



Supporting Information

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Hypothalamus Regulates Anabolic Metabolism of Articular Cartilage Superficial Chondrocytes through PGE2 Skeletal Interoception

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Figure 1 TH staining

Non-running Group

Animal 1-1
(main figure)

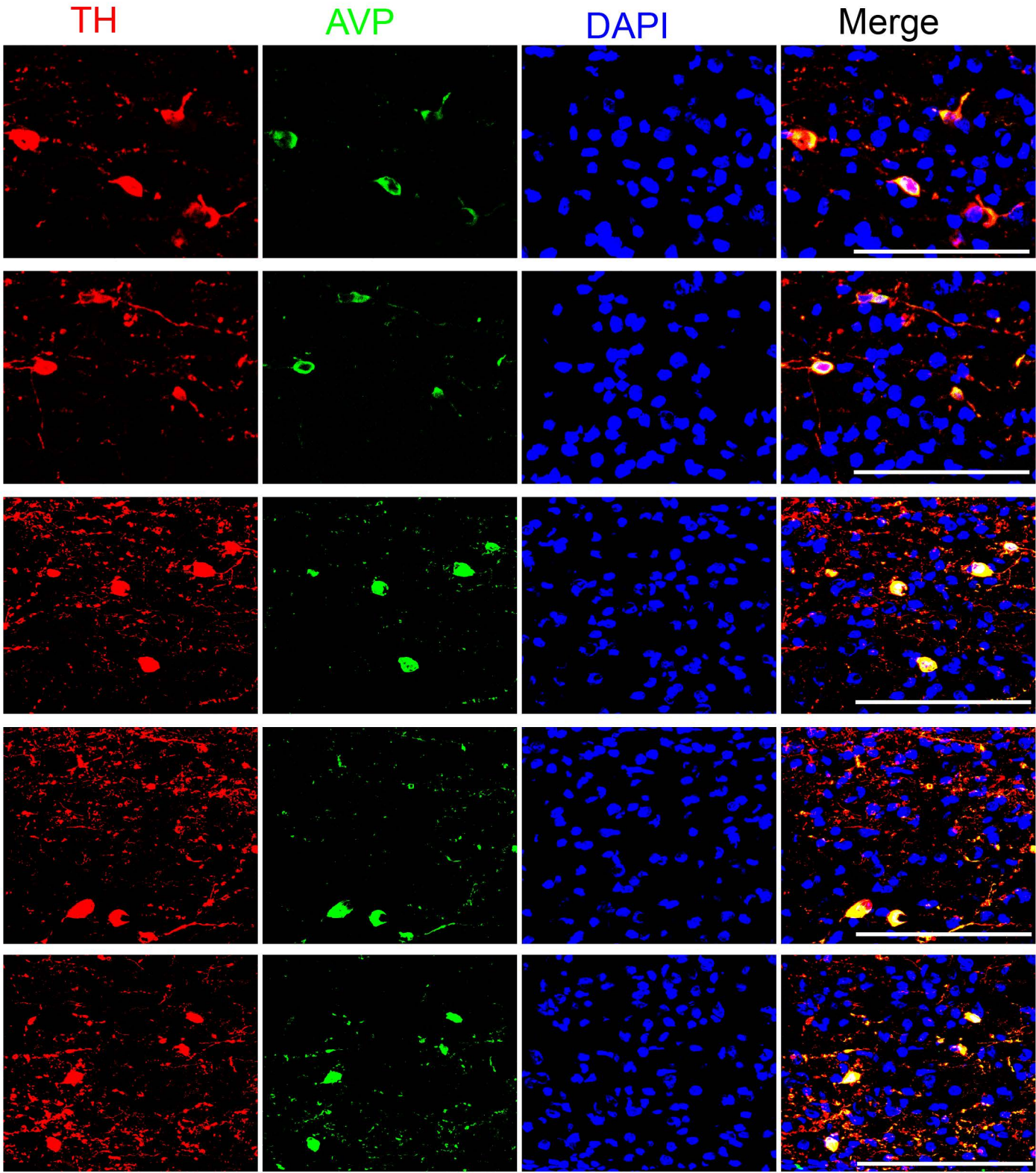


Figure 1 TH staining

Non-running Group

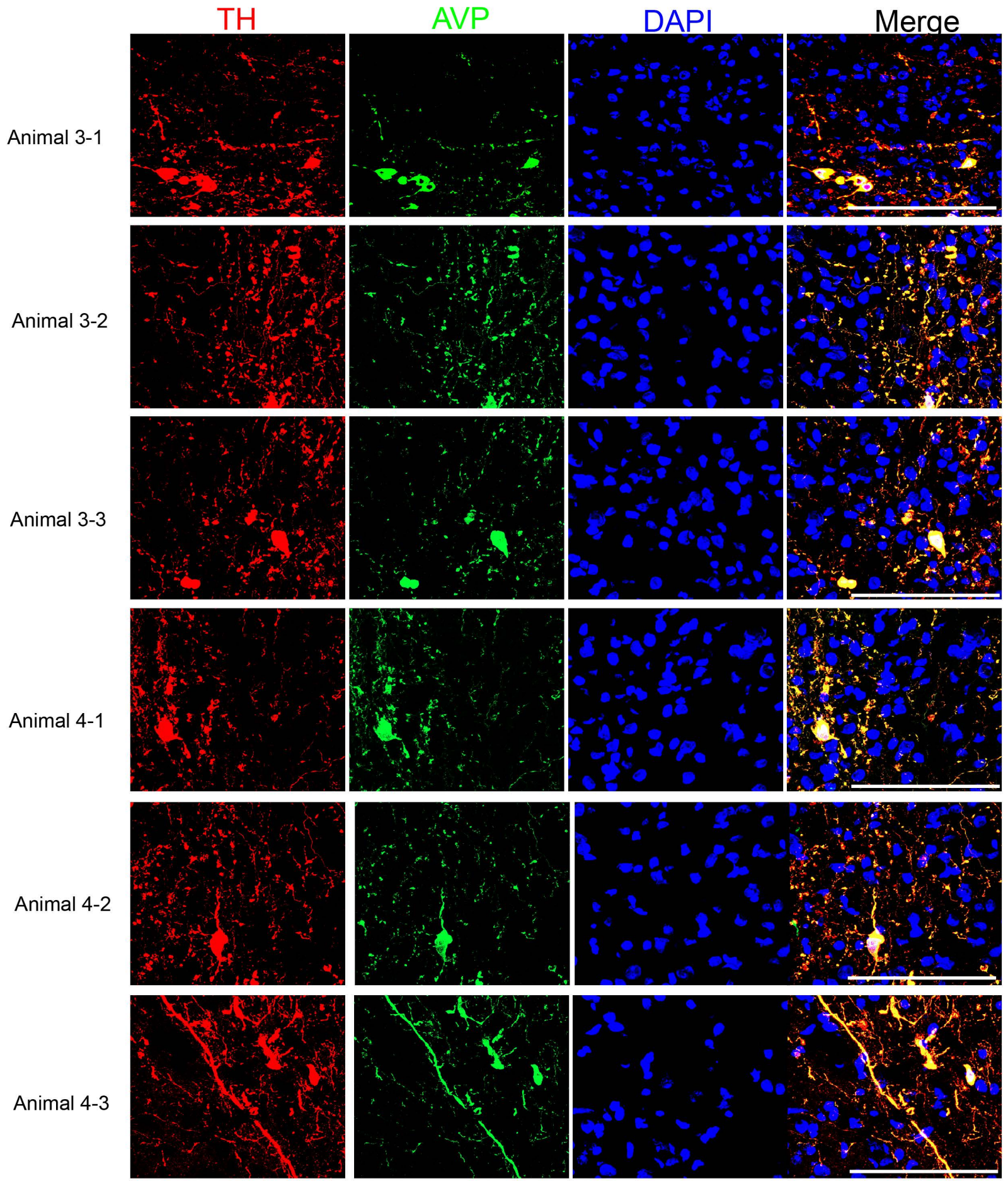


Figure 1 TH staining

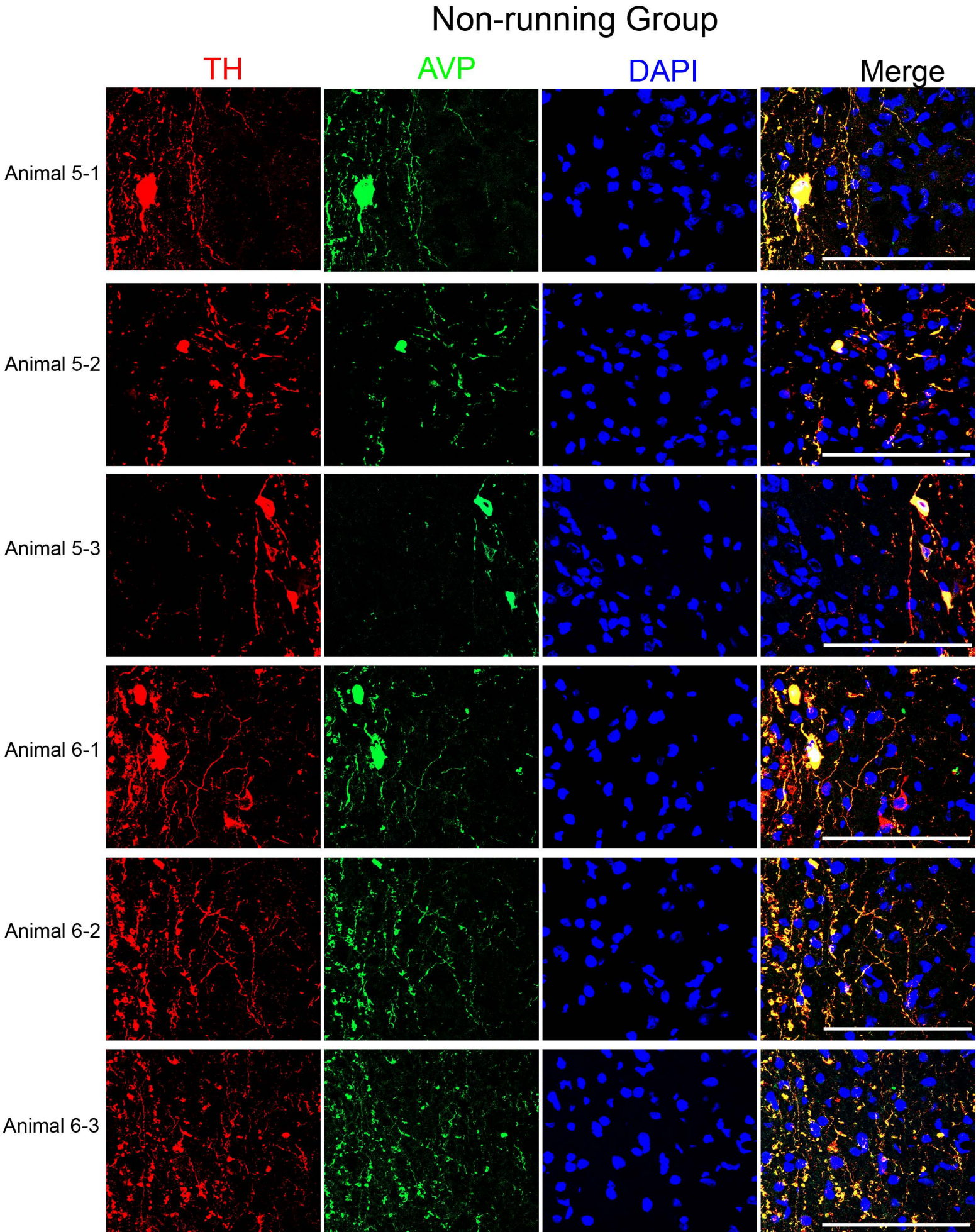


Figure 1 TH staining

Running Group

Animal 1-1
(main figure)

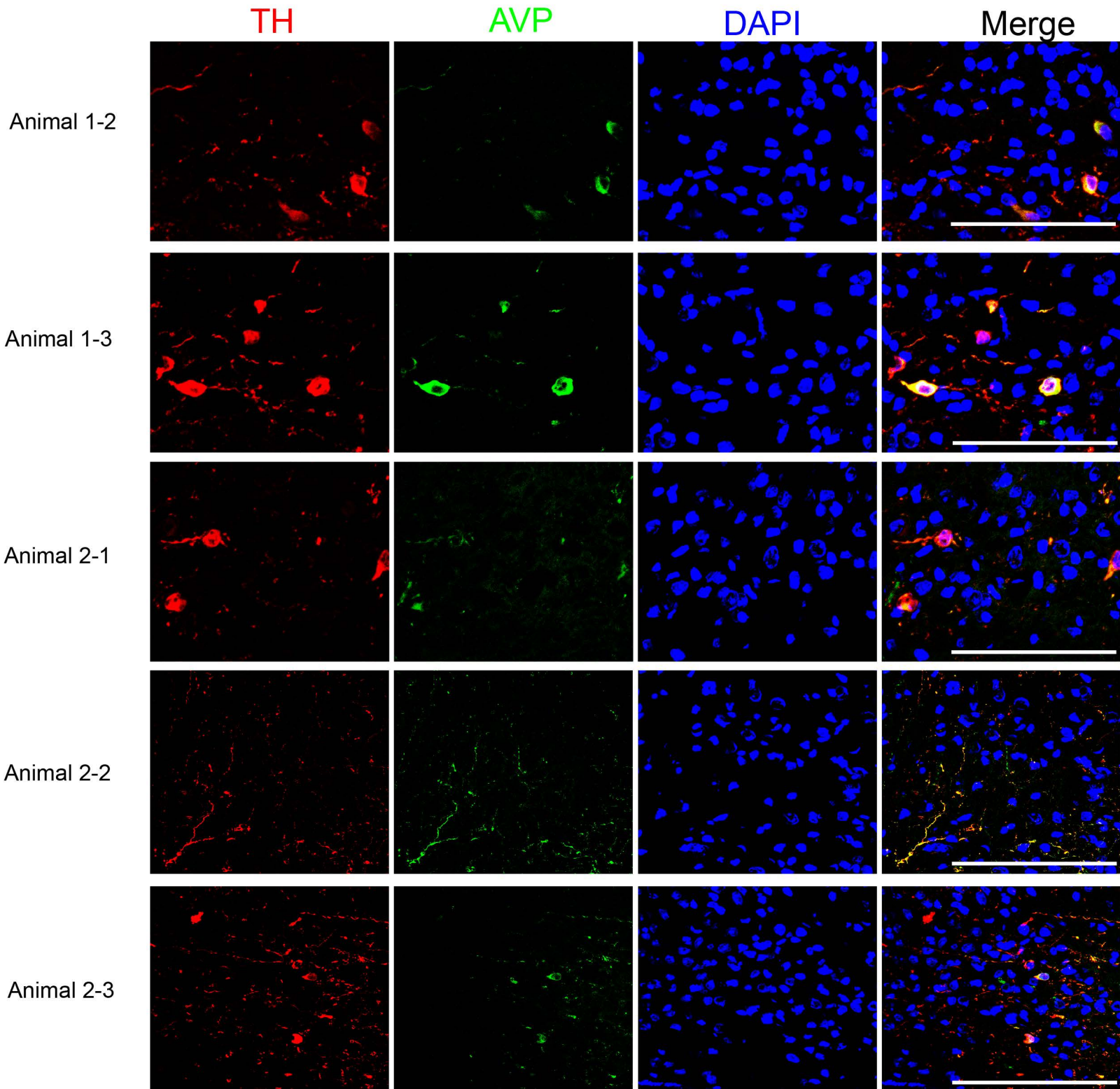


Figure 1 TH staining

Running Group

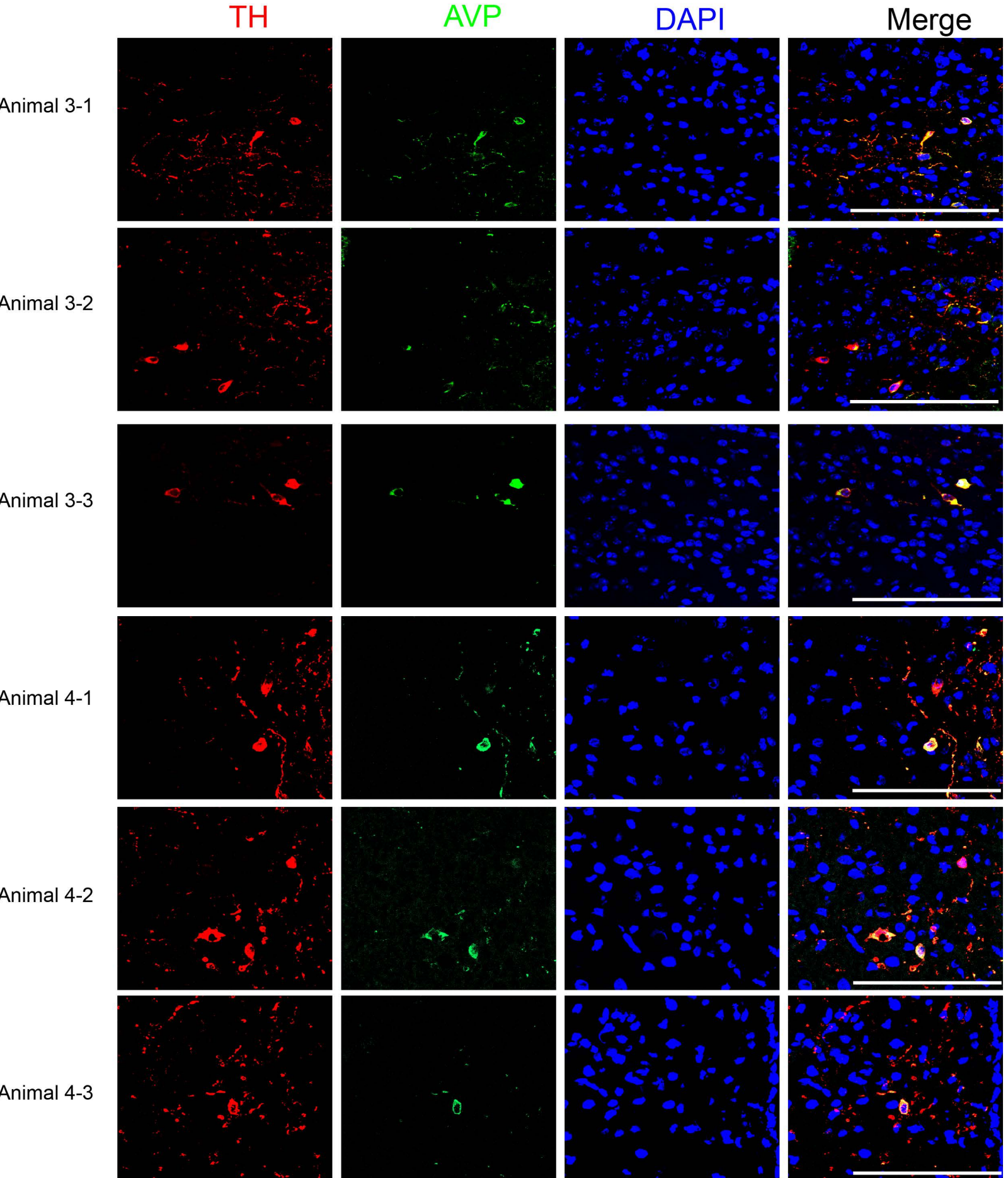


Figure 1 TH staining

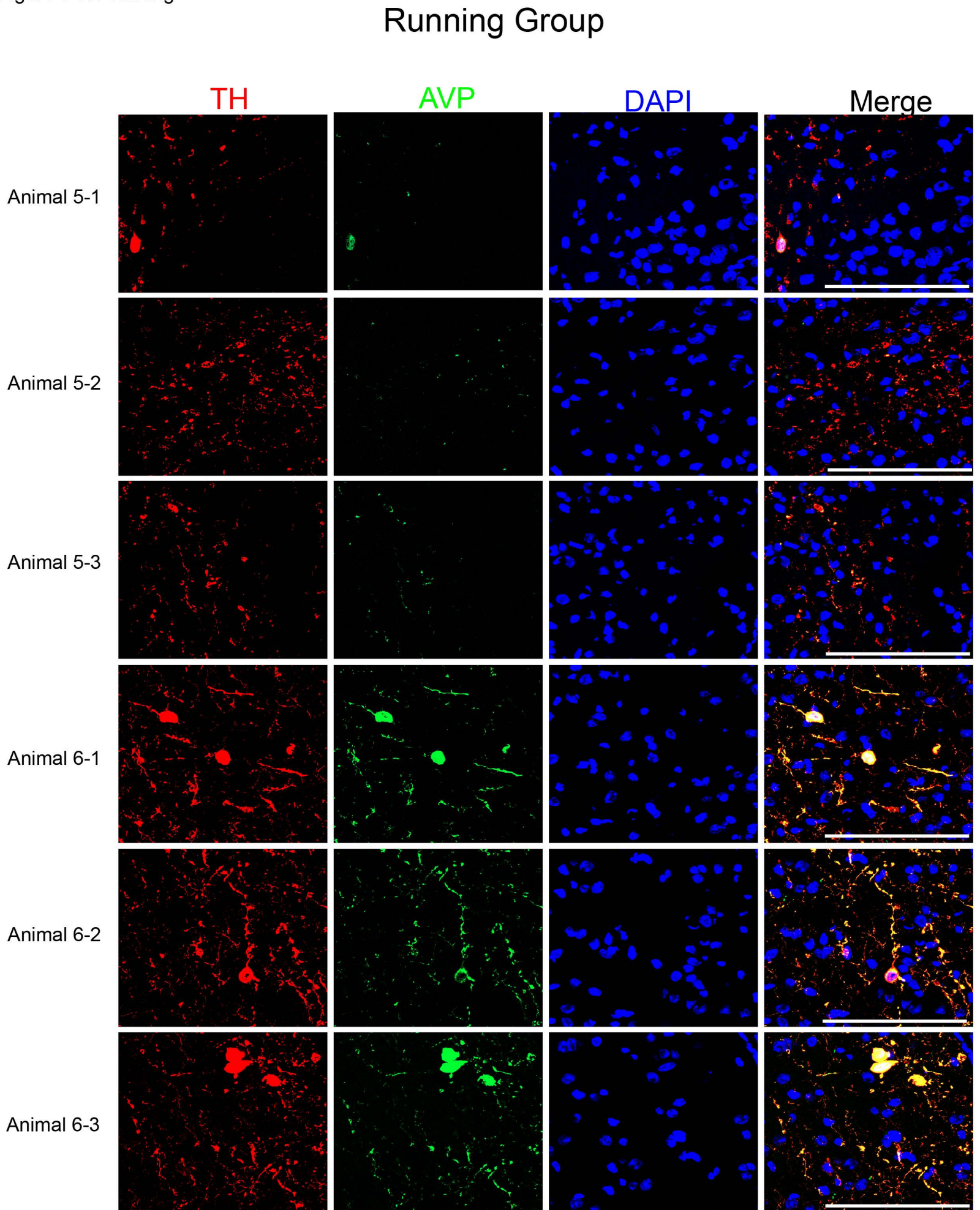


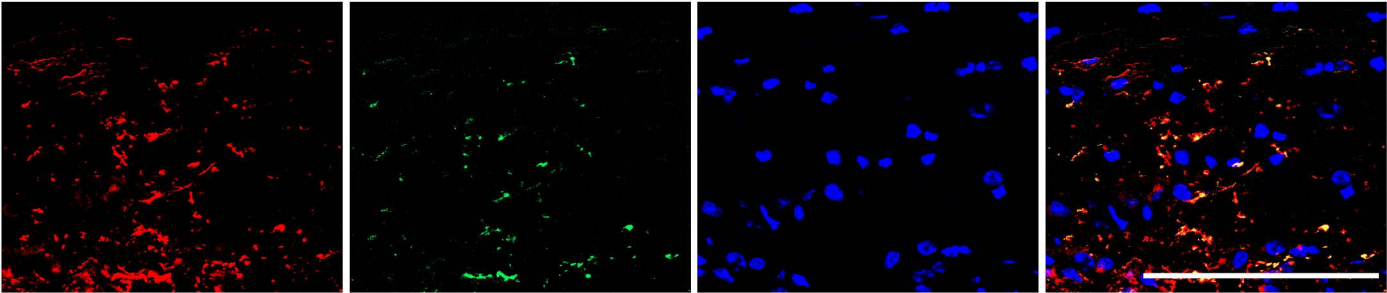
Figure 2 TH staining

EP4^{flox}Group

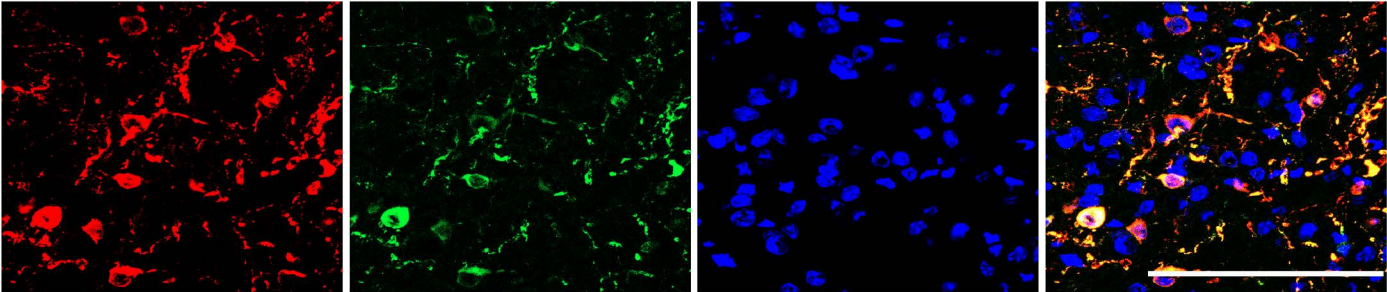
Animal 1-1
(main figure)

TH AVP DAPI Merge

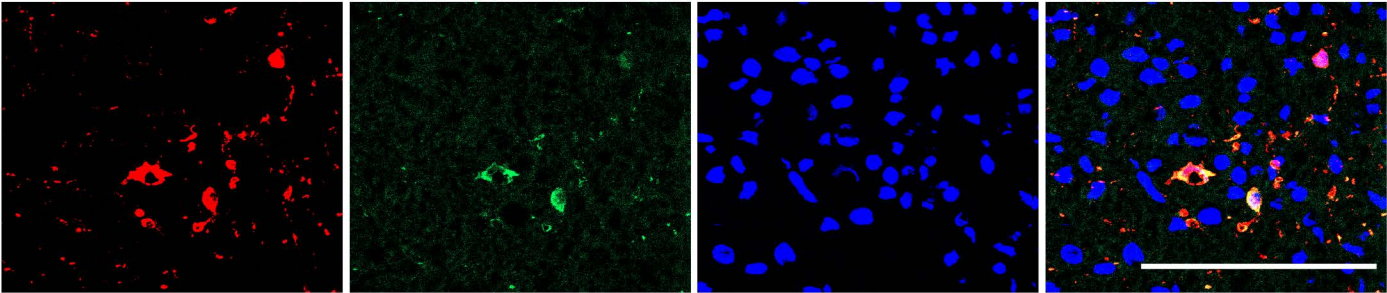
Animal 2



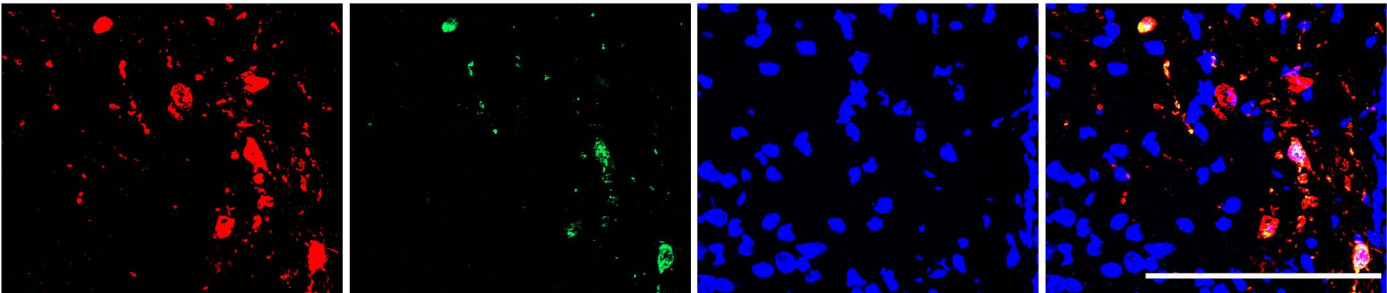
Animal 3



Animal 4



Animal 5



Animal 6

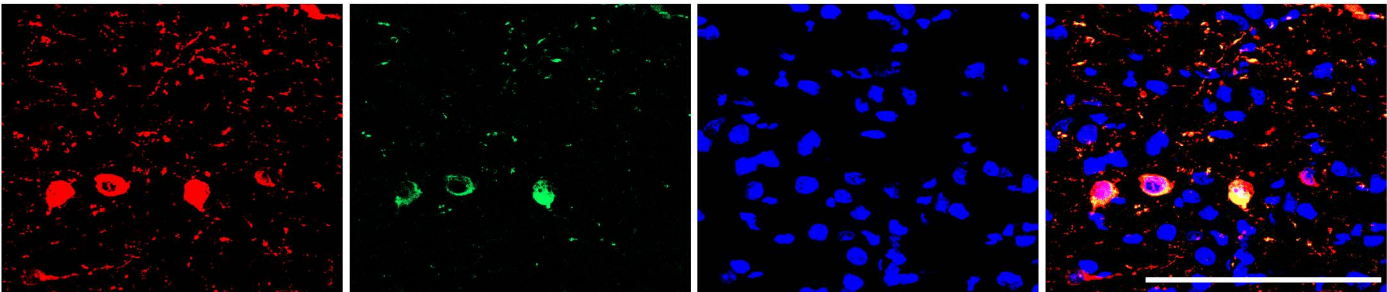


Figure 2 TH staining

EP4^{-/-}Group

Animal 1-1
(main figure)

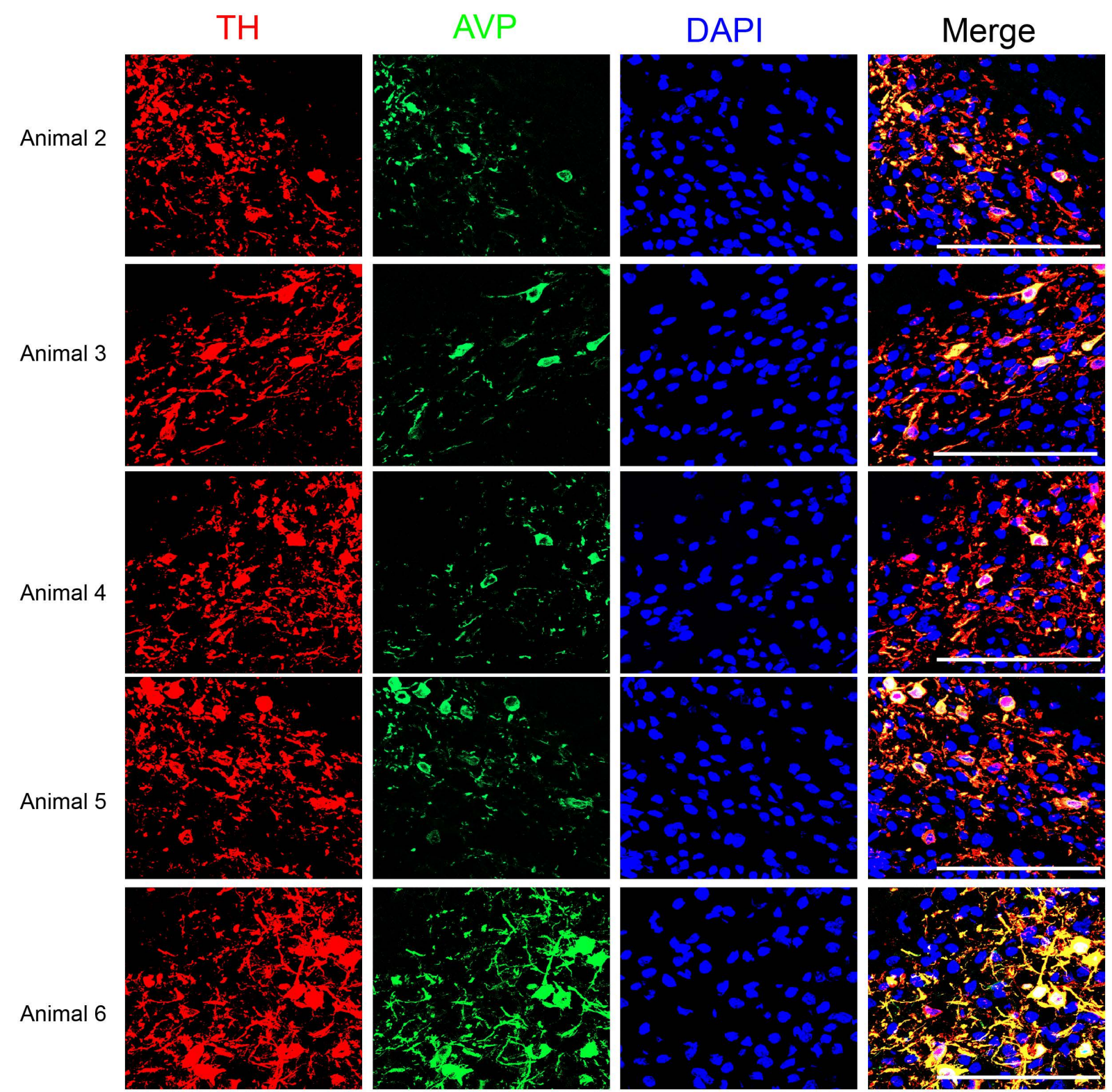


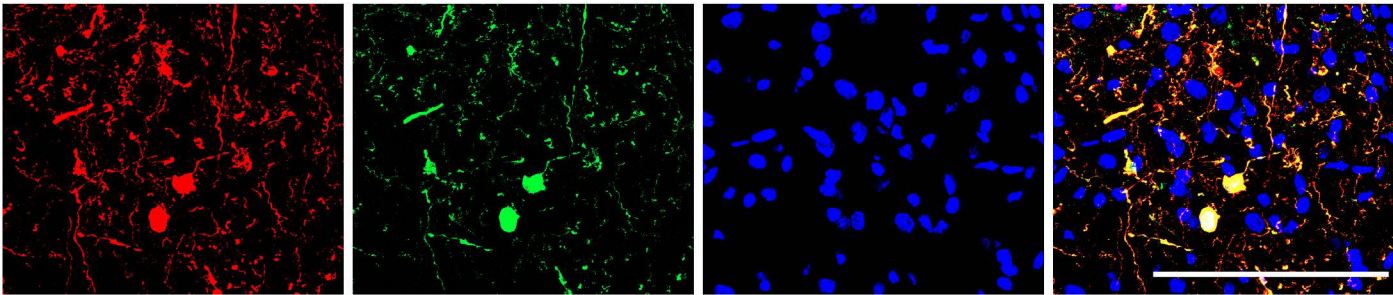
Figure 3 TH staining

EP4^{flox} Veh Group

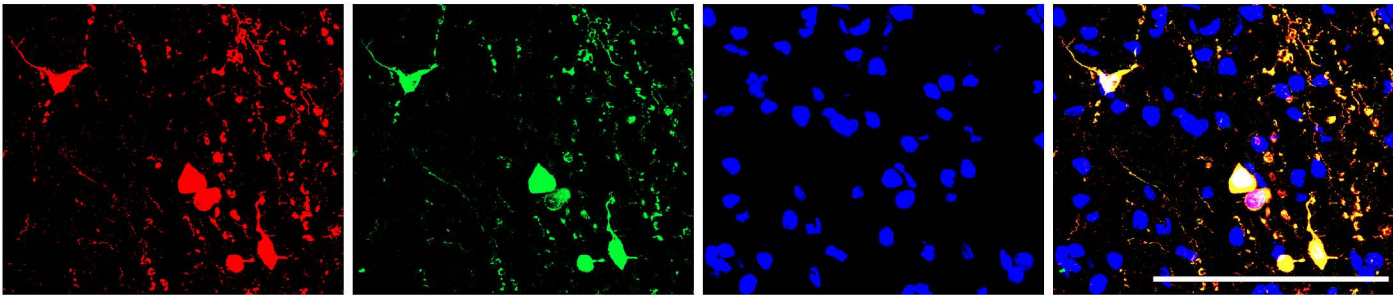
Animal 1-1
(main figure)

TH AVP DAPI Merge

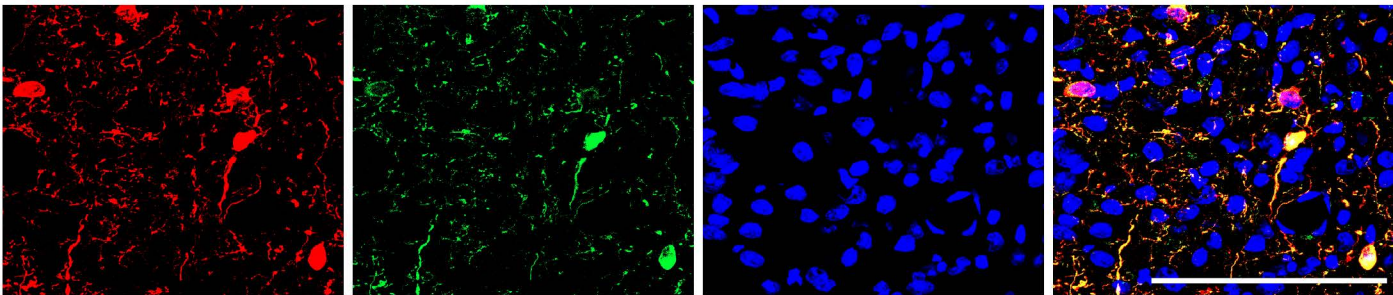
Animal 2



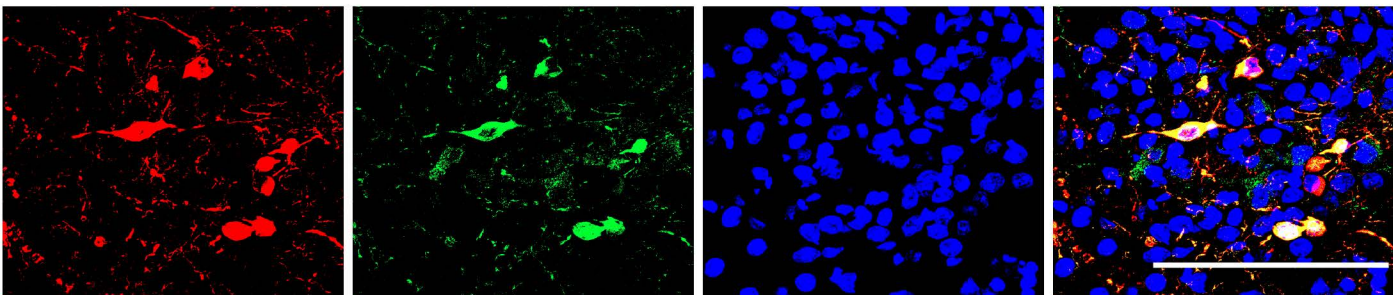
Animal 3



Animal 4



Animal 5



Animal 6

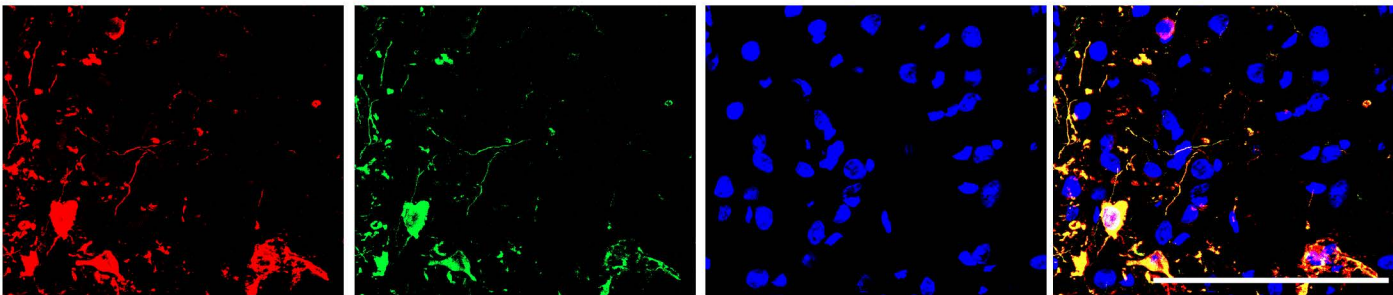


Figure 3 TH staining

EP4^{flox} SW Group

Animal 1-1
(main figure)

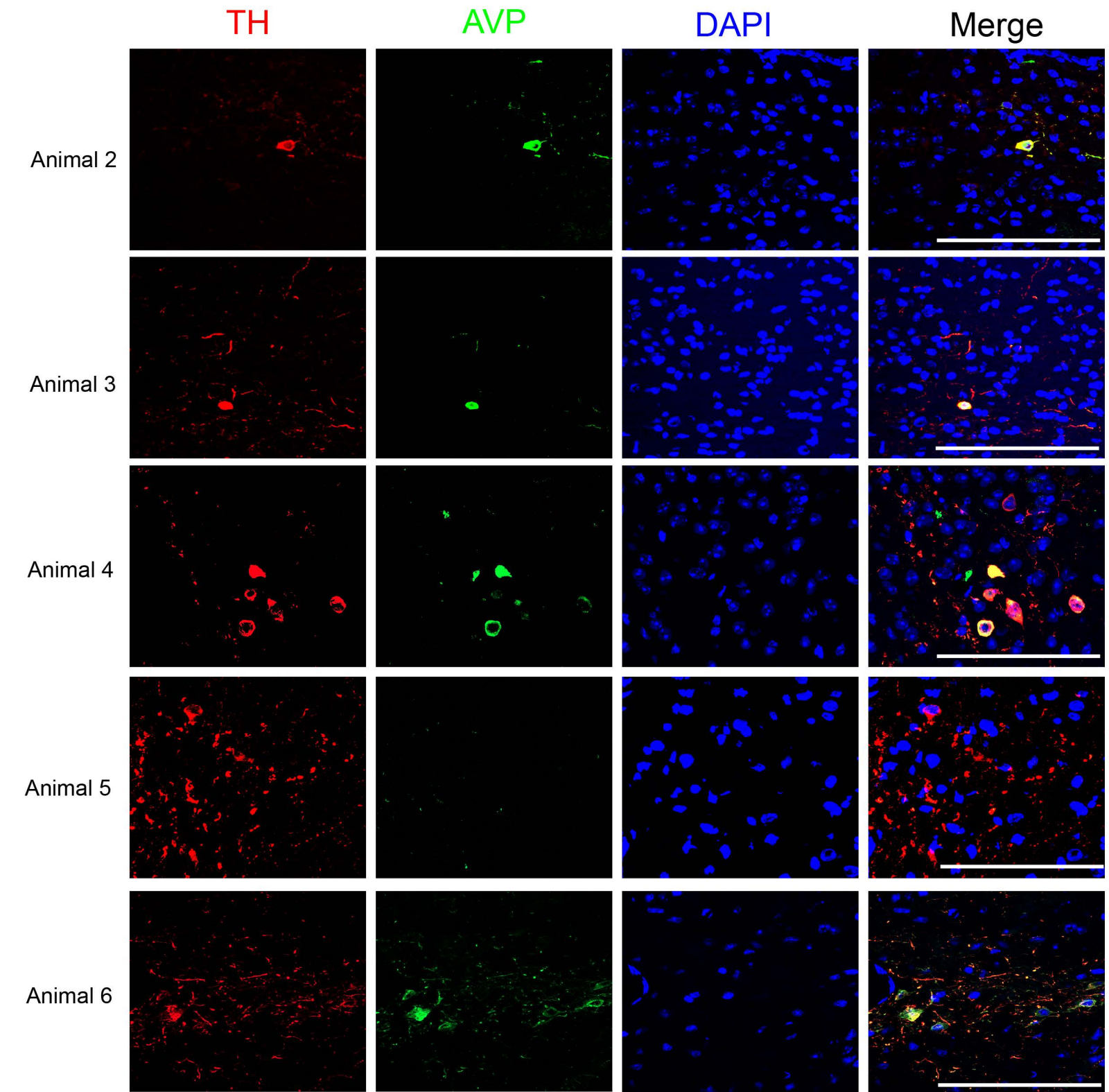


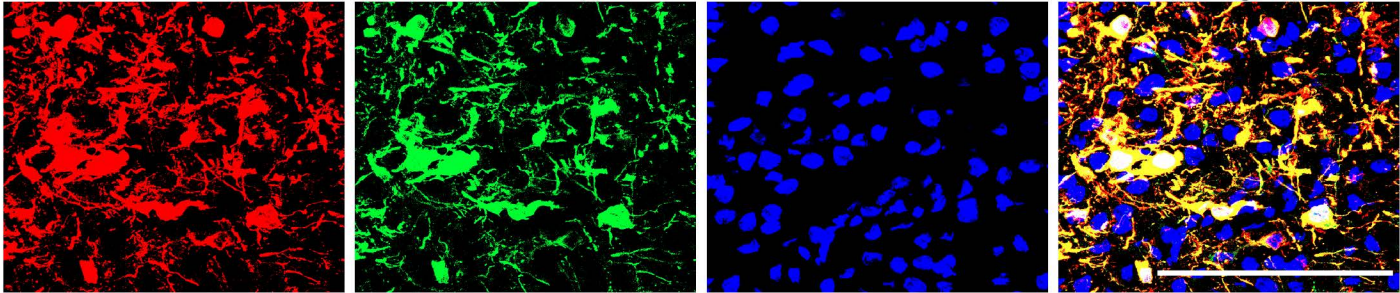
Figure 3 TH staining

EP4^{-/-} Veh Group

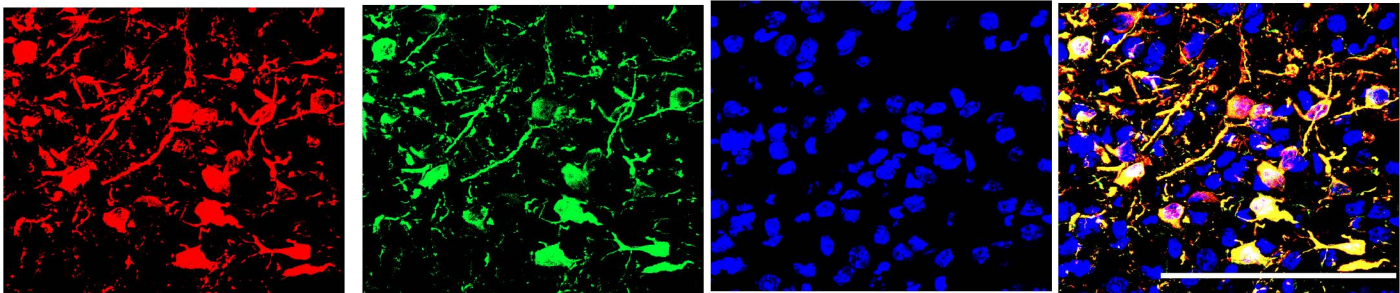
Animal 1-1
(main figure)

TH AVP DAPI Merge

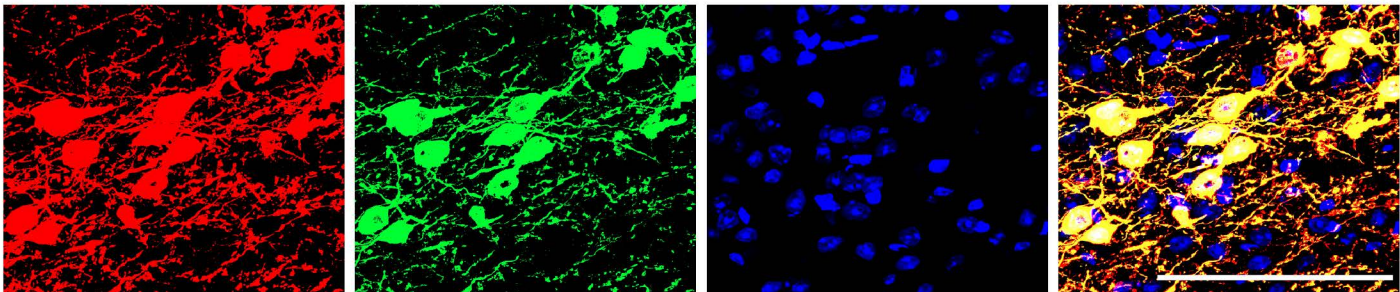
Animal 2



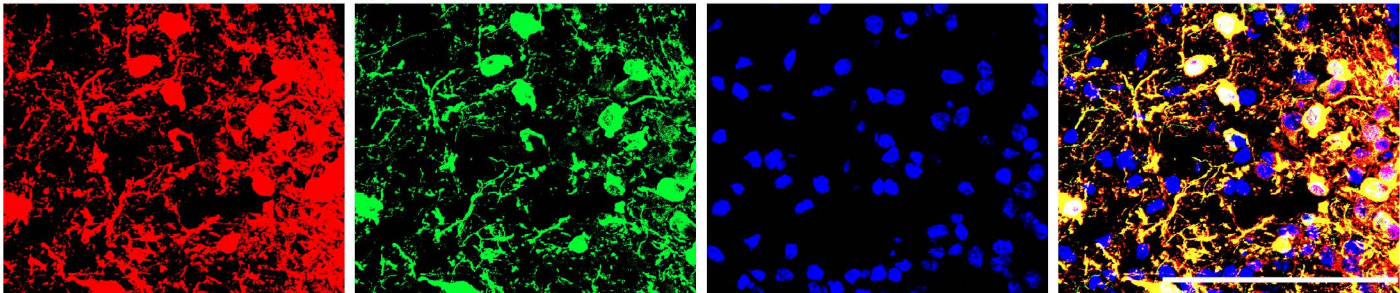
Animal 3



Animal 4



Animal 5



Animal 6

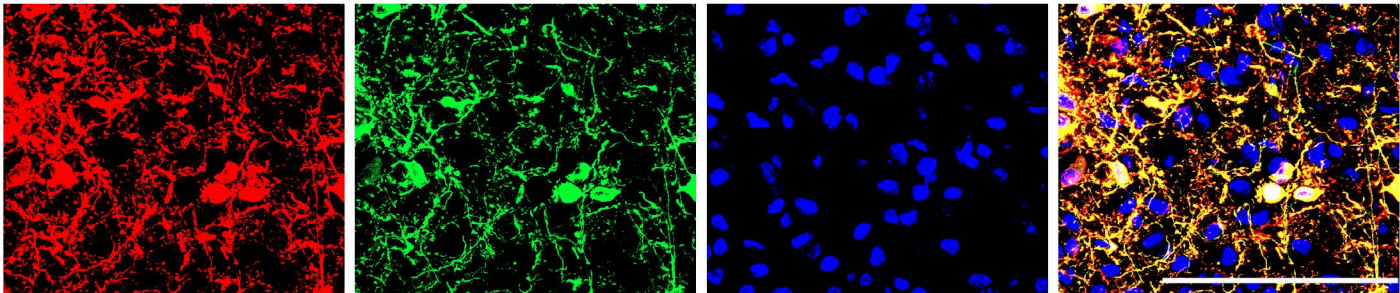


Figure 3 TH staining

EP4^{-/-} SWGroup

Animal 1-1
(main figure)

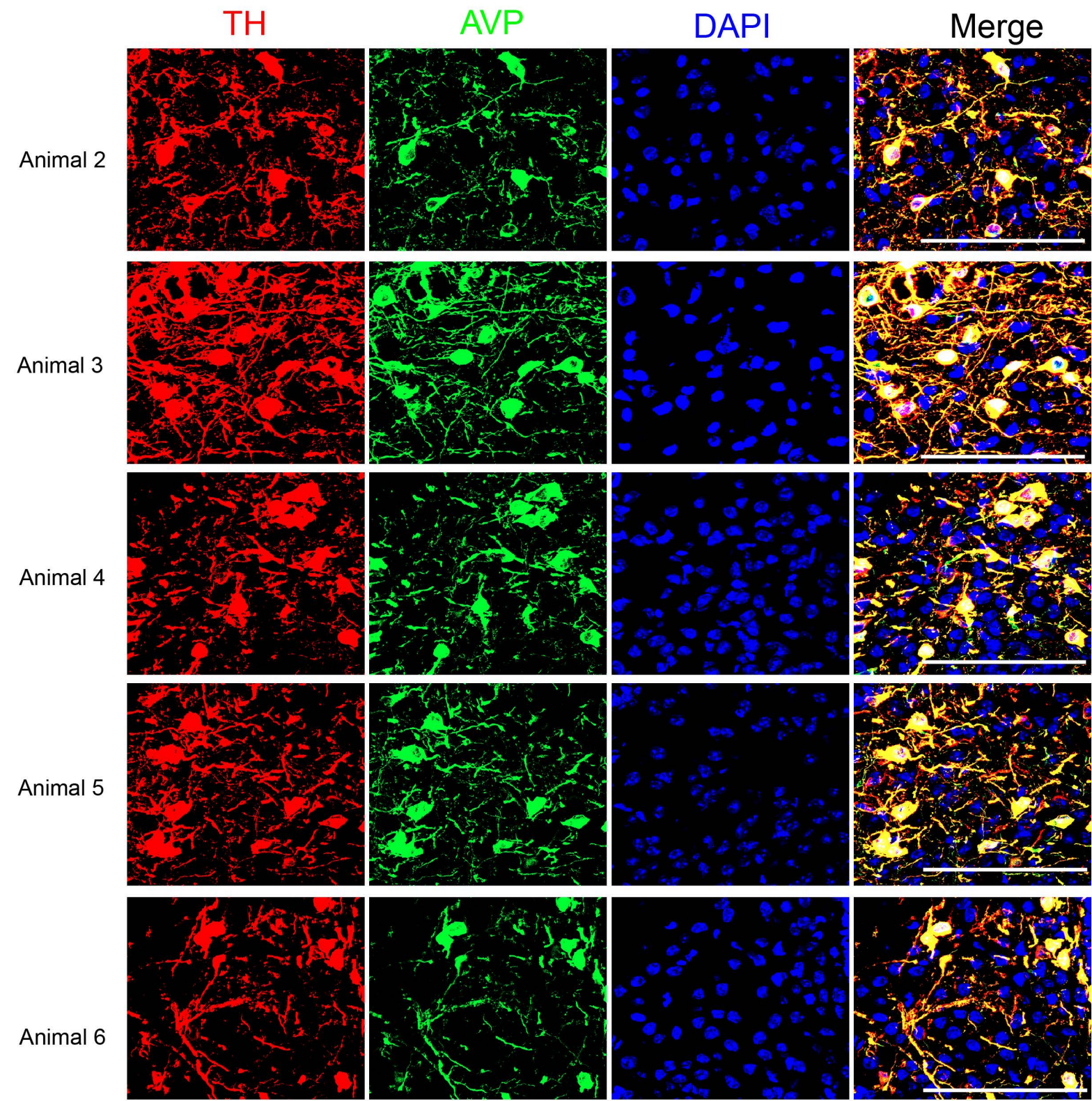


Figure 4 TH staining

AAV-Ctrl Group

Animal 1-1
(main figure)

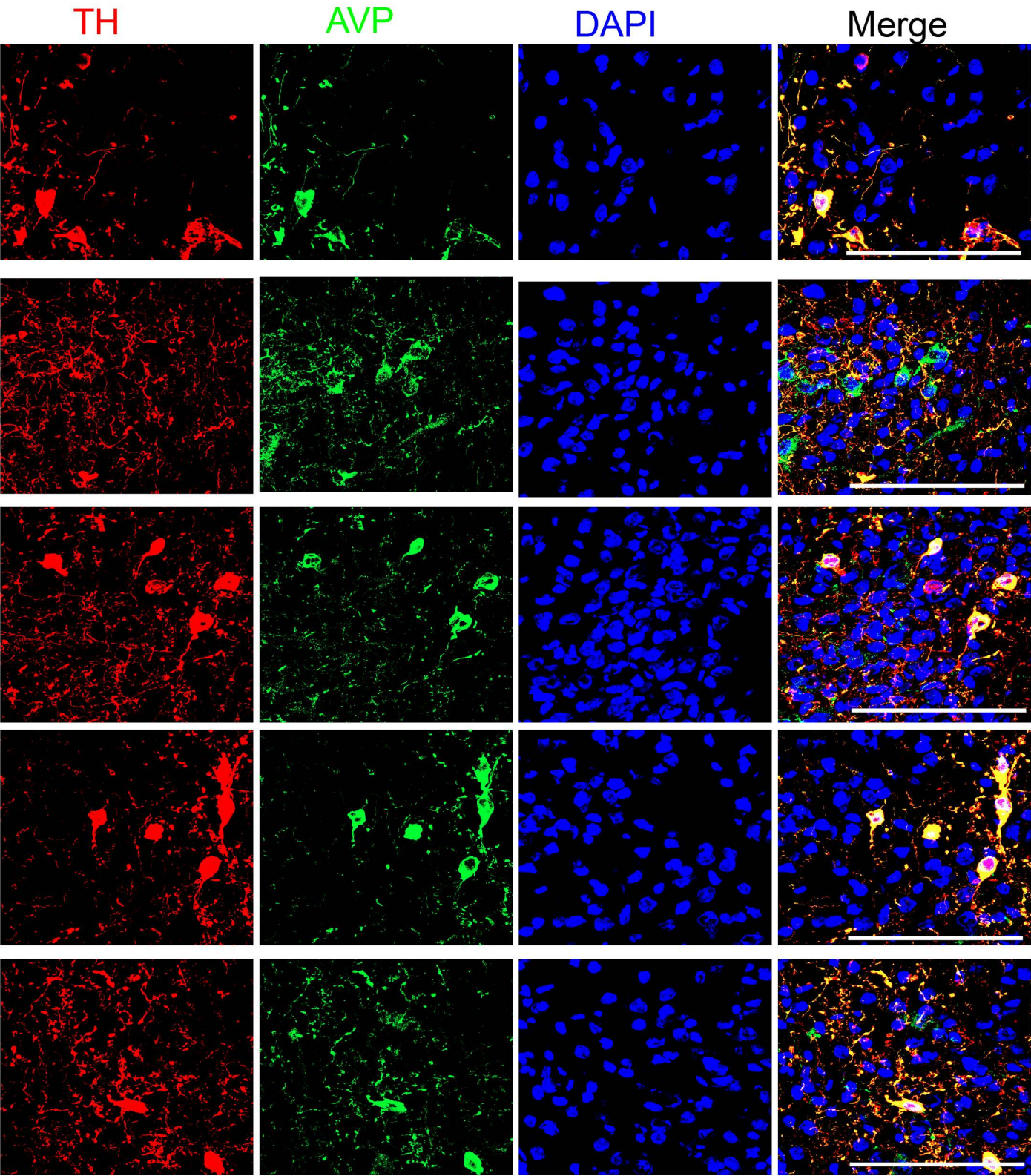


Figure 4 TH staining

AAV-shTH Group

Animal 1-1
(main figure)

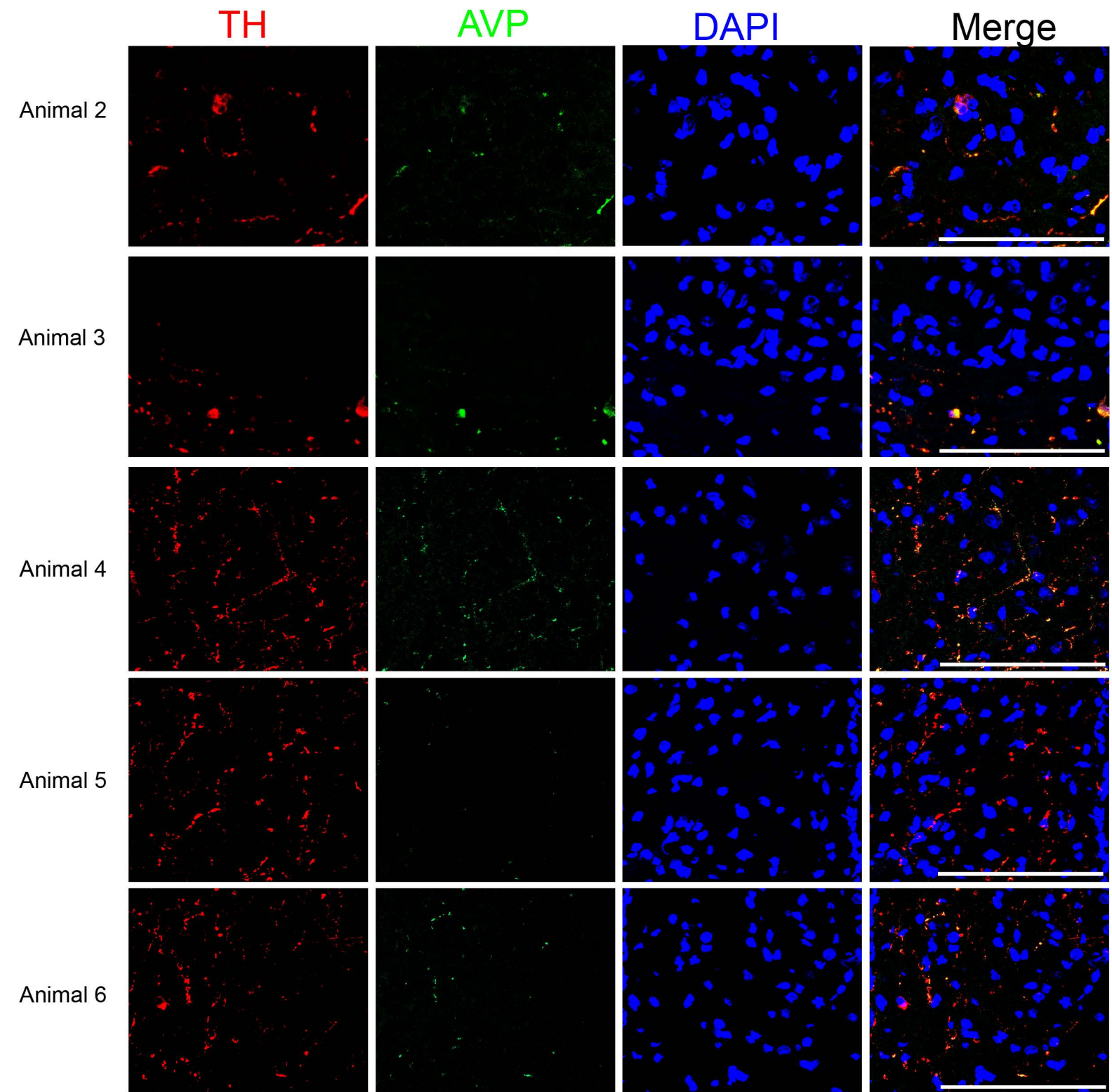


Figure 5 TH staining

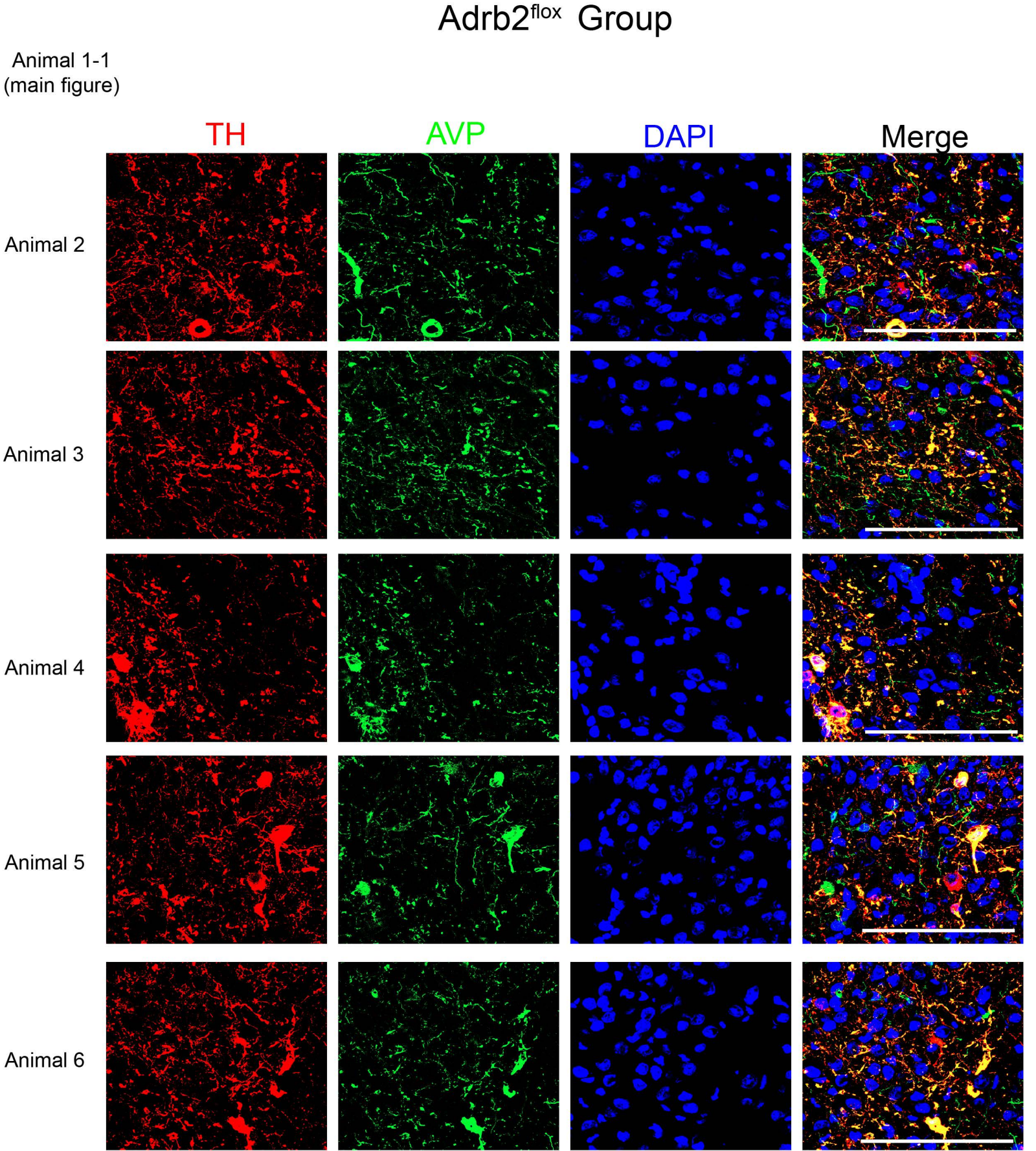


Figure 5 TH staining

Adrb2^{-/-} Group

Animal 1-1
(main figure)

