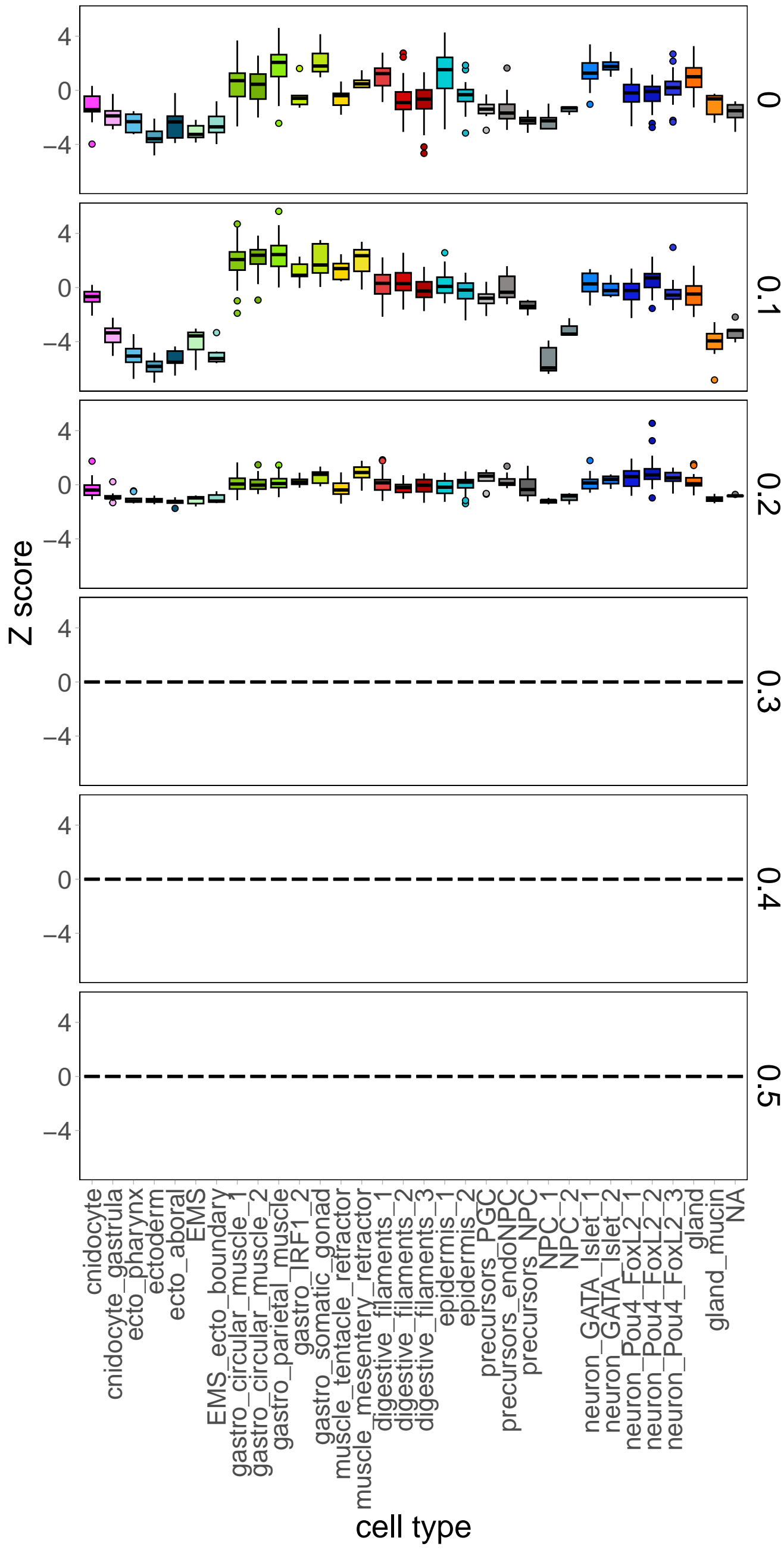




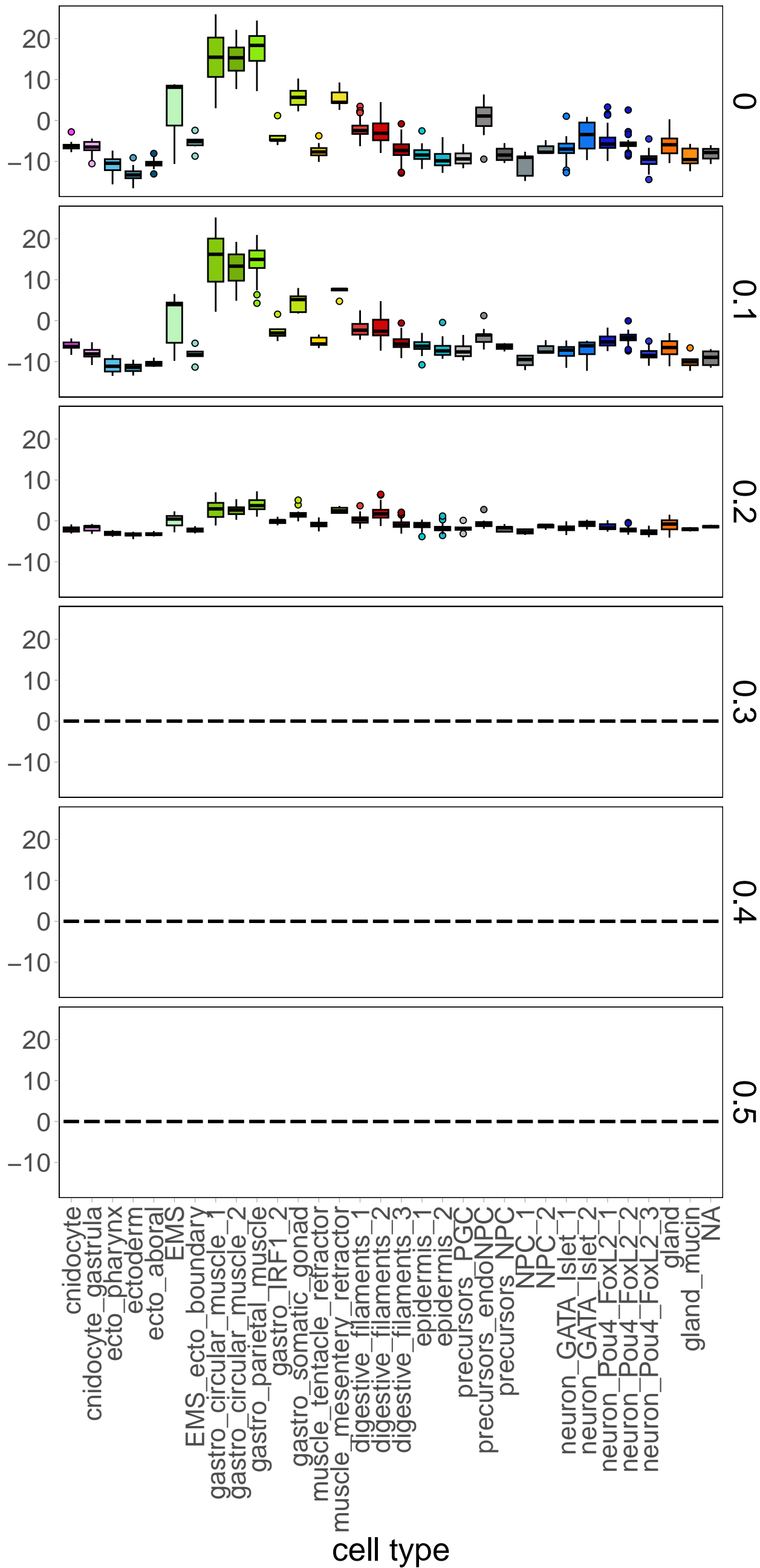
Nem24 (Nvec\_vc1.1\_XM\_032385184.2)



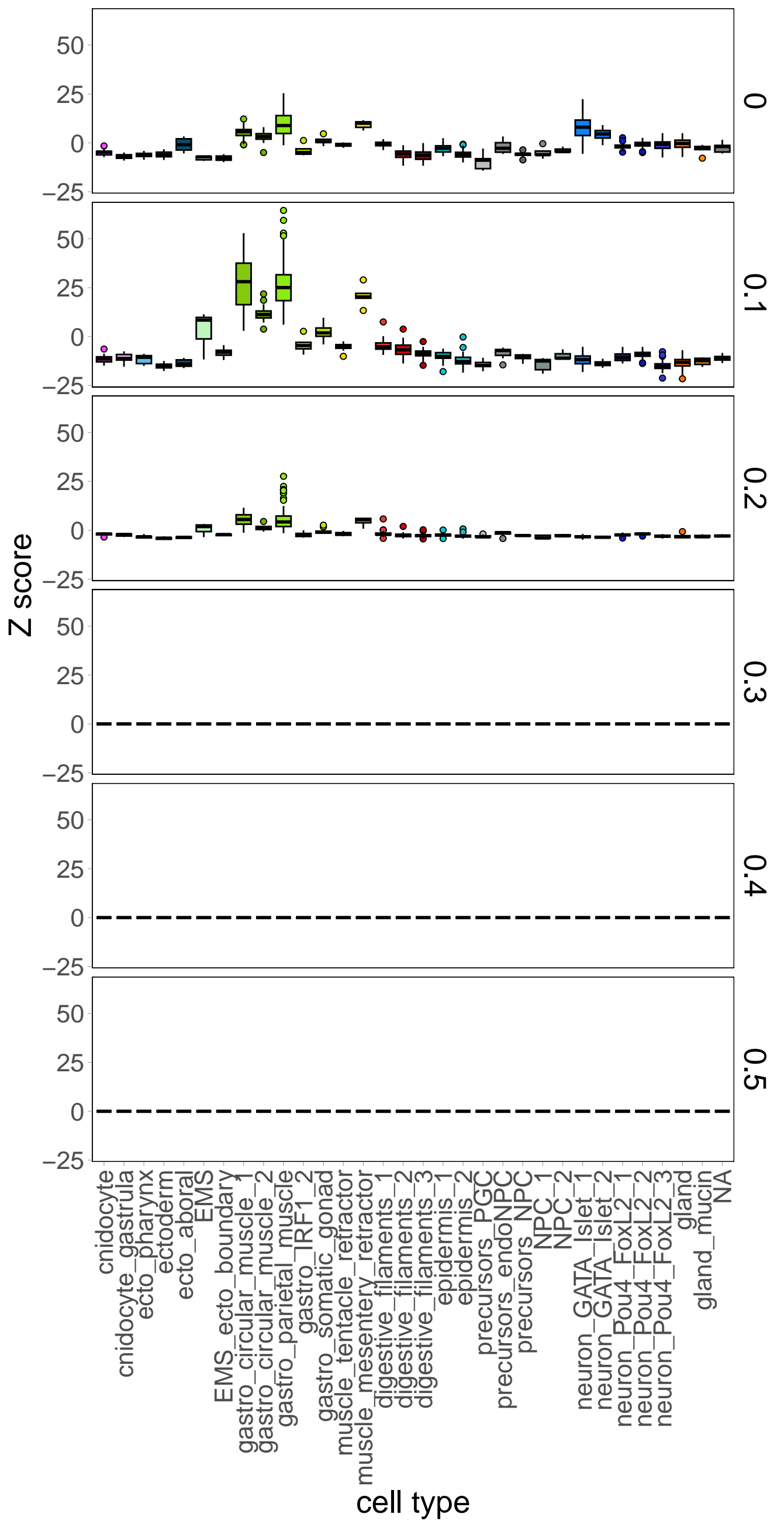
Nem7 (Nvec\_vc1.1\_XM\_032385185.2)



Z score

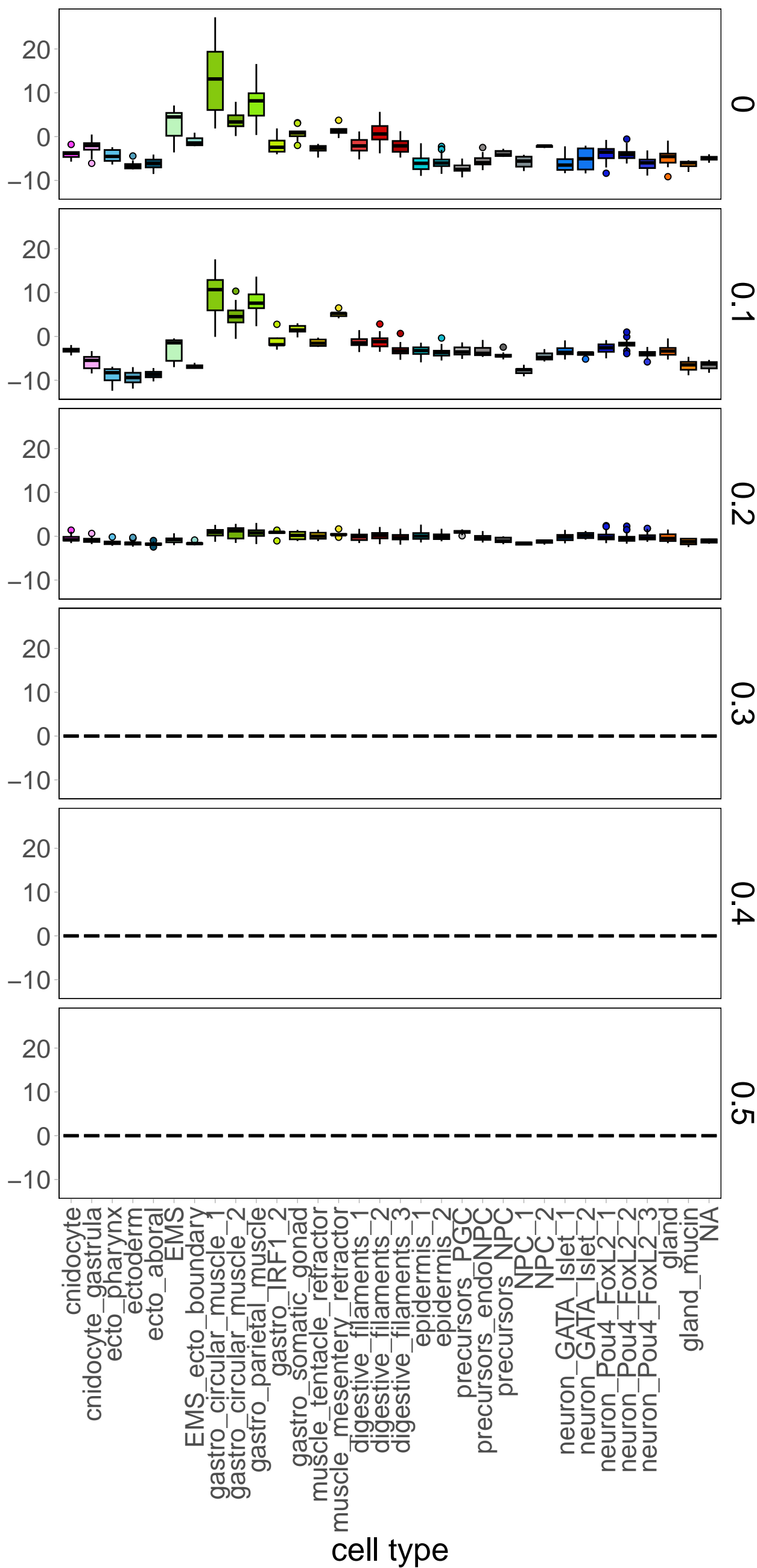


VAx-EMX-Like (Nvec\_vc1.1\_XM\_032377)

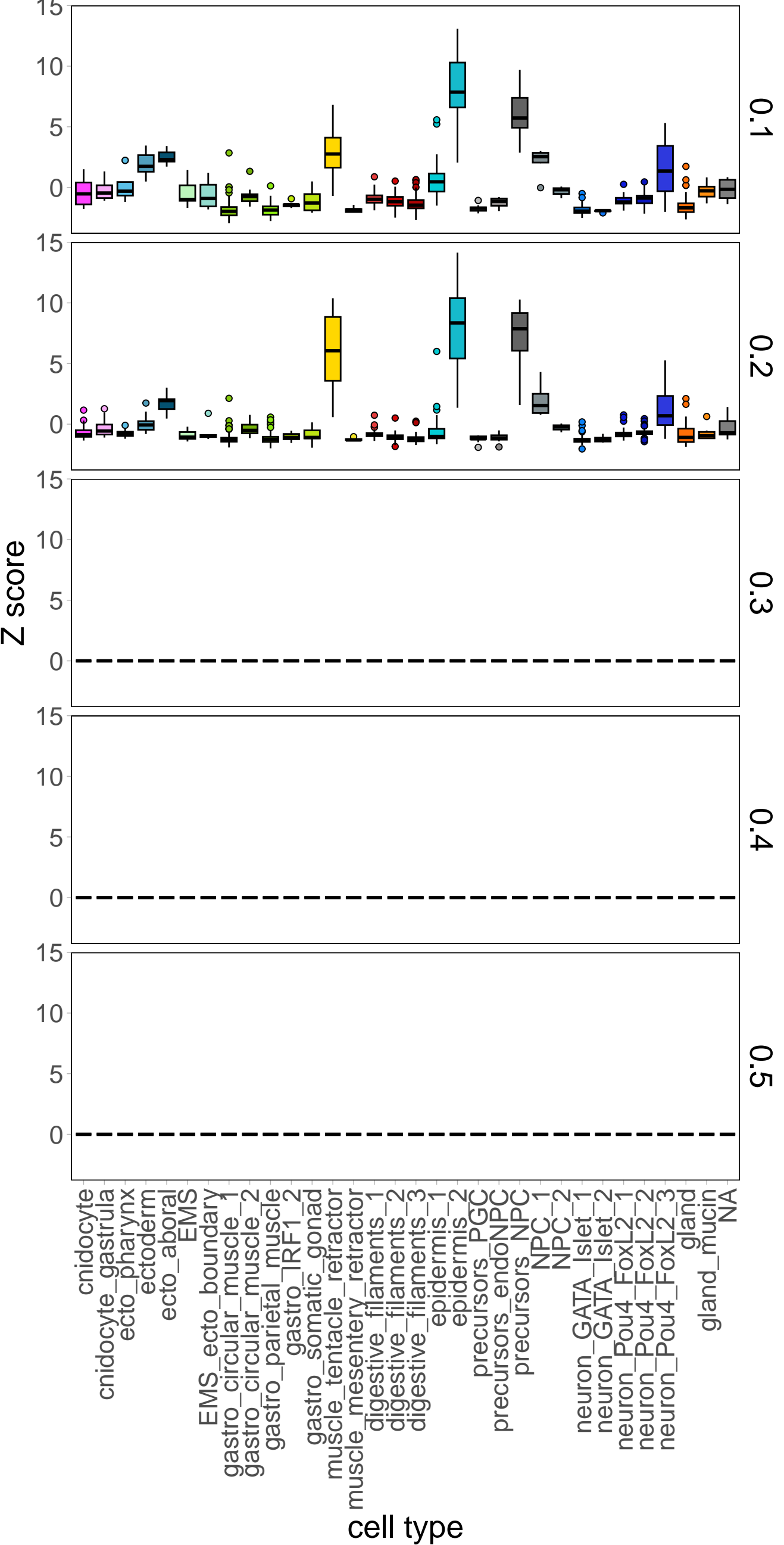


# TBX20 (Nvec\_vc1.1\_XM\_001629218.3)

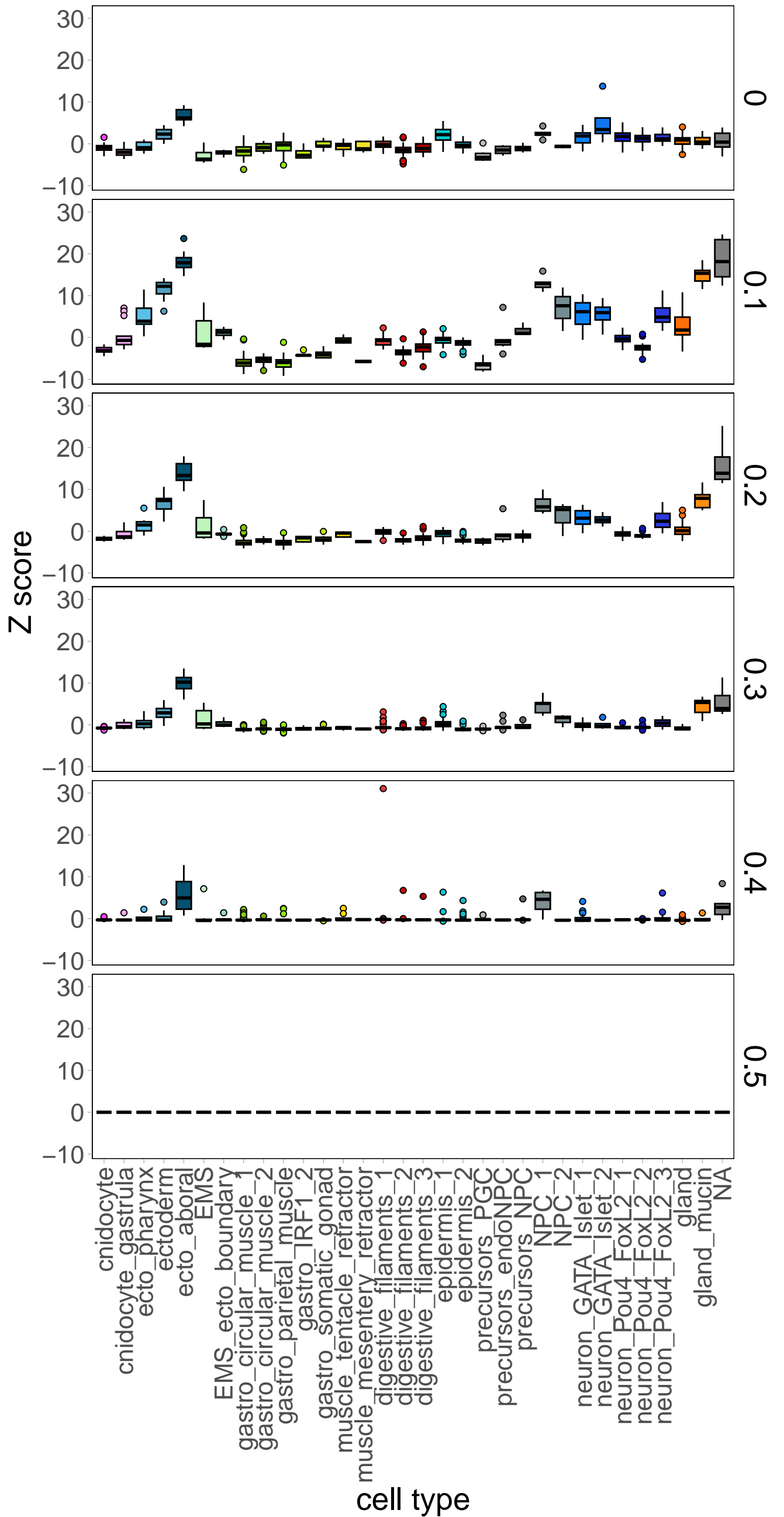
Z score



SoxB2/Sox3 (Nvec\_NVE23841)



Anthox1/Ax1 (Nvec\_vc1.1\_XM\_03236673)

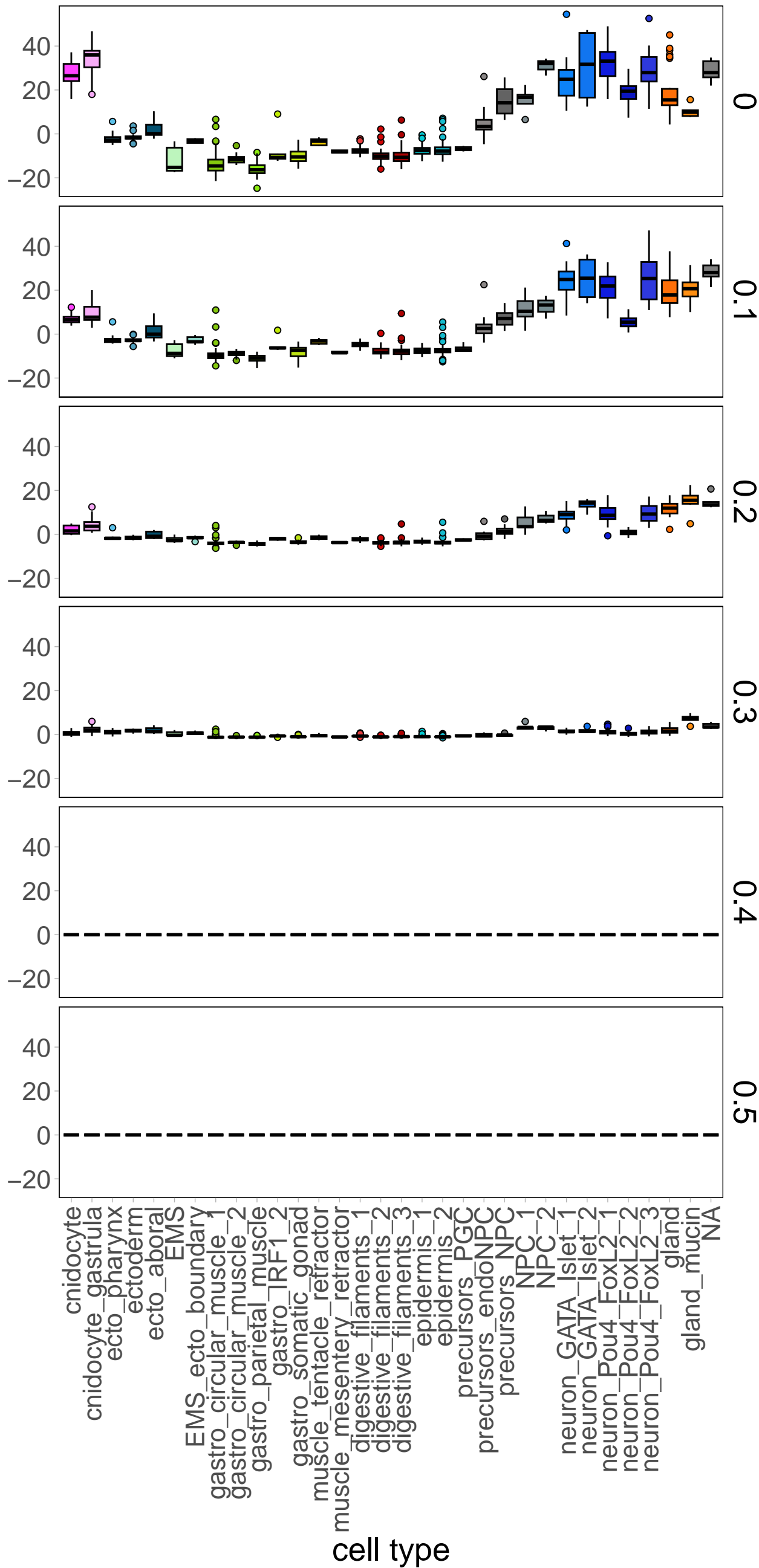




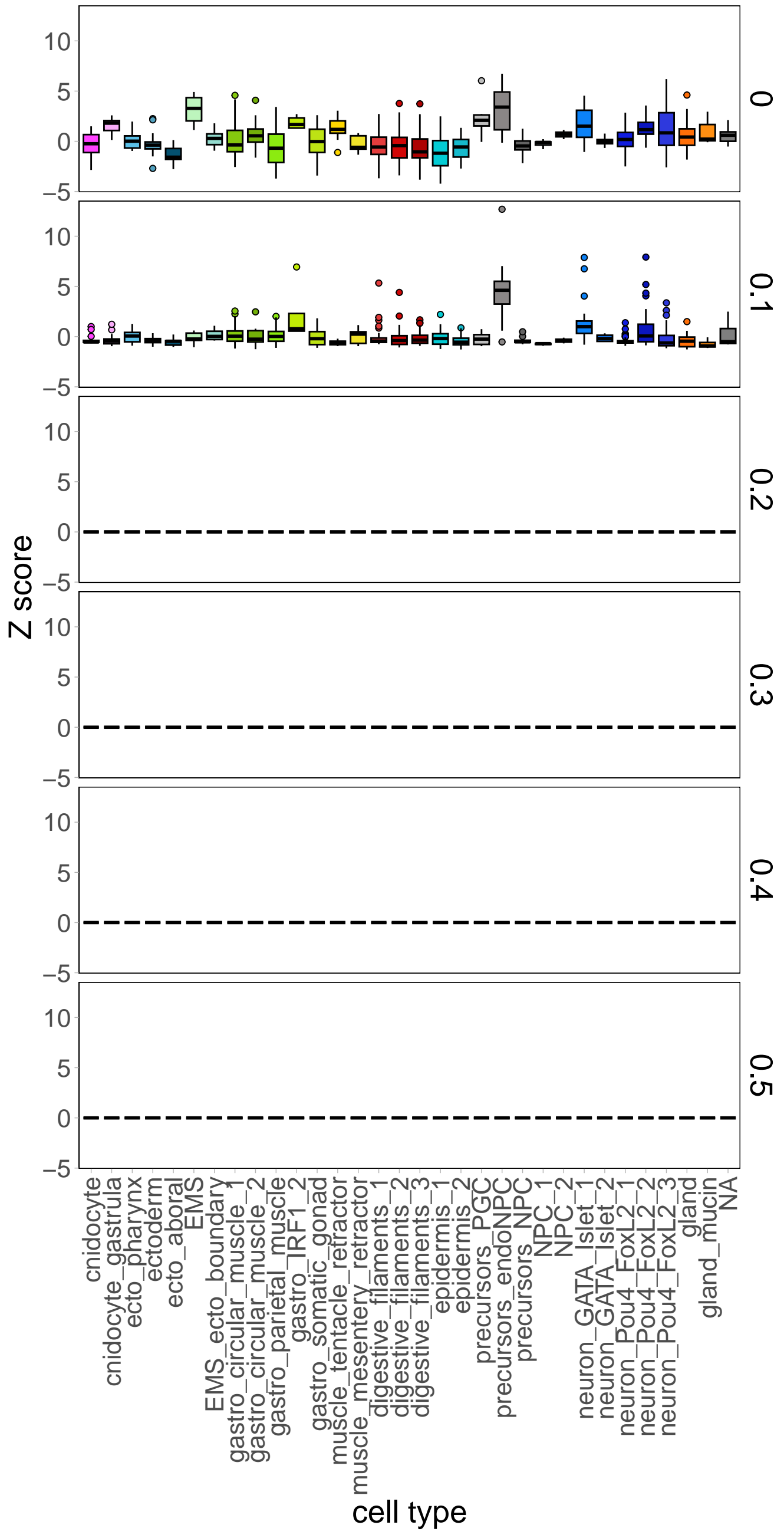


Insm1 (Nvec\_vc1.1\_XM\_032375602.2)

Z score

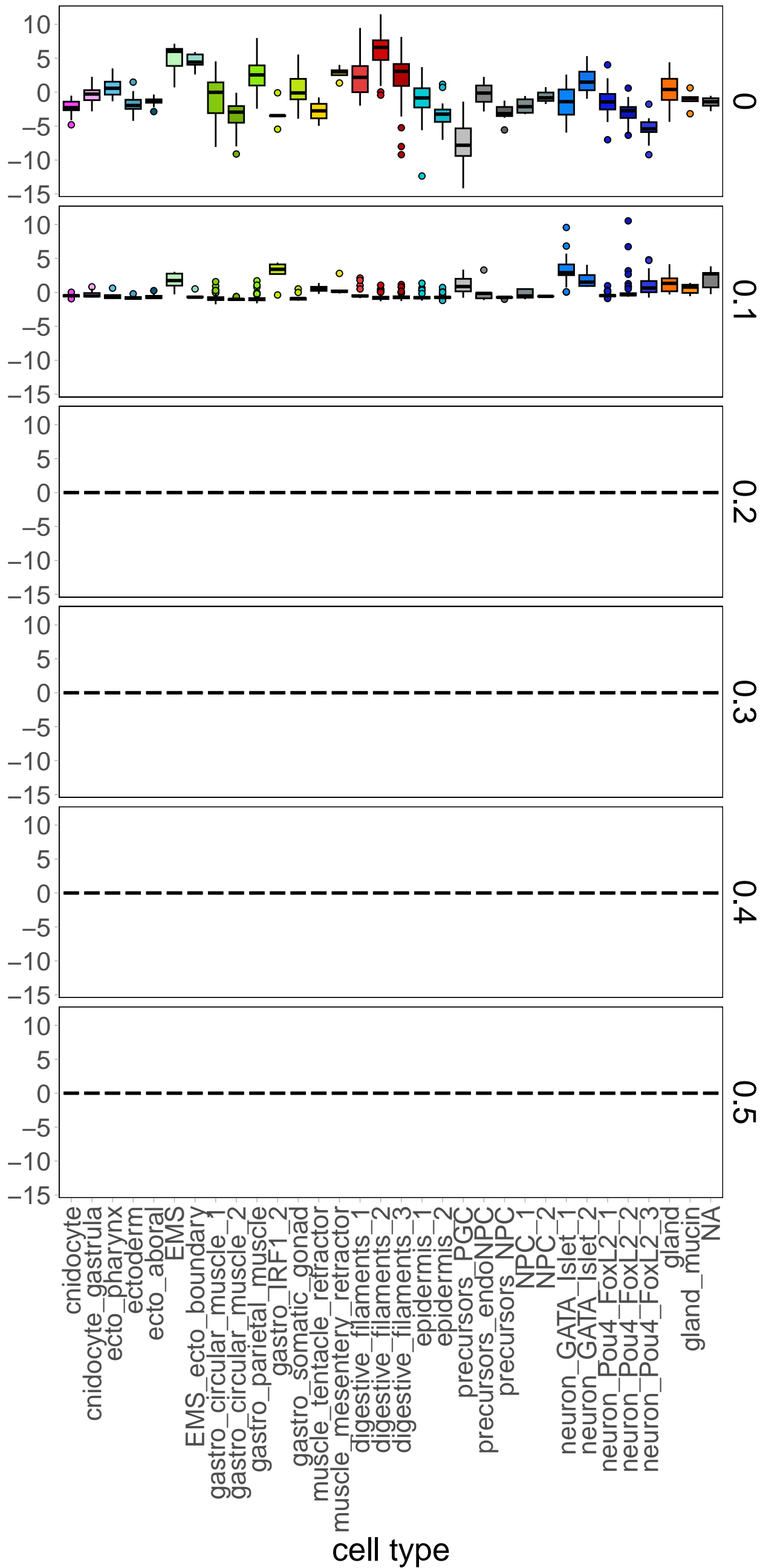


Prdm14d (Nvec\_vc1.1\_XM\_032385745.2)

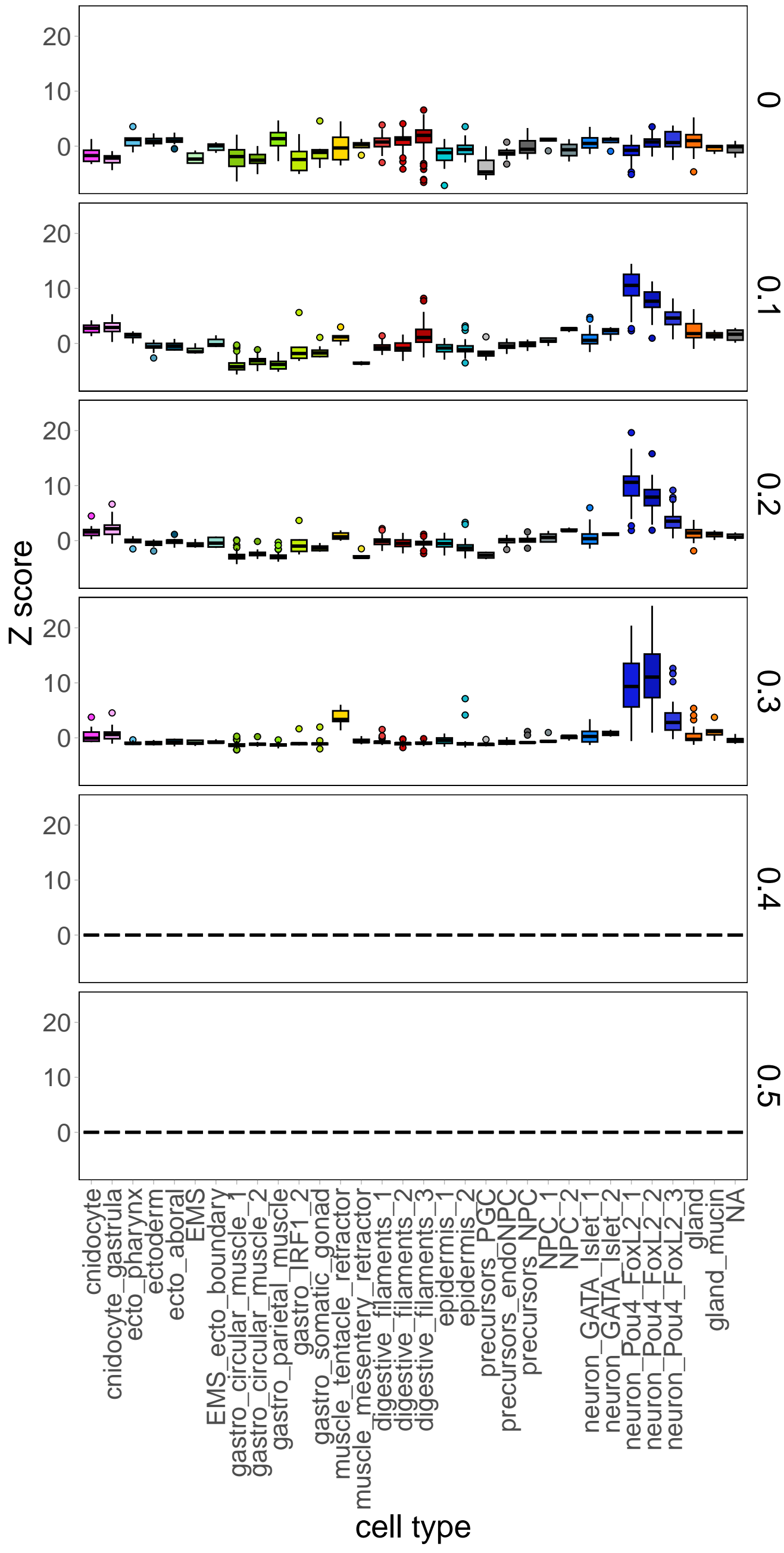


Nkx-2.2a (Nvec\_vc1.1\_XM\_032373618.2)

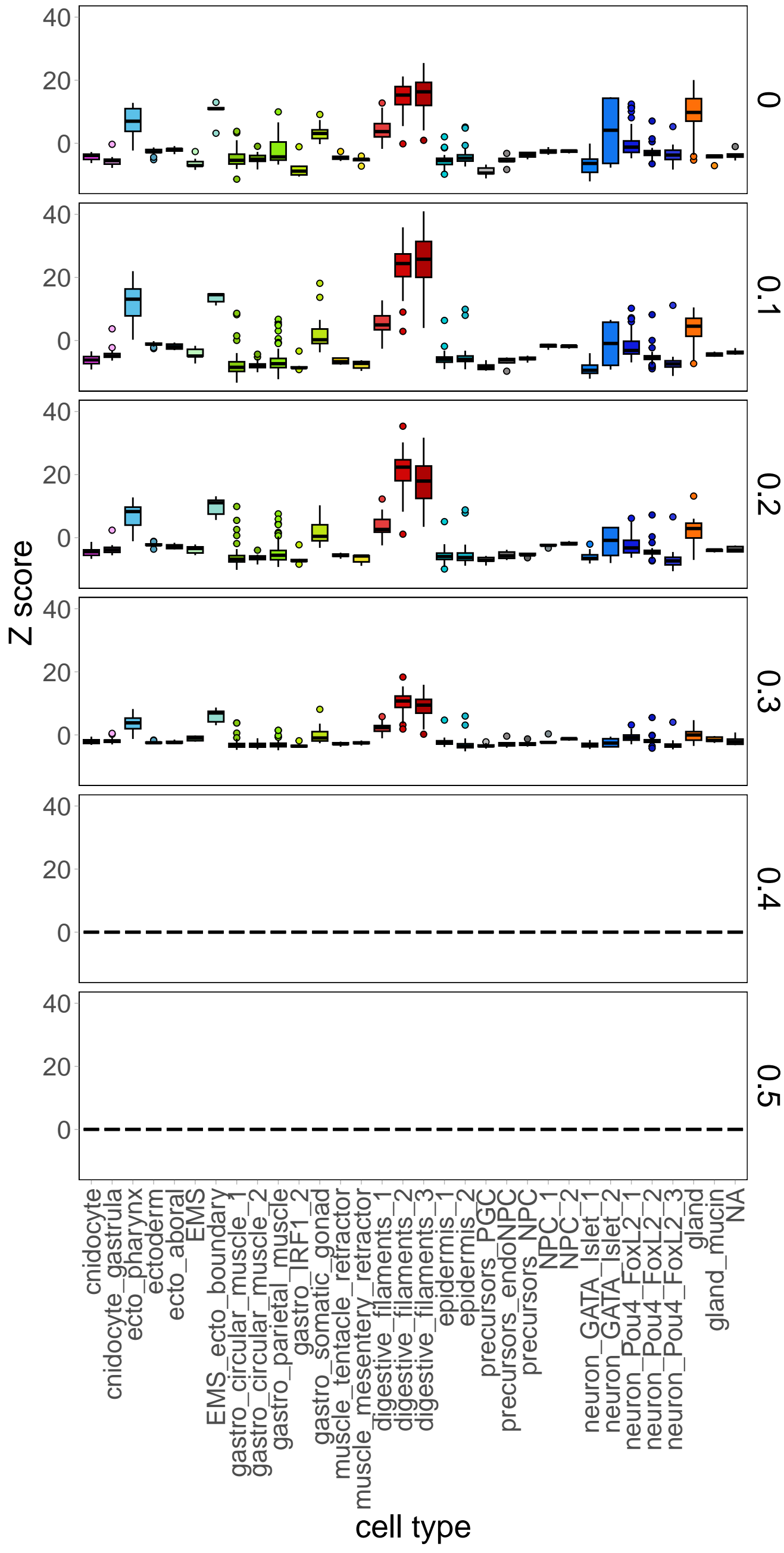
Z score



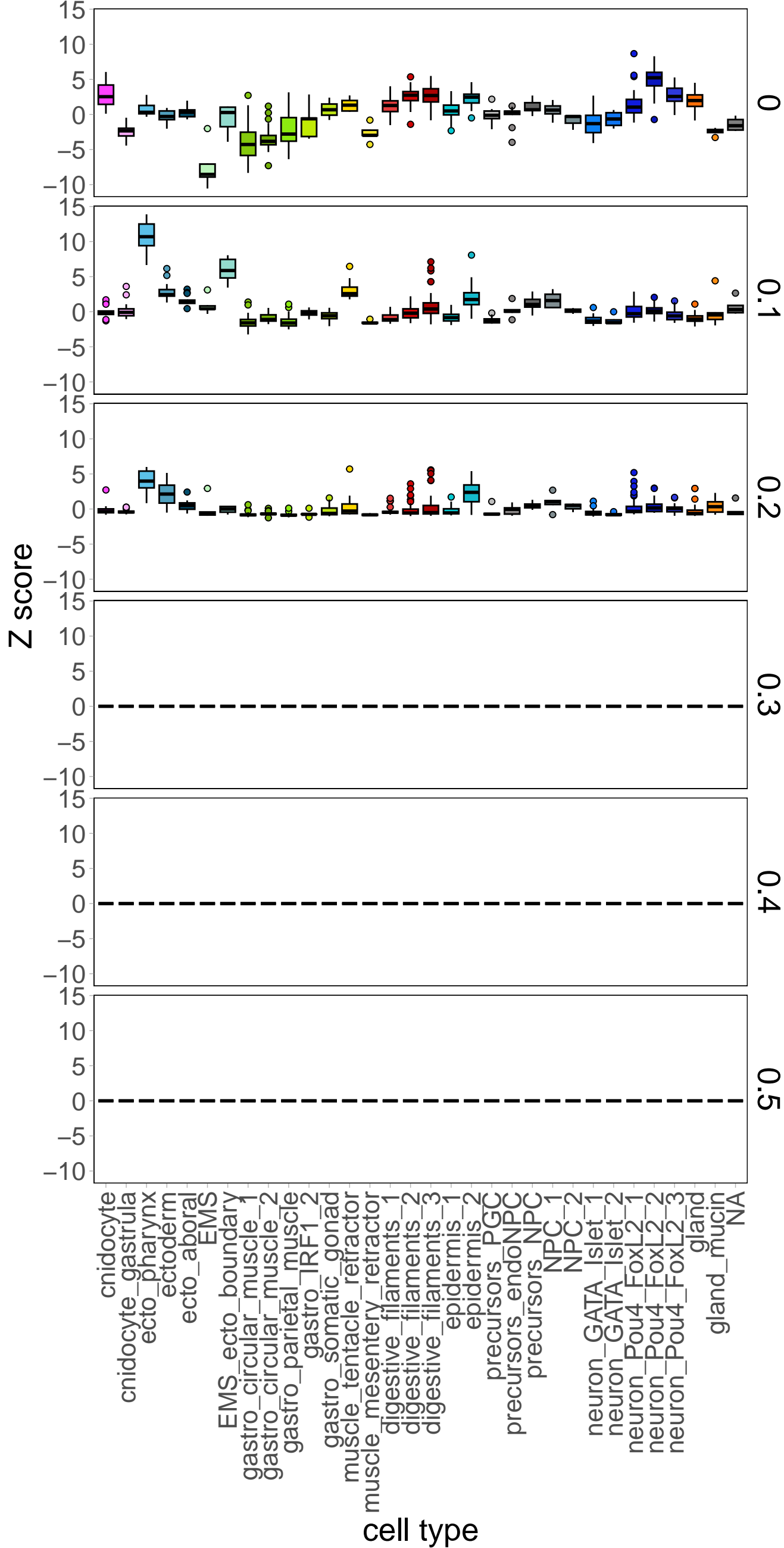
LMX (Nvec\_vc1.1\_XM\_048731137.1)



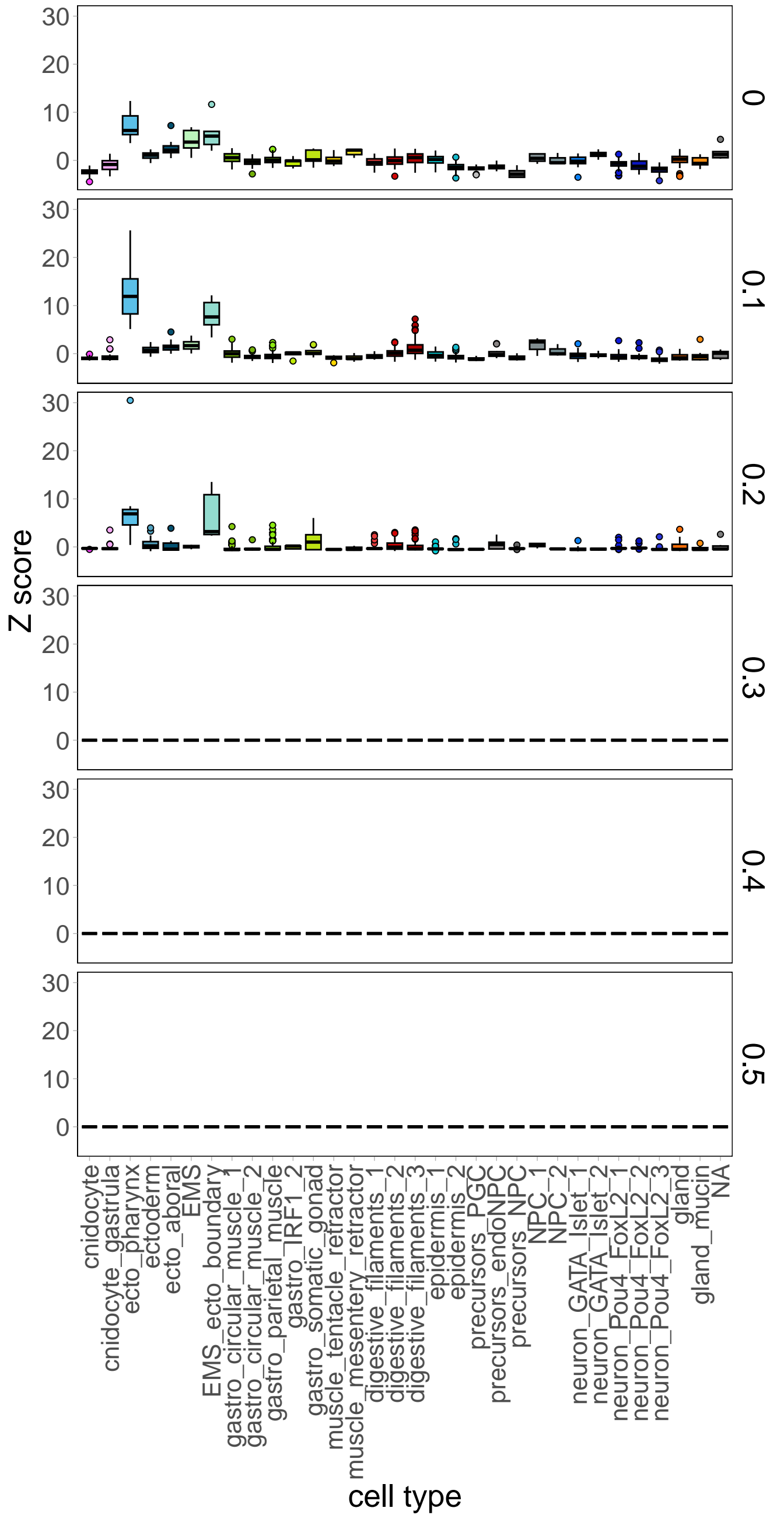
FoxA (Nvec\_vc1.1\_XM\_001634505.3)



FoxB (Nvec\_vc1.1\_XM\_048728028.1)

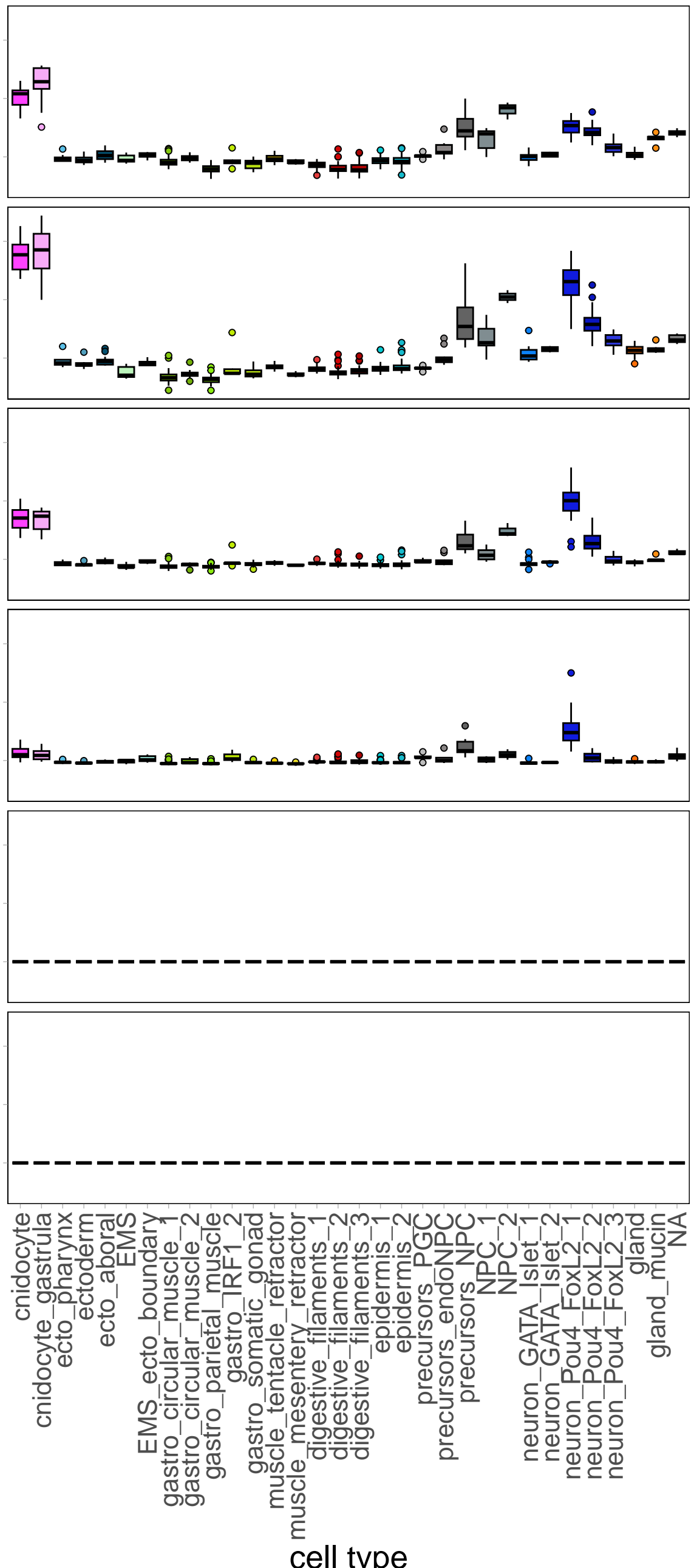


Brachyury (Nvec\_vc1.1\_XM\_032378021.2)



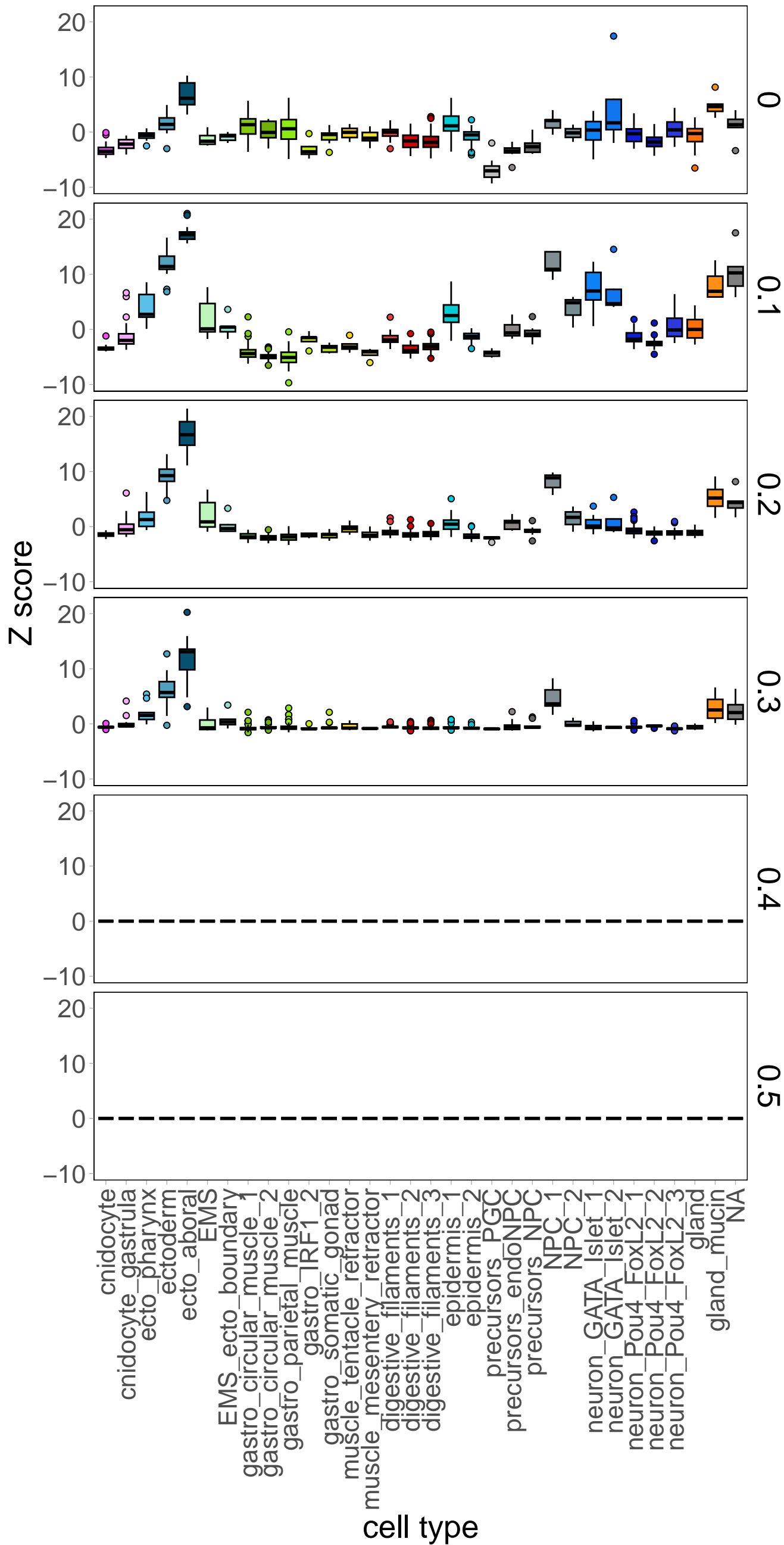
Sp6-9 (Nvec\_vc1.1\_XM\_032384420.2)

Z score

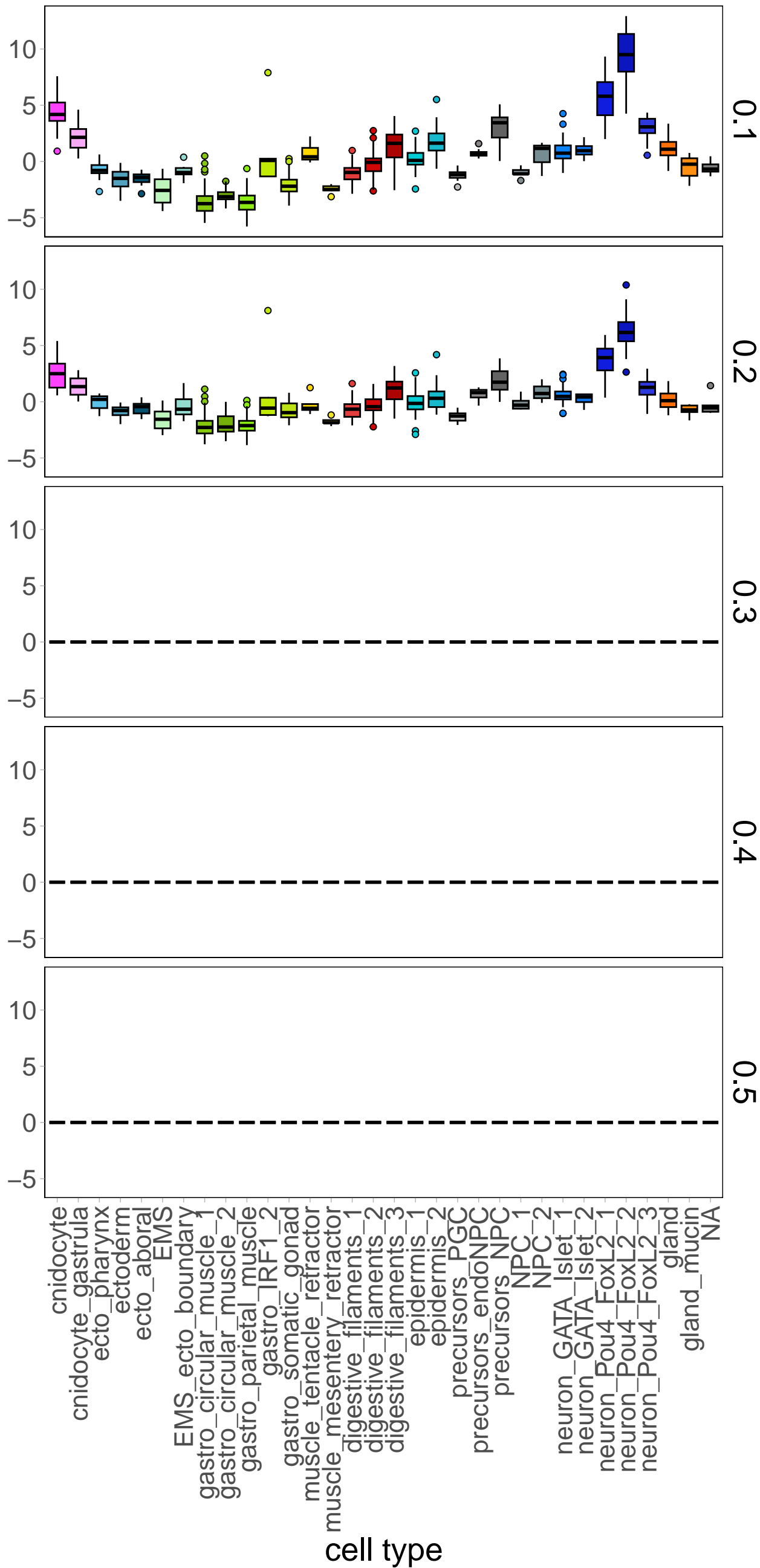




Six3/6 (Nvec\_vc1.1\_XM\_001625109.3)



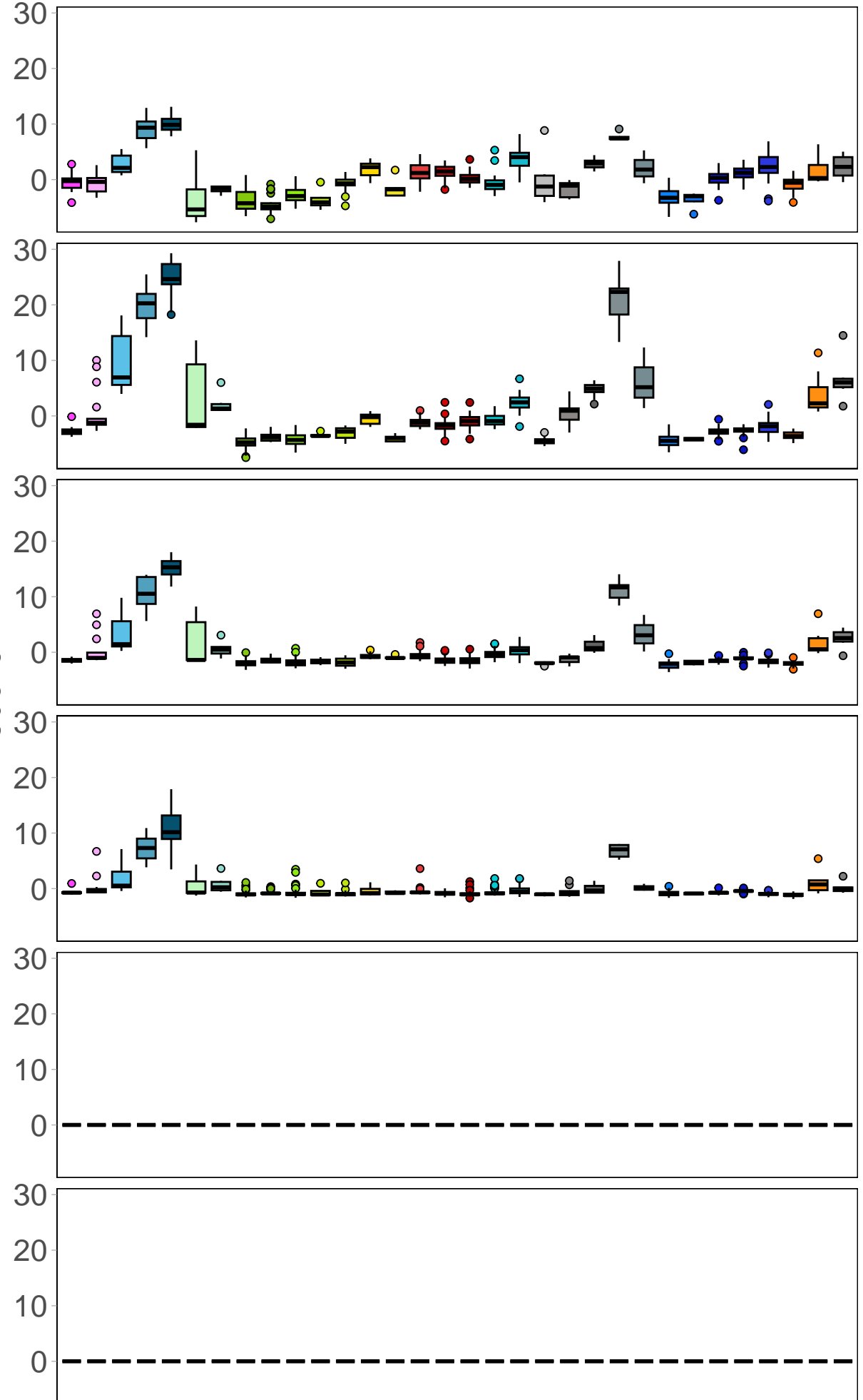
Z score



# FoxQ2a (Nvec\_vc1.1\_XM\_032386947.2)

Z score

0  
0.1  
0.2  
0.3  
0.4  
0.5



cell type

Tbx1/10-1 (Nvec\_vc1.1\_XM\_032374843.2

Z score

0

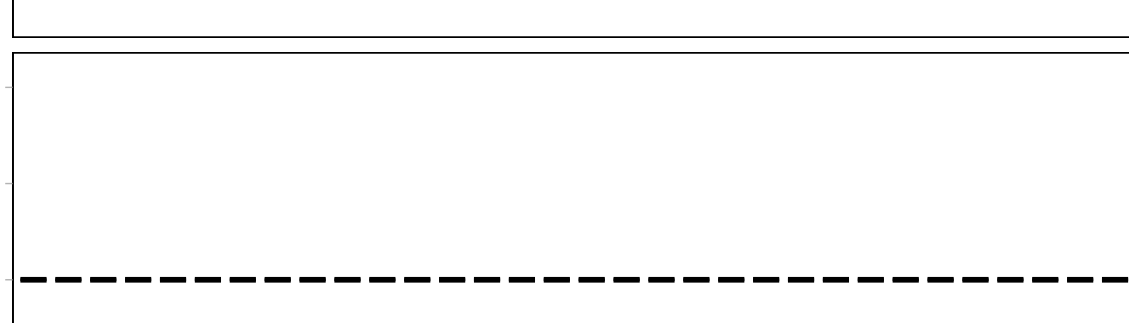
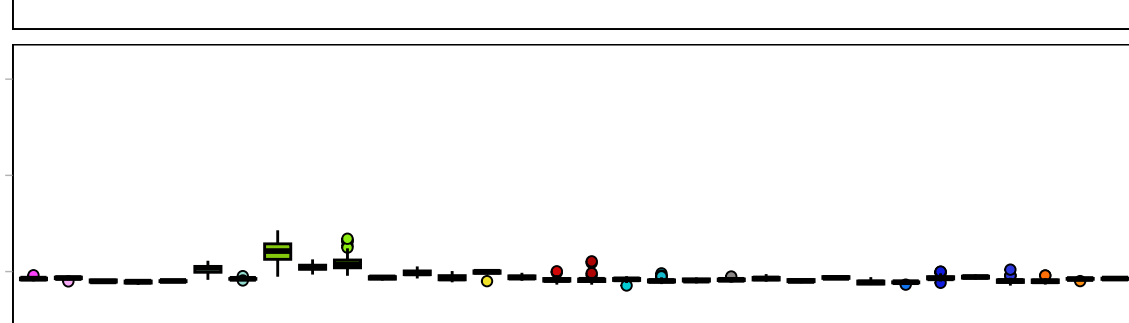
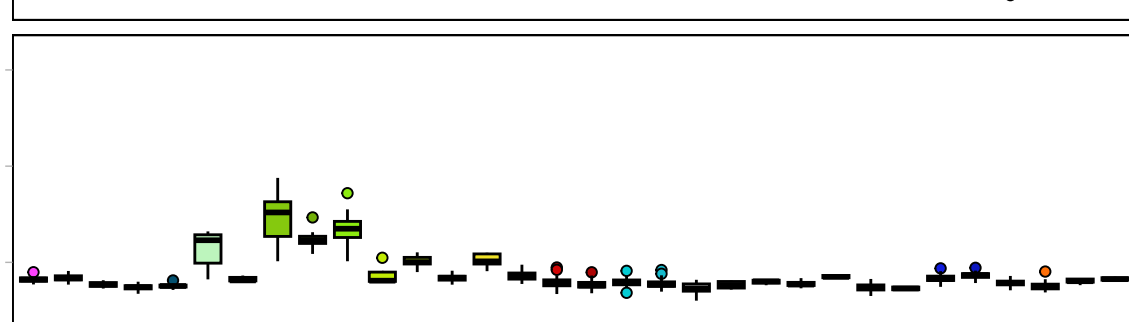
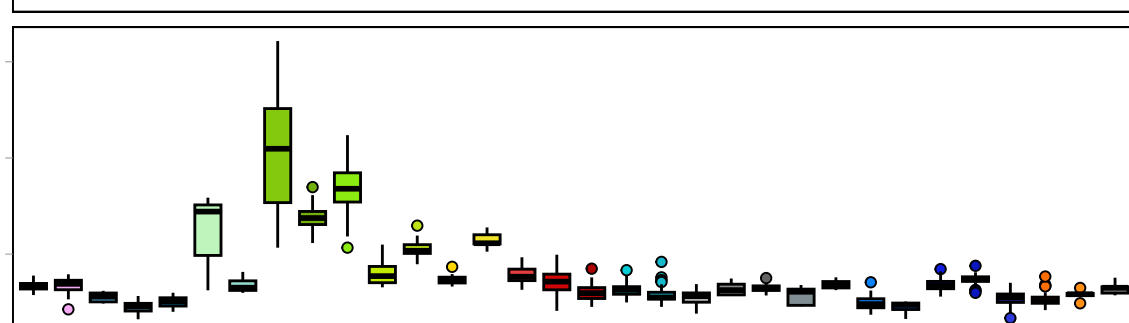
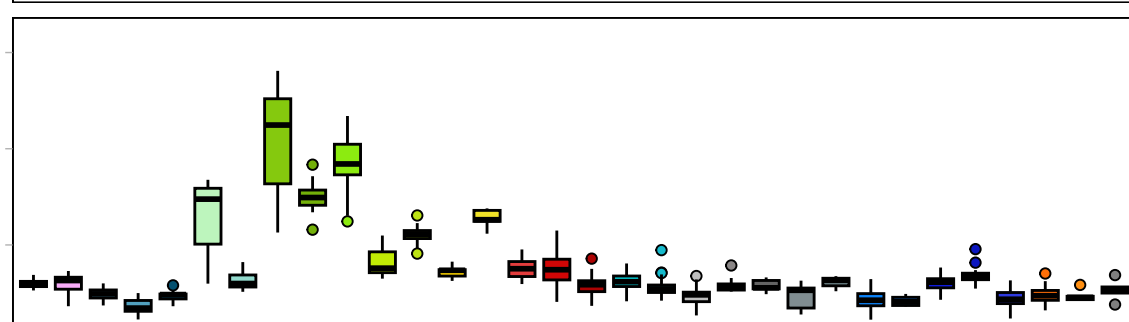
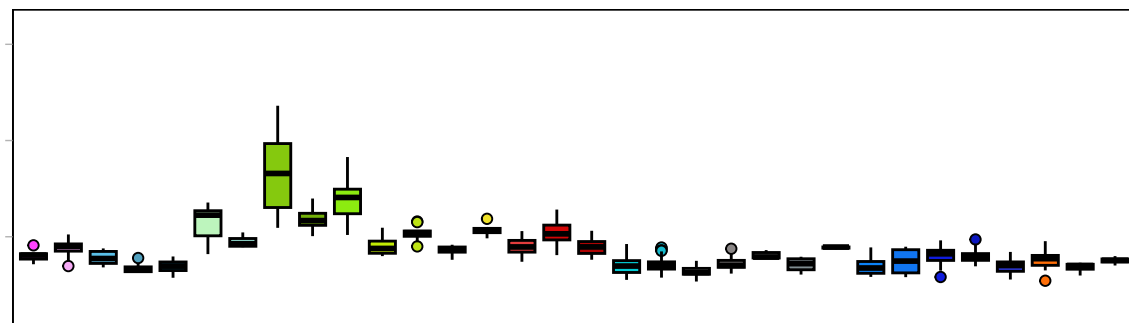
0.1

0.2

0.3

0.4

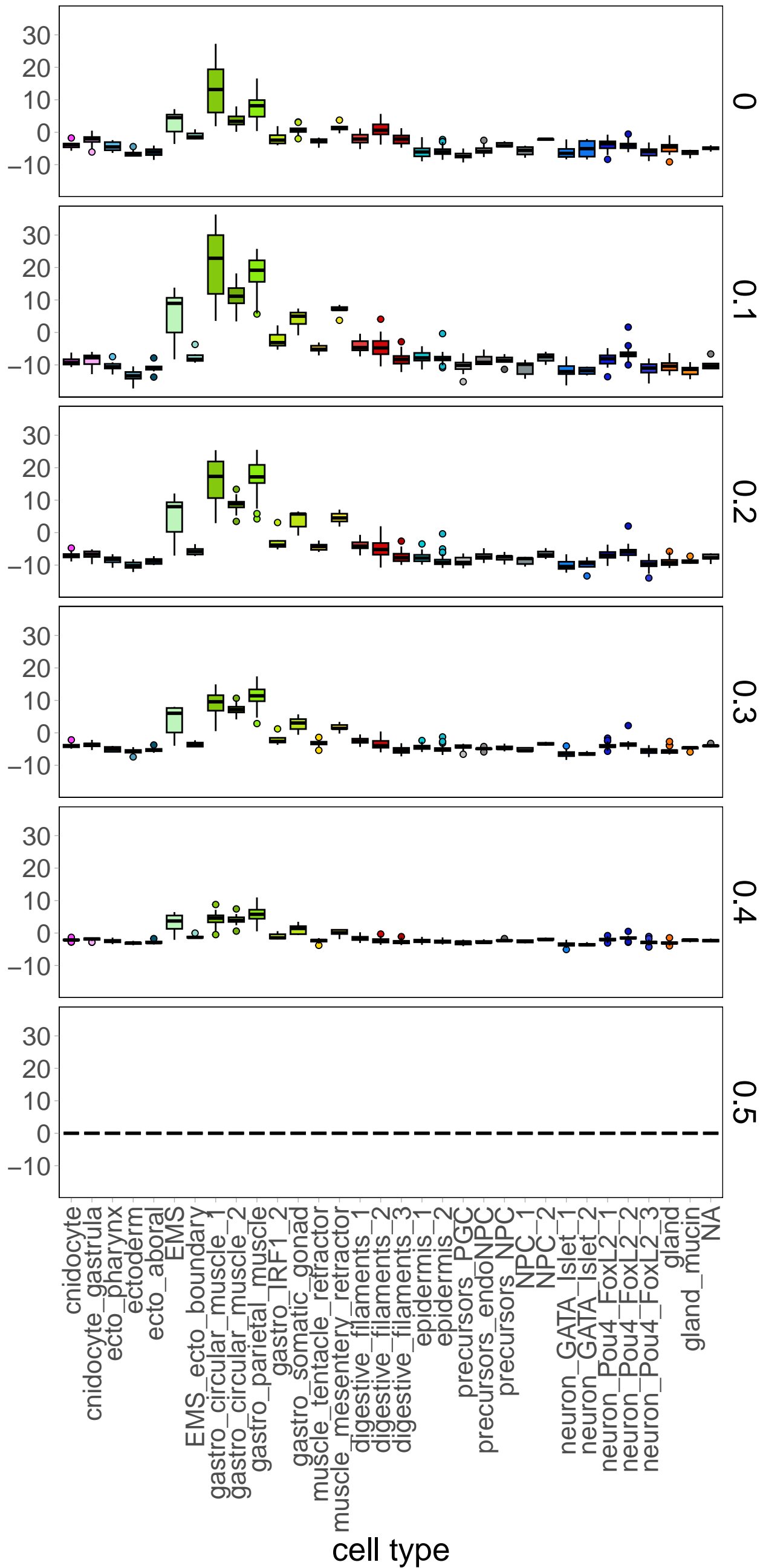
0.5



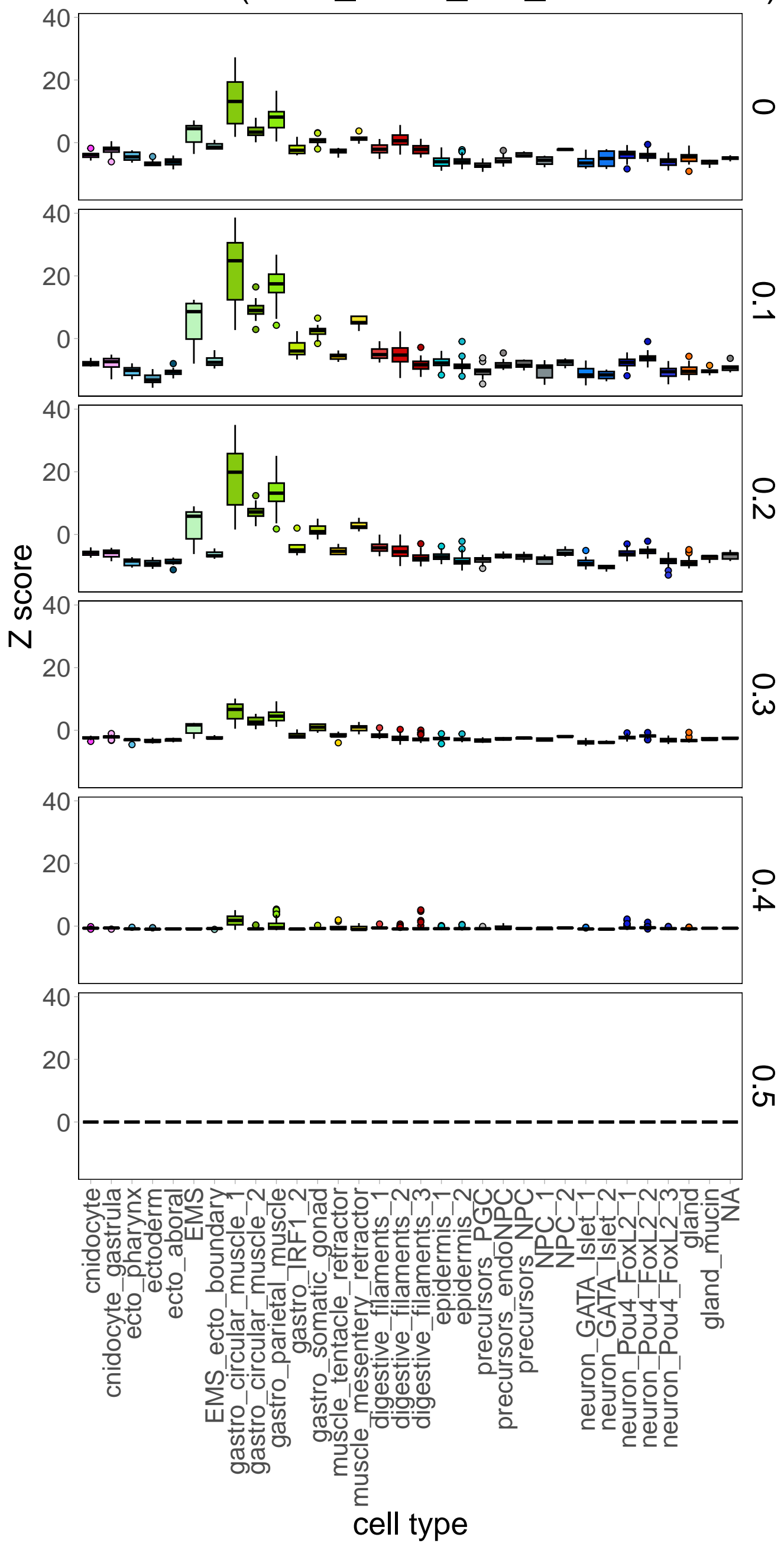
cell type

cnidocyte  
cnidocyte\_gastrula  
ecto\_pharynx  
ectoderm  
ecto\_aboral  
EMS  
EMS\_ecto\_boundary  
gastro\_circular\_muscle\_1  
gastro\_circular\_muscle\_2  
gastro\_parietal\_muscle  
gastro\_IRF1\_2  
gastro\_somatic\_gonad  
muscle\_tentacle\_retractor  
muscle\_mesentery\_retractor  
digestive\_filaments\_1  
digestive\_filaments\_2  
digestive\_filaments\_3  
epidermis\_1  
epidermis\_2  
precursors\_PGC  
precursors\_endoNPC  
precursors\_NPC  
NPC\_1  
NPC\_2  
neuron\_GATA\_Islet\_1  
neuron\_GATA\_Islet\_2  
neuron\_Pou4\_FoxL2\_1  
neuron\_Pou4\_FoxL2\_2  
neuron\_Pou4\_FoxL2\_3  
gland  
gland\_mucin  
NA

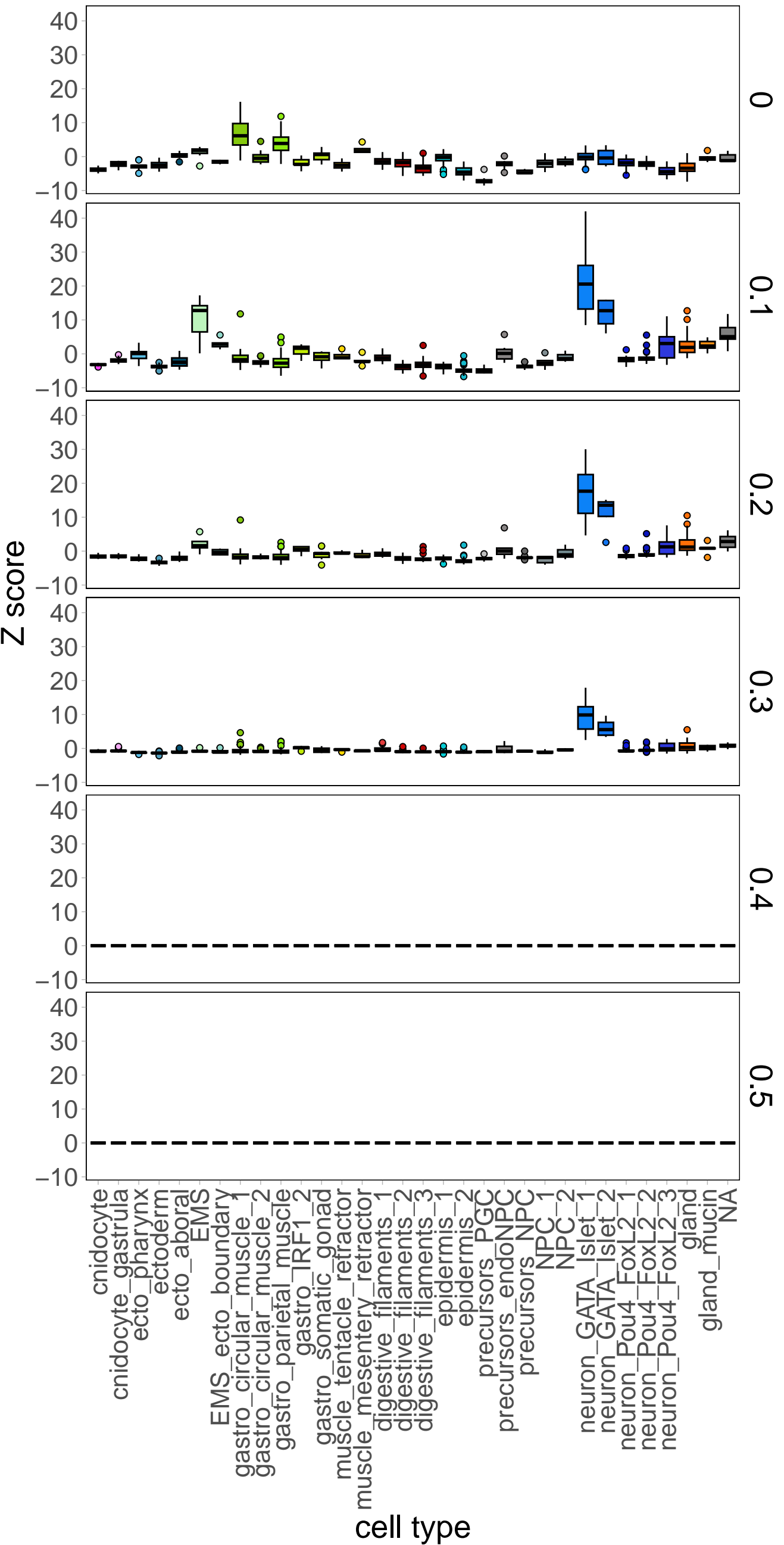
Z score



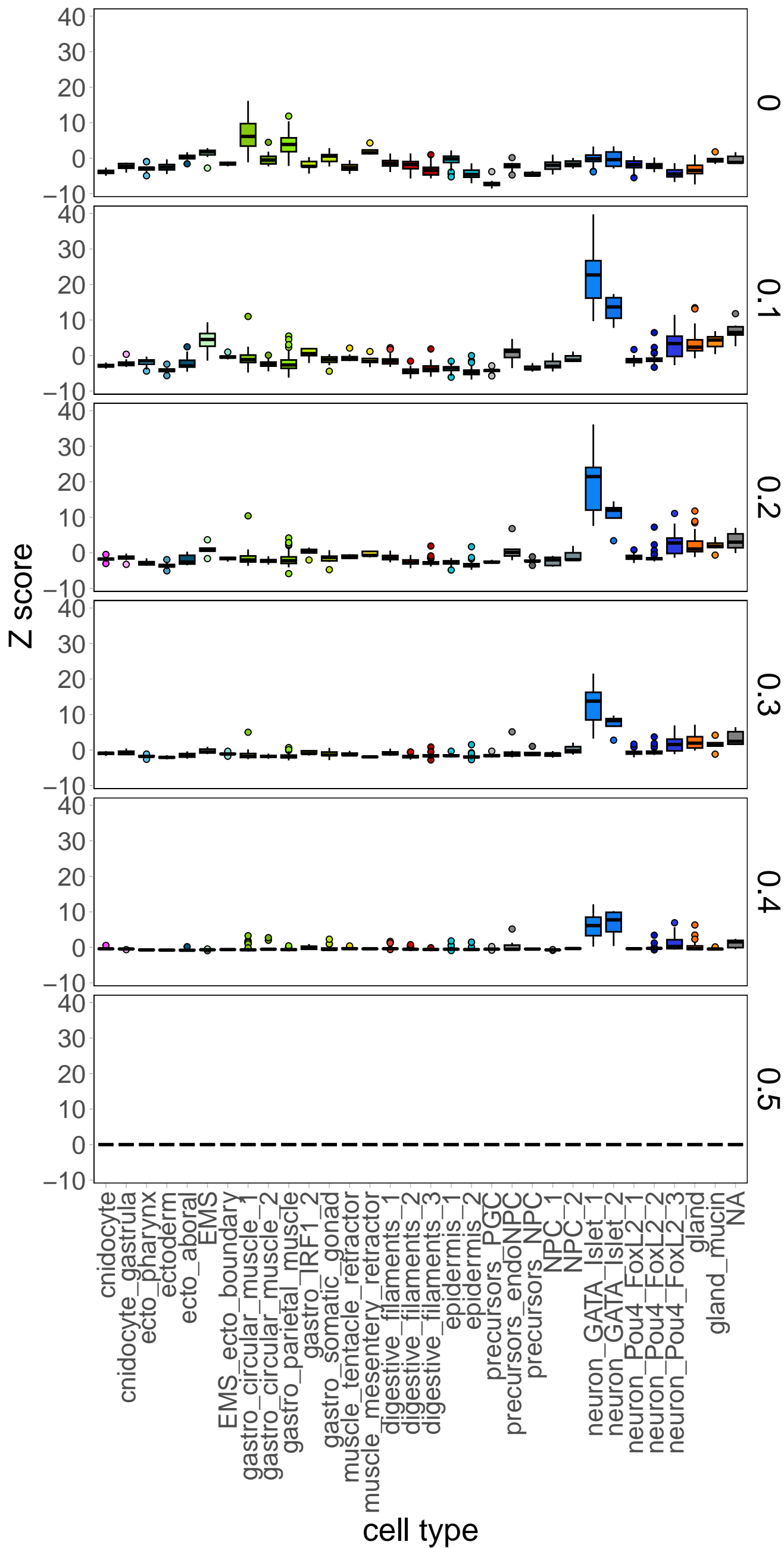
# Tbx20-1 (Nvec\_vc1.1\_XM\_032377450.2)



OtxB (Nvec\_vc1.1\_XM\_032375635.2)



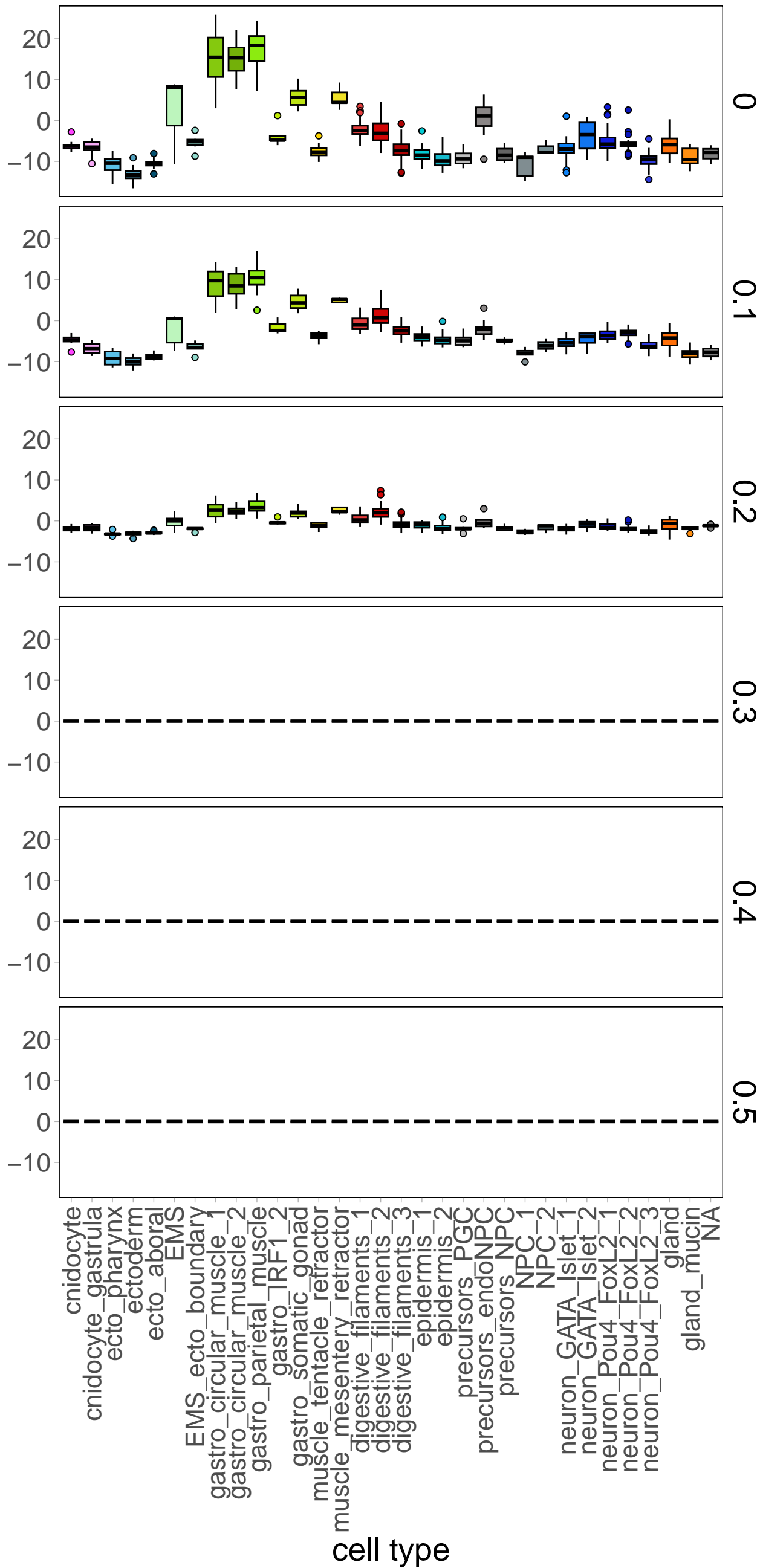
OtxC (Nvec\_vc1.1\_XM\_001647471.3)



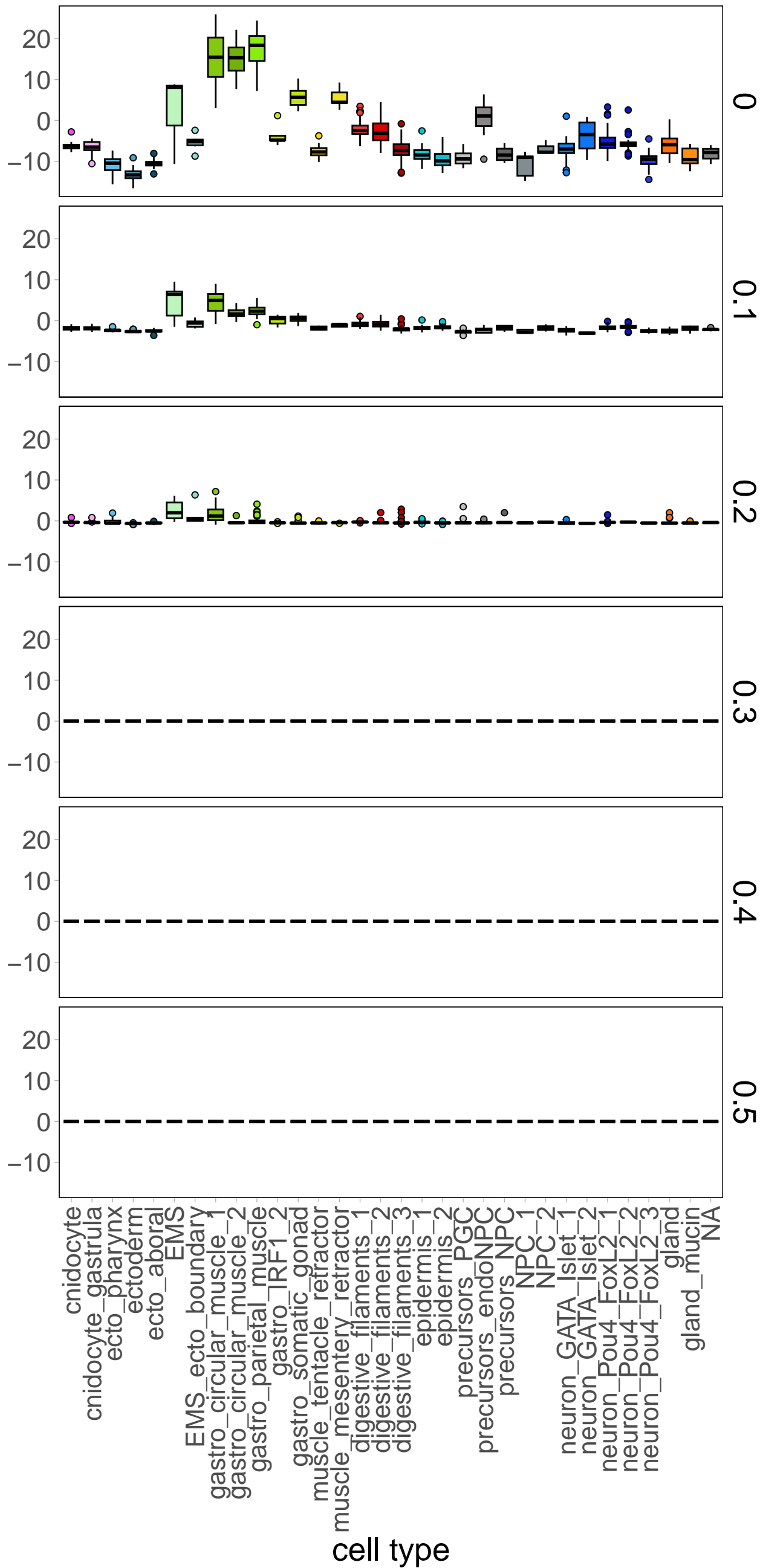


Lbx (Nvec\_vc1.1\_XM\_001634715.3)

Z score

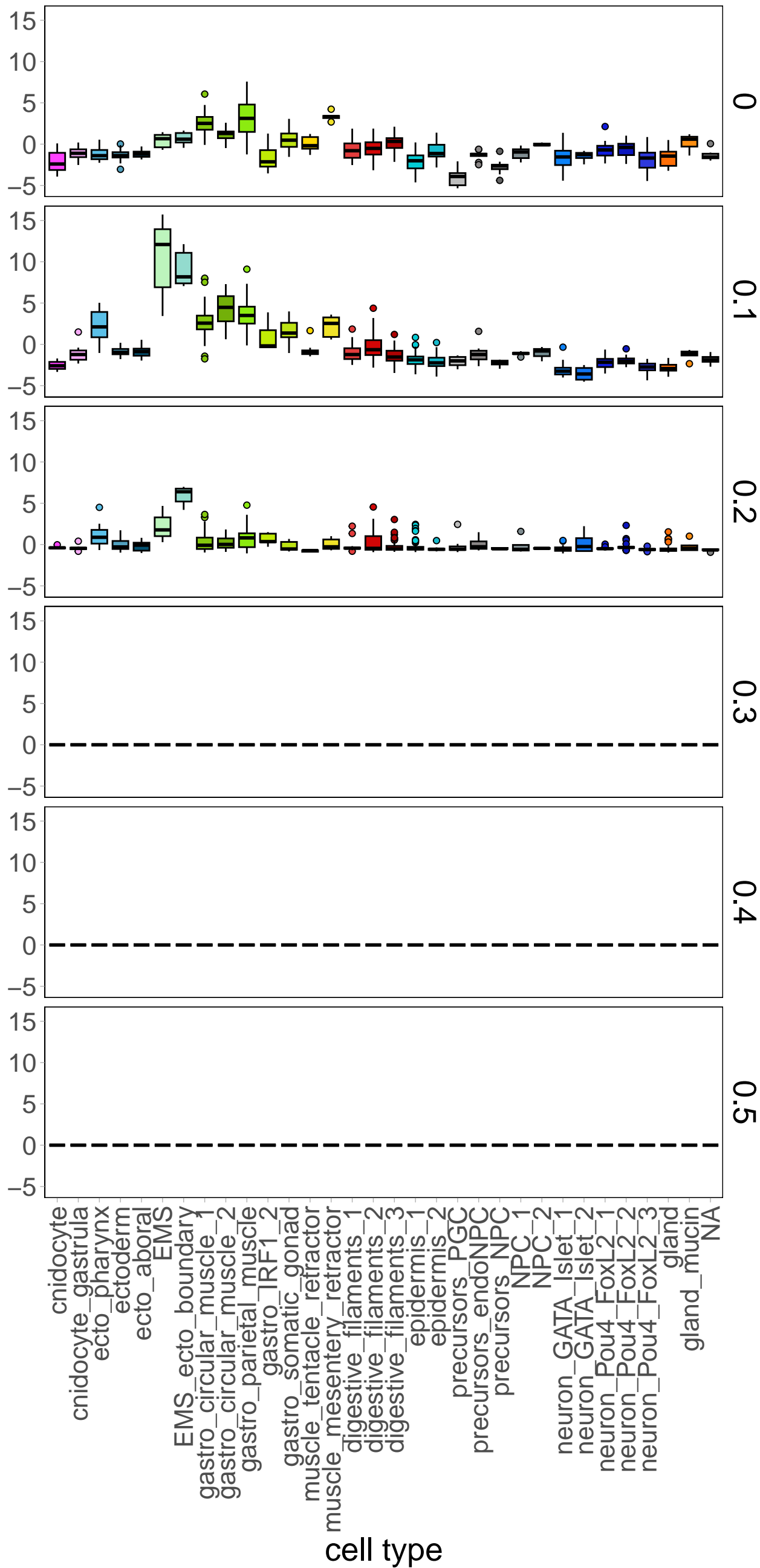


Z score



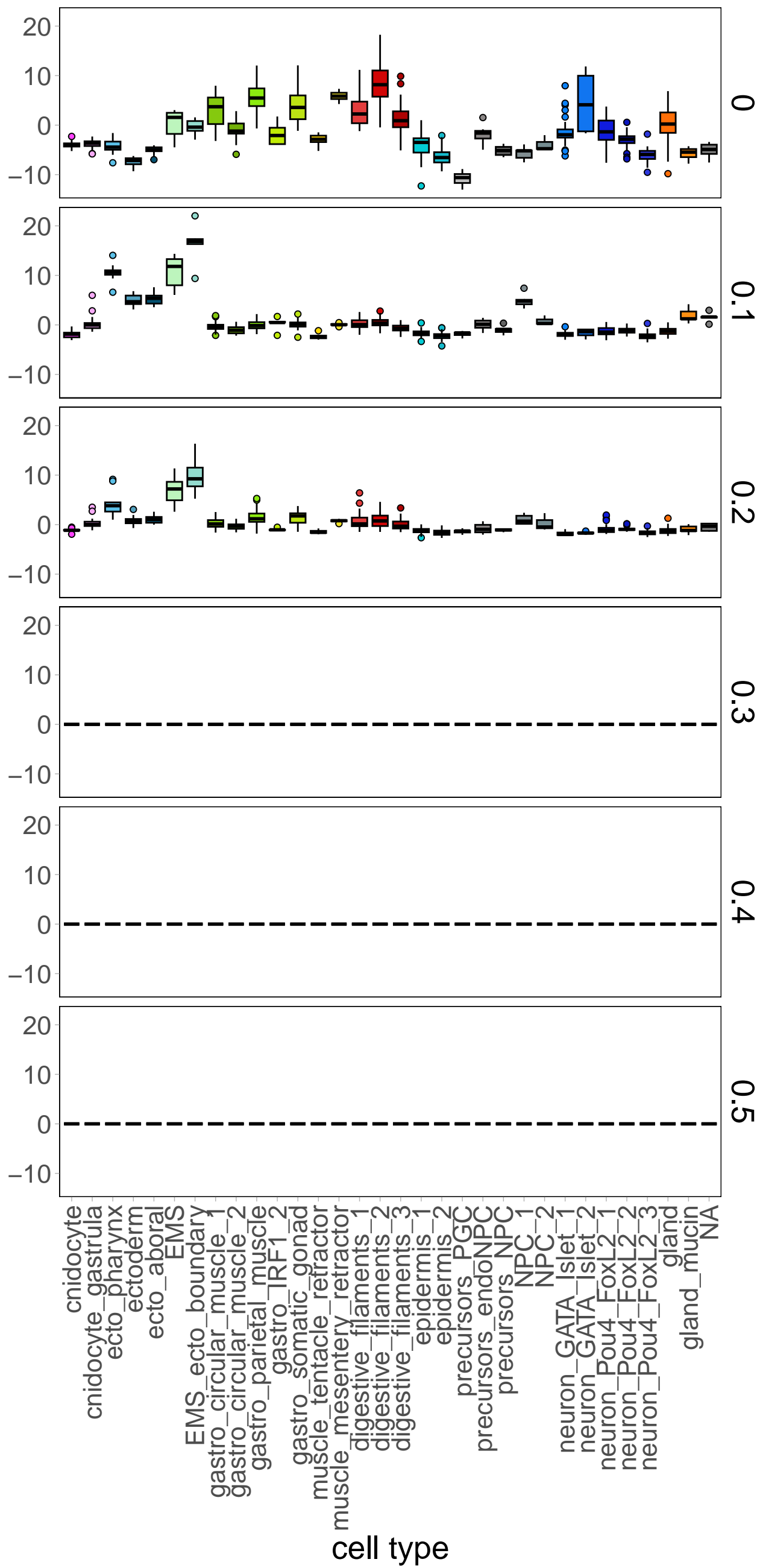
# SnailA (Nvec\_vc1.1\_XM\_032387186.2)

Z score

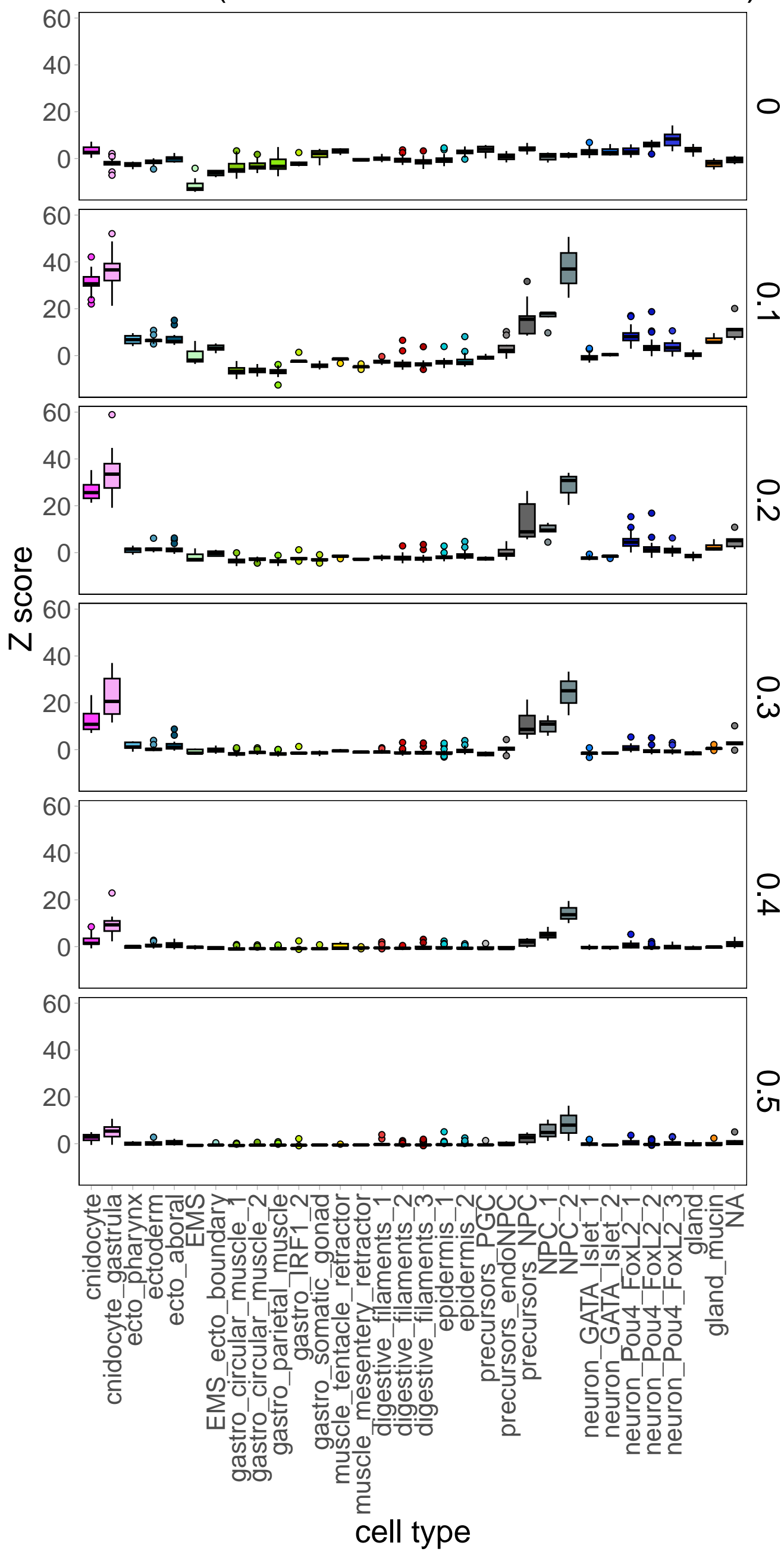


Six4/5 (Nvec\_vc1.1\_XM\_001623084.3)

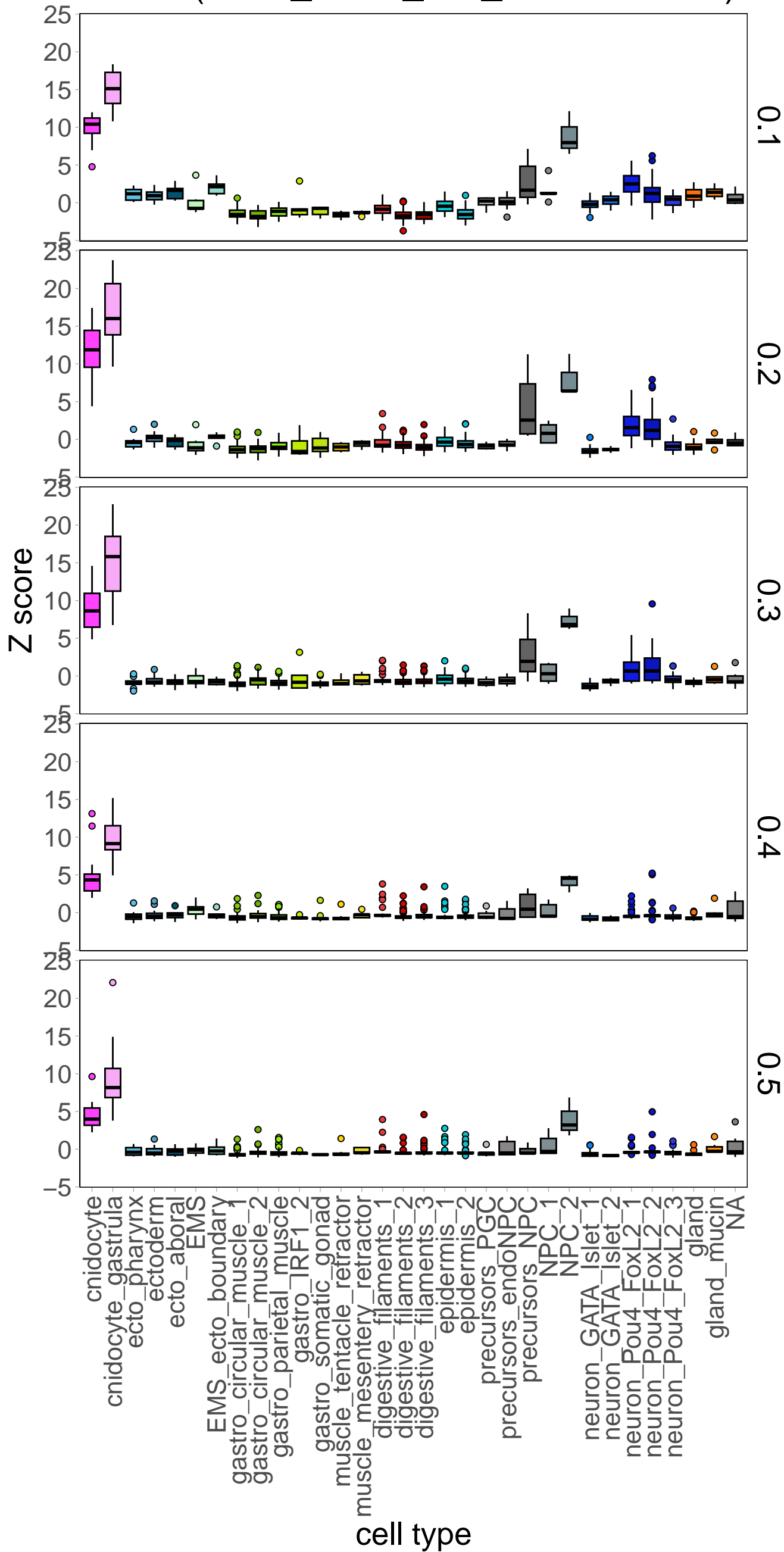
Z score



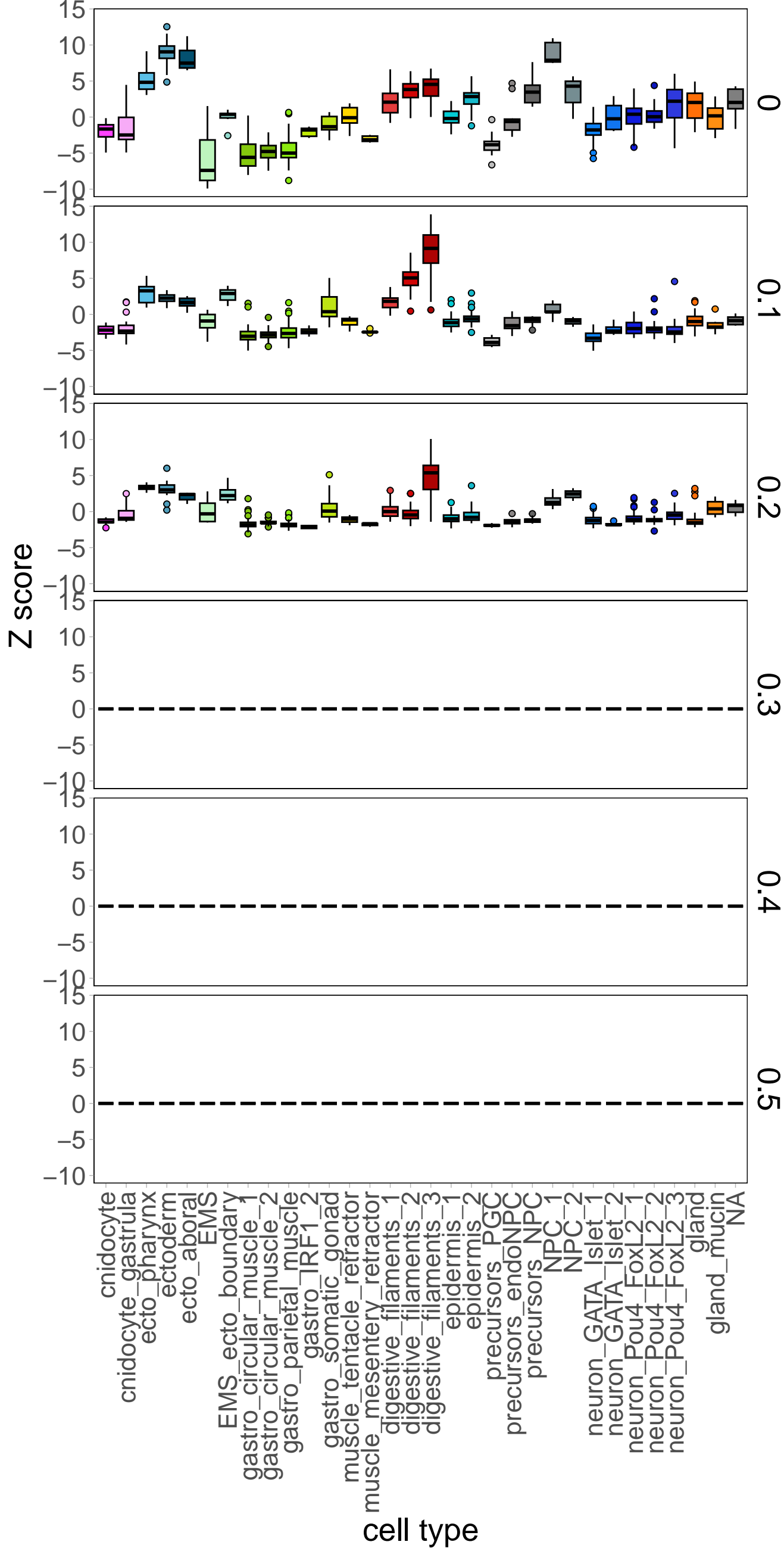
## FoxA/D (Nvec\_vc1.1\_XM\_032387167.2)



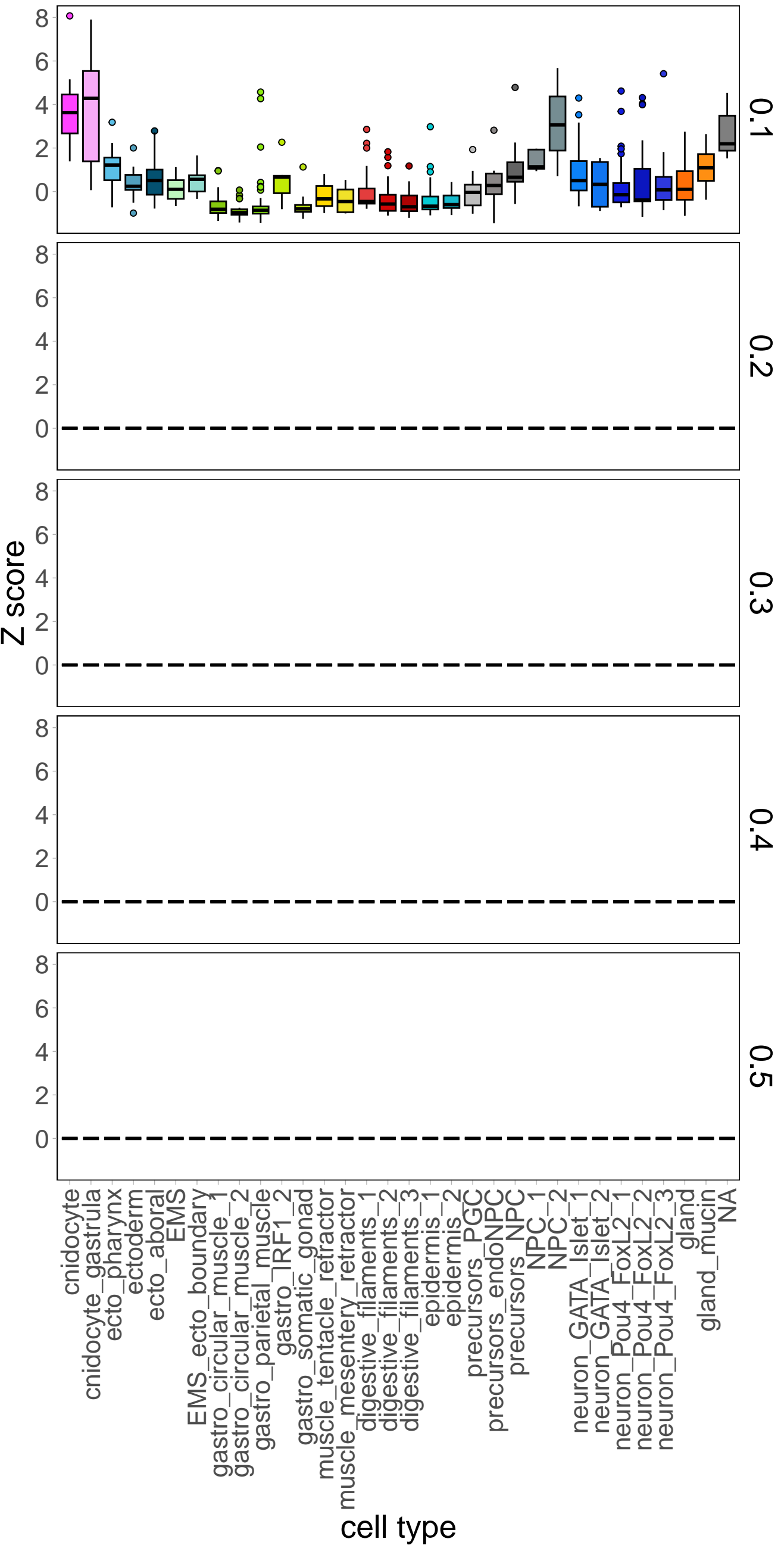
TEAD (Nvec\_vc1.1\_XM\_032364331.2)



NvSox1 (Nvec\_vc1.1\_XM\_001624716.3)

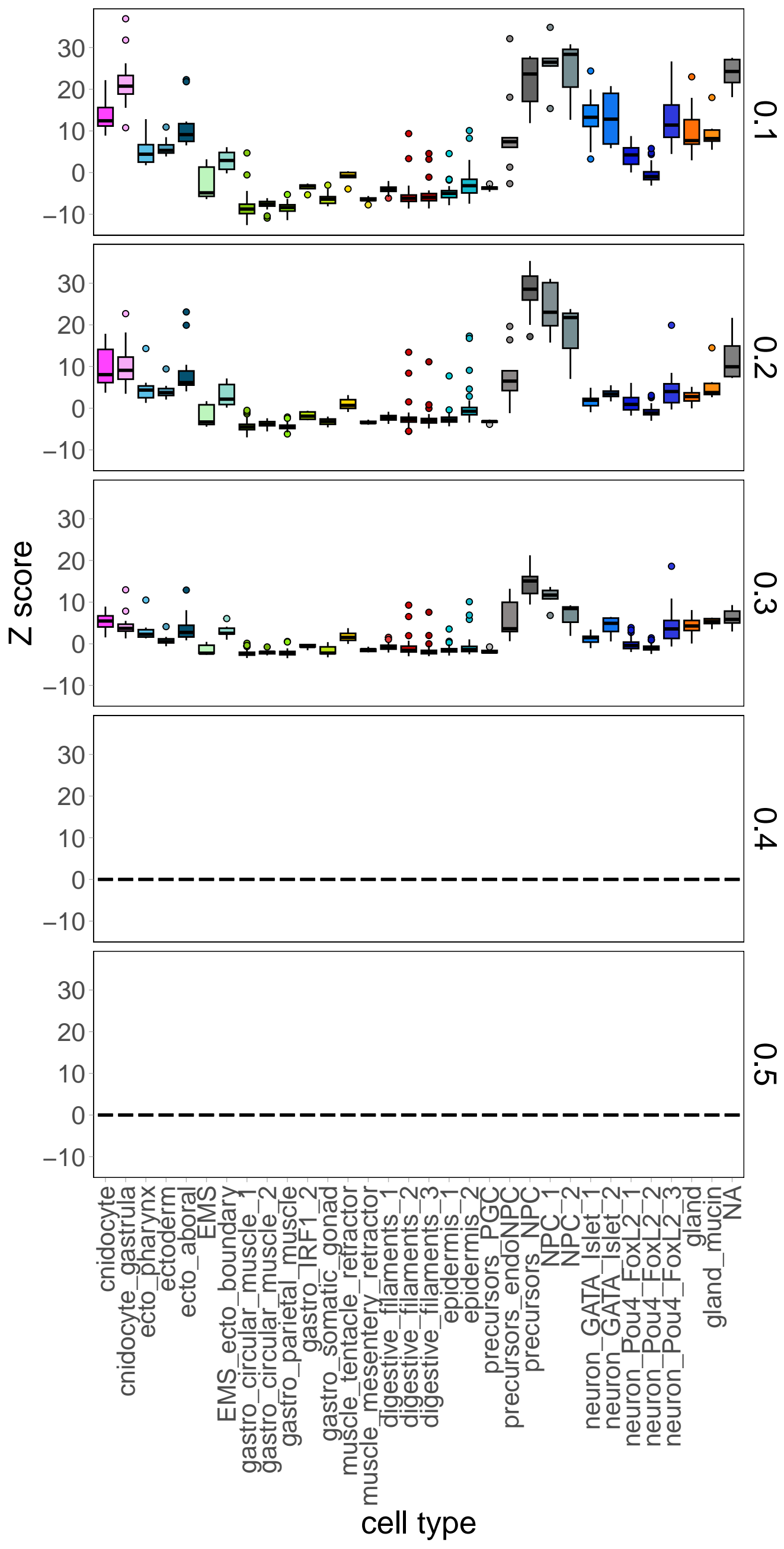


NvSox2 (Nvec\_vc1.1\_XM\_001639701.3)



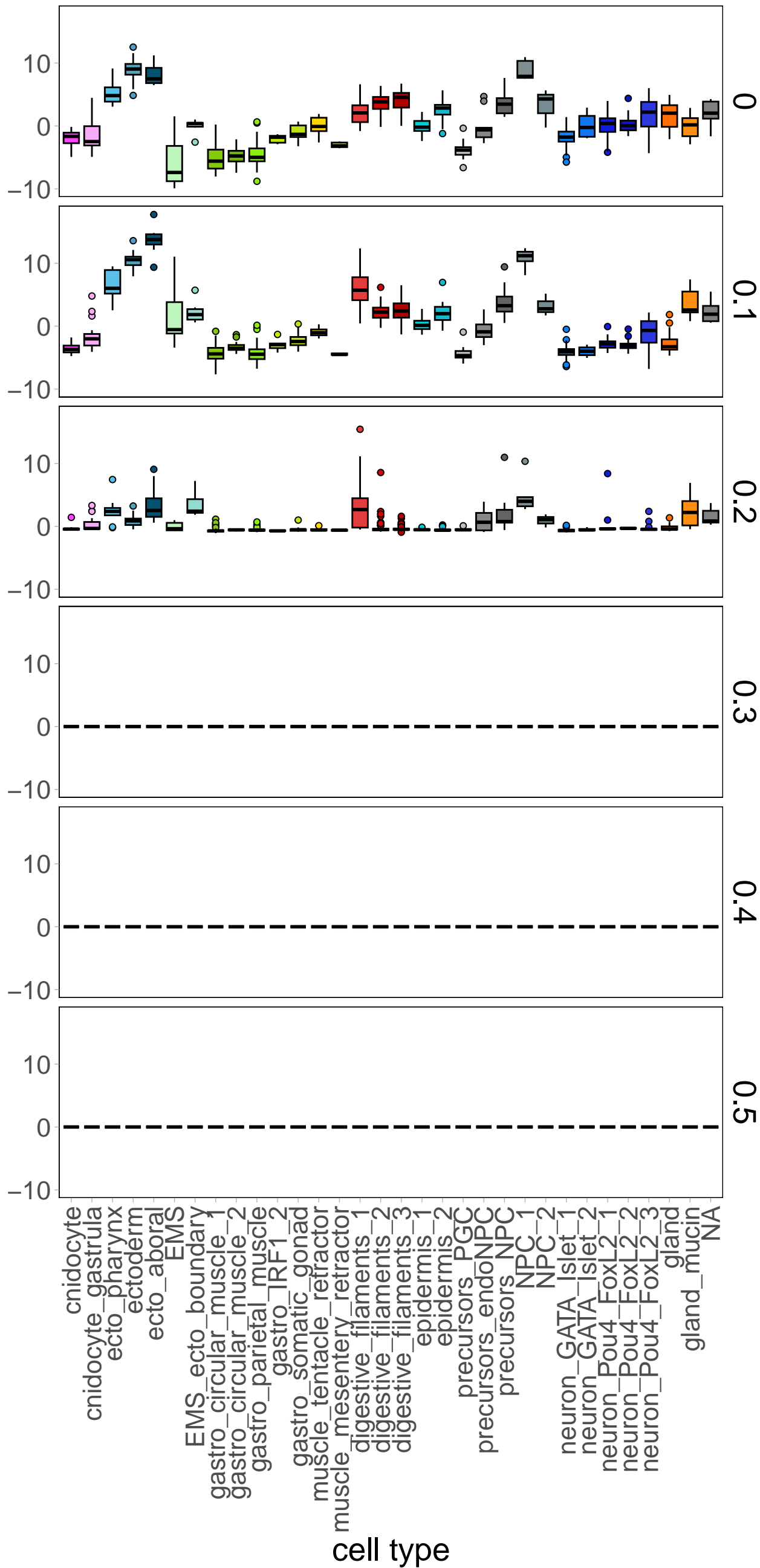


# NvSoxC (Nvec\_vc1.1\_XM\_032372264.2)



NvSoxB1 (Nvec\_vc1.1\_XM\_001632947.3)

Z score



NvSoxB(2) (Nvec\_vc1.1\_XM\_001632568.3

Z score

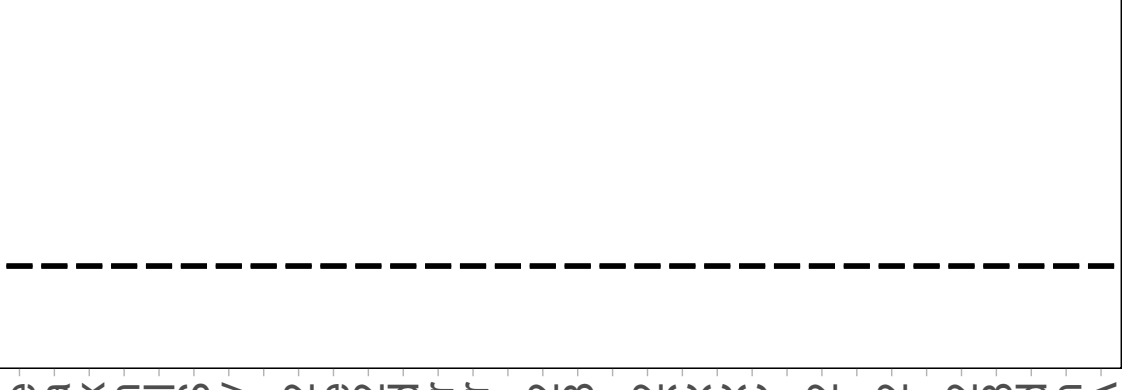
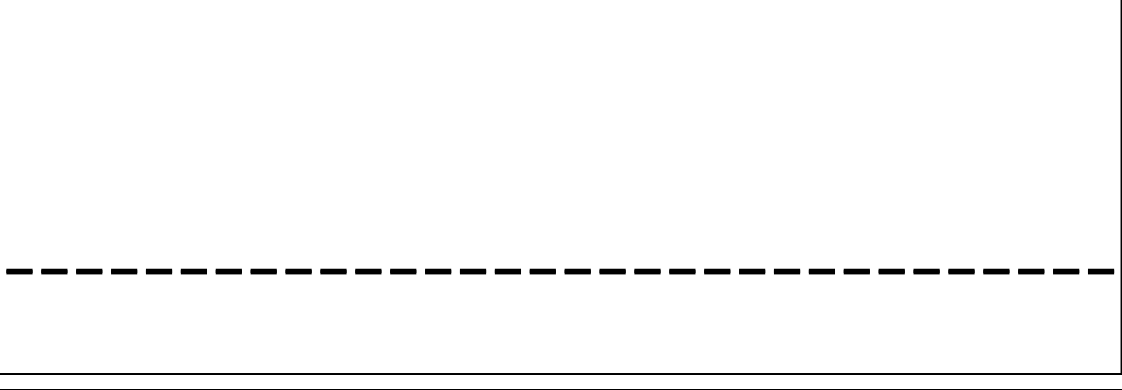
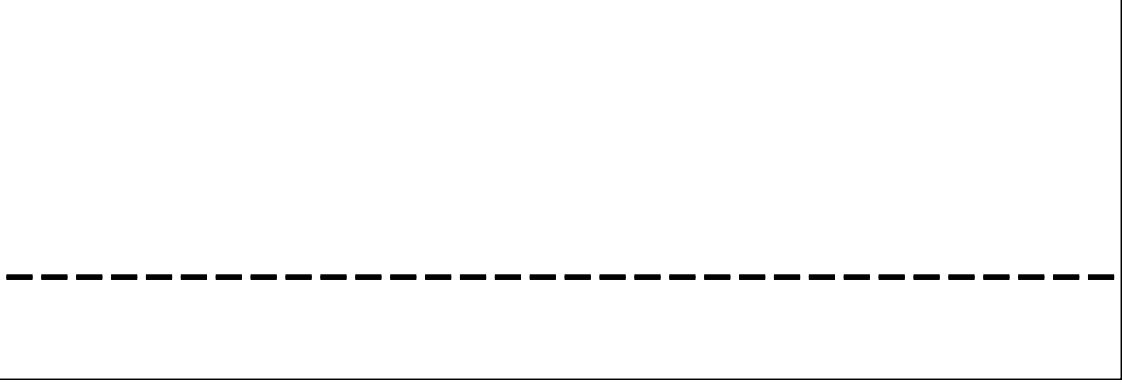
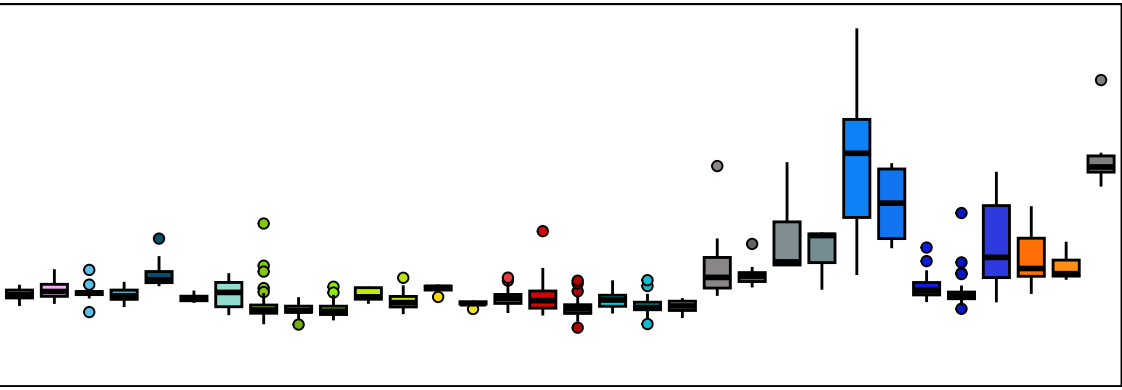
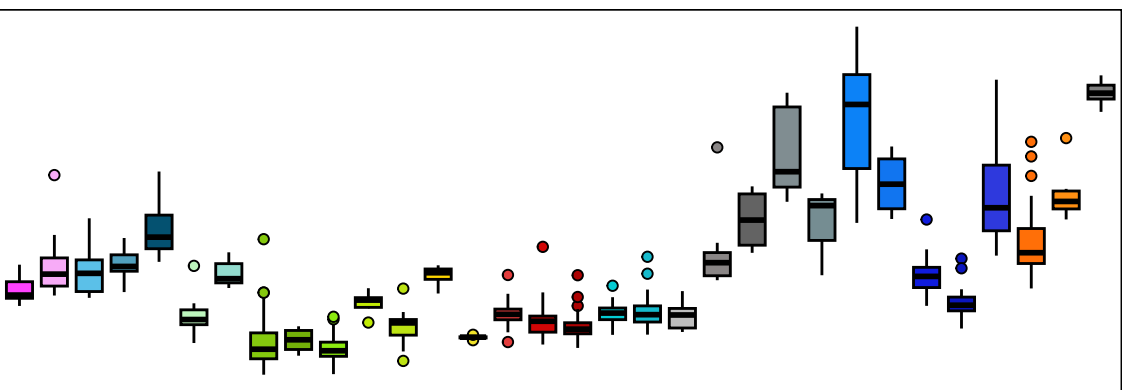
0.1

0.2

0.3

0.4

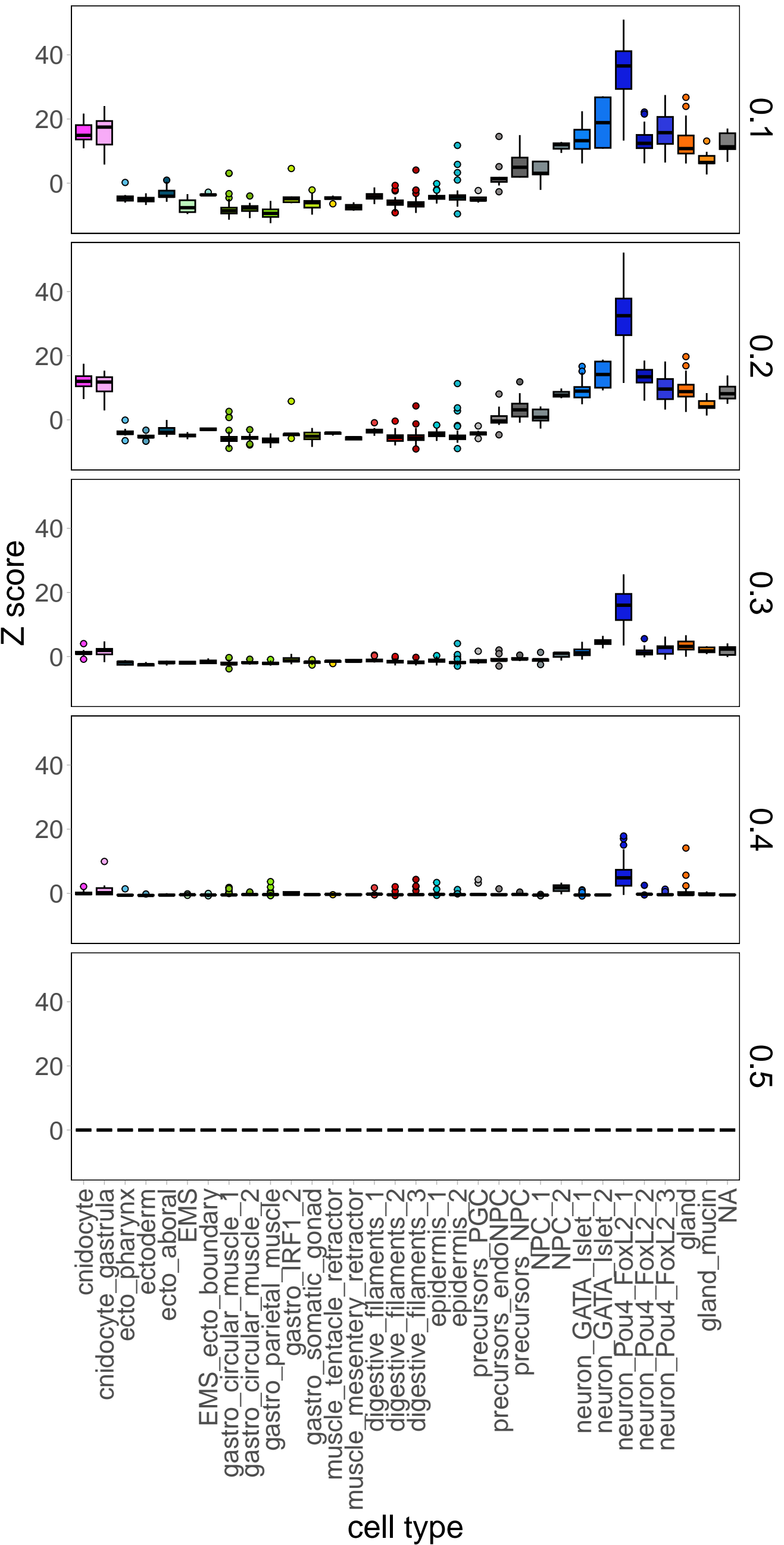
0.5



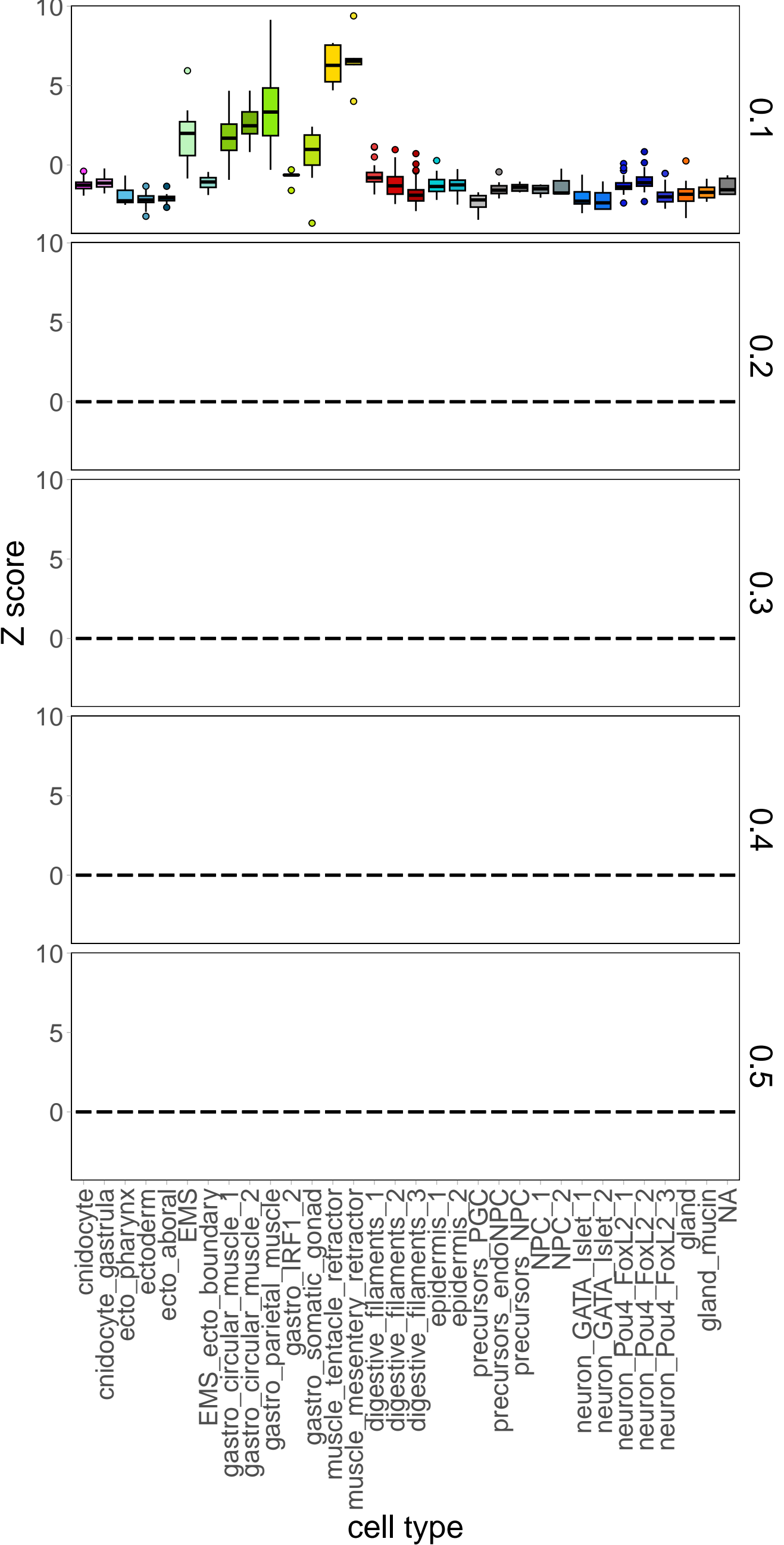
cell type

cnidocyte  
cnidocyte\_gastrula  
ecto\_pharynx  
ectoderm  
ecto\_aboral  
EMS  
EMS\_ecto\_boundary  
gastro\_circular\_muscle\_1  
gastro\_circular\_muscle\_2  
gastro\_parietal\_muscle  
gastro\_IRF1\_2  
gastro\_somatic\_gonad  
muscle\_tentacle\_retractor  
muscle\_mesentery\_retractor  
digestive\_filaments\_1  
digestive\_filaments\_2  
digestive\_filaments\_3  
epidermis\_1  
epidermis\_2  
precursors\_PGC  
precursors\_endo\_NPC  
precursors\_NPC  
NPC\_1  
NPC\_2  
neuron\_GATA\_Islet\_1  
neuron\_GATA\_Islet\_2  
neuron\_Pou4\_FoxL2\_1  
neuron\_Pou4\_FoxL2\_2  
neuron\_Pou4\_FoxL2\_3  
gland  
gland\_mucin  
NA

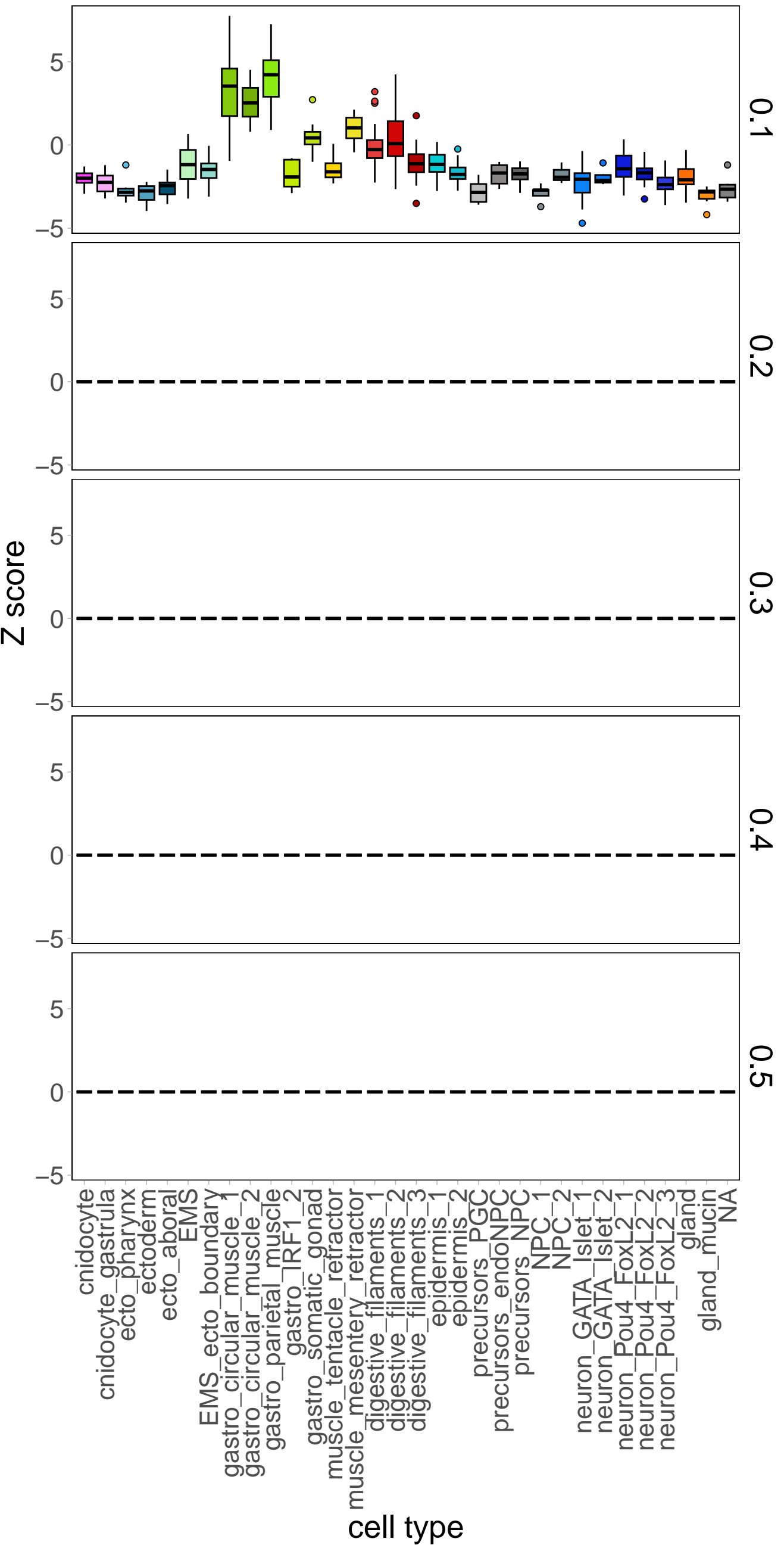
NvSoxA (Nvec\_vc1.1\_XM\_032380374.2)



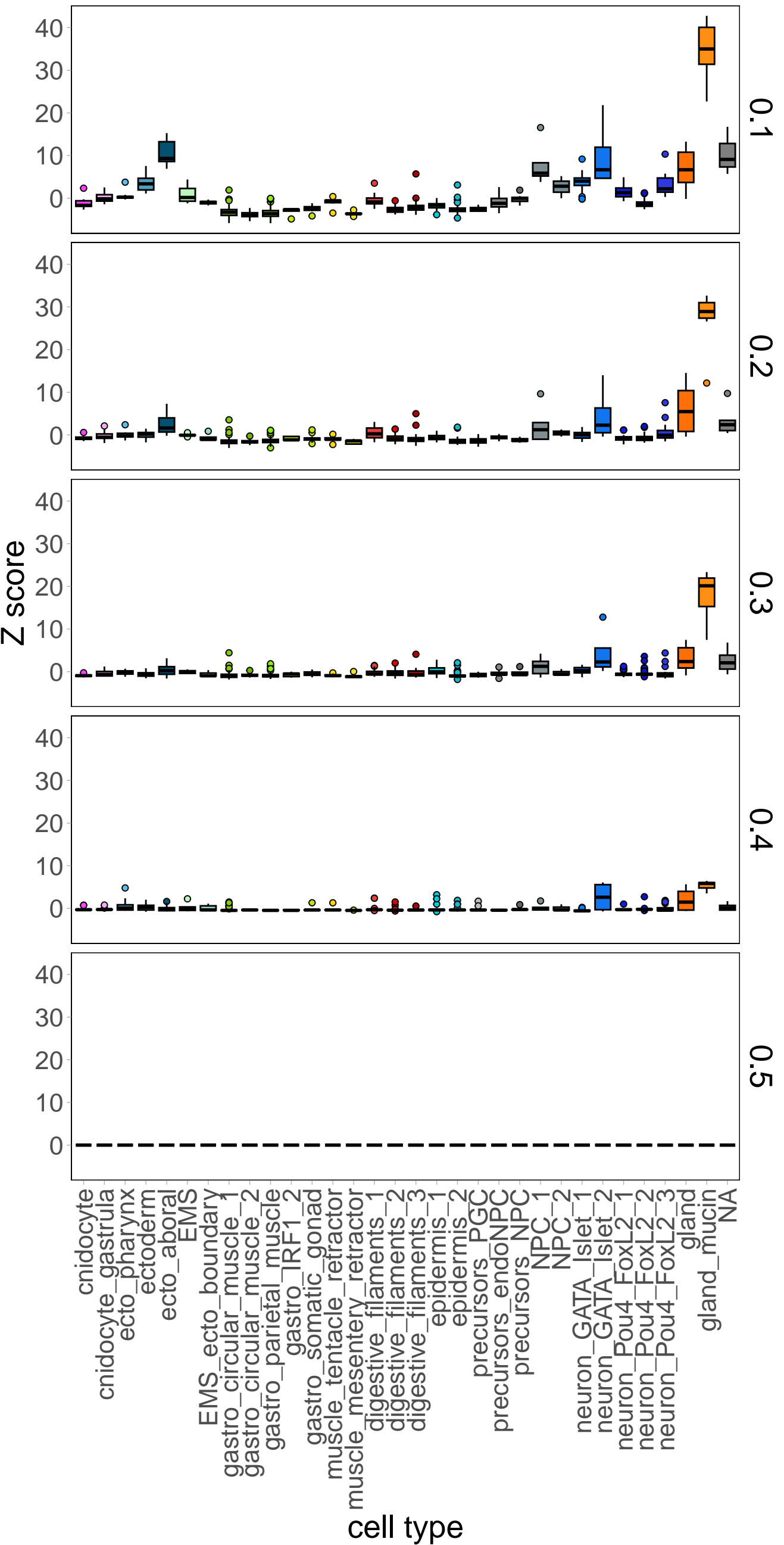
NvSoxE1 (Nvec\_vc1.1\_XM\_001629987.3)



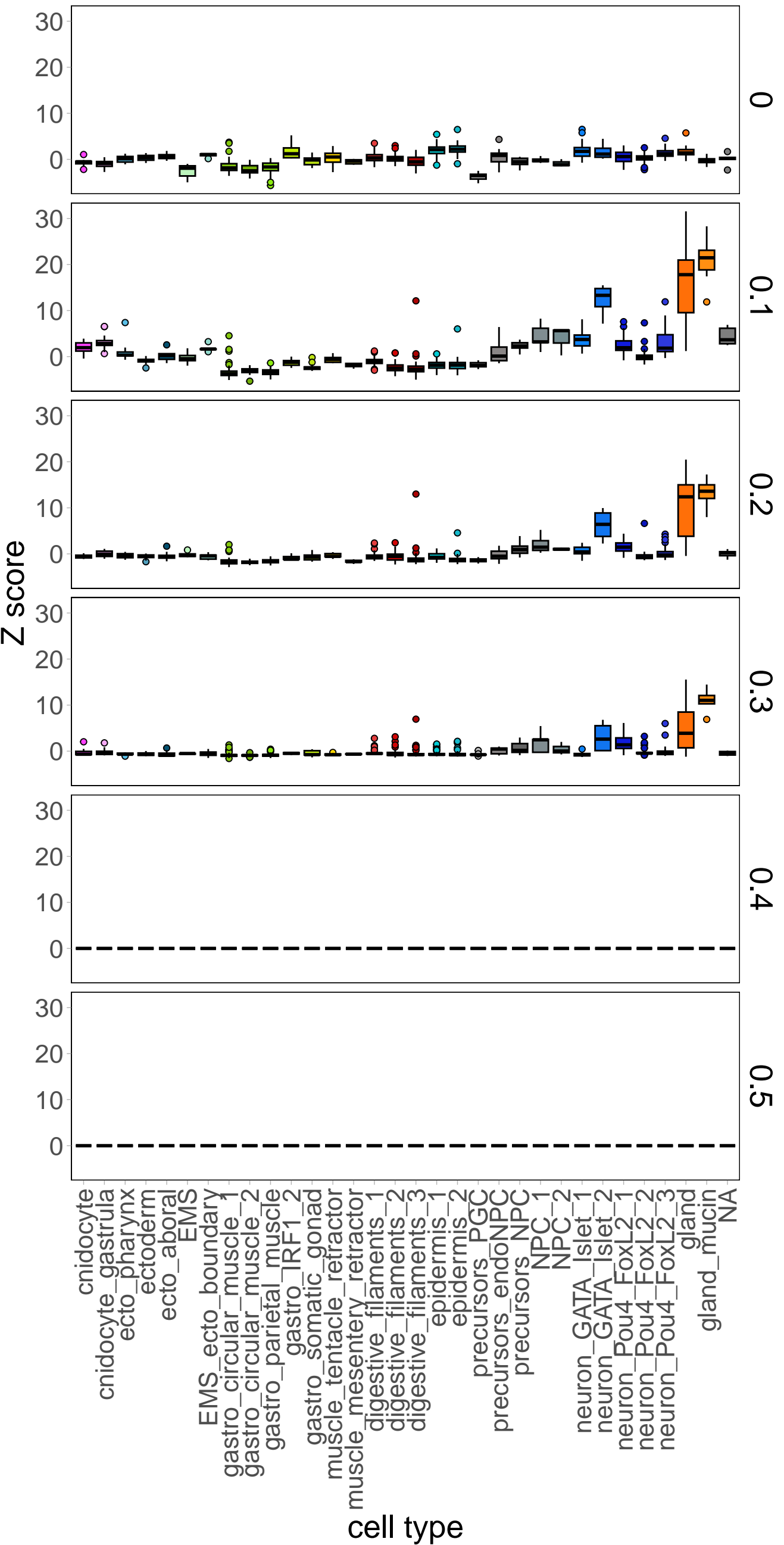
NvSoxF1 (Nvec\_vc1.1\_XM\_001636155.3)



NOTO (Nvec\_vc1.1\_XM\_032364773.2)



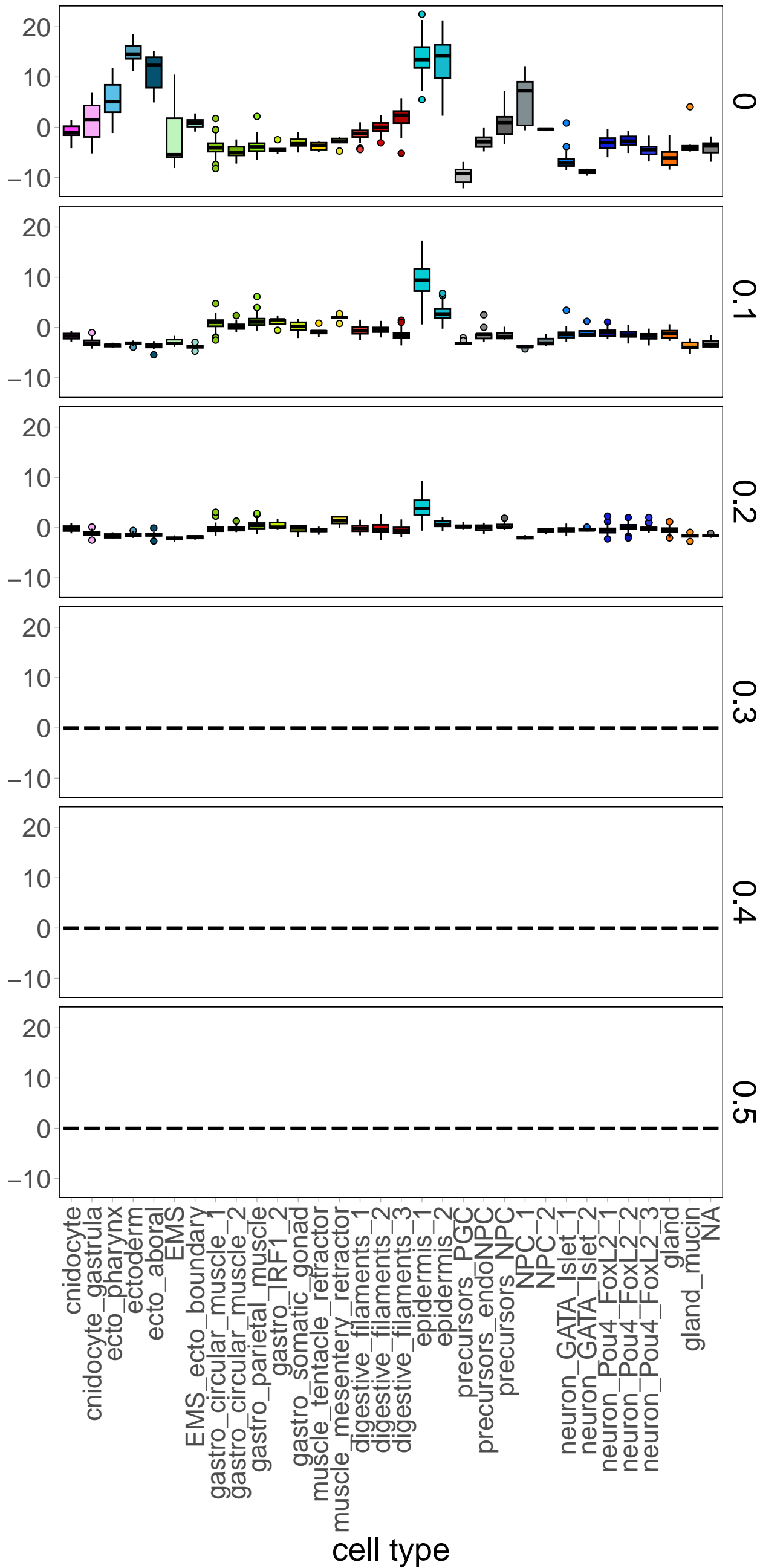
CREB3 (Nvec\_vc1.1\_XM\_032378881.2)



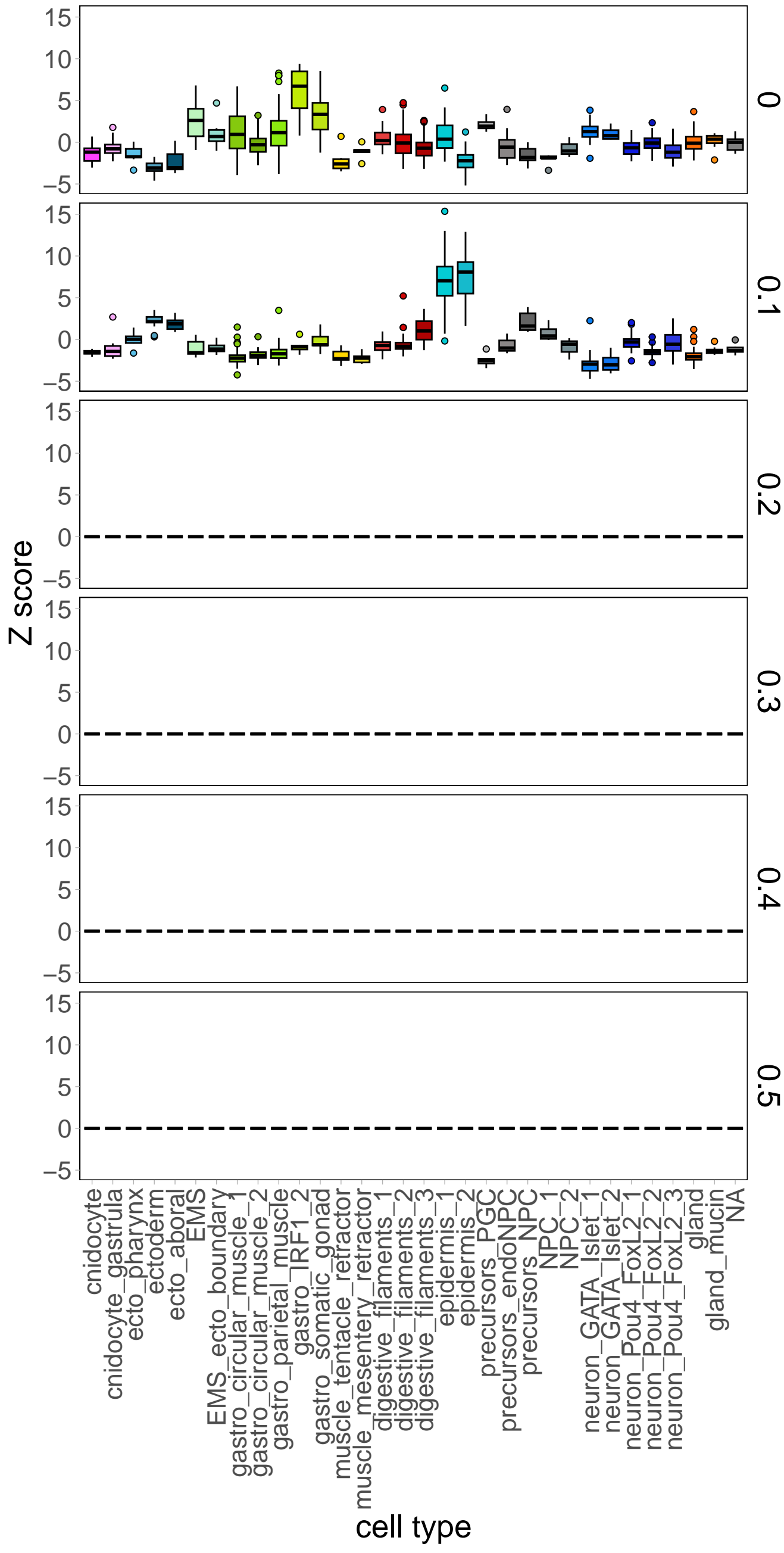


PAX3/7 (Nvec\_vc1.1\_XM\_001628635.3)

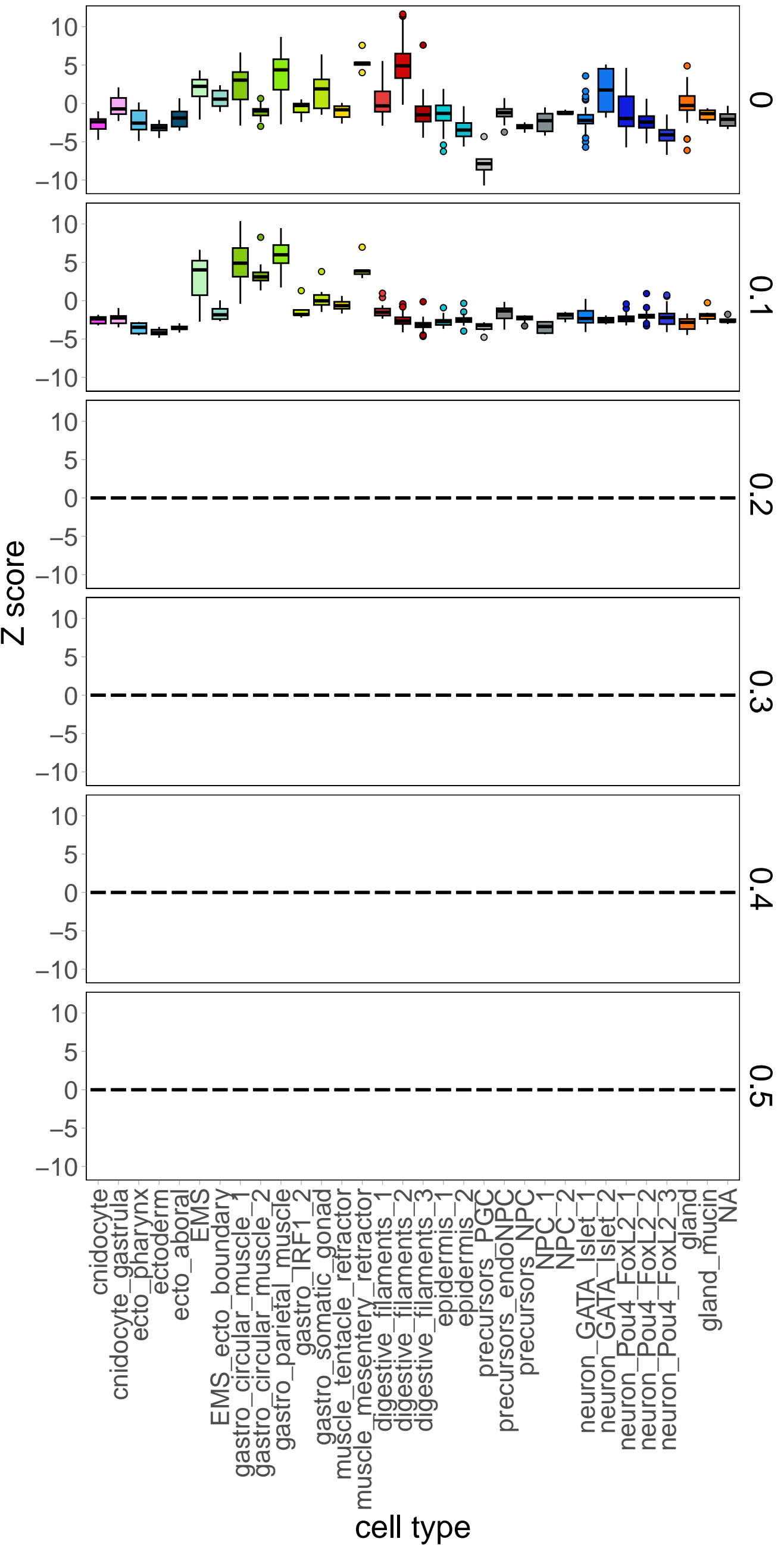
Z score



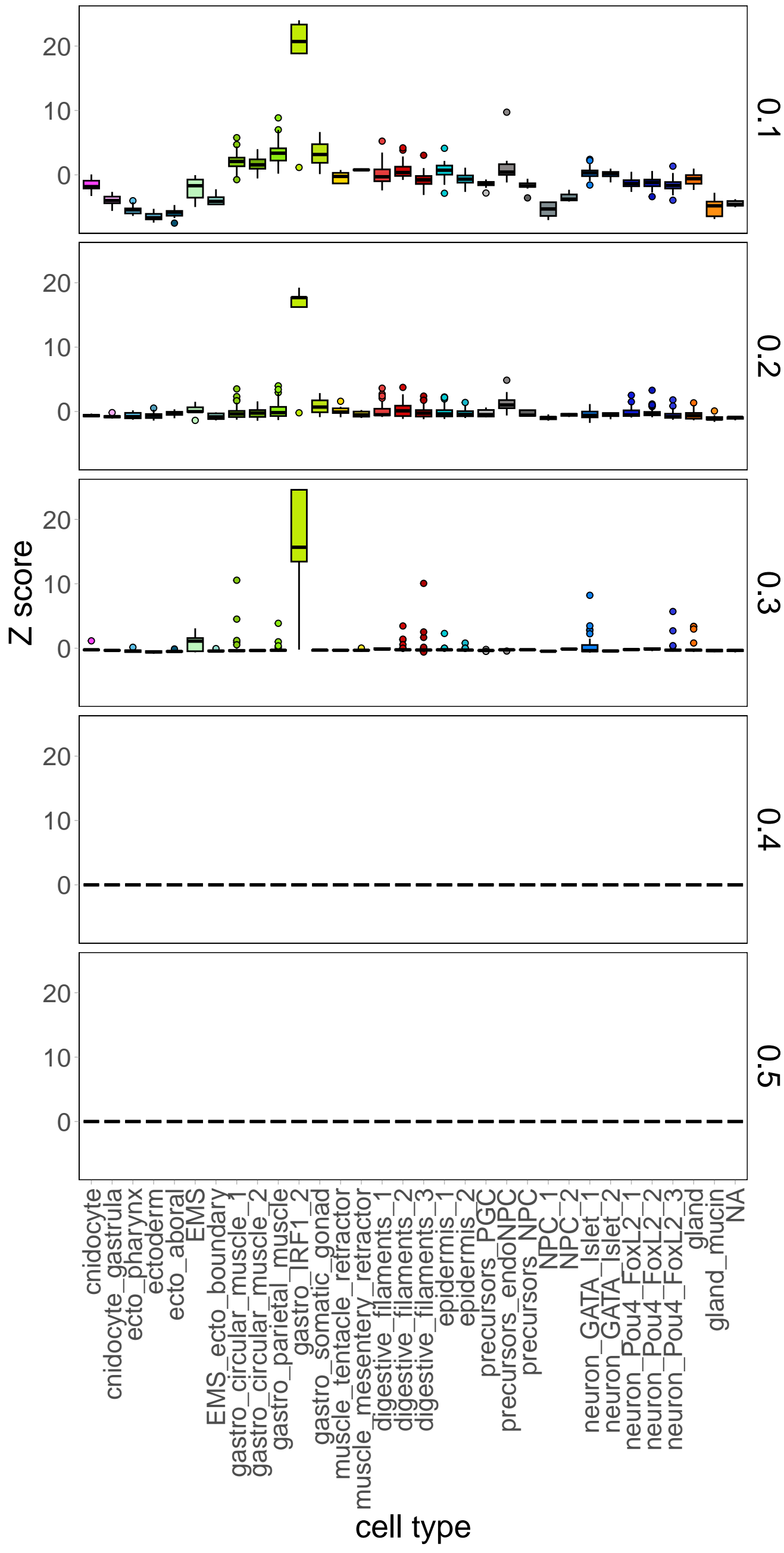
# ETV6/7 (Nvec\_vc1.1\_XM\_032384221.2)



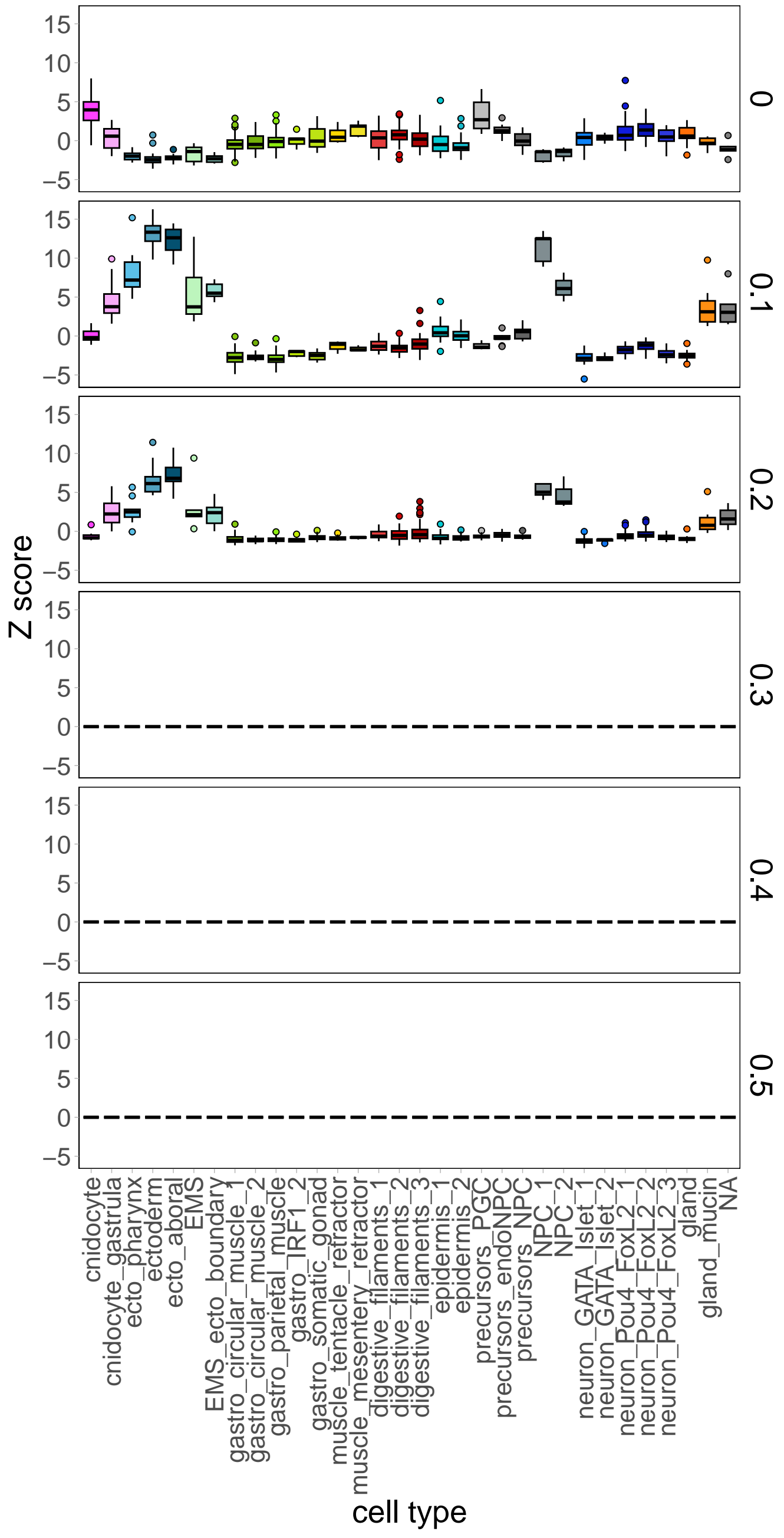
Hhex (Nvec\_vc1.1\_XM\_032364784.2)



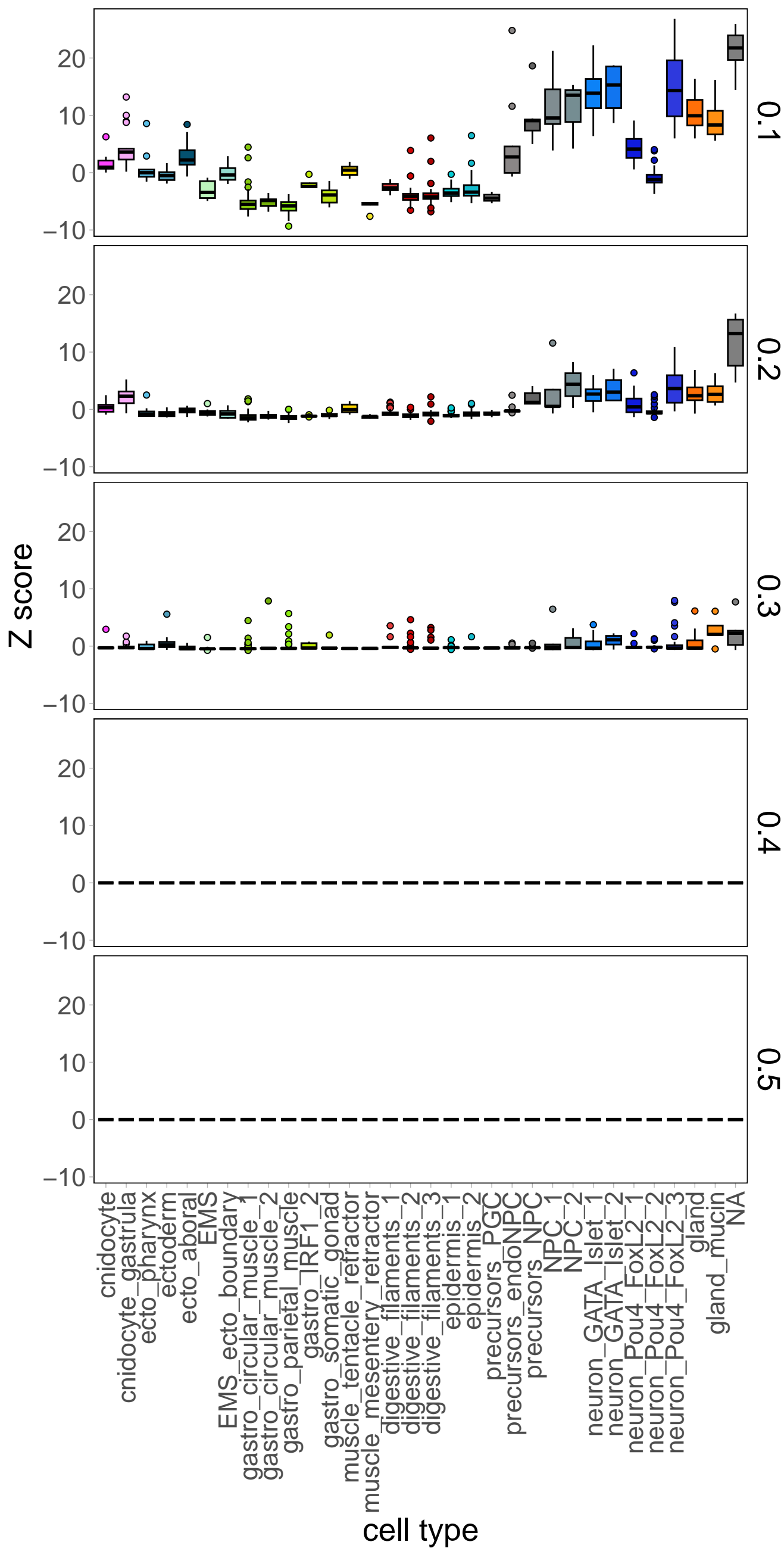
IRF1-2c (Nvec\_vc1.1\_XM\_001622271.3)



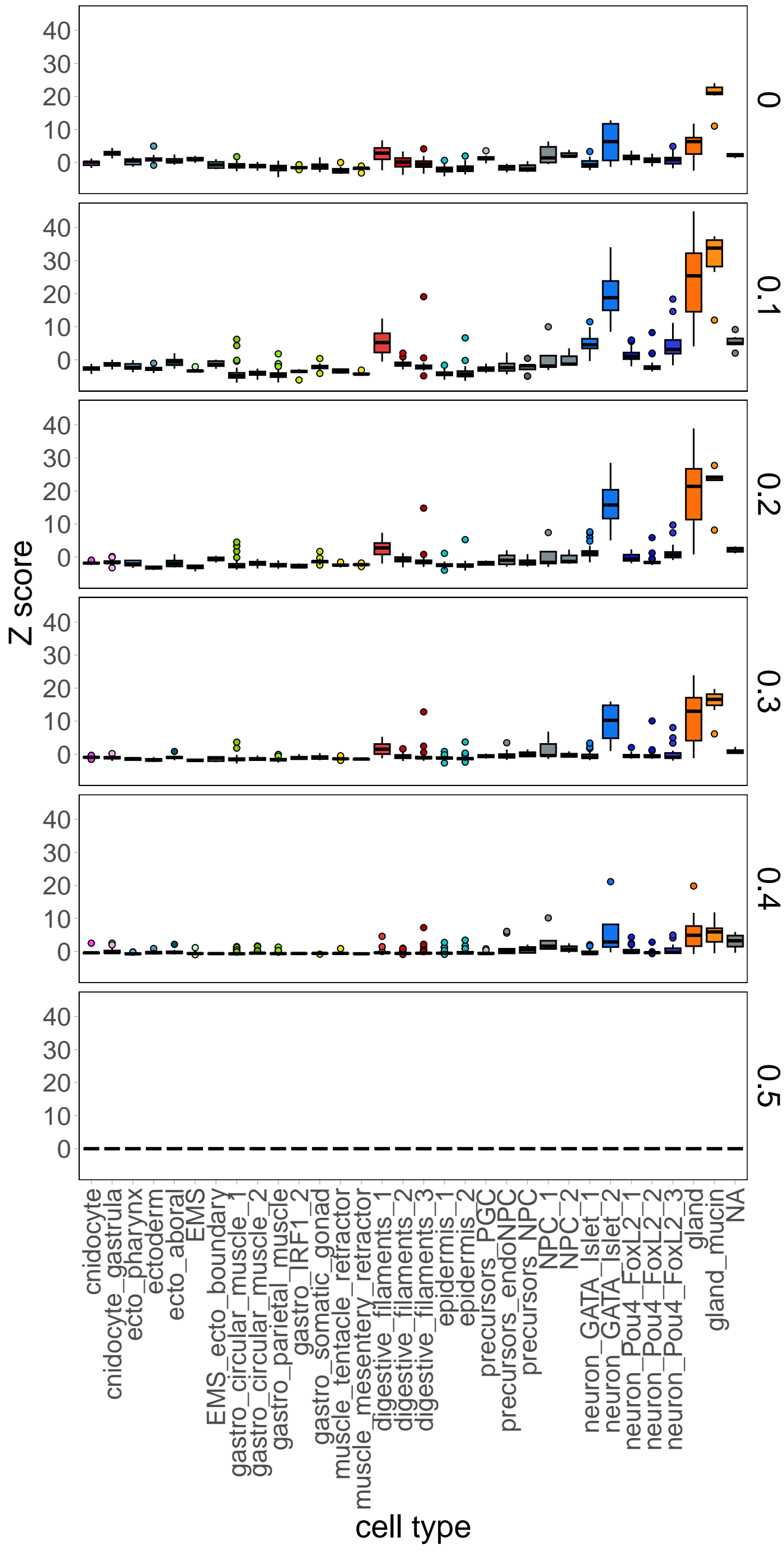
HSF-like (Nvec\_vc1.1\_XM\_001633014.3)



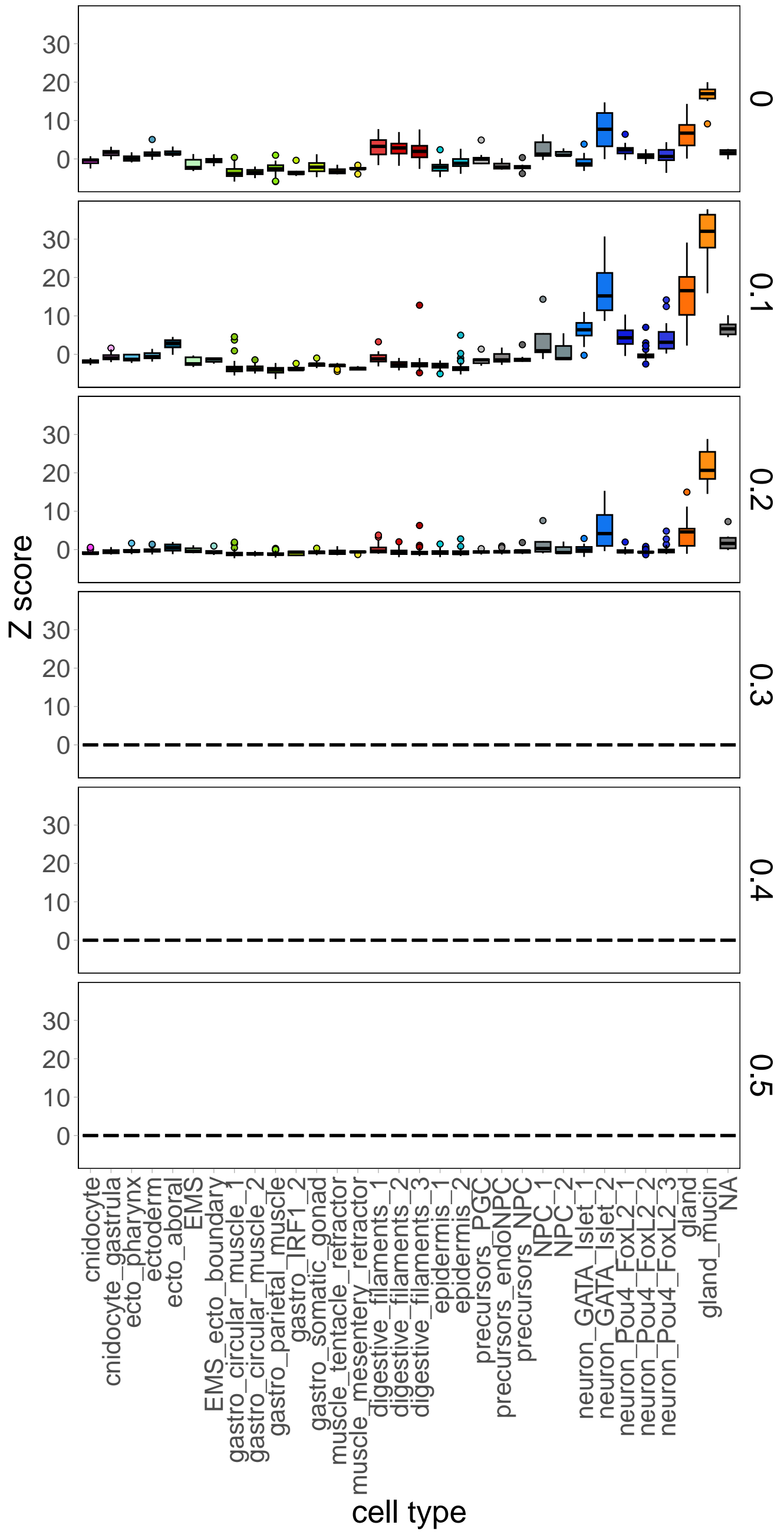
# PTF1a (Nvec\_vc1.1\_XM\_032385496.2)



Rfx4 (Nvec\_vc1.1\_XM\_032375228.2)



RFX1/2/3 (Nvec\_vc1.1\_XM\_032385647.2)





HSF-like (Nvec\_vc1.1\_XM\_001633014.3)

