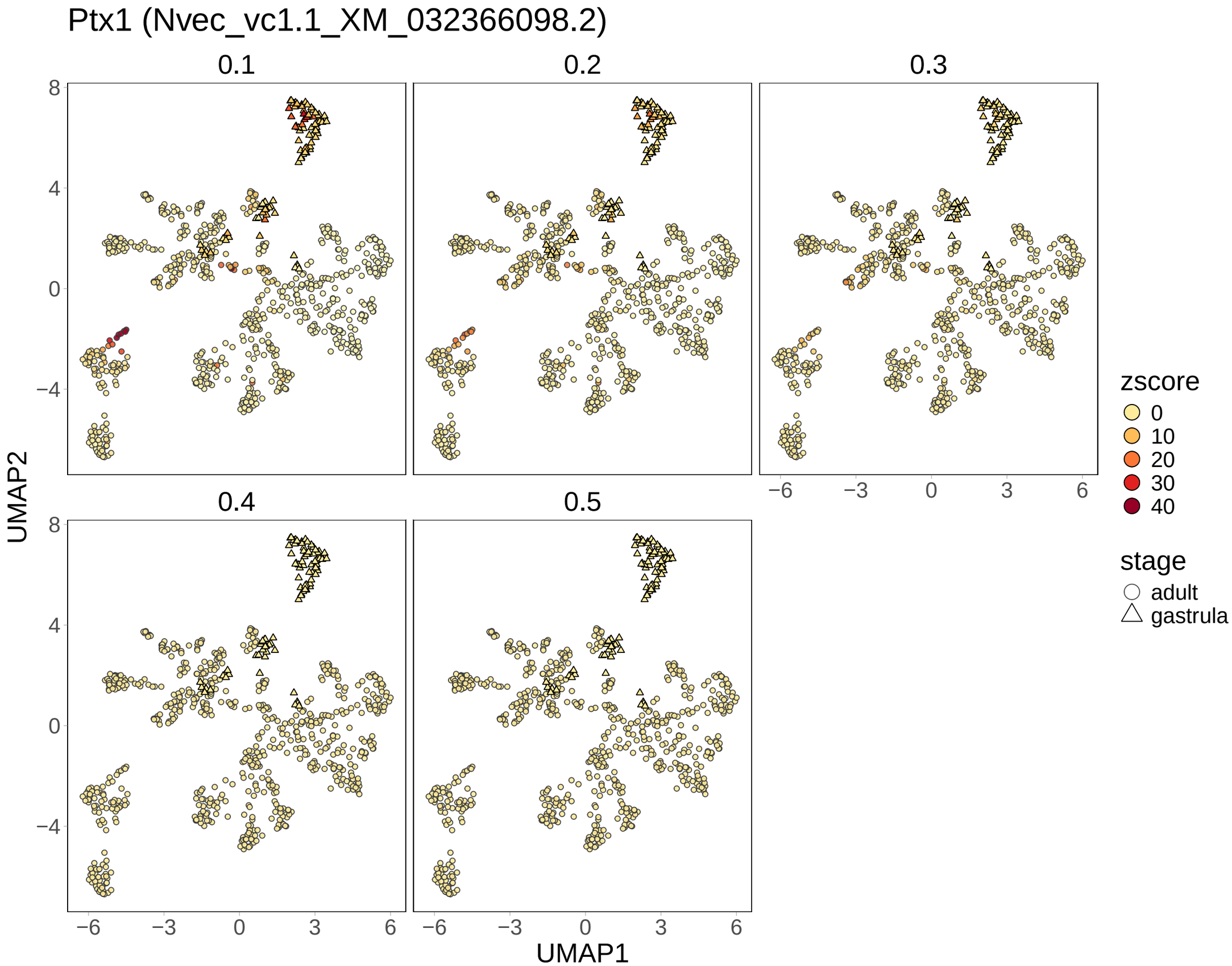
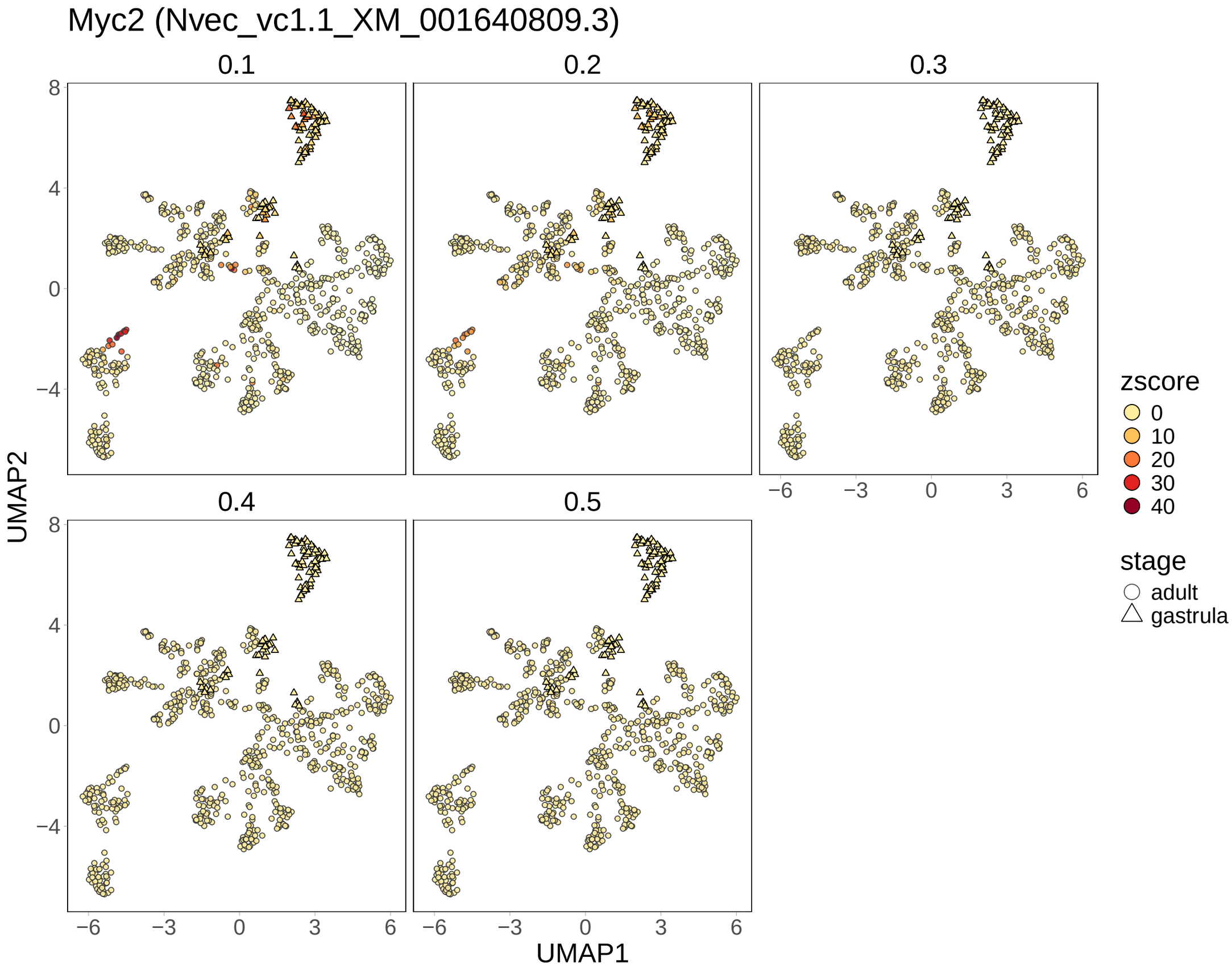
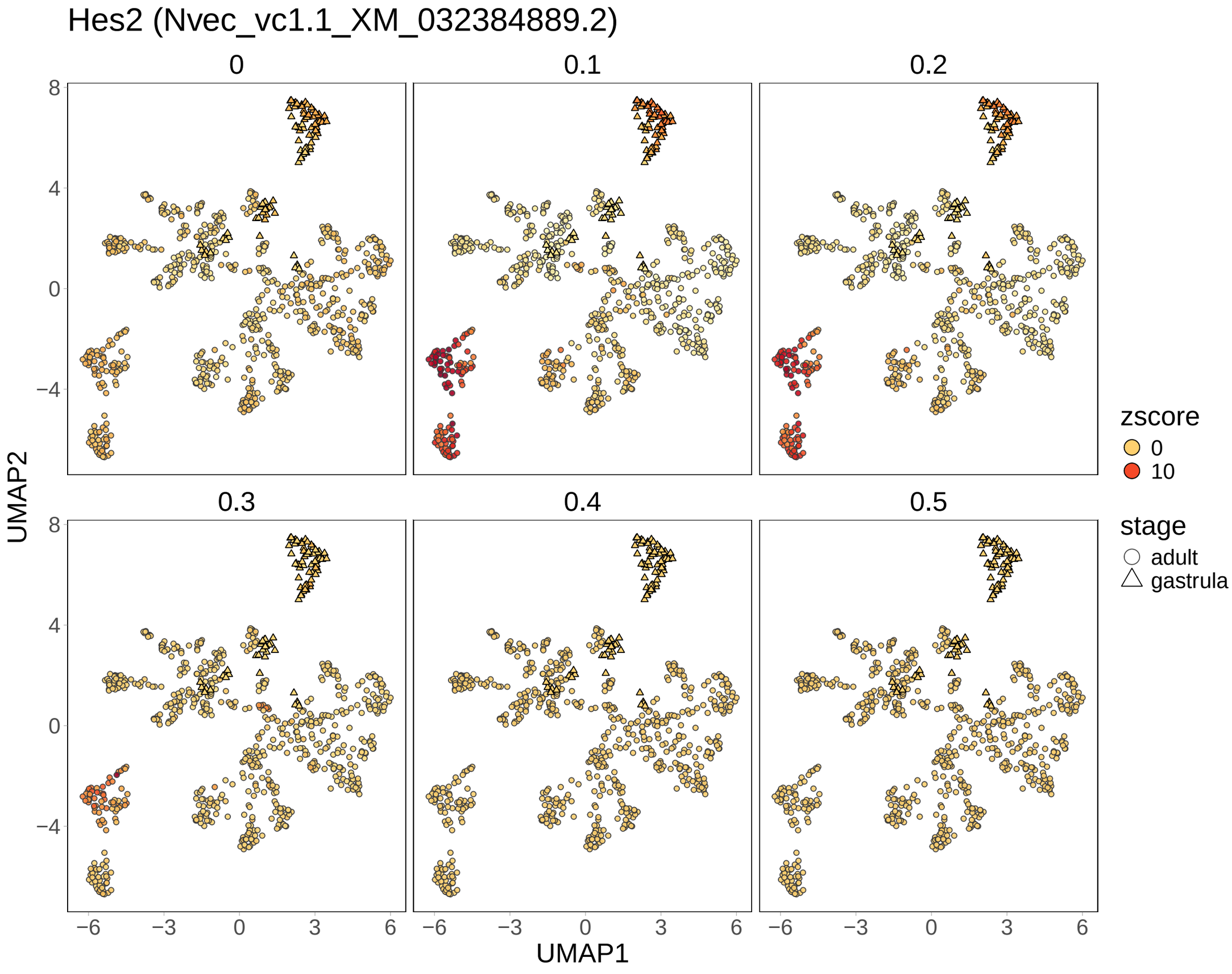
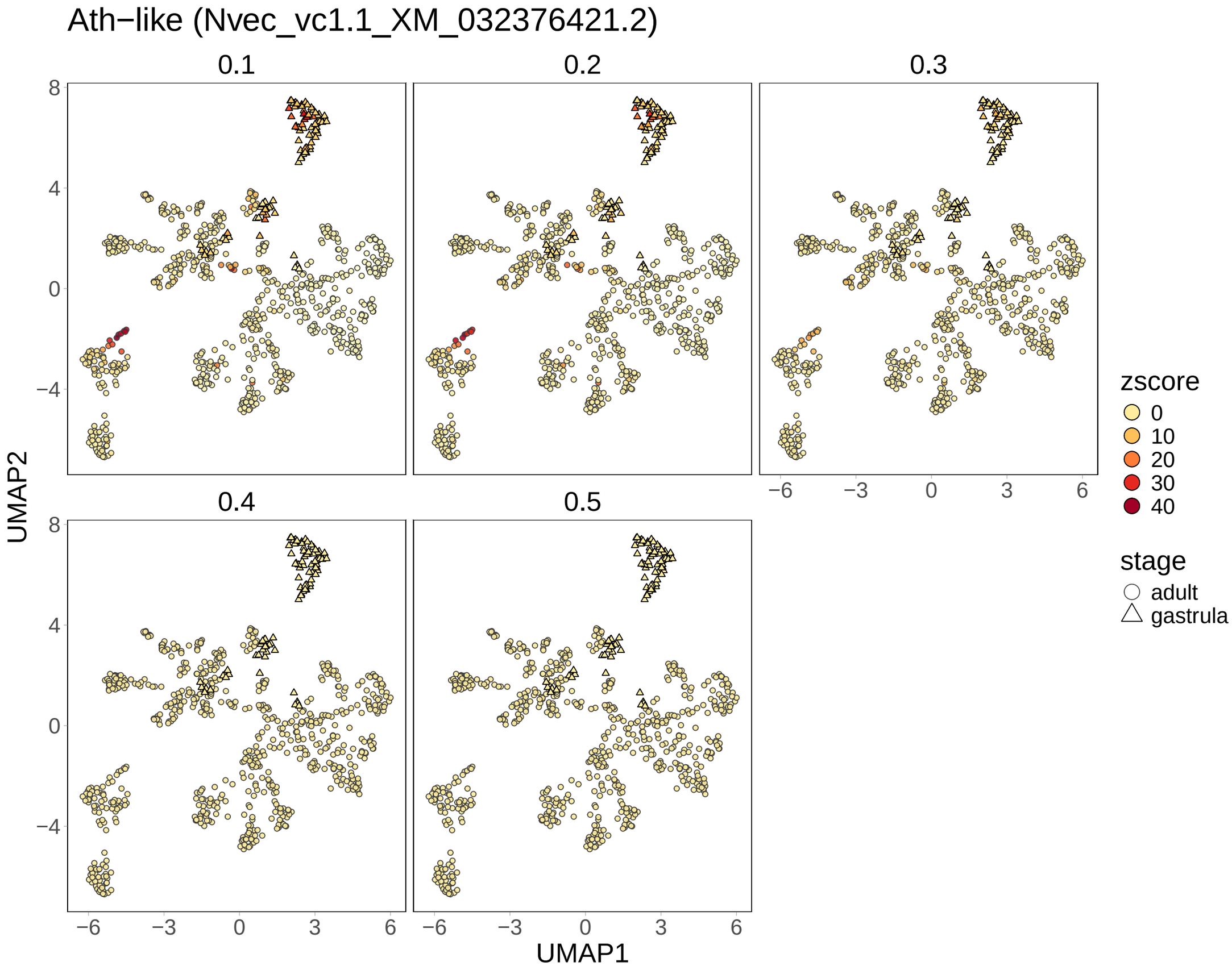
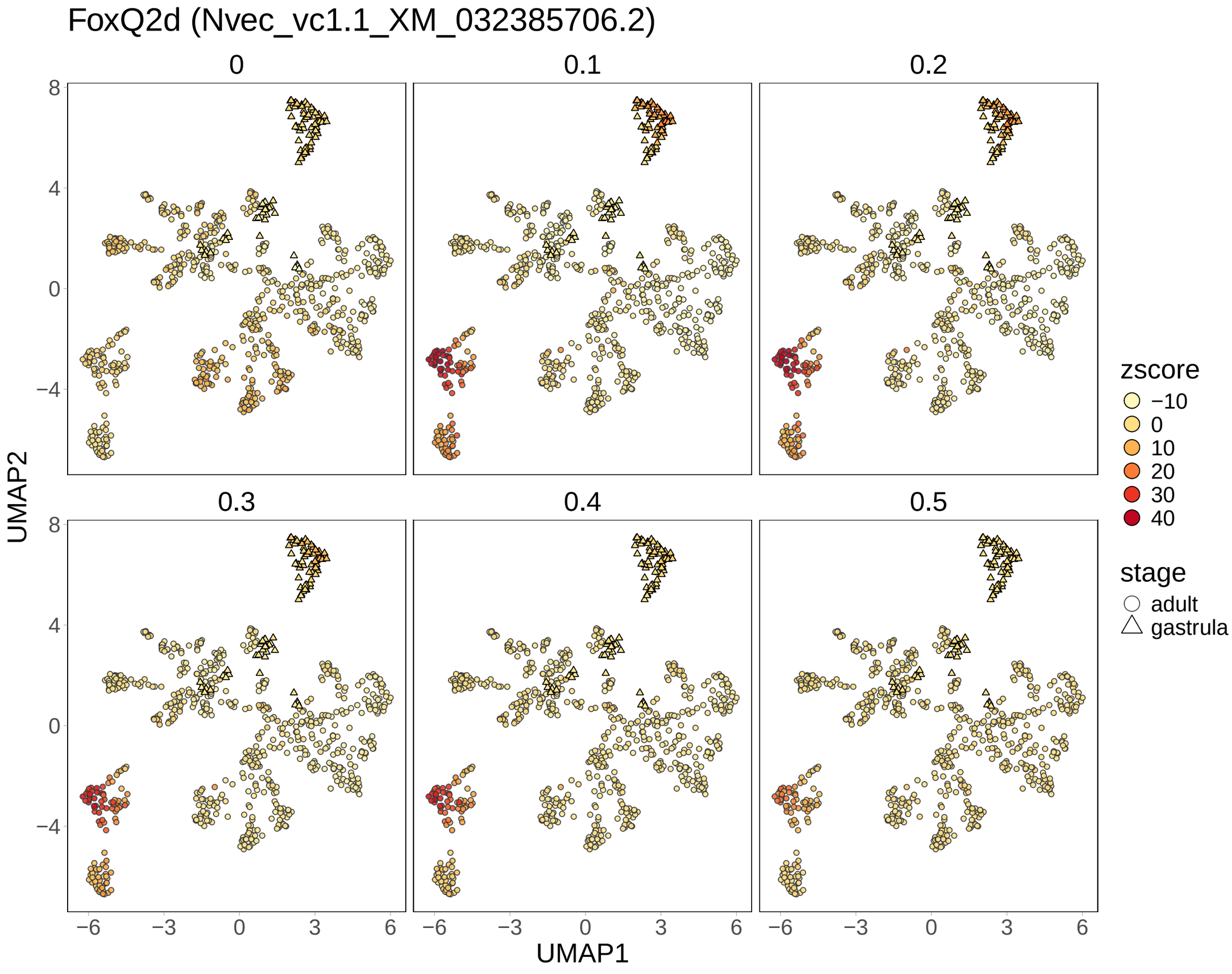
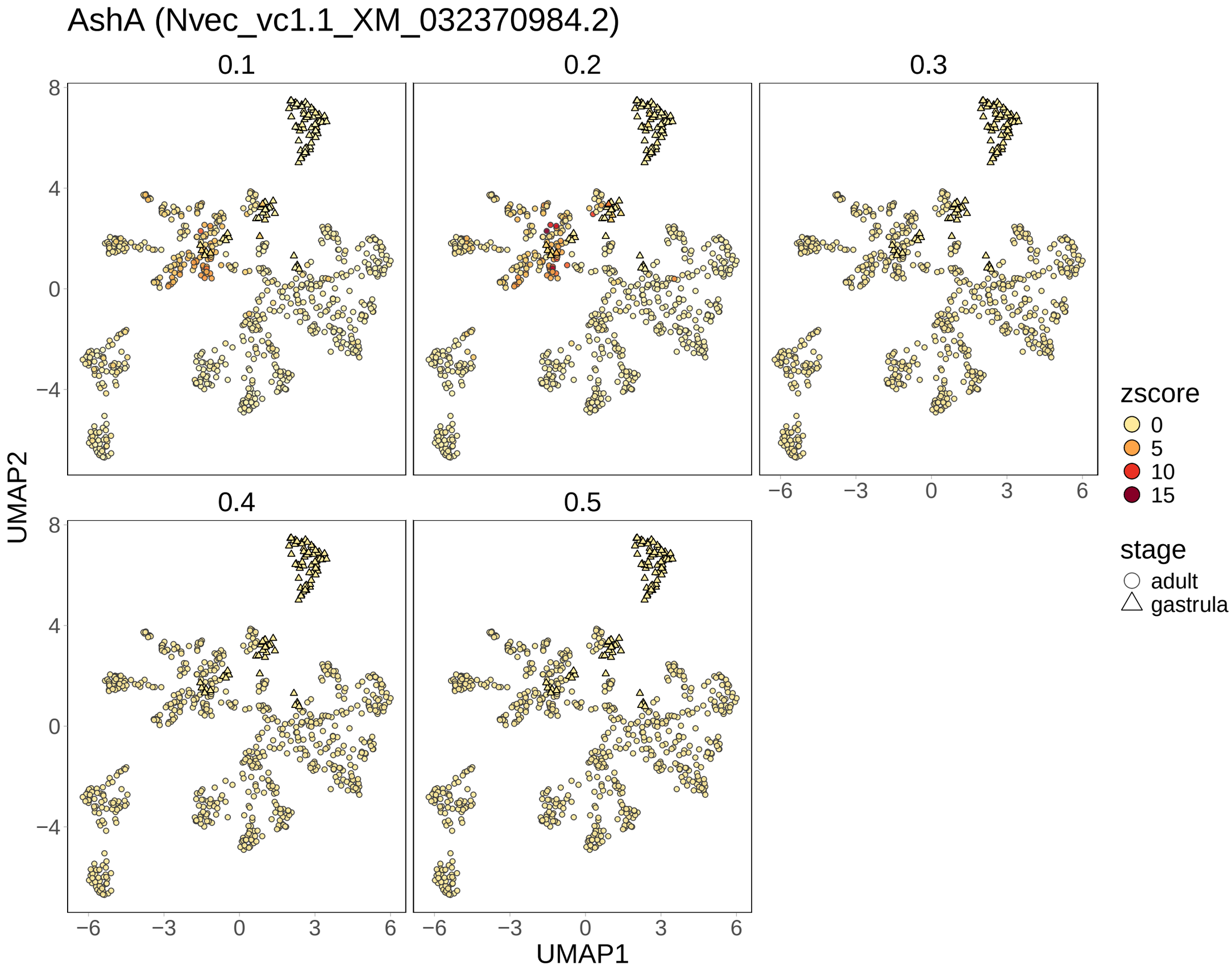

Ptx1 (Nvec_vc1.1_XM_032366098.2)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
30
40
stage
adult
gastrula

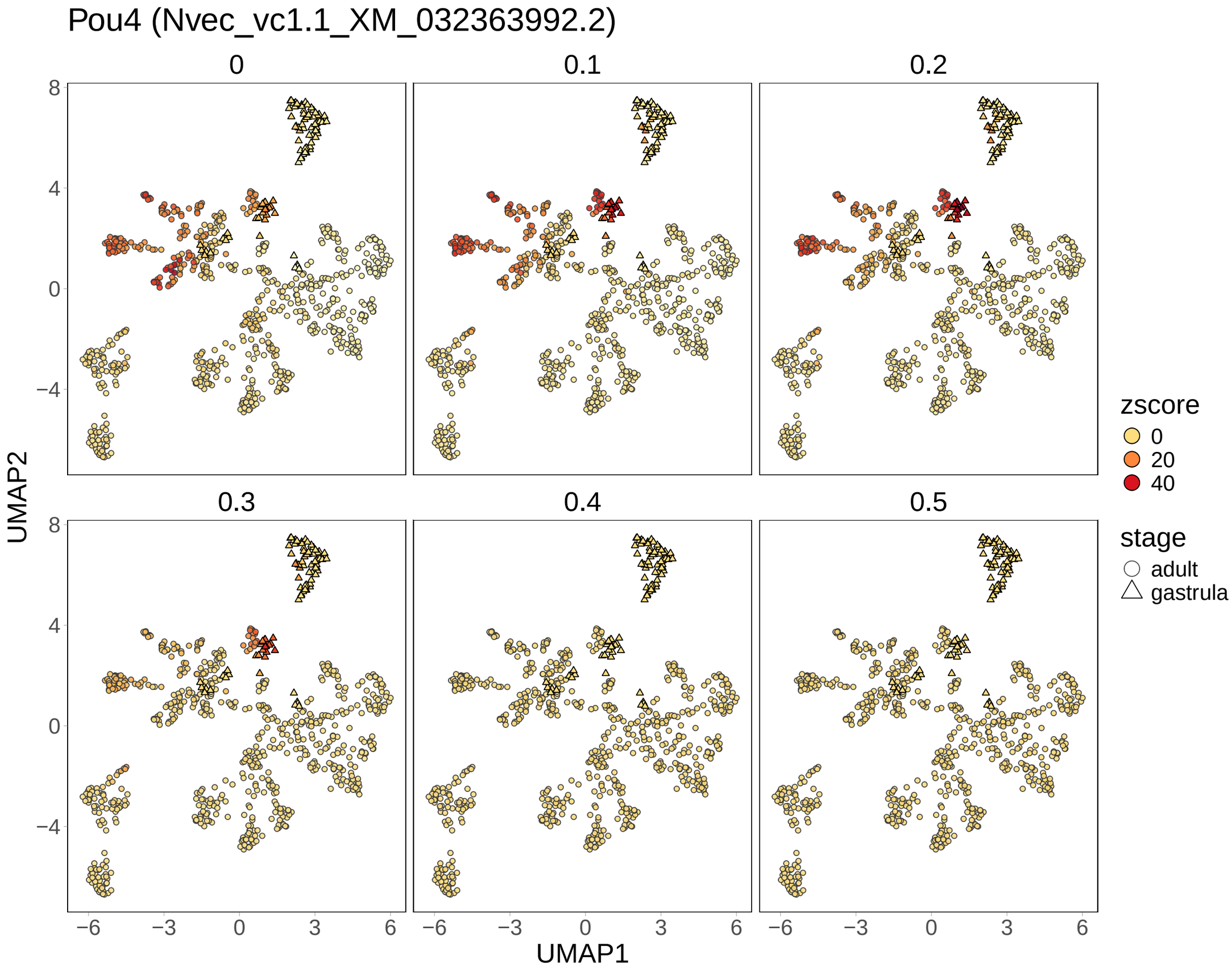

Myc2 (Nvec_vc1.1_XM_001640809.3)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
30
40
stage
adult
gastrula

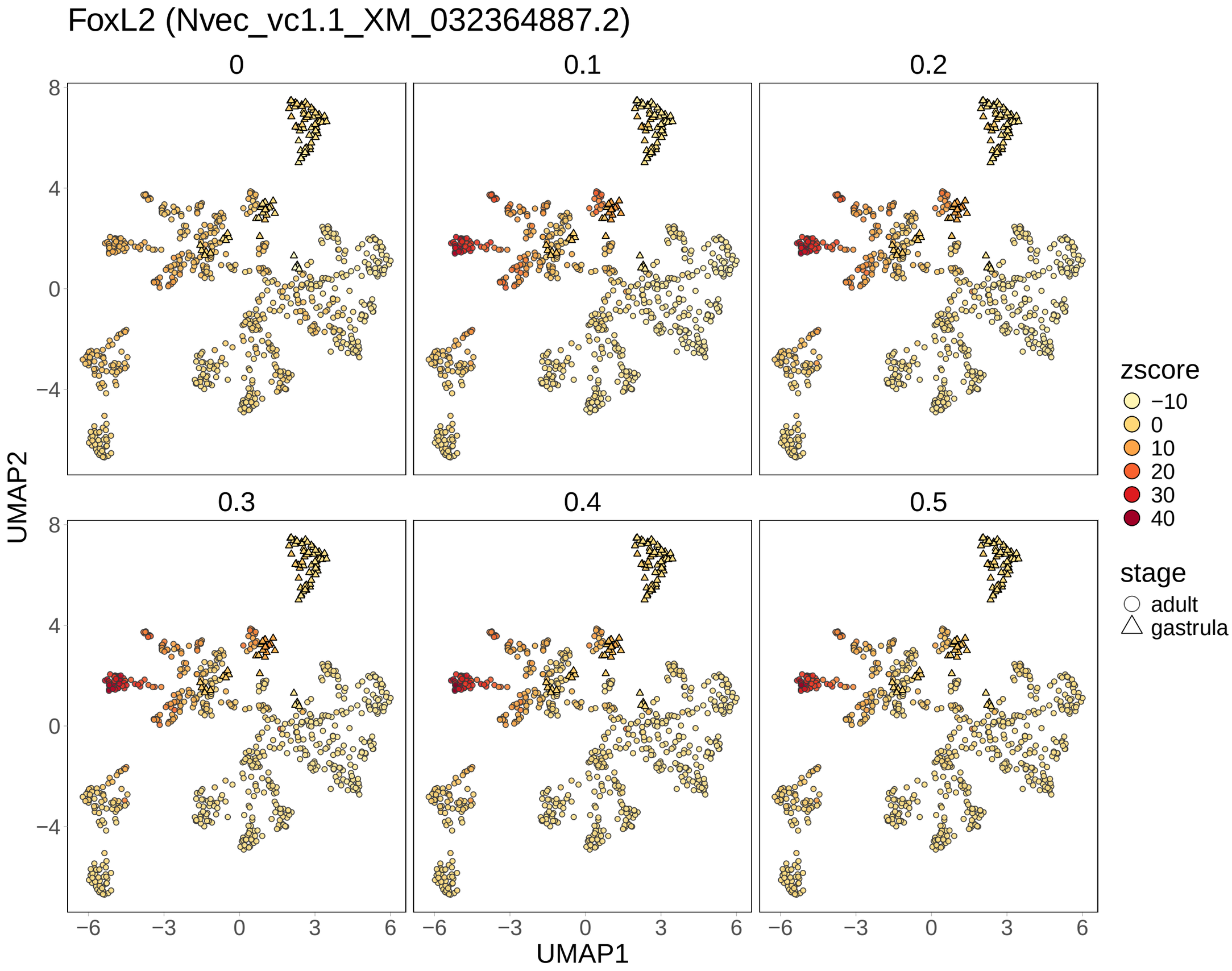

Hes2 (Nvec_vc1.1_XM_032384889.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
stage
adult
gastrula

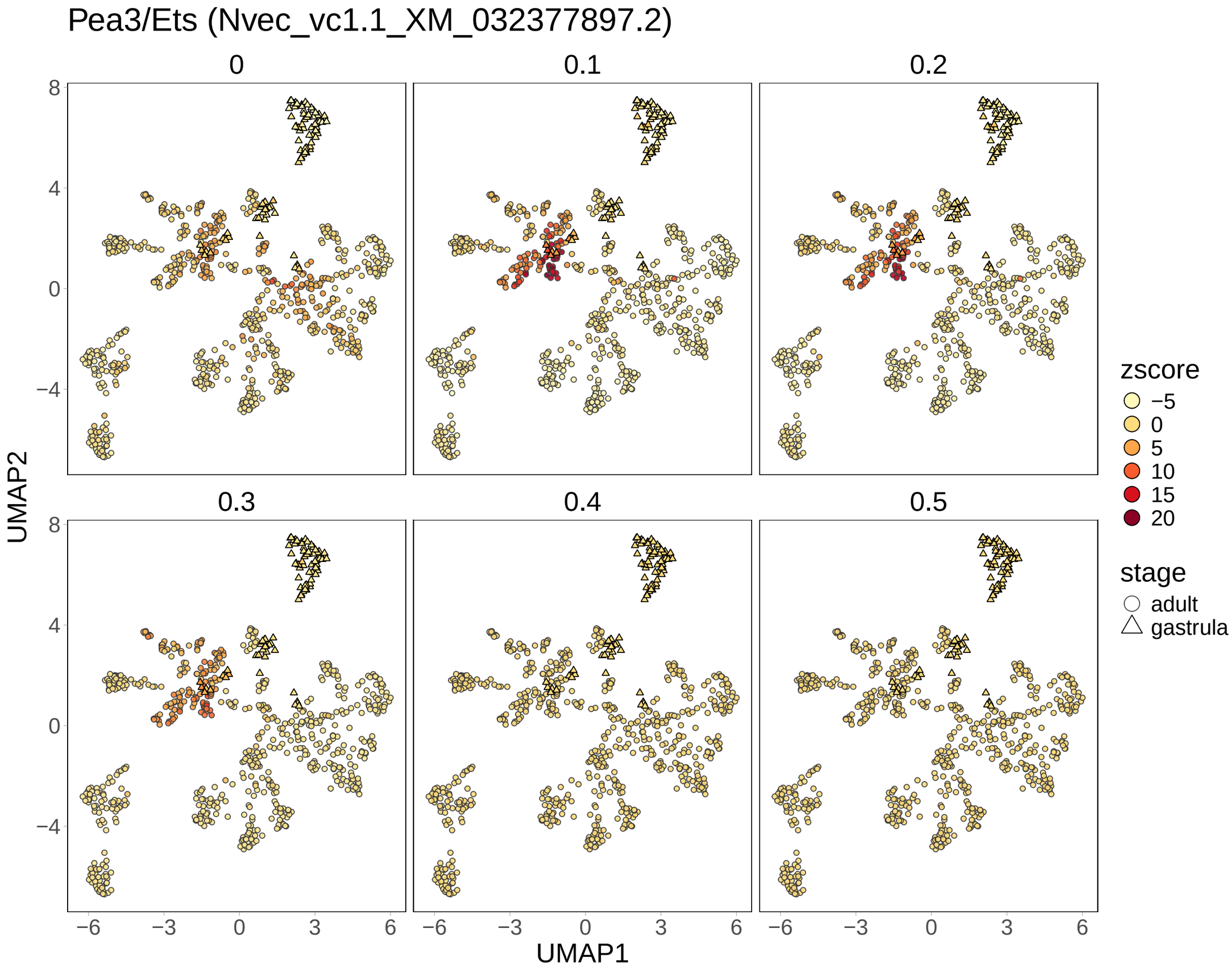

Ath−like (Nvec_vc1.1_XM_032376421.2)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
30
40
stage
adult
gastrula

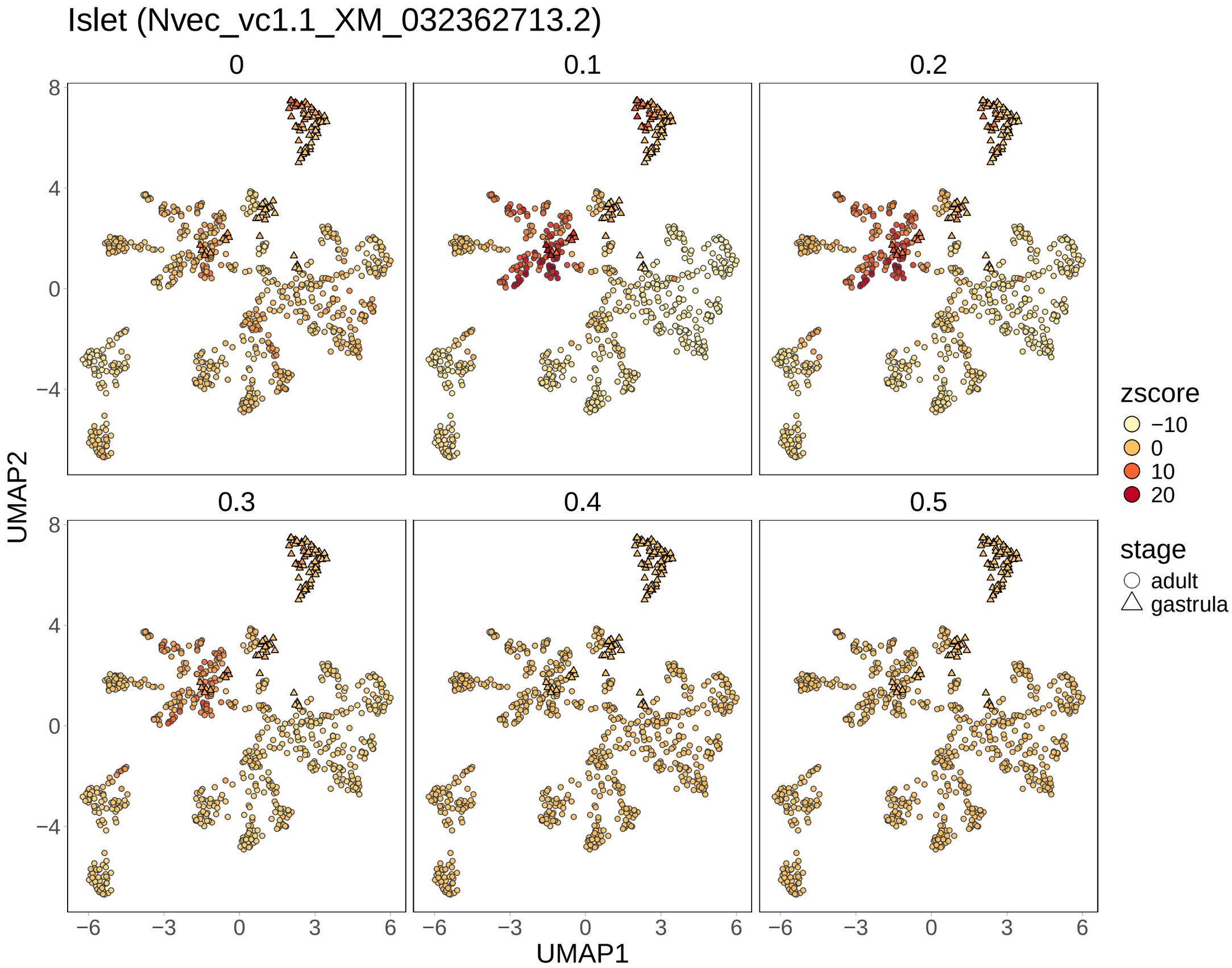

FoxQ2d (Nvec_vc1.1_XM_032385706.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
30
40
stage
adult
gastrula

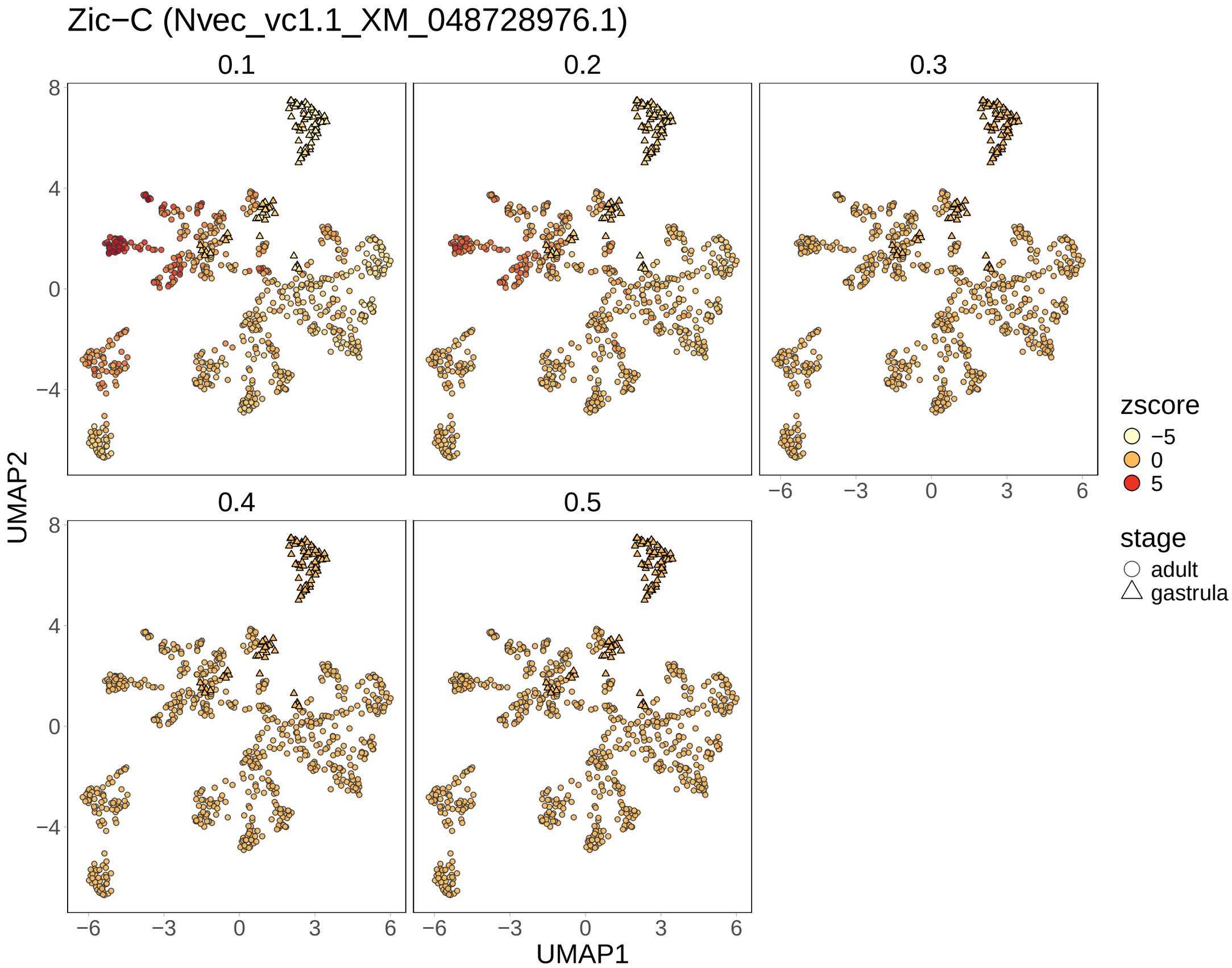

AshA (Nvec_vc1.1_XM_032370984.2)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
5
10
15
stage
adult
gastrula

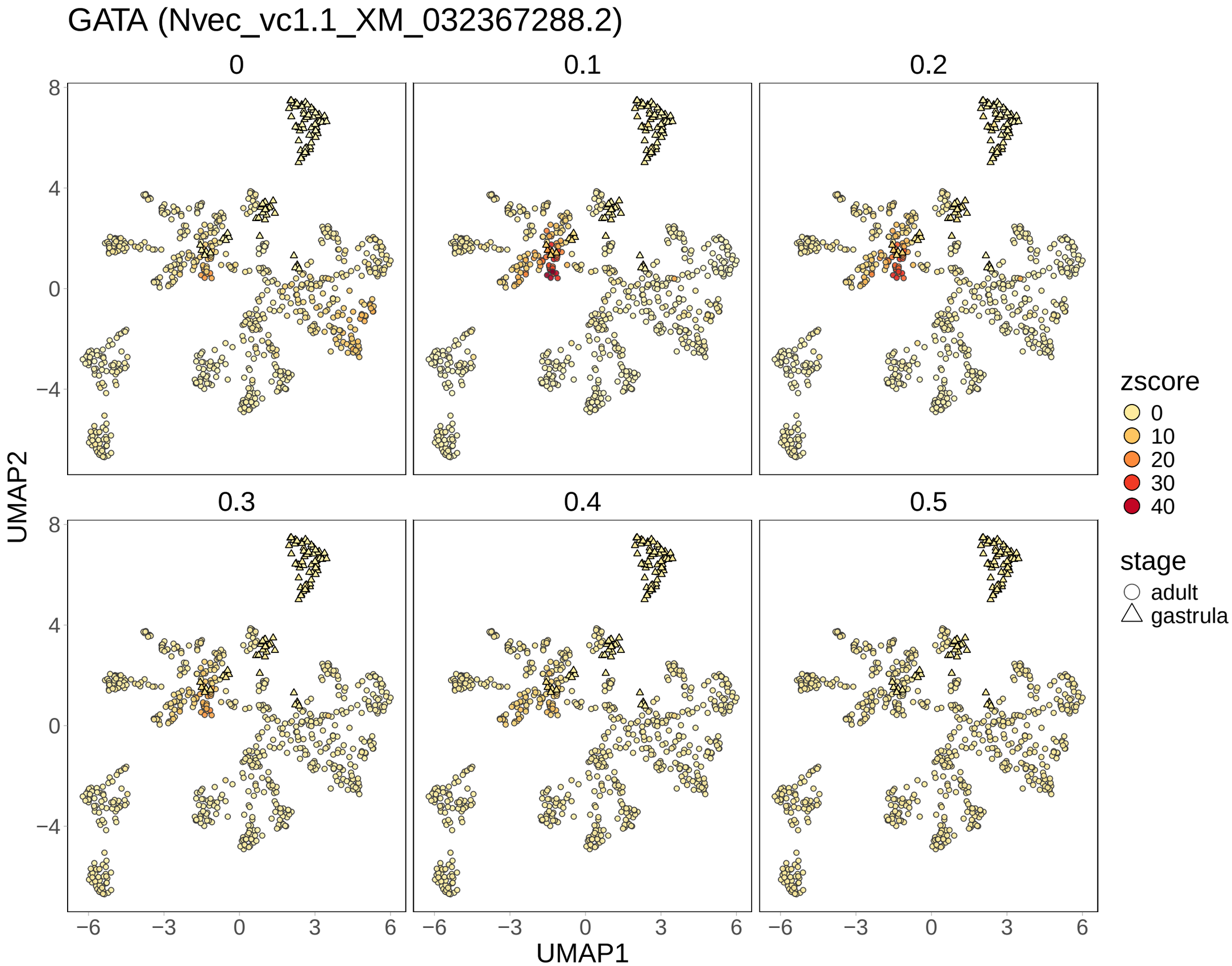

Pou4 (Nvec_vc1.1_XM_032363992.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
20
40
stage
adult
gastrula


FoxL2 (Nvec_vc1.1_XM_032364887.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
30
40
stage
adult
gastrula

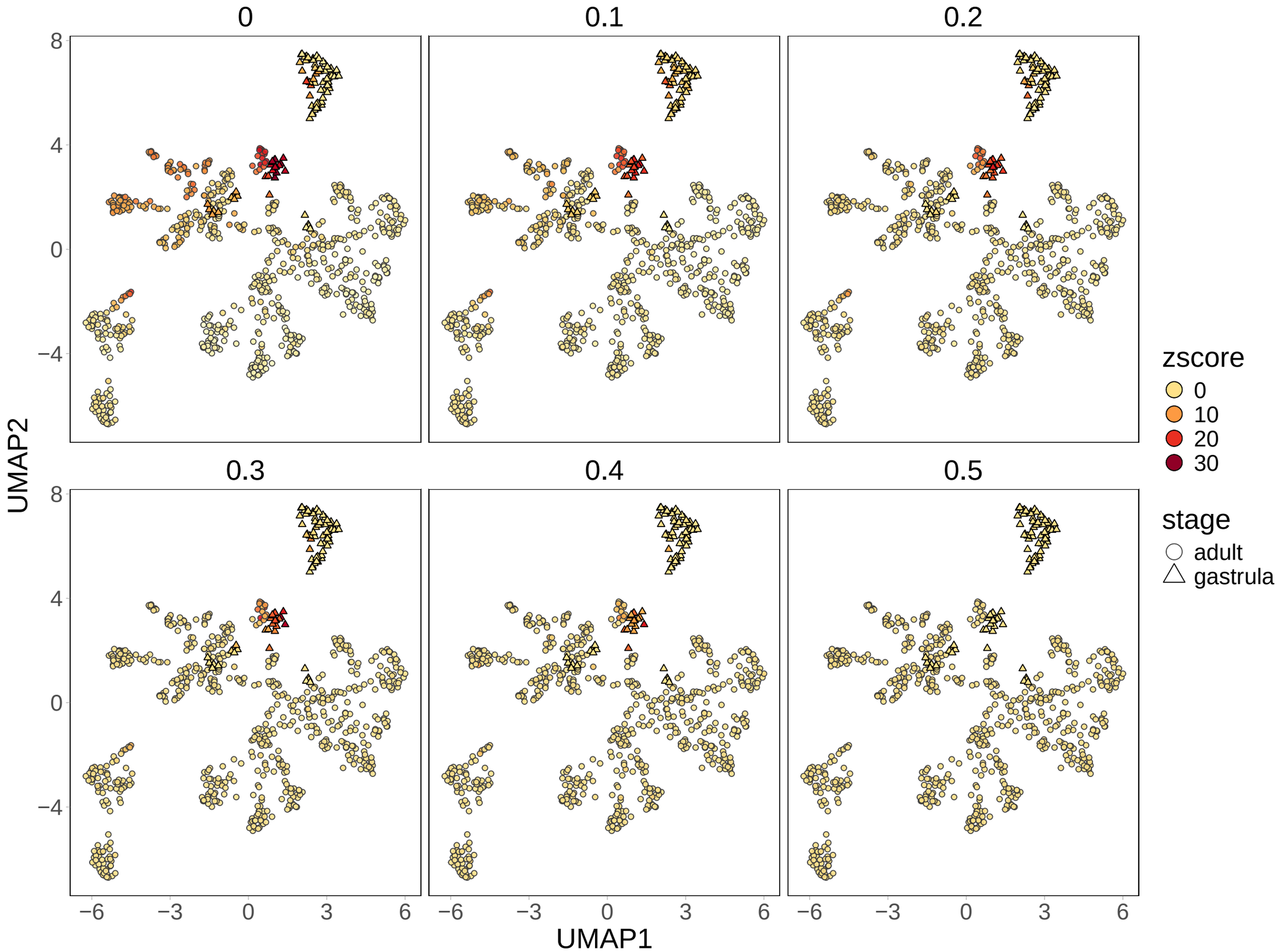

Pea3/Ets (Nvec_vc1.1_XM_032377897.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−5
0
5
10
15
20
stage
adult
gastrula

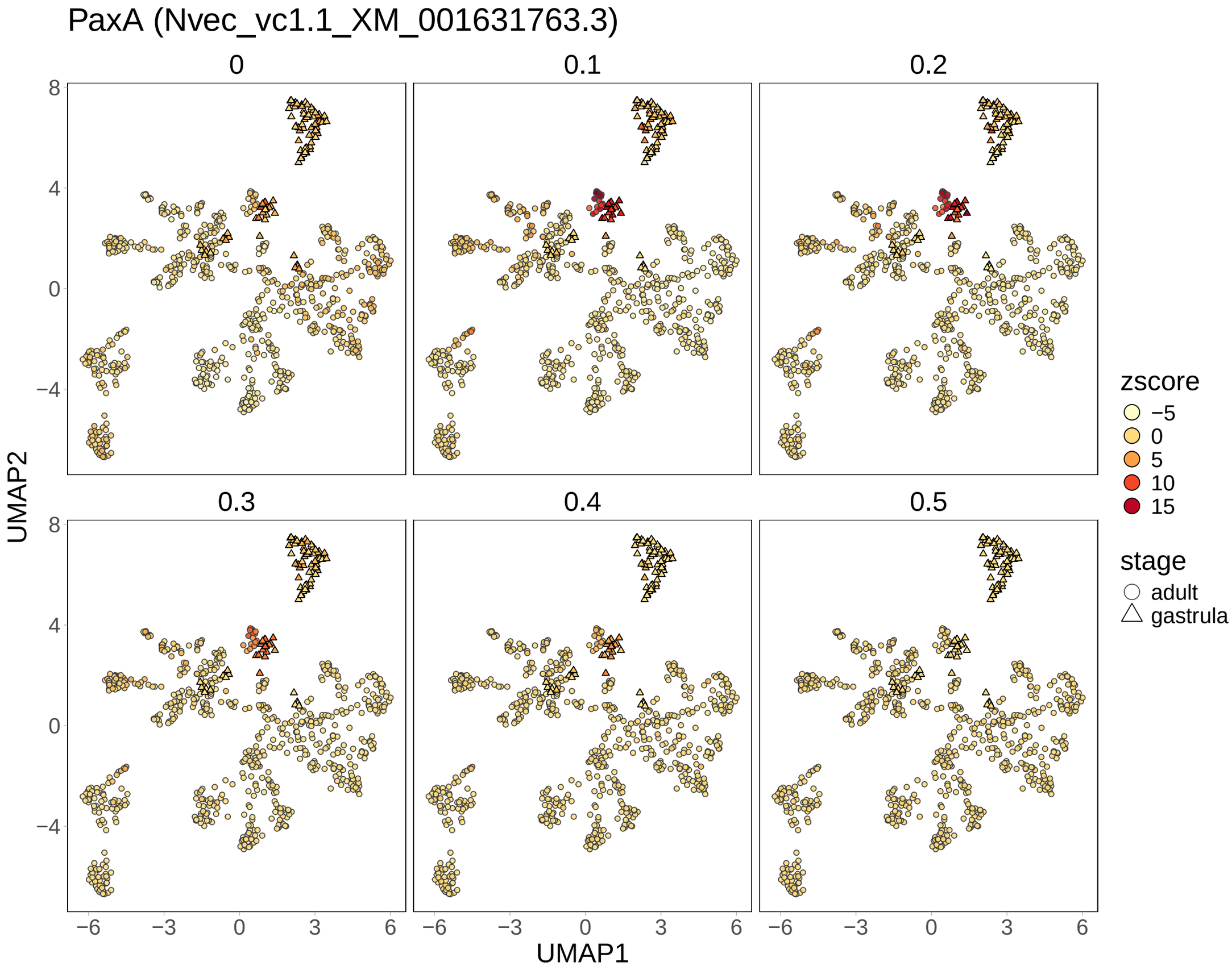

Islet (Nvec_vc1.1_XM_032362713.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
stage
adult
gastrula

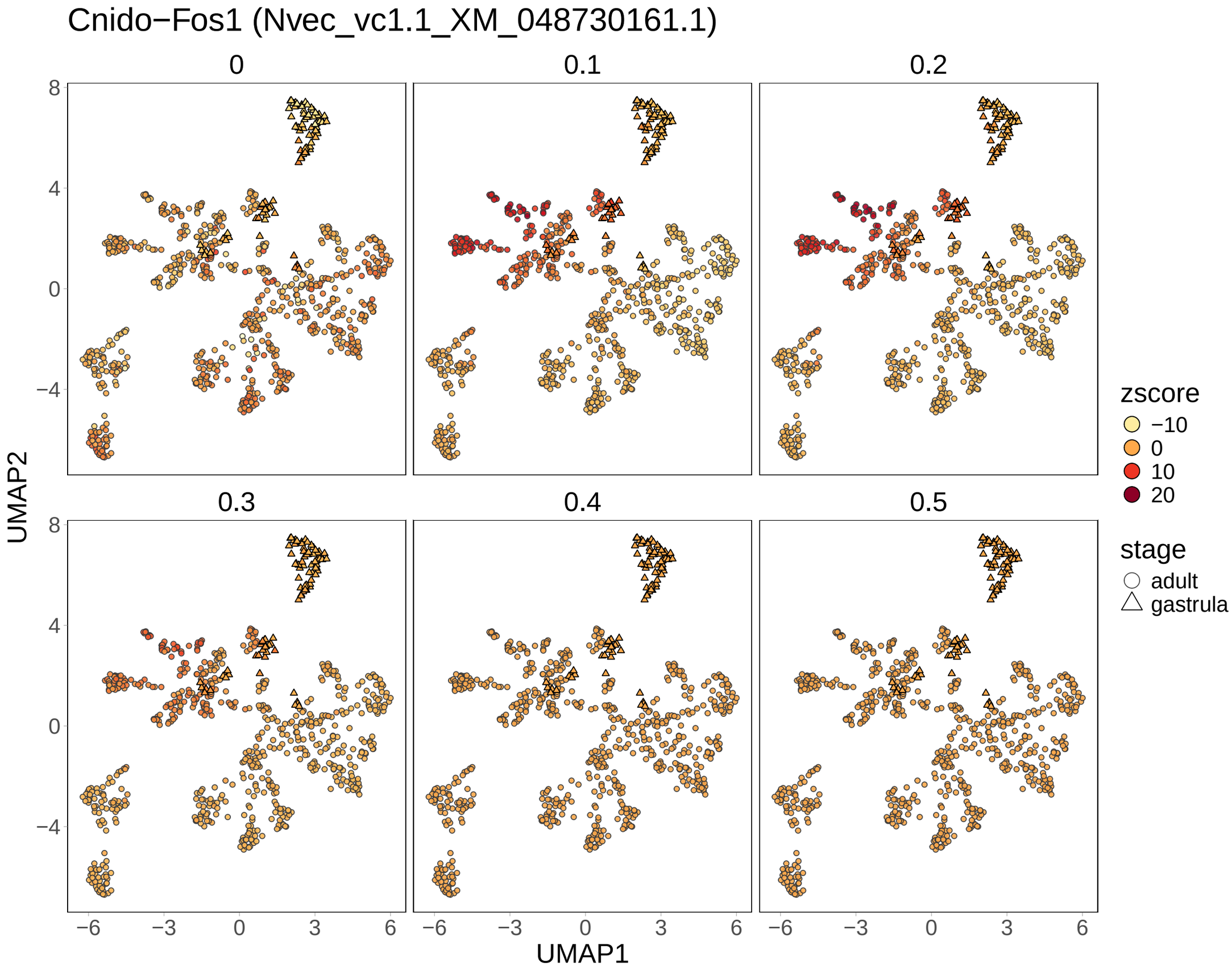

Zic−C (Nvec_vc1.1_XM_048728976.1)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−5
0
5
stage
adult
gastrula

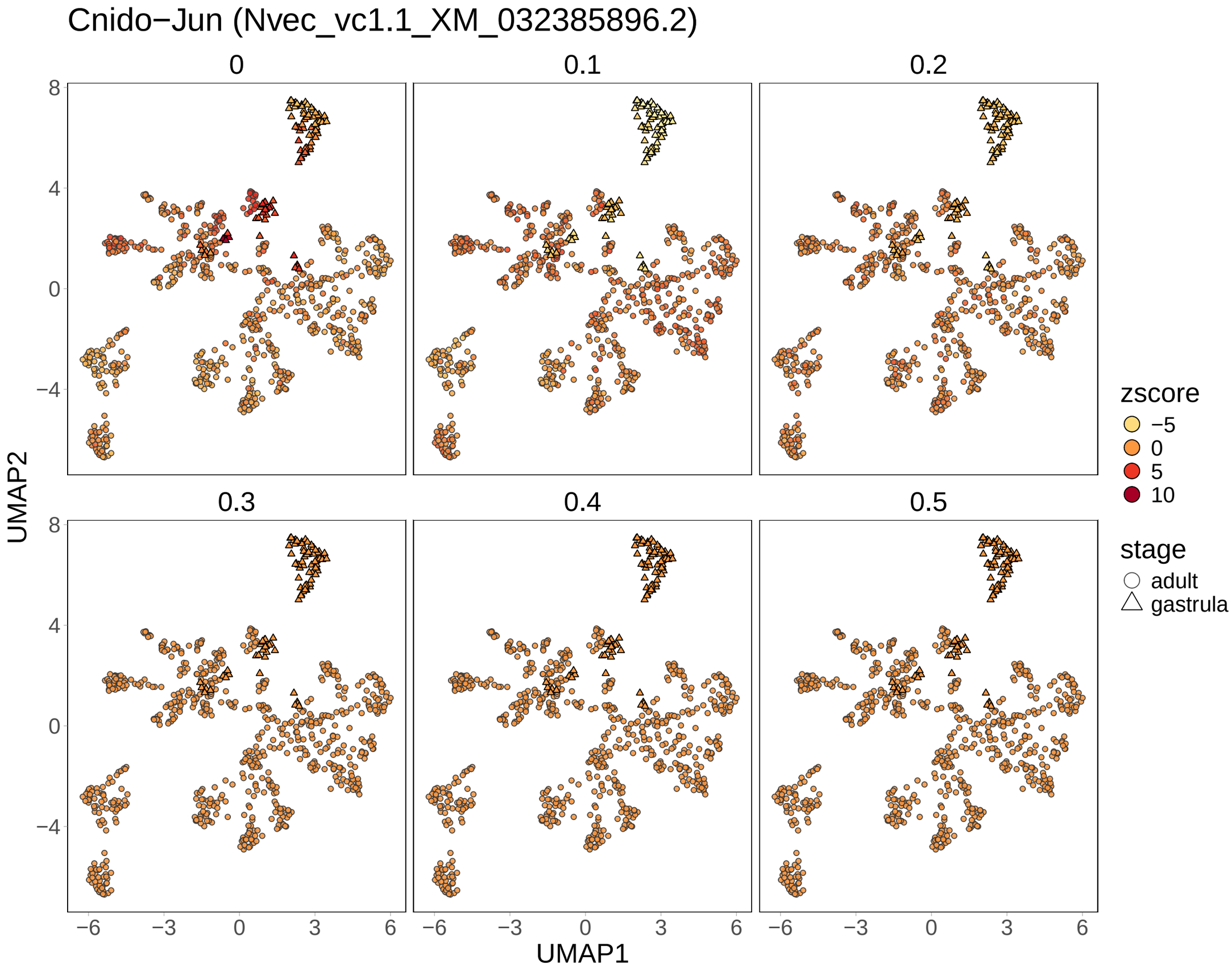

GATA (Nvec_vc1.1_XM_032367288.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
30
40
stage
adult
gastrula

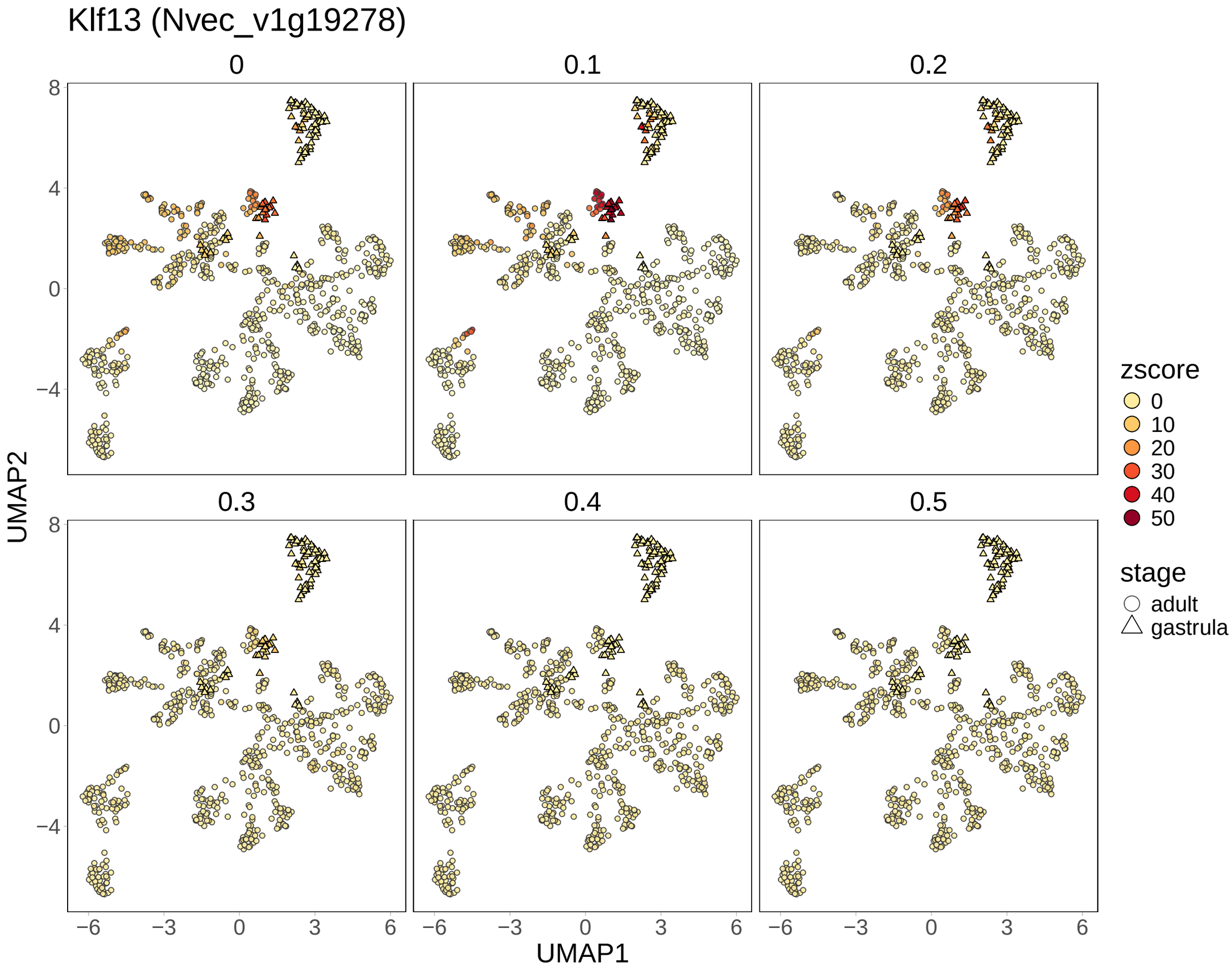
ZNF845 (Nvec_vc1.1_XM_001641129.3)

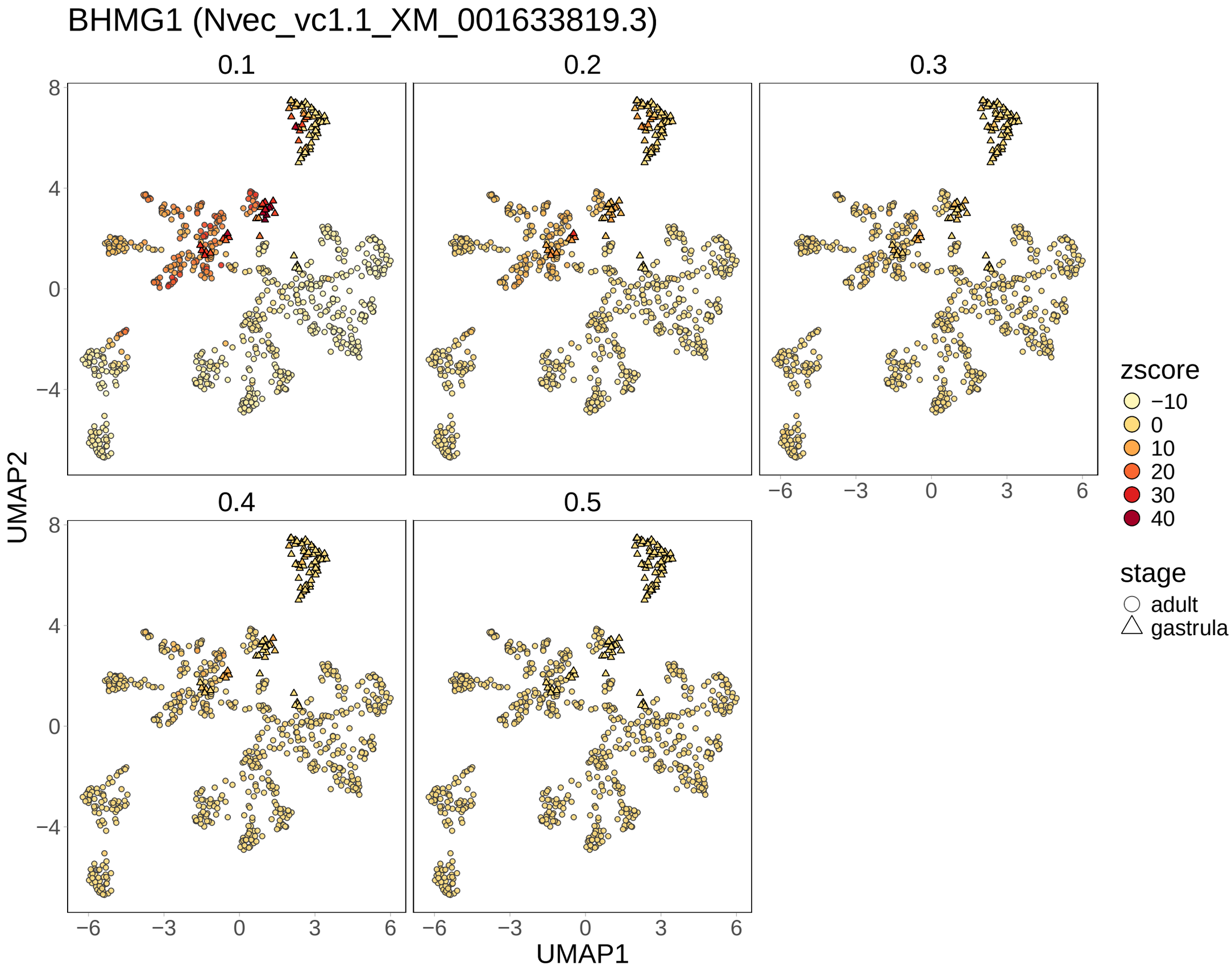


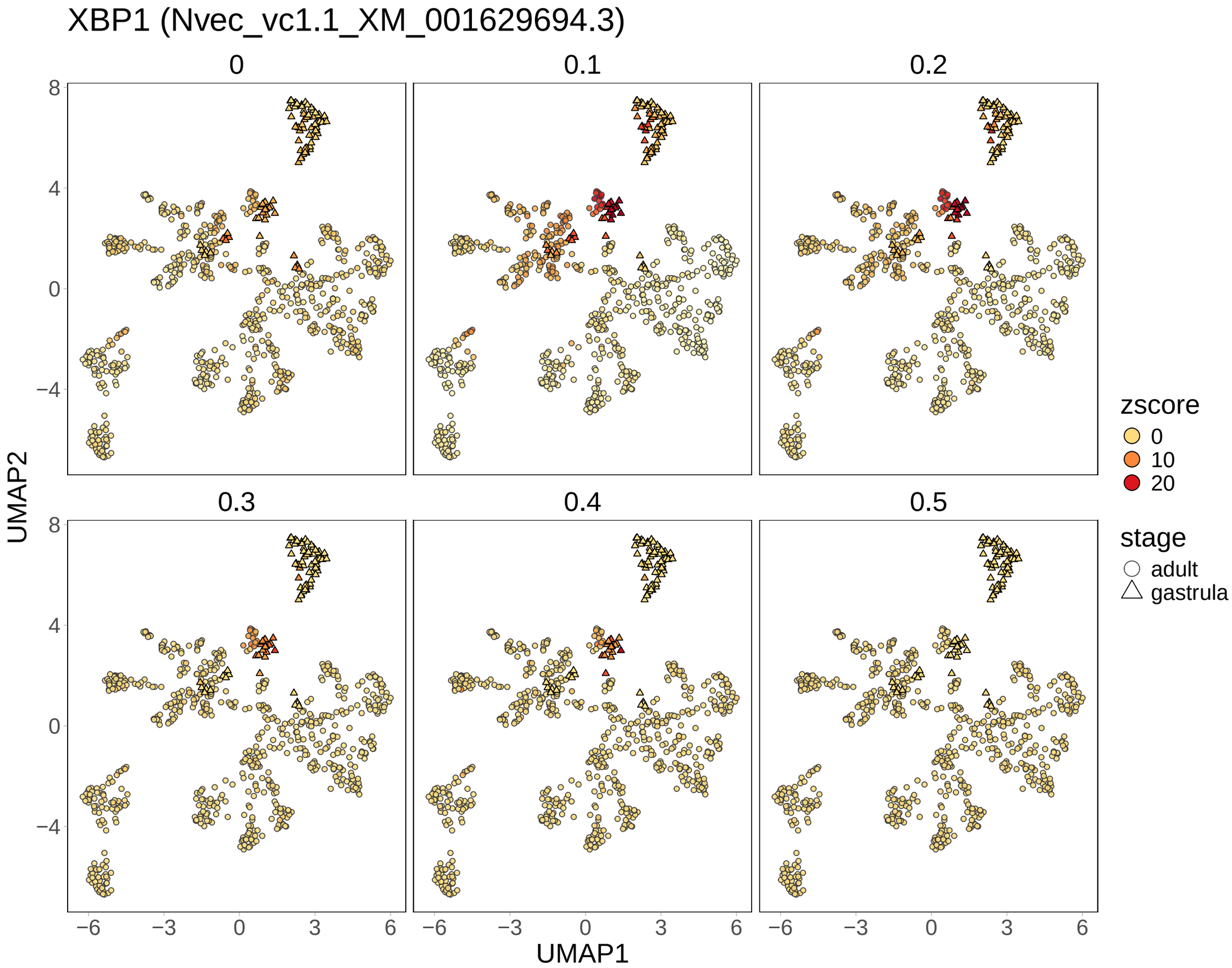

PaxA (Nvec_vc1.1_XM_001631763.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−5
0
5
10
15
stage
adult
gastrula

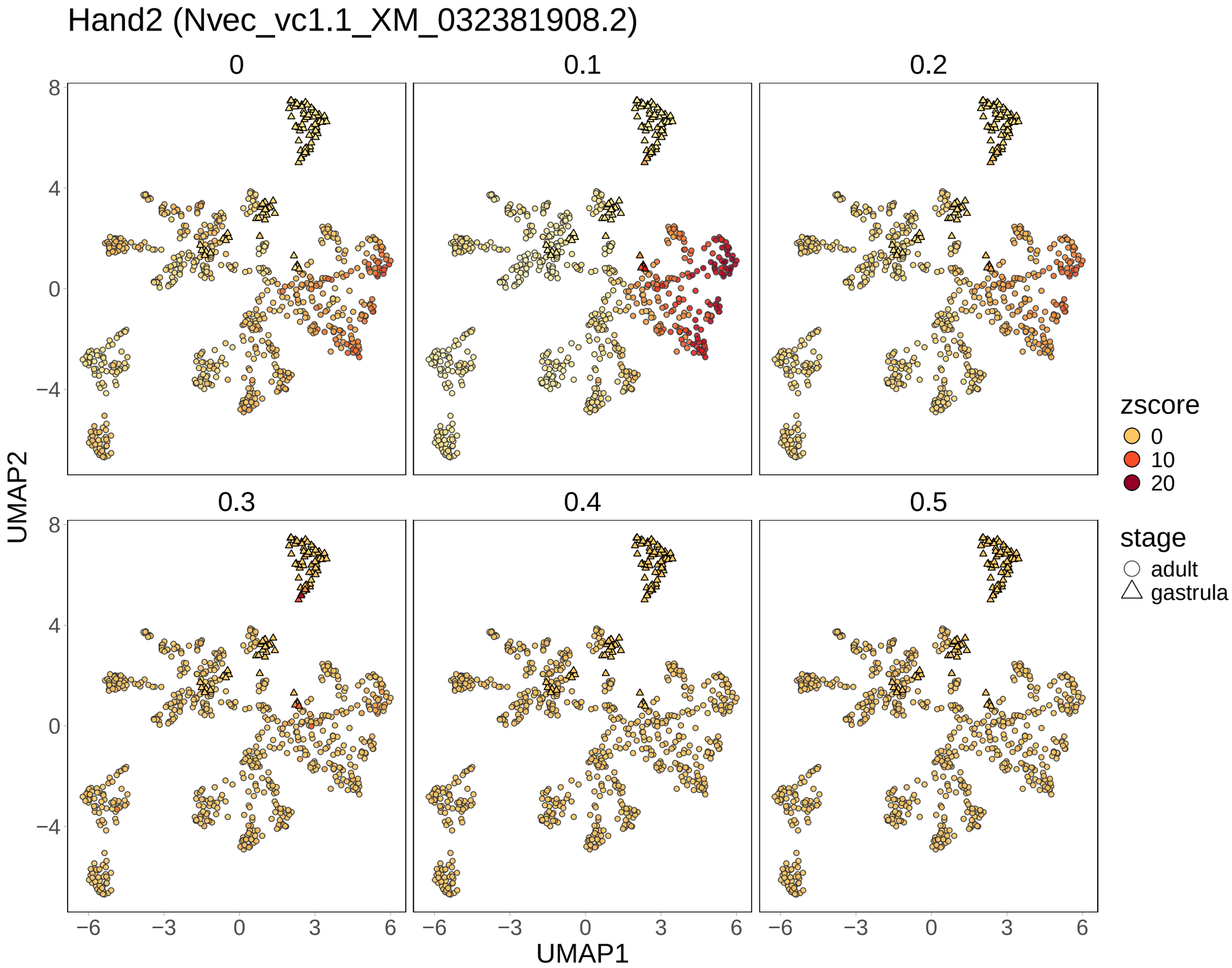

Cnido−Fos1 (Nvec_vc1.1_XM_048730161.1)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
stage
adult
gastrula

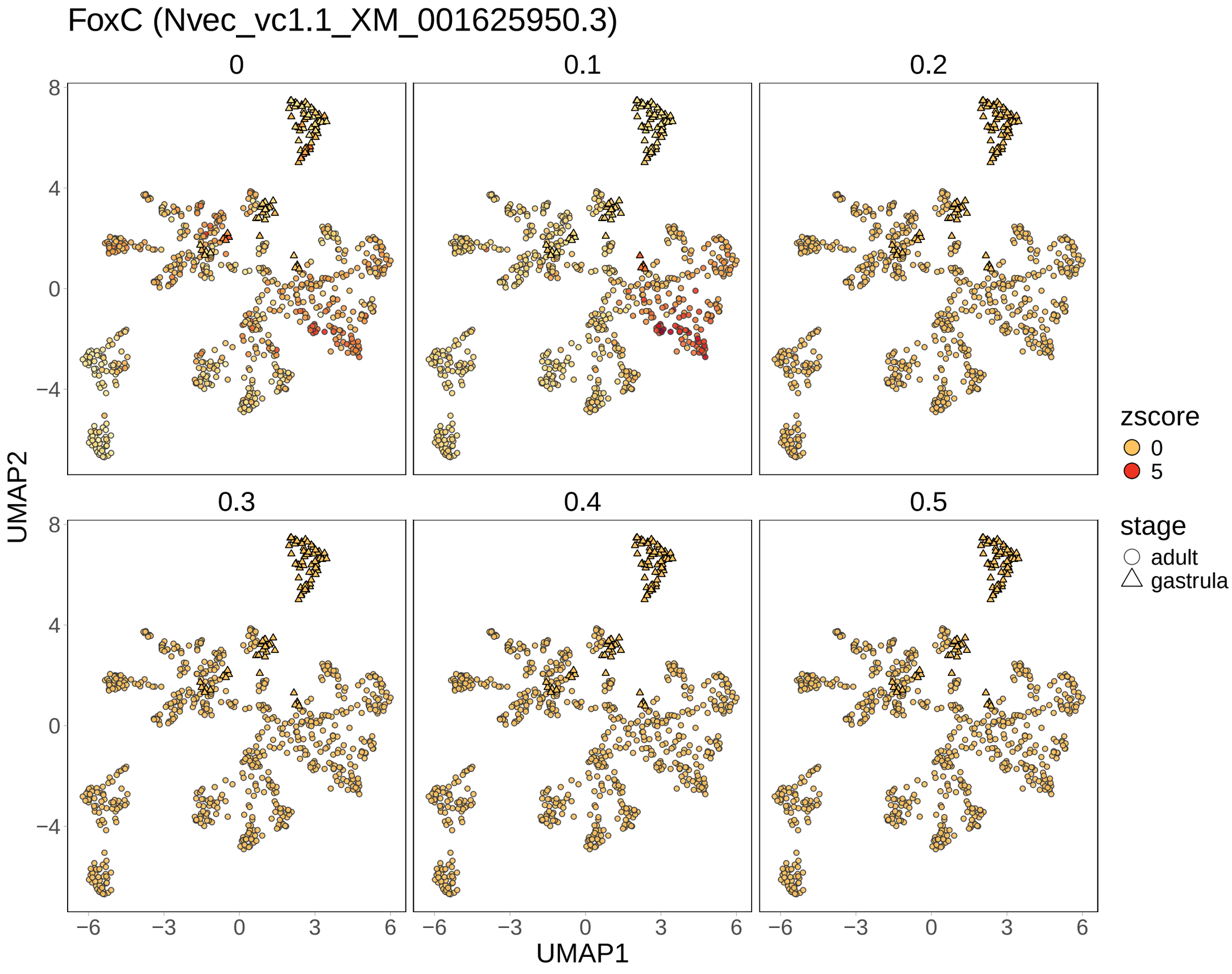

Cnido−Jun (Nvec_vc1.1_XM_032385896.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−5
0
5
10
stage
adult
gastrula

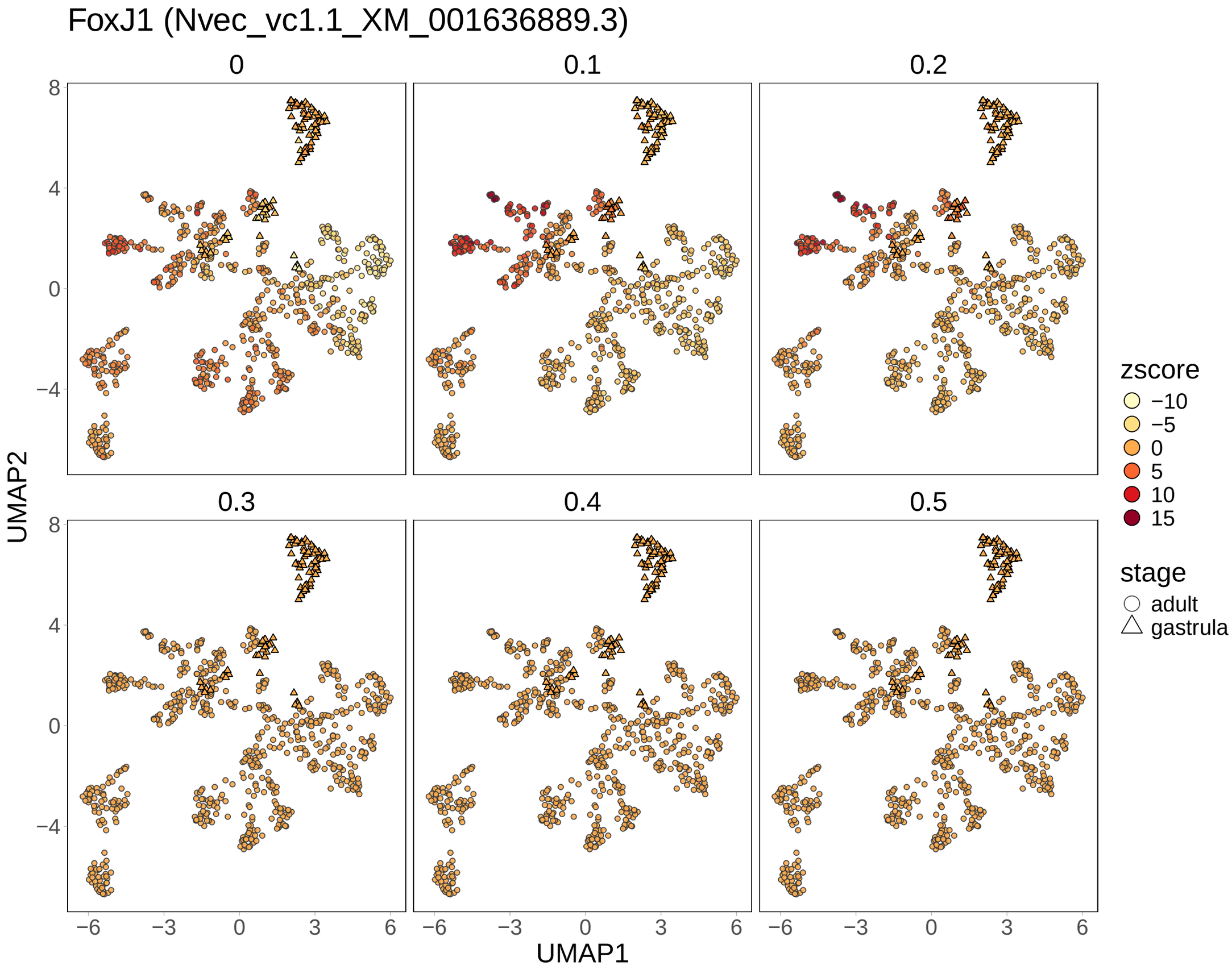

Klf13 (Nvec_v1g19278)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
30
40
50
stage
adult
gastrula


BHMG1 (Nvec_vc1.1_XM_001633819.3)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
30
40
stage
adult
gastrula

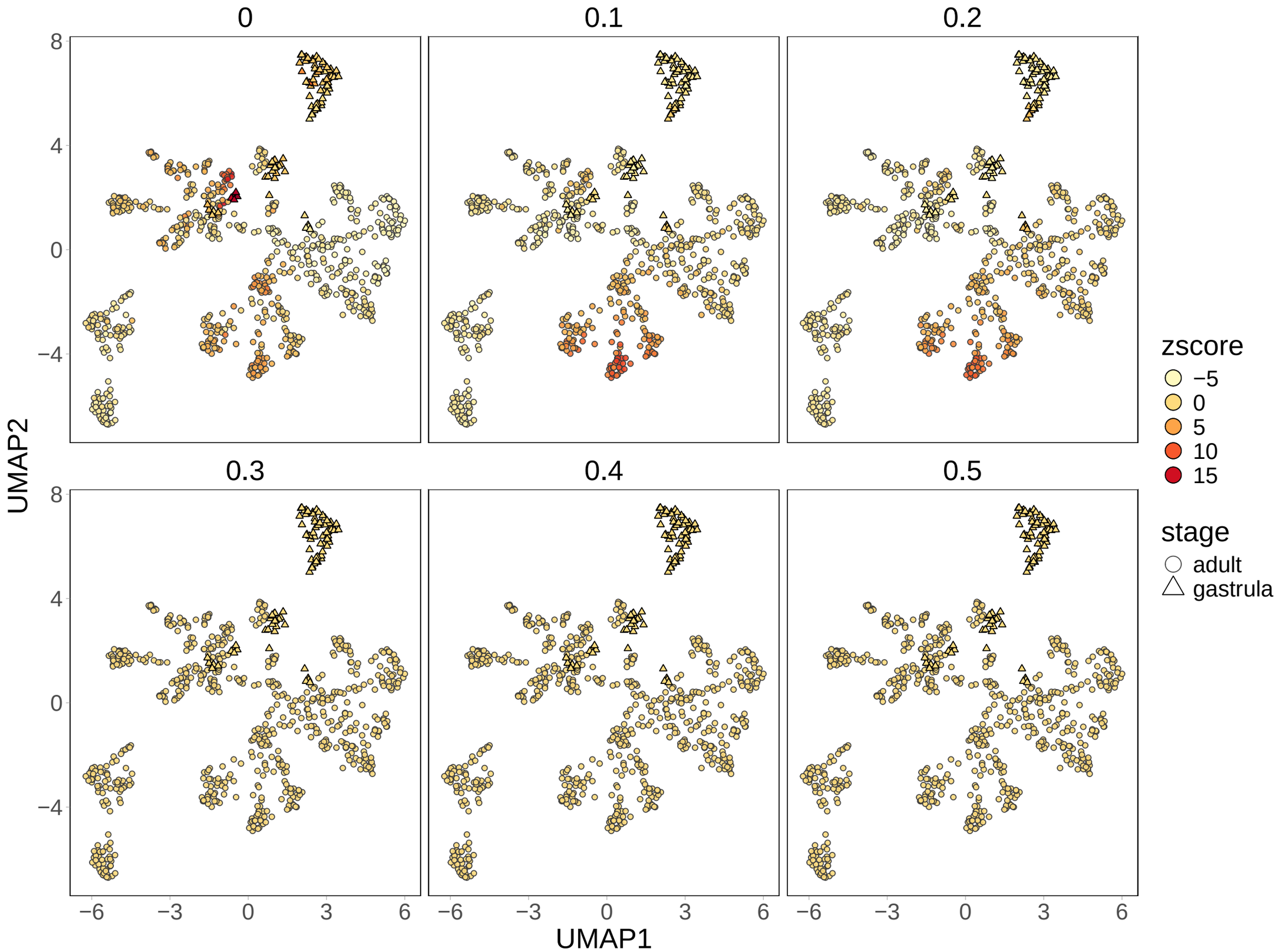

XBP1 (Nvec_vc1.1_XM_001629694.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
stage
adult
gastrula


Hand2 (Nvec_vc1.1_XM_032381908.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
stage
adult
gastrula

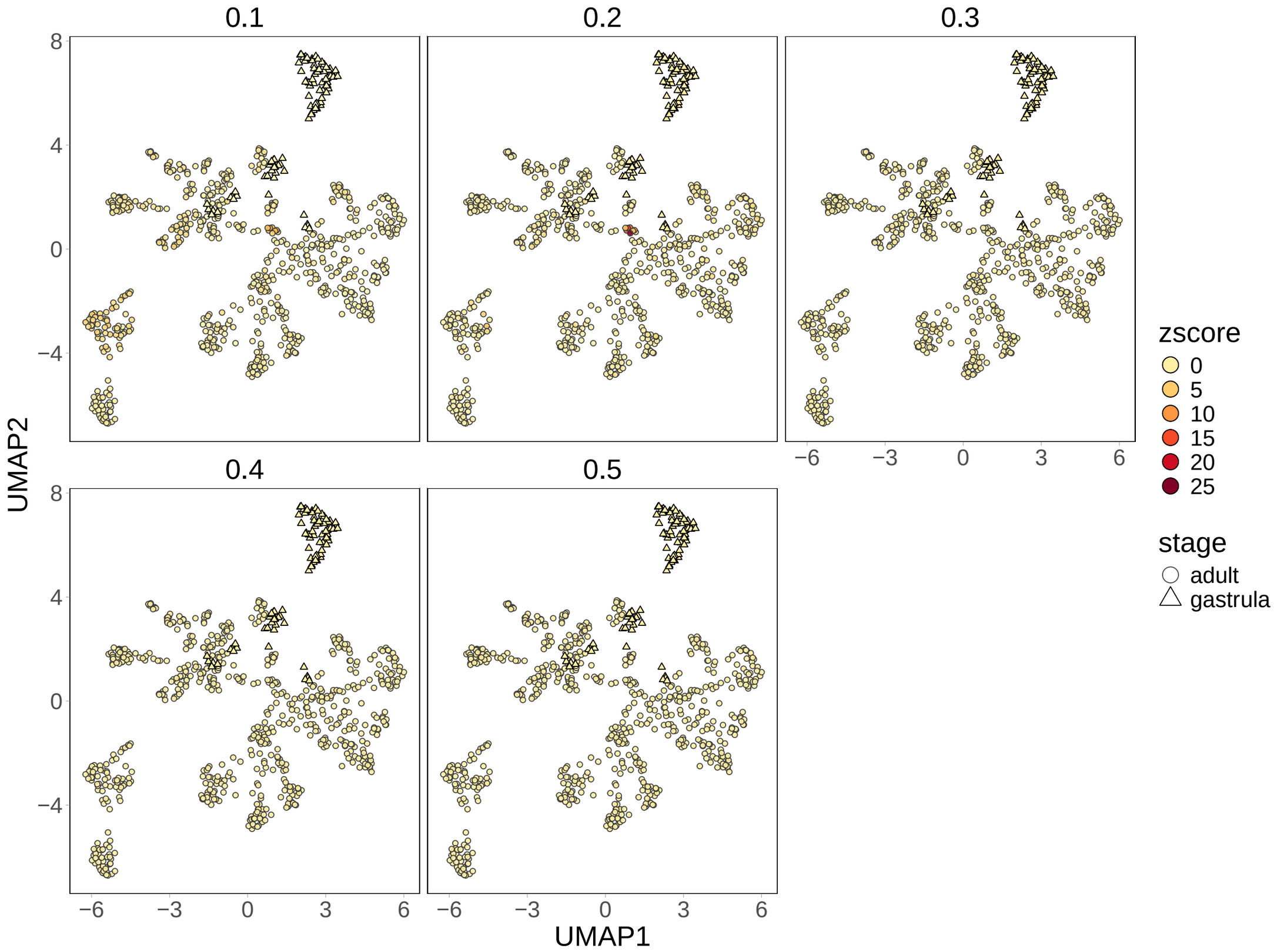

FoxC (Nvec_vc1.1_XM_001625950.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
5
stage
adult
gastrula

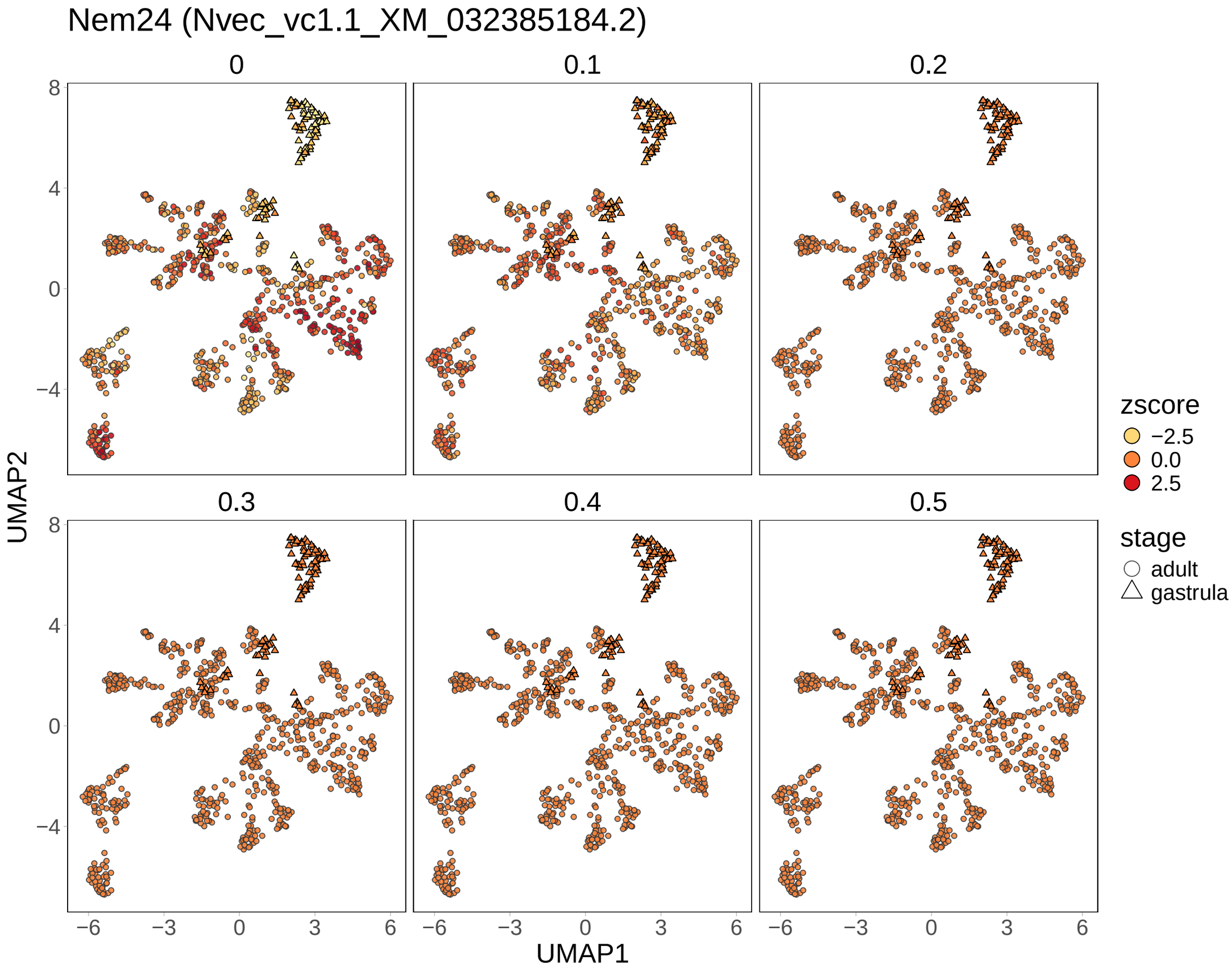

FoxJ1 (Nvec_vc1.1_XM_001636889.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
−5
0
5
10
15
stage
adult
gastrula

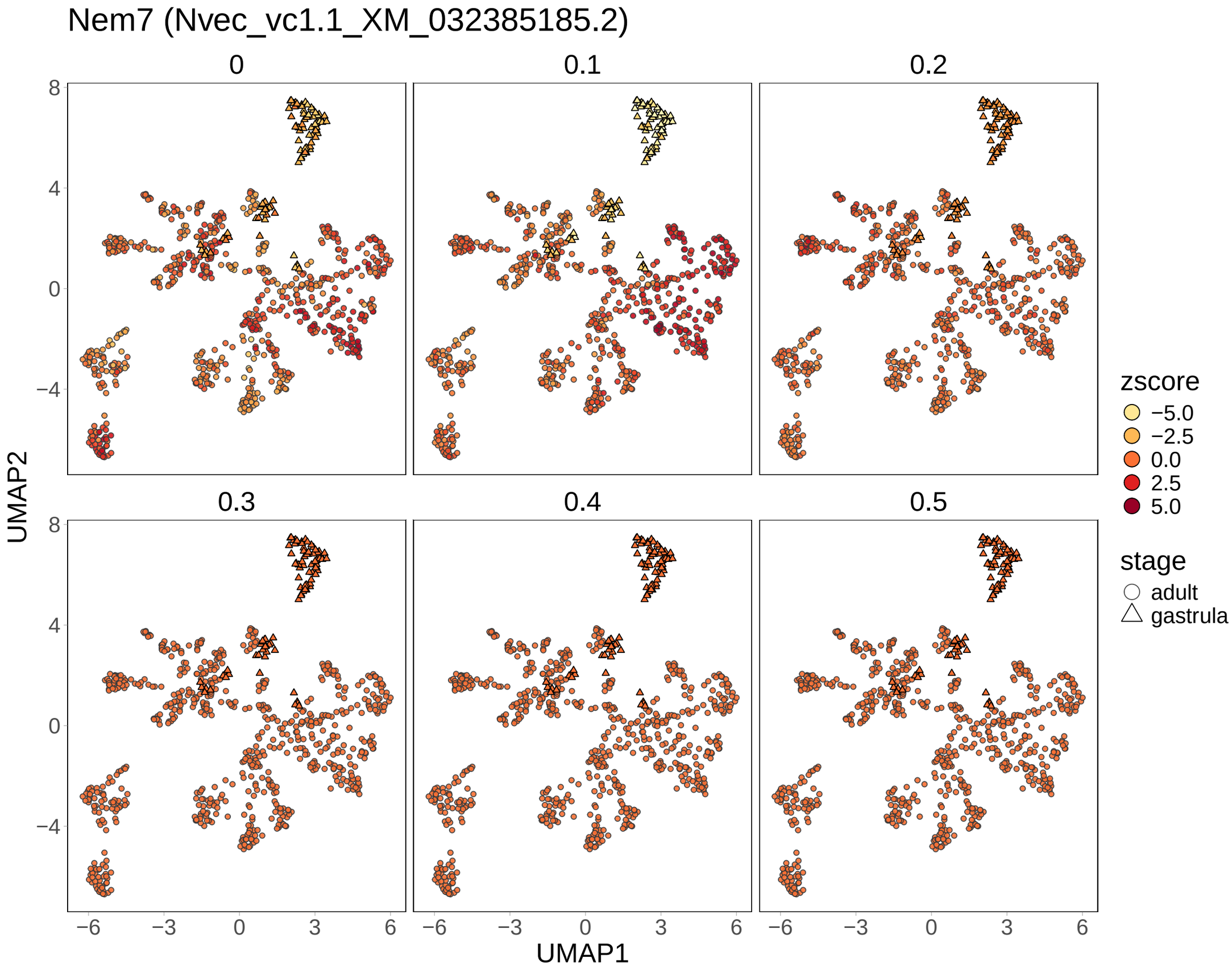
Rfx4/6/8 (Nvec_vc1.1_XM_032365096.2)

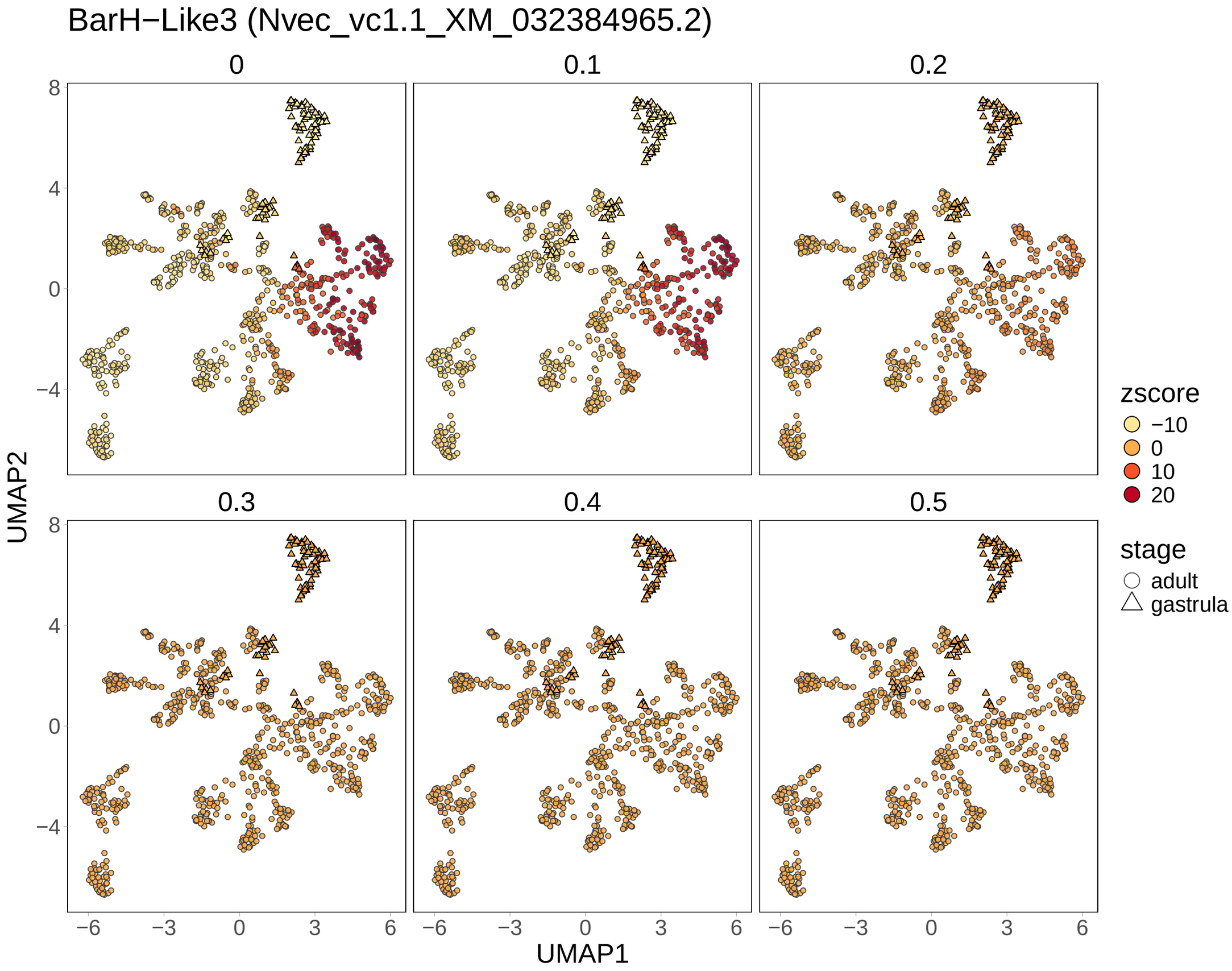


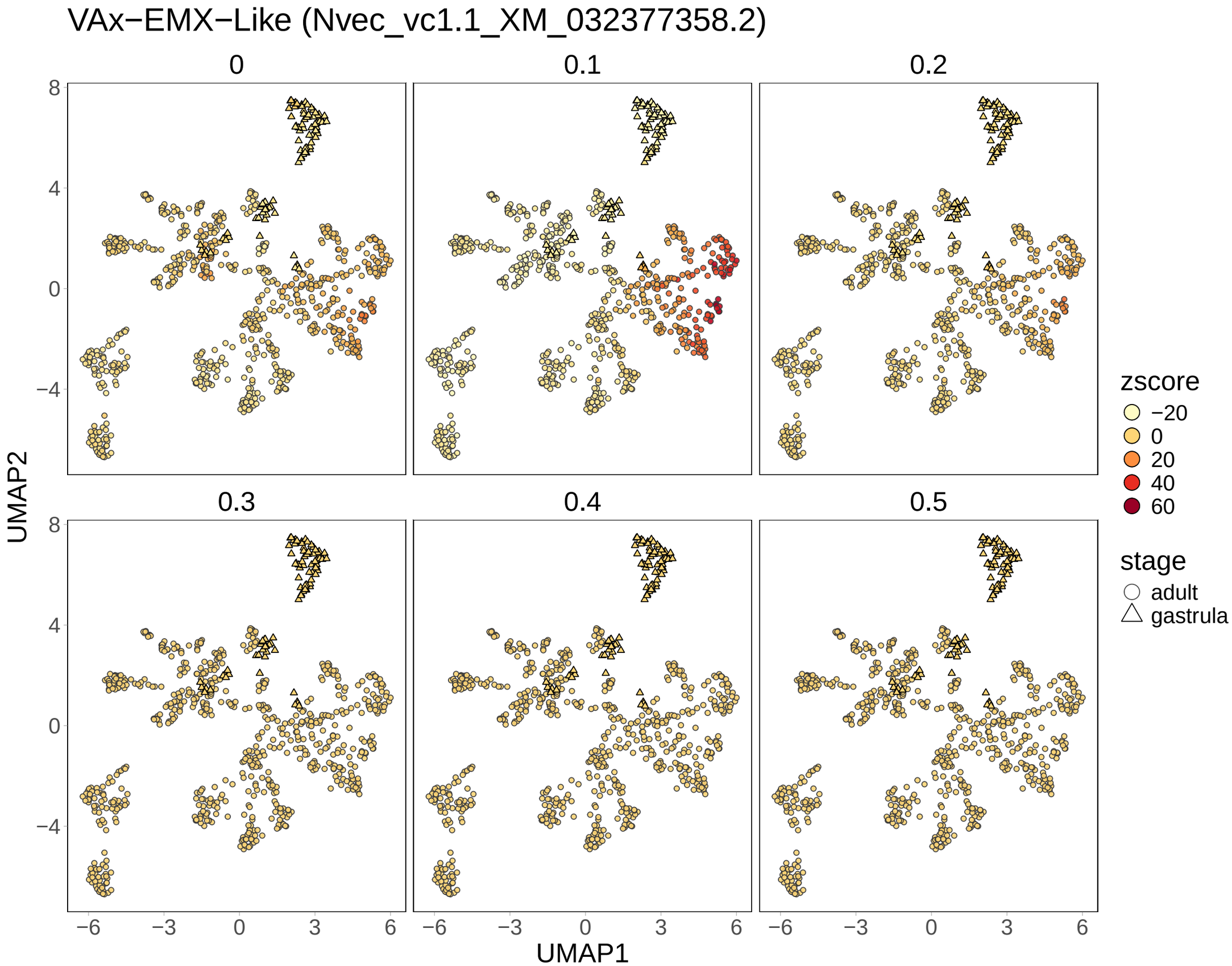
Nem64 (Nvec_vc1.1_XM_001634938.2)

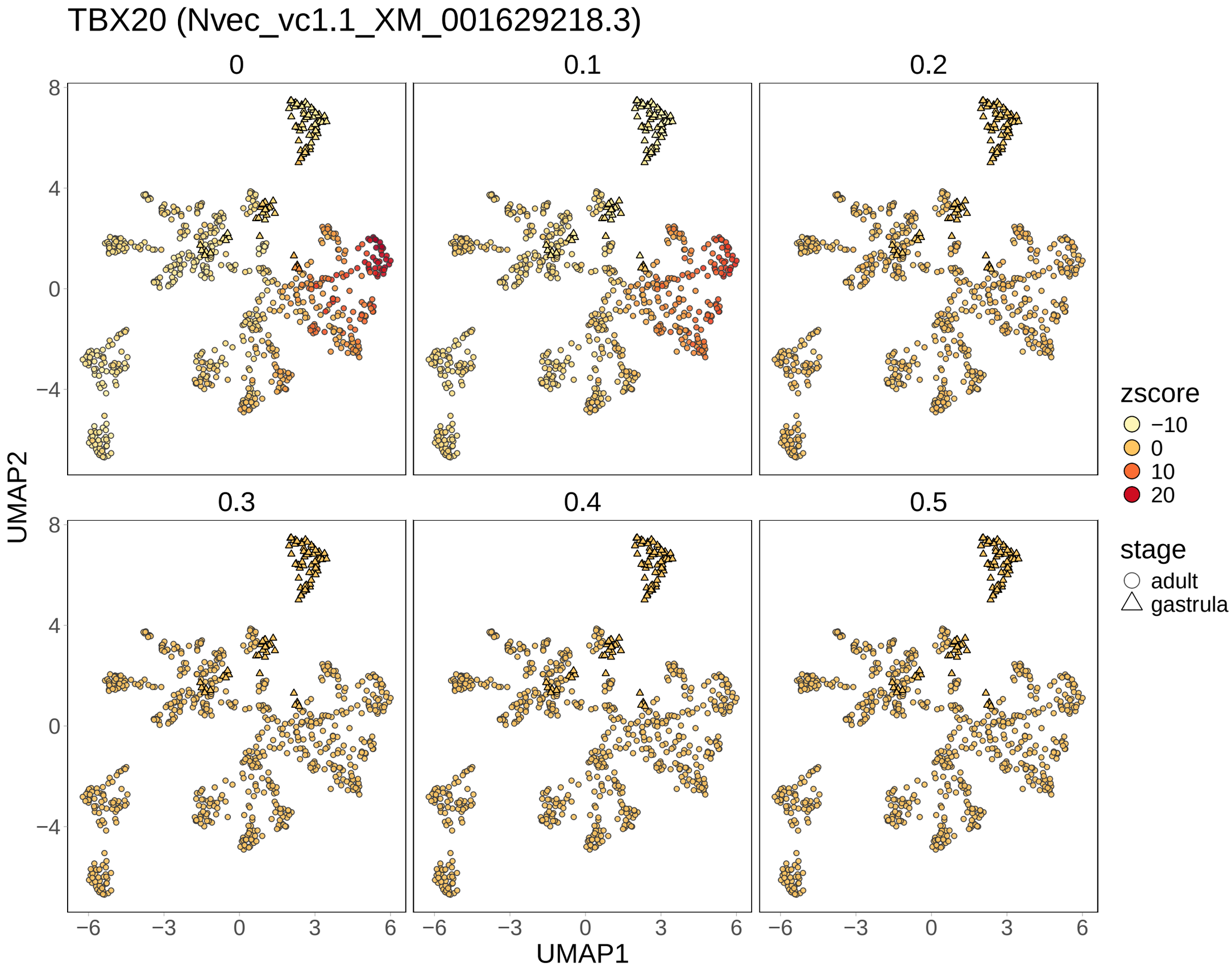


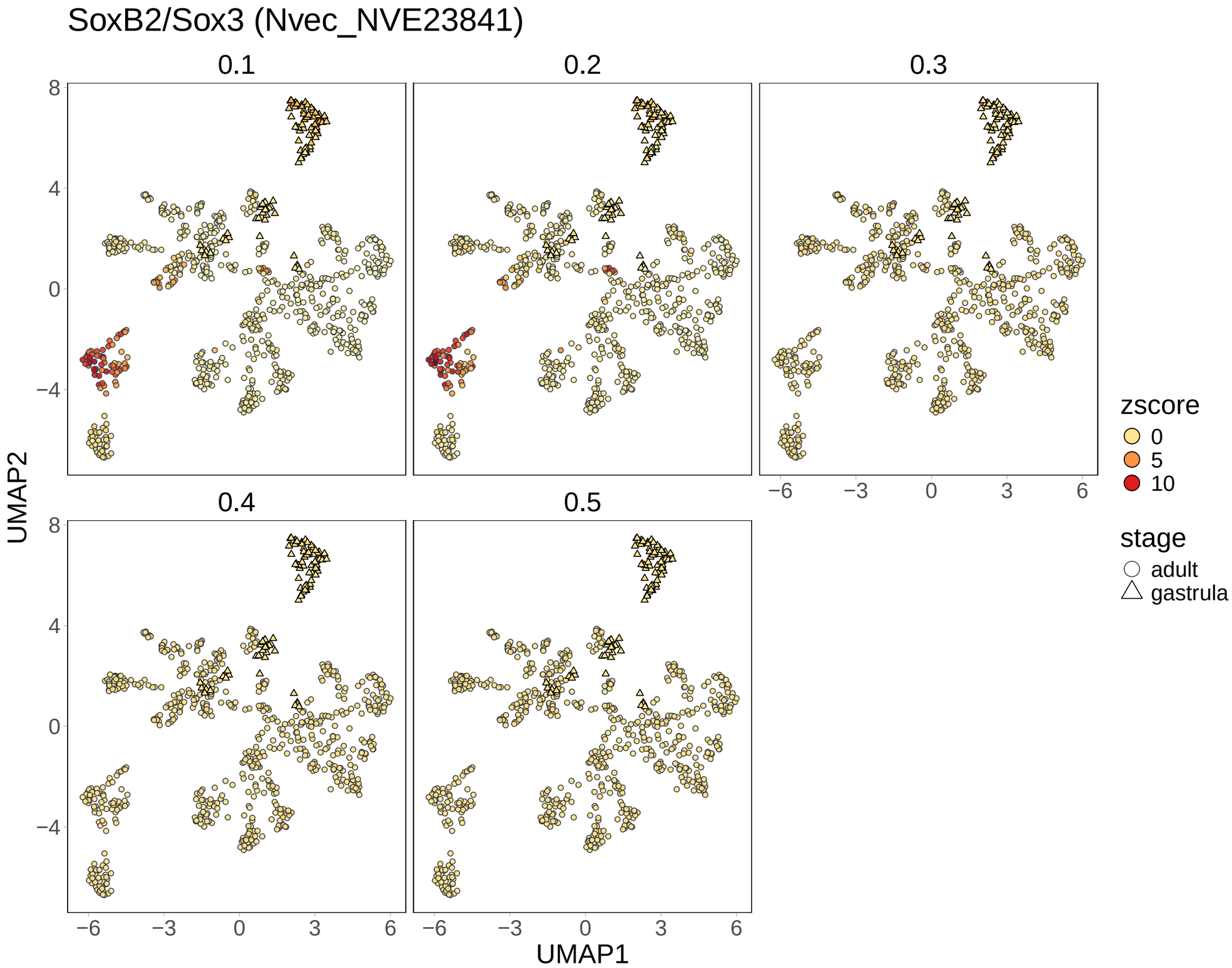

Nem24 (Nvec_vc1.1_XM_032385184.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−2.5
0.0
2.5
stage
adult
gastrula

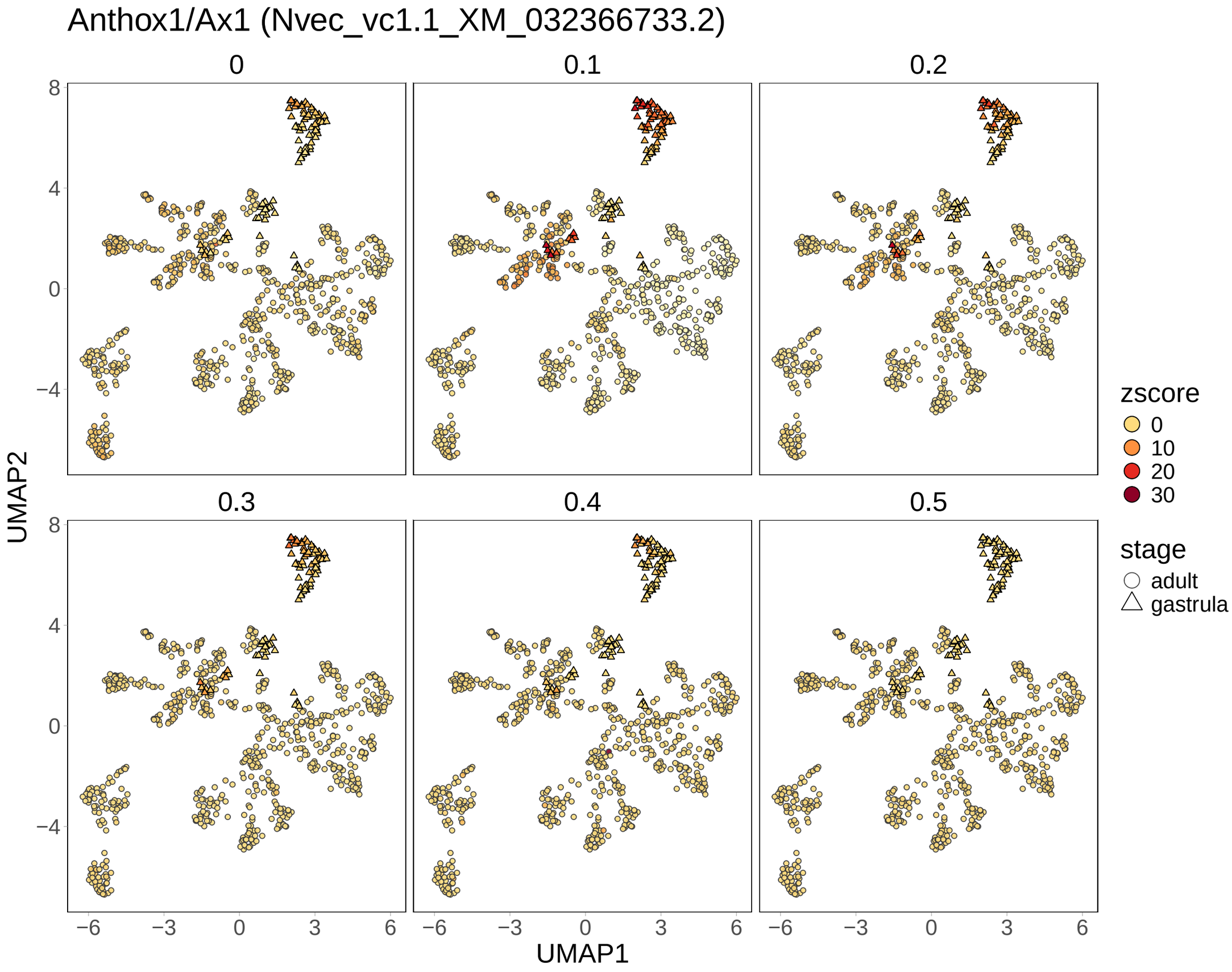

Nem7 (Nvec_vc1.1_XM_032385185.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−5.0
−2.5
0.0
2.5
5.0
stage
adult
gastrula

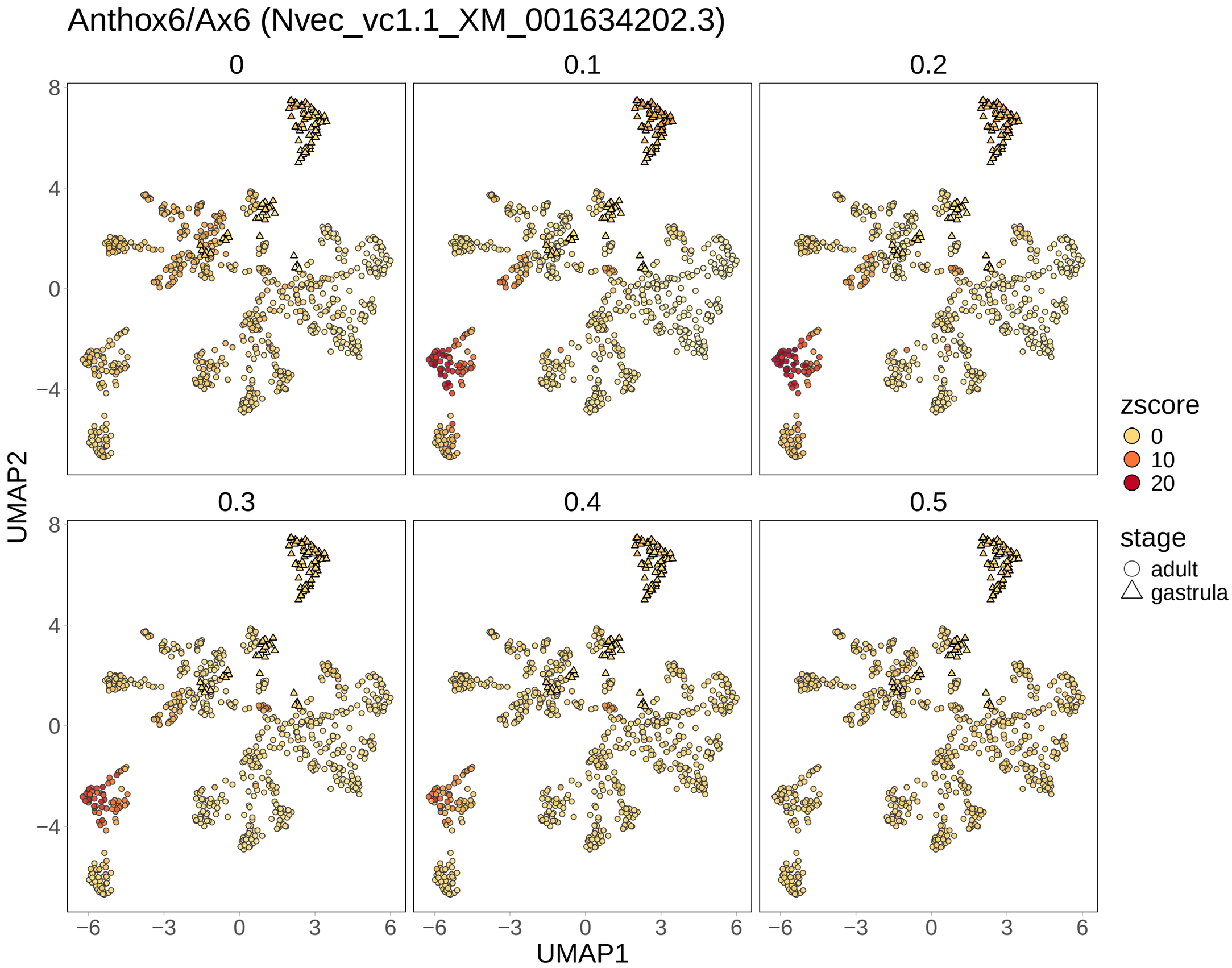

BarH−Like3 (Nvec_vc1.1_XM_032384965.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
stage
adult
gastrula

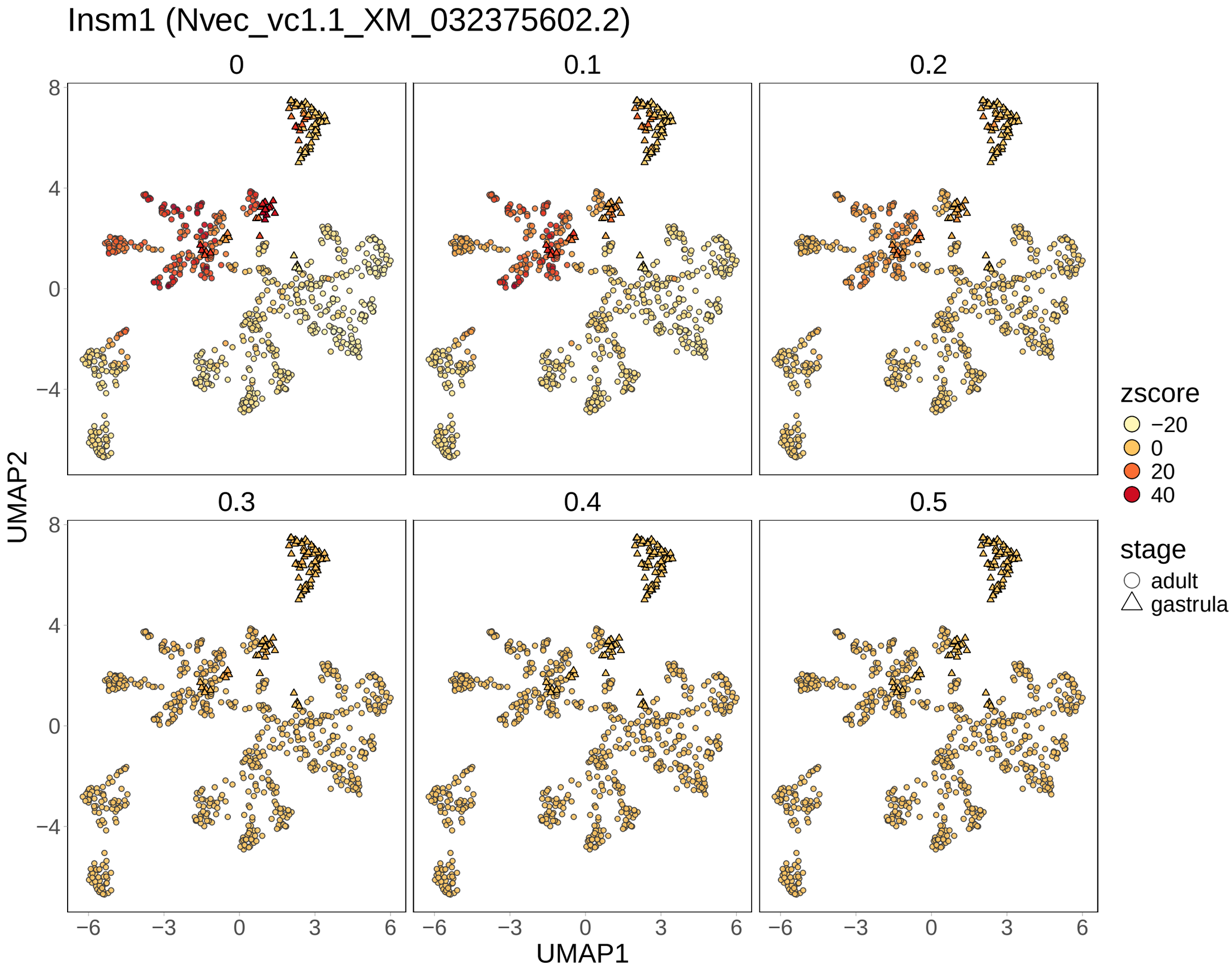

VAx−EMX−Like (Nvec_vc1.1_XM_032377358.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−20
0
20
40
60
stage
adult
gastrula

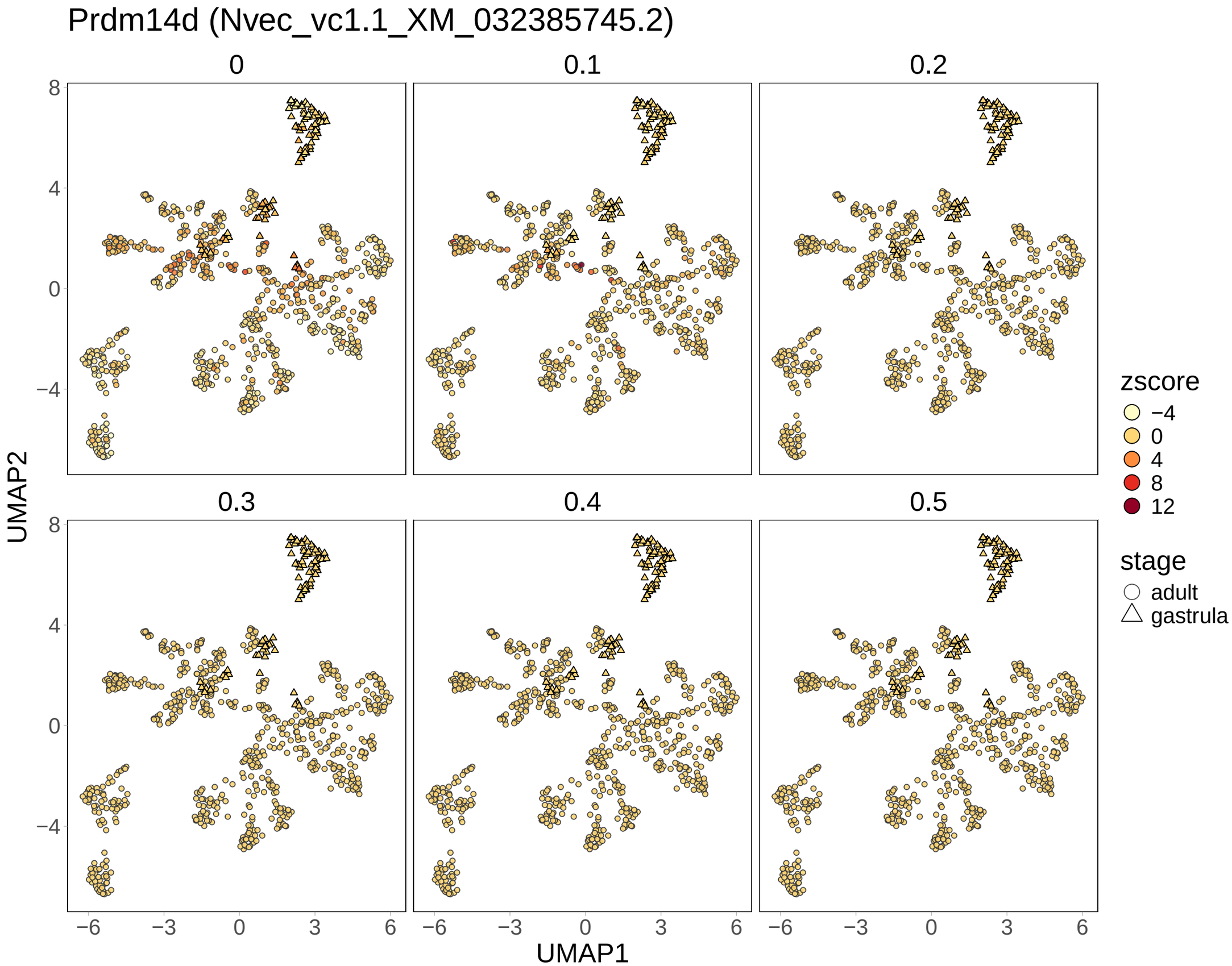

TBX20 (Nvec_vc1.1_XM_001629218.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
stage
adult
gastrula

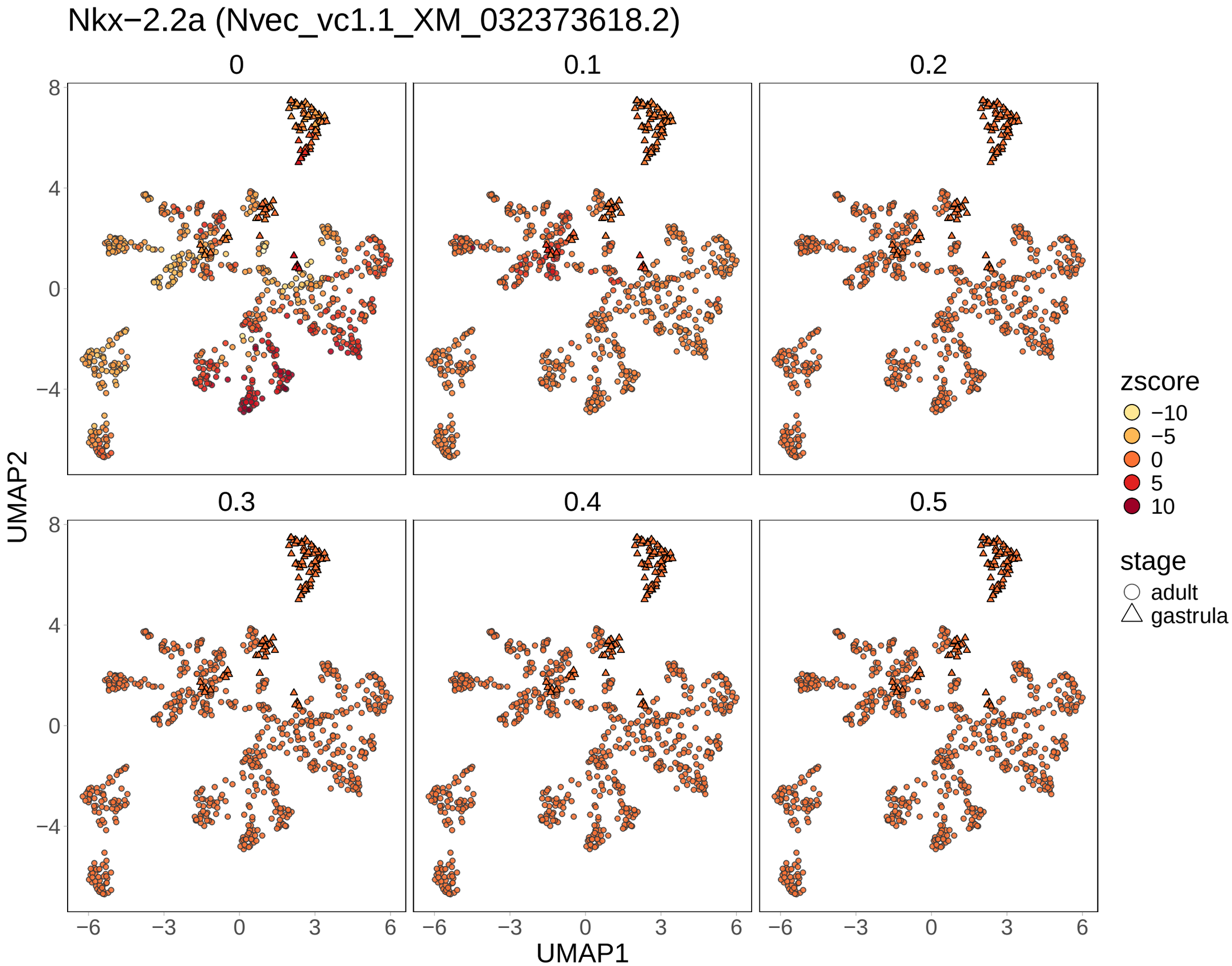

SoxB2/Sox3 (Nvec_NVE23841)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
5
10
stage
adult
gastrula

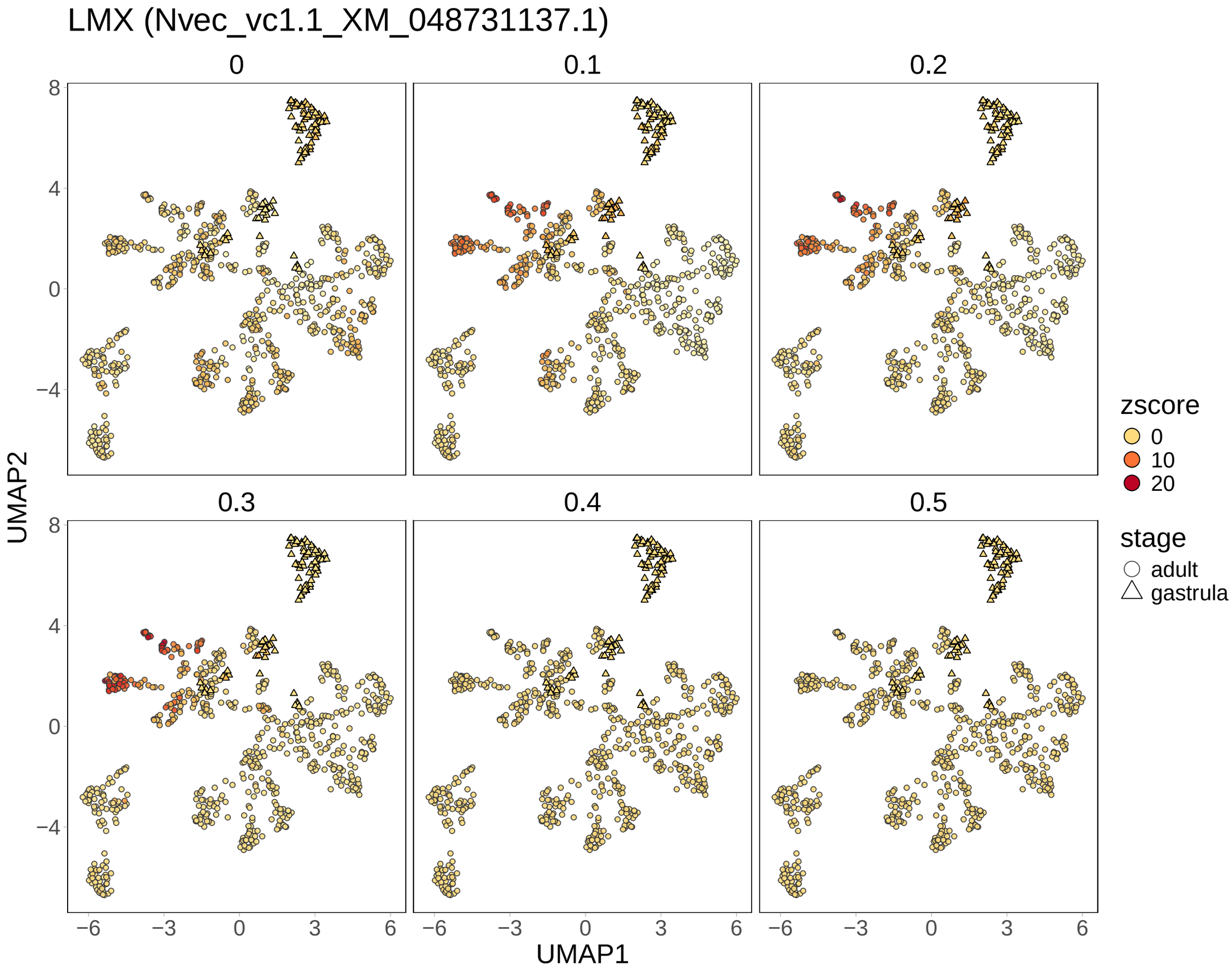

Anthox1/Ax1 (Nvec_vc1.1_XM_032366733.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
30
stage
adult
gastrula

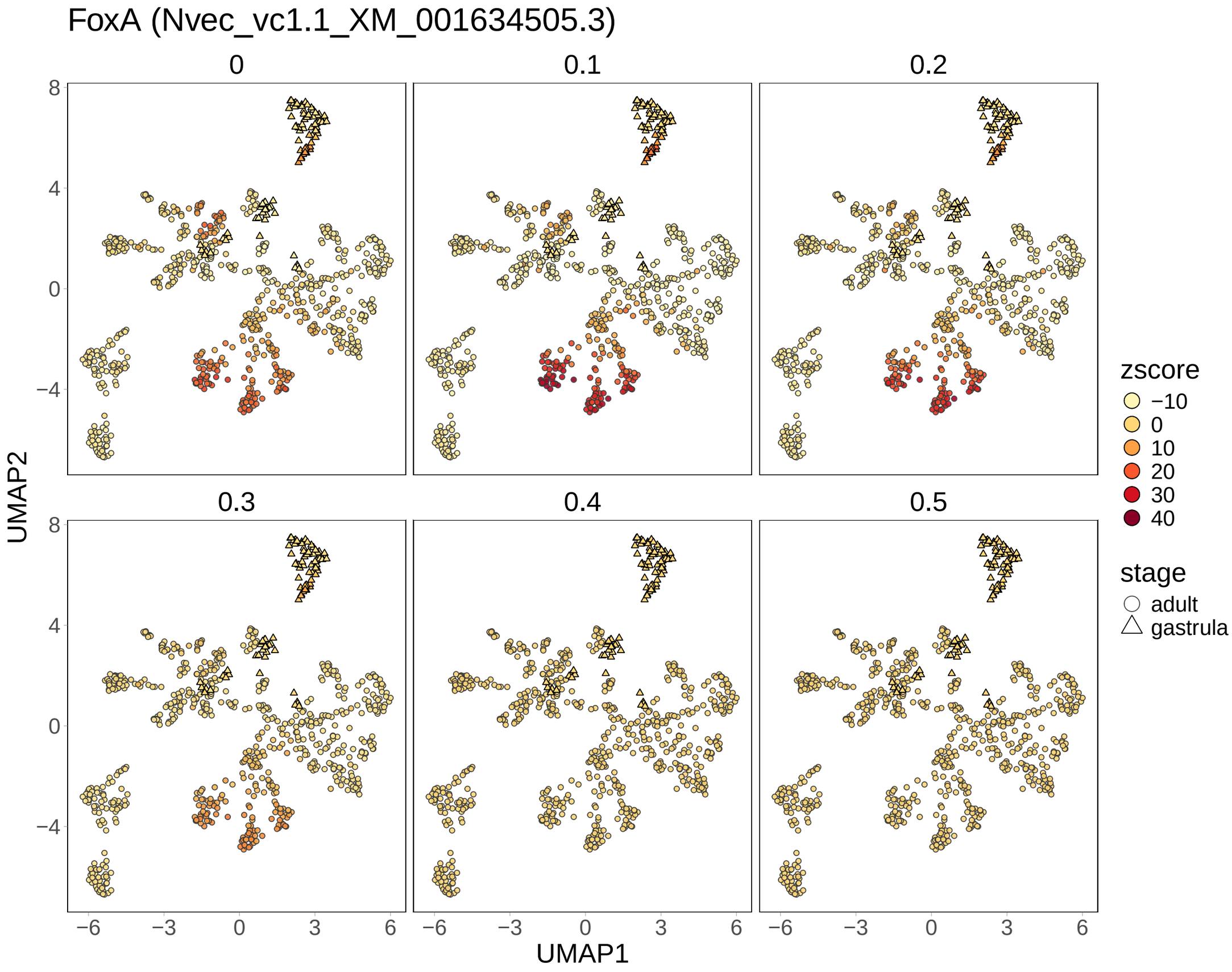

Anthox6/Ax6 (Nvec_vc1.1_XM_001634202.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
stage
adult
gastrula

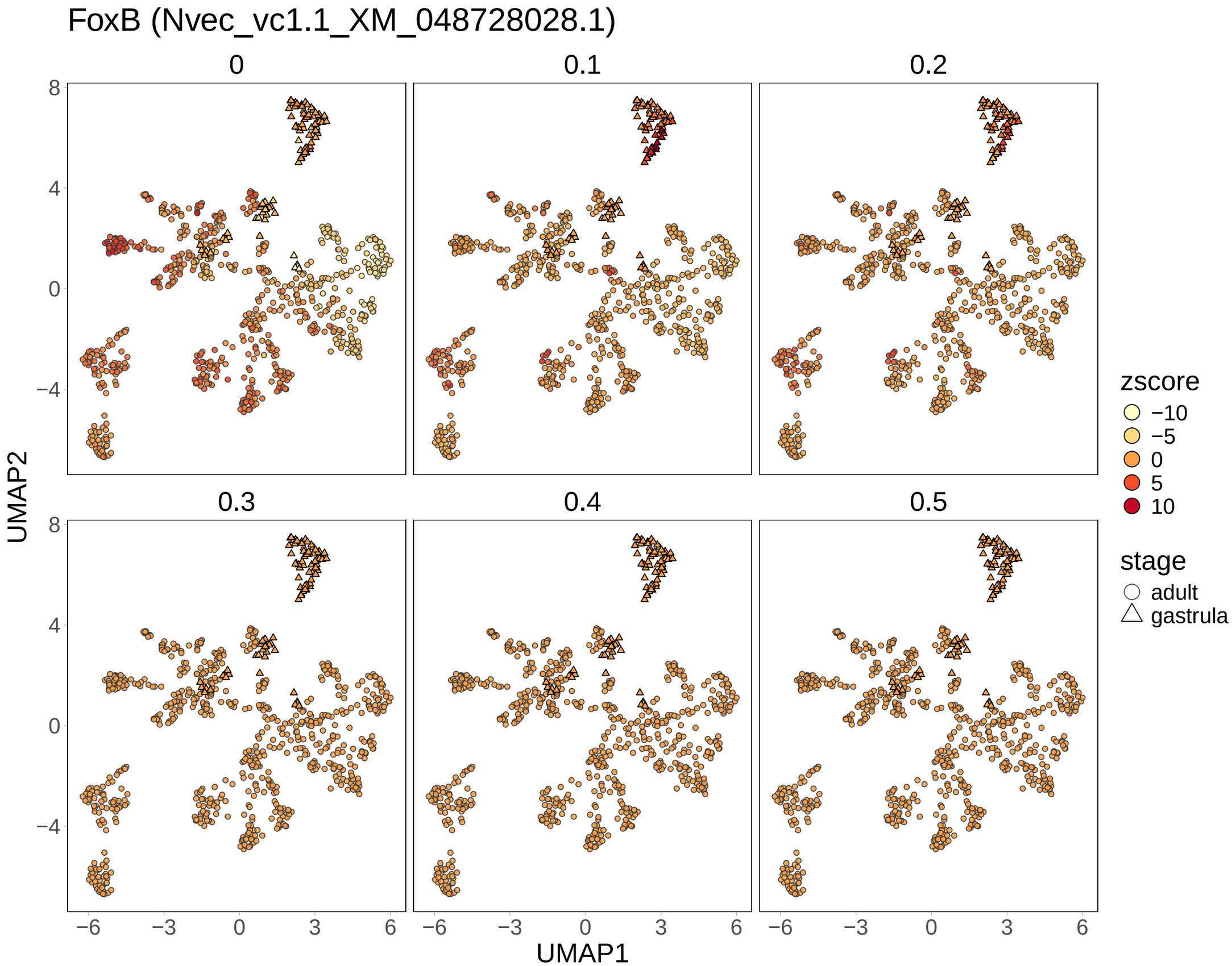

Insm1 (Nvec_vc1.1_XM_032375602.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−20
0
20
40
stage
adult
gastrula

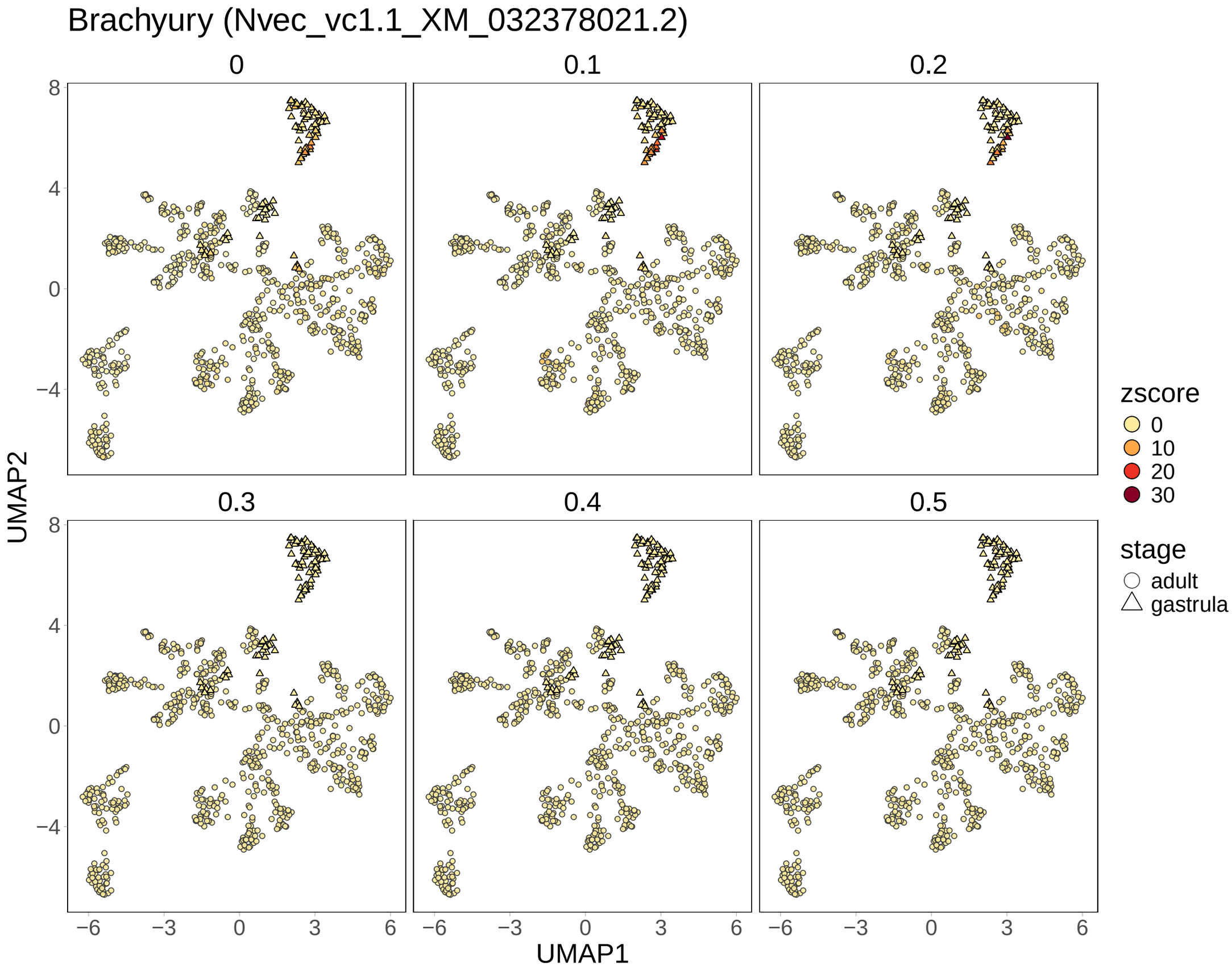

Prdm14d (Nvec_vc1.1_XM_032385745.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−4
0
4
8
12
stage
adult
gastrula

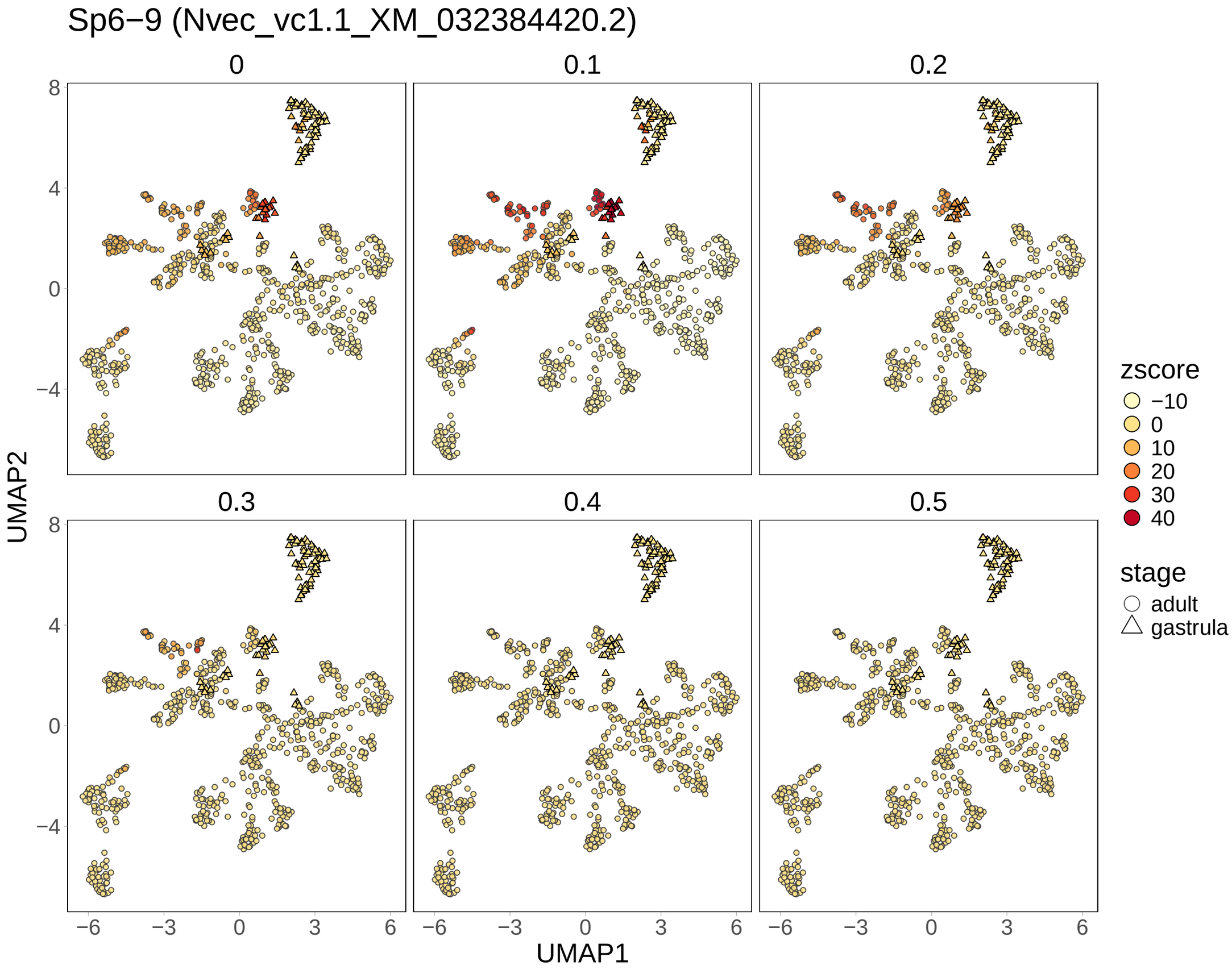

Nkx−2.2a (Nvec_vc1.1_XM_032373618.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
−5
0
5
10
stage
adult
gastrula

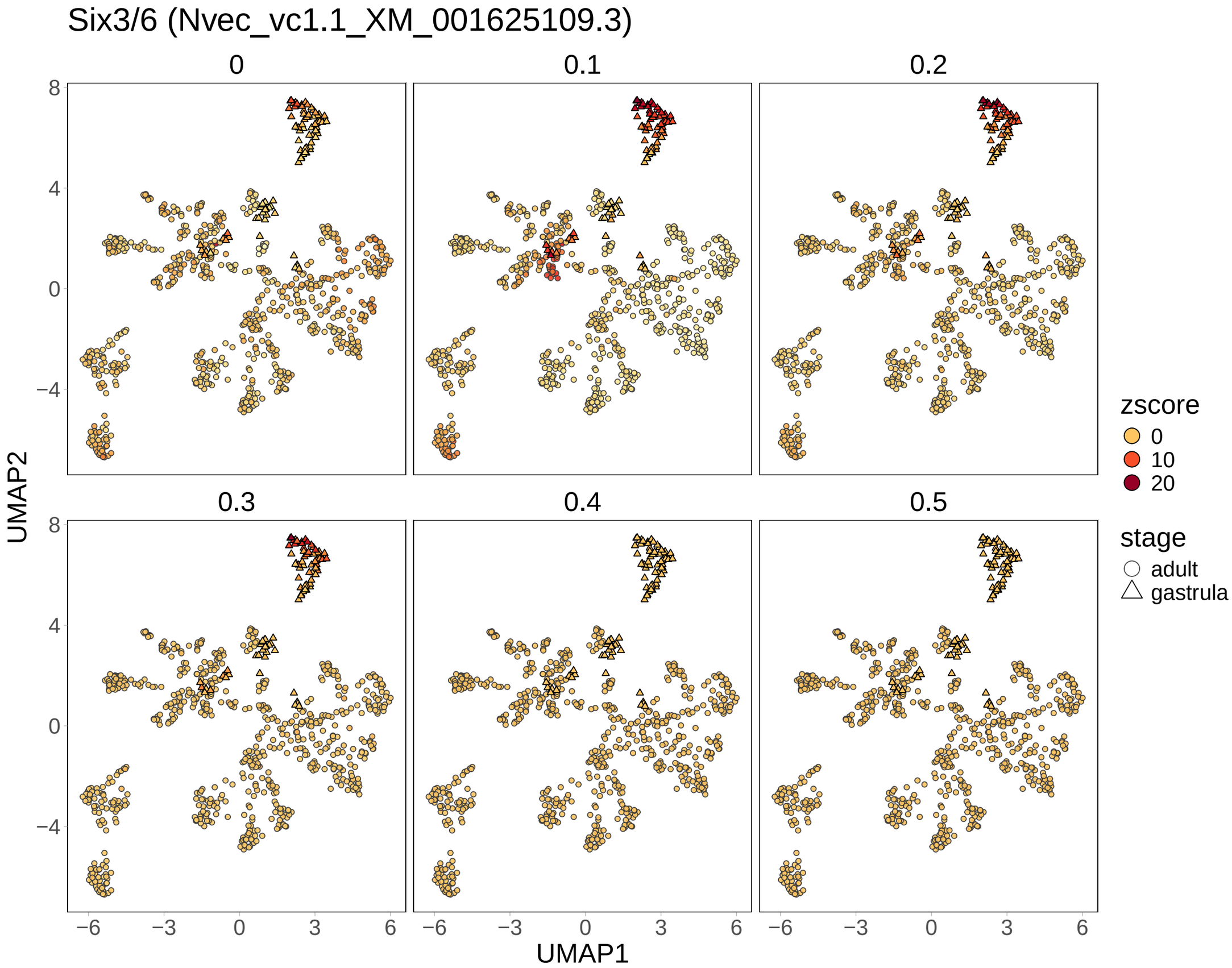

LMX (Nvec_vc1.1_XM_048731137.1)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
stage
adult
gastrula

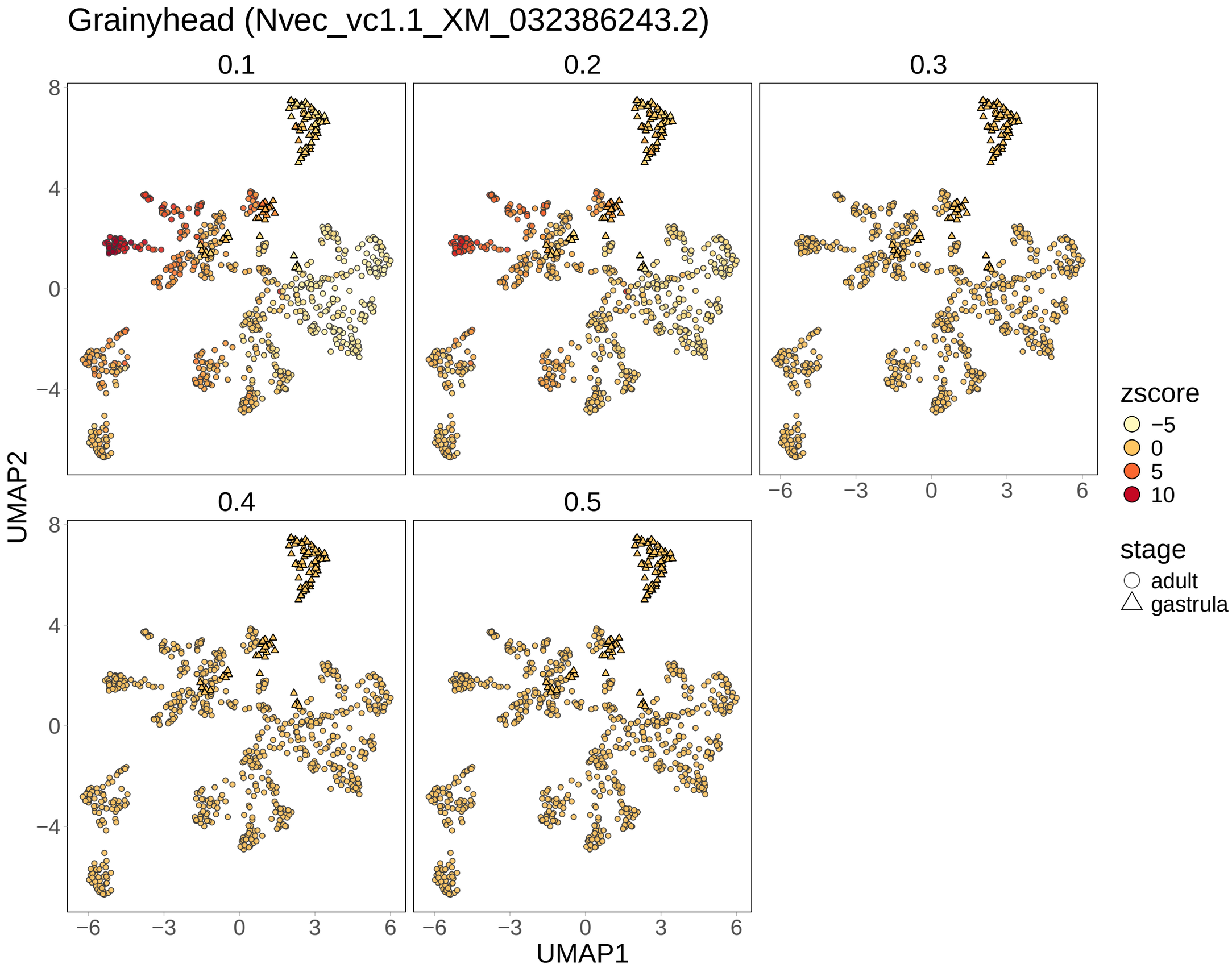

FoxA (Nvec_vc1.1_XM_001634505.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
30
40
stage
adult
gastrula

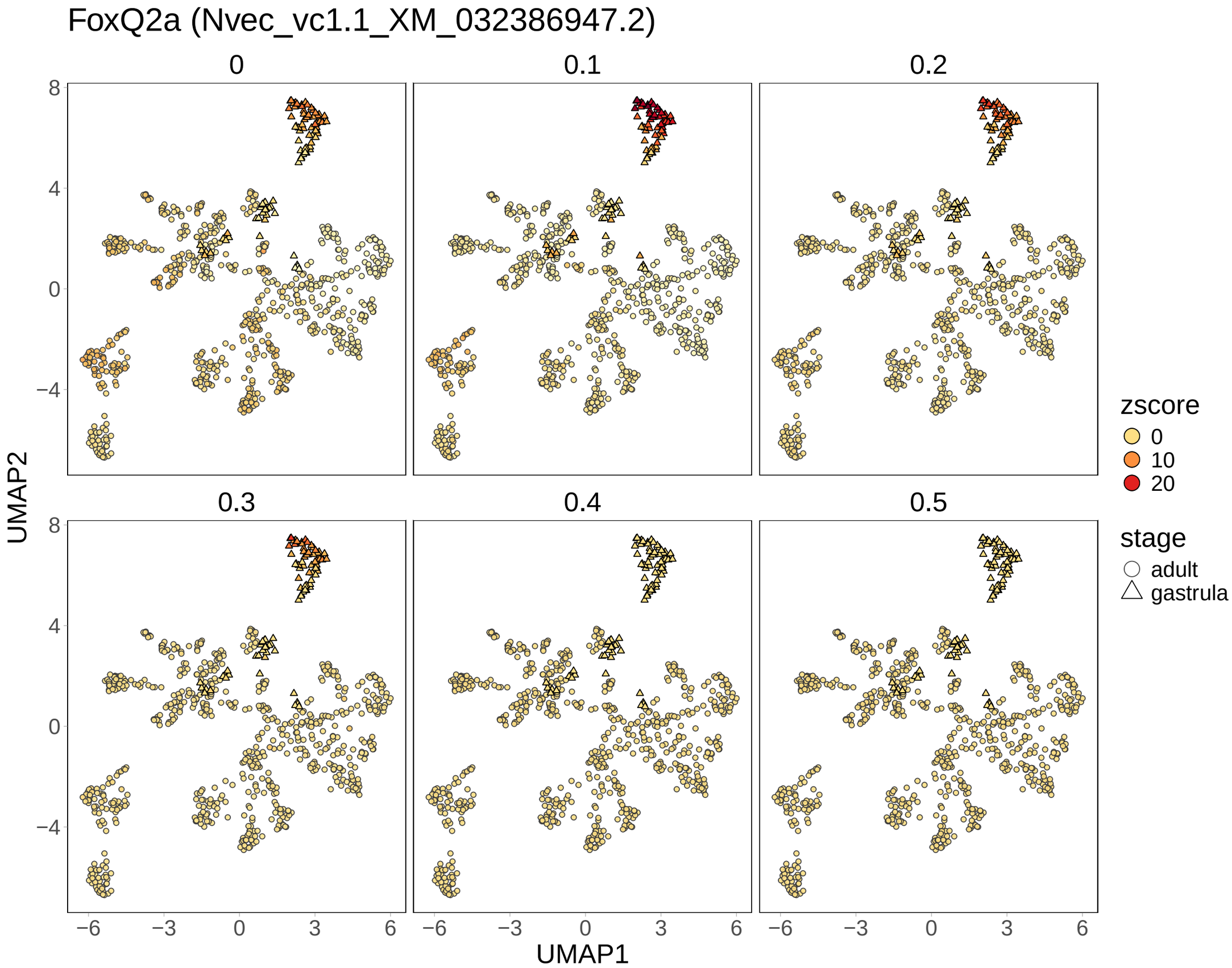

FoxB (Nvec_vc1.1_XM_048728028.1)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
−5
0
5
10
stage
adult
gastrula

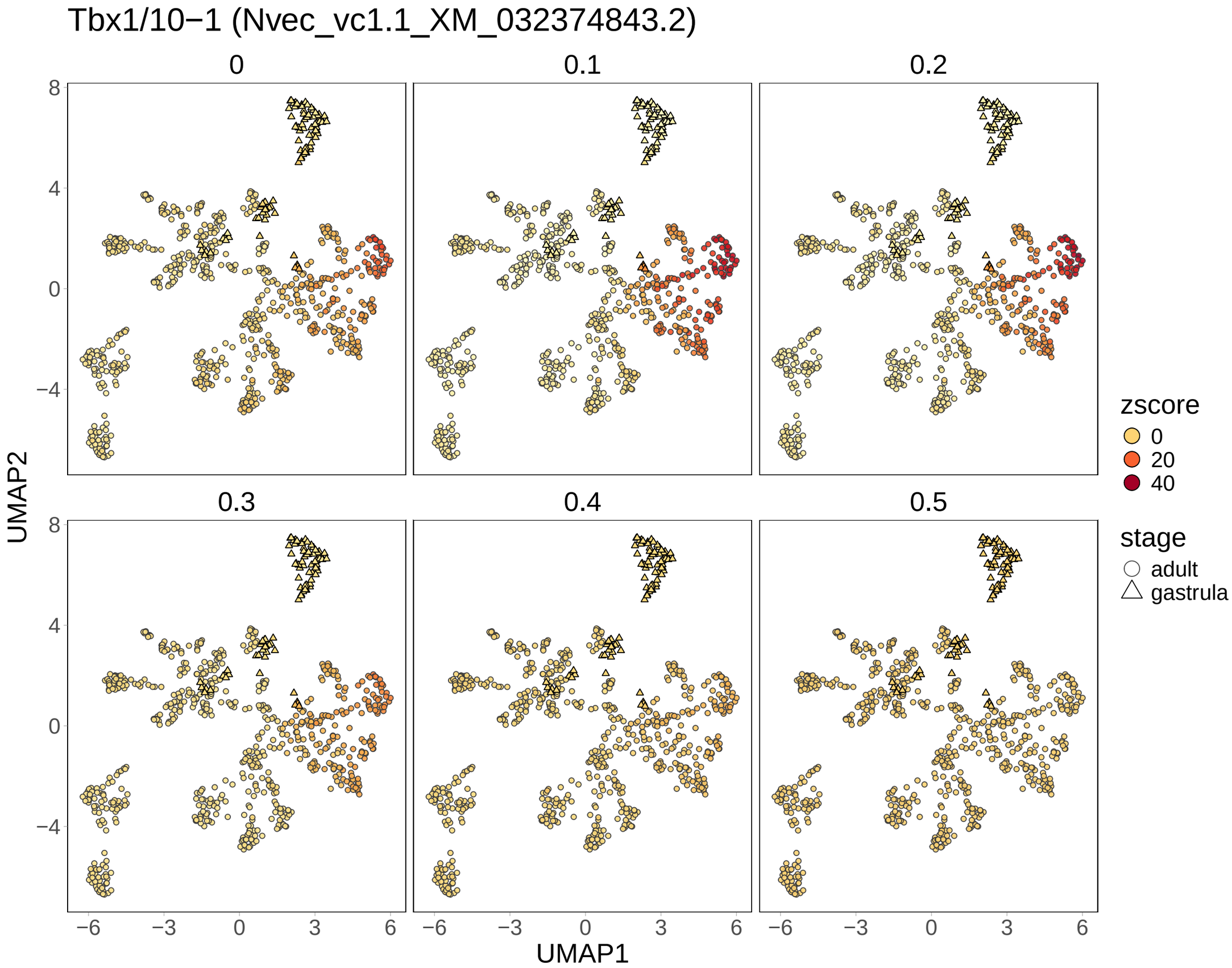

Brachyury (Nvec_vc1.1_XM_032378021.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
30
stage
adult
gastrula

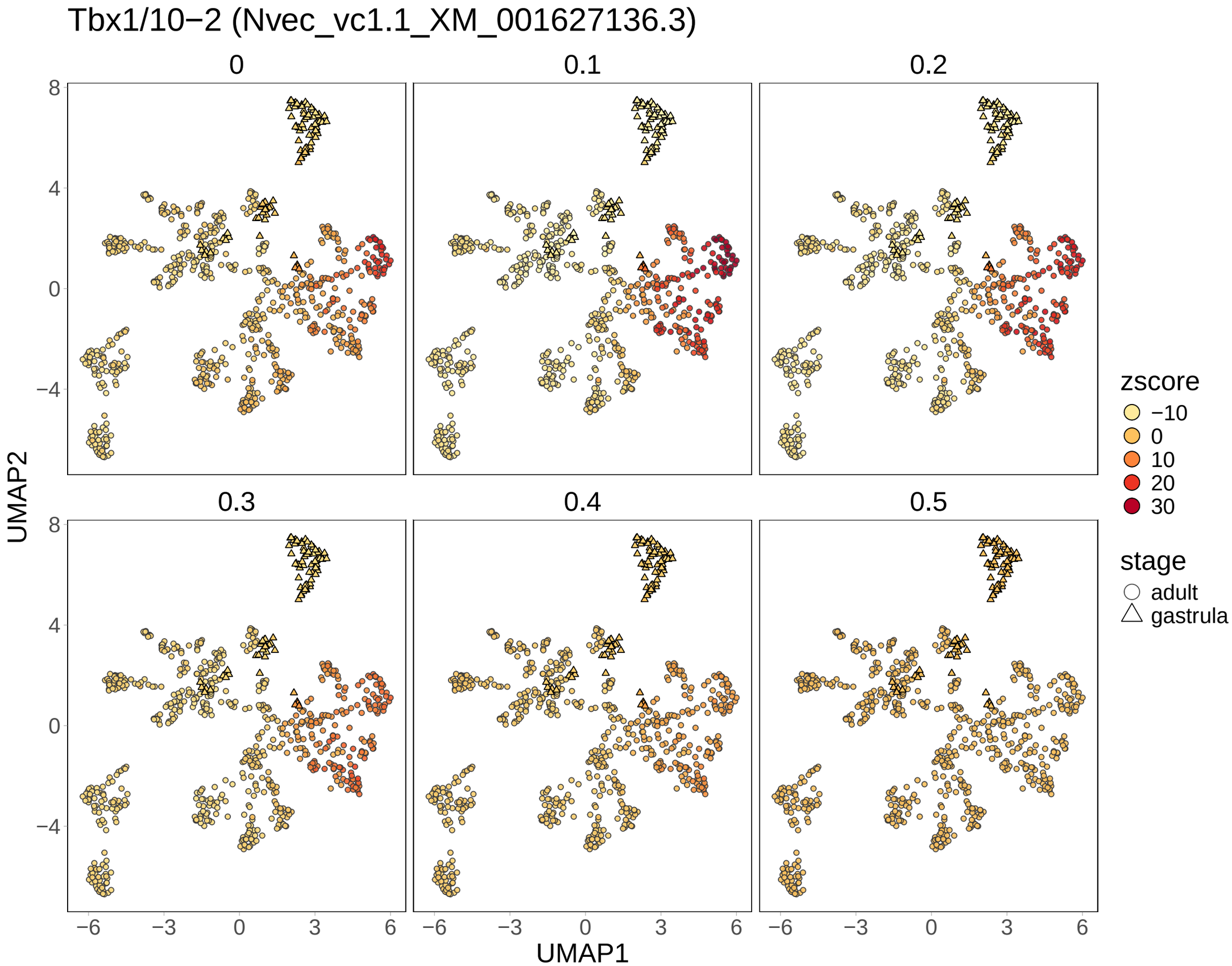

Sp6−9 (Nvec_vc1.1_XM_032384420.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
30
40
stage
adult
gastrula

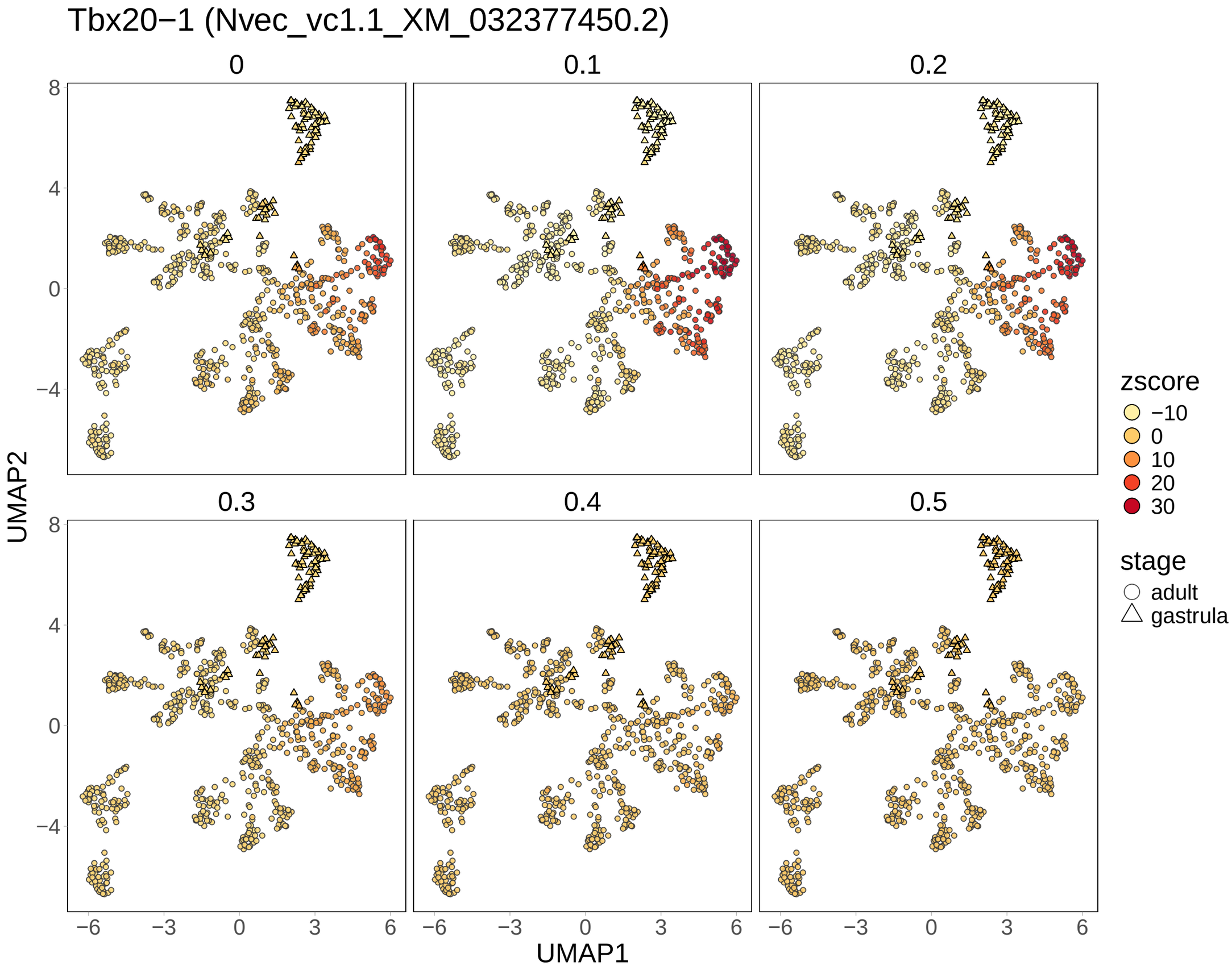

Six3/6 (Nvec_vc1.1_XM_001625109.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
stage
adult
gastrula

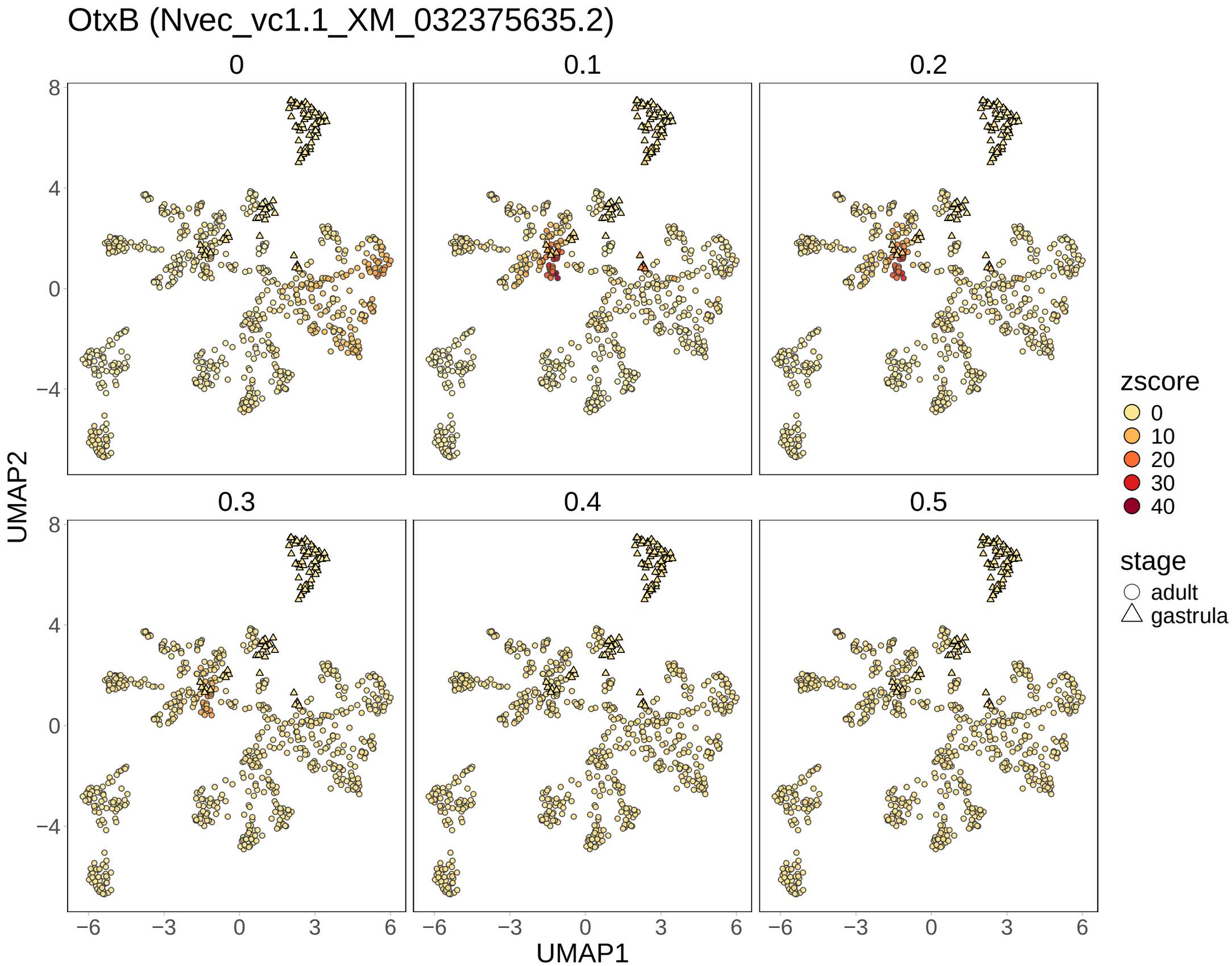

Grainyhead (Nvec_vc1.1_XM_032386243.2)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−5
0
5
10
stage
adult
gastrula

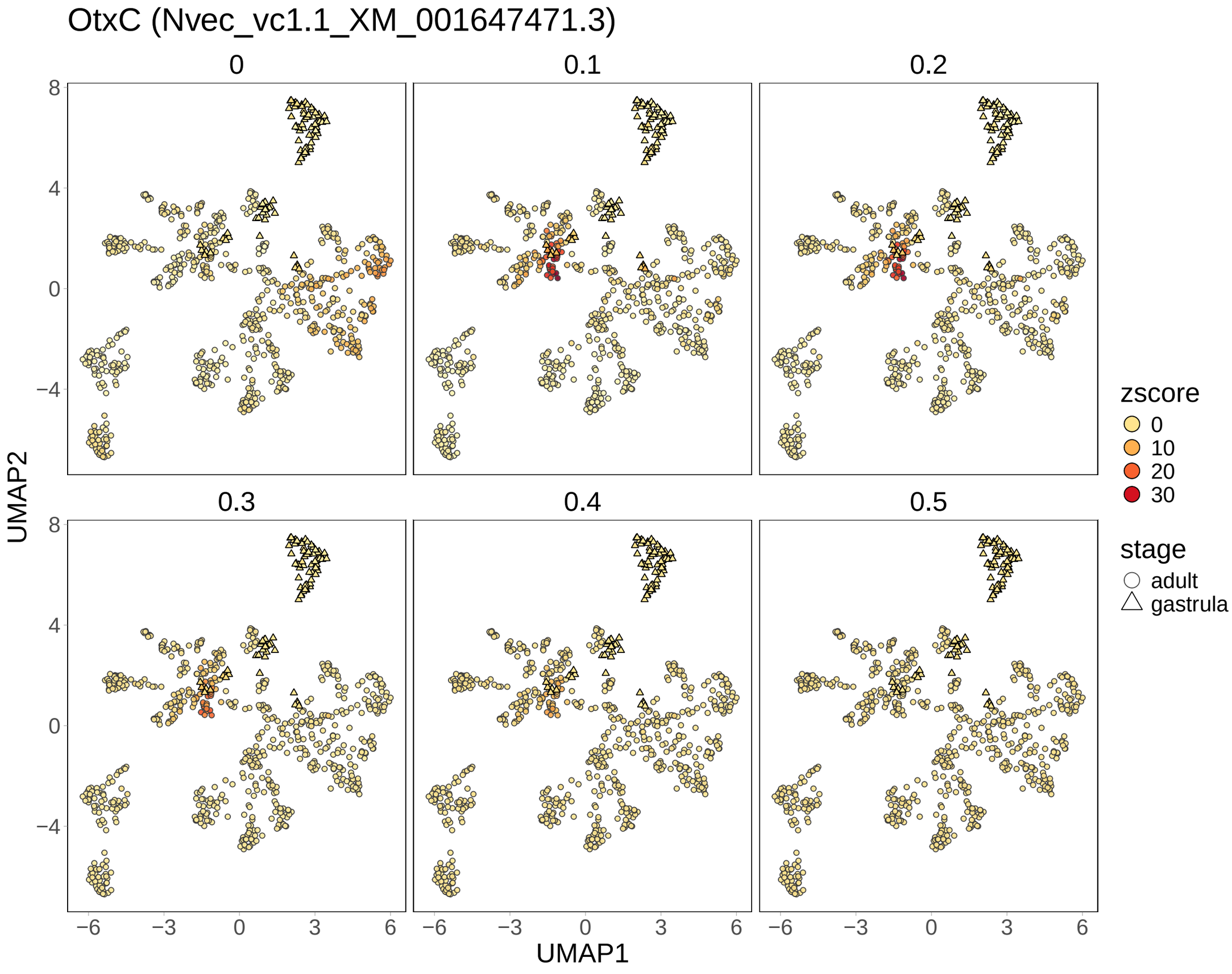

FoxQ2a (Nvec_vc1.1_XM_032386947.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
stage
adult
gastrula

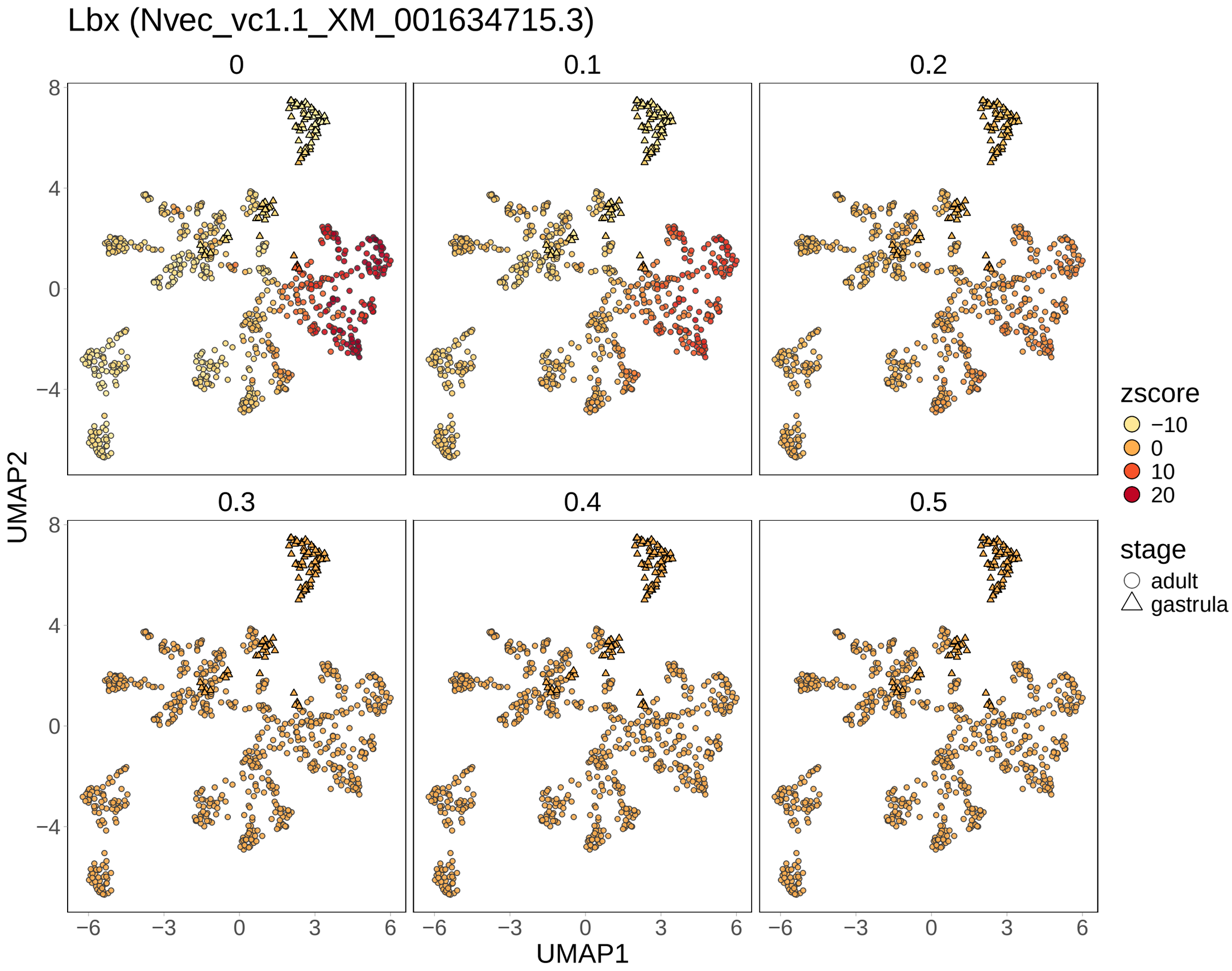

Tbx1/10−1 (Nvec_vc1.1_XM_032374843.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
20
40
stage
adult
gastrula

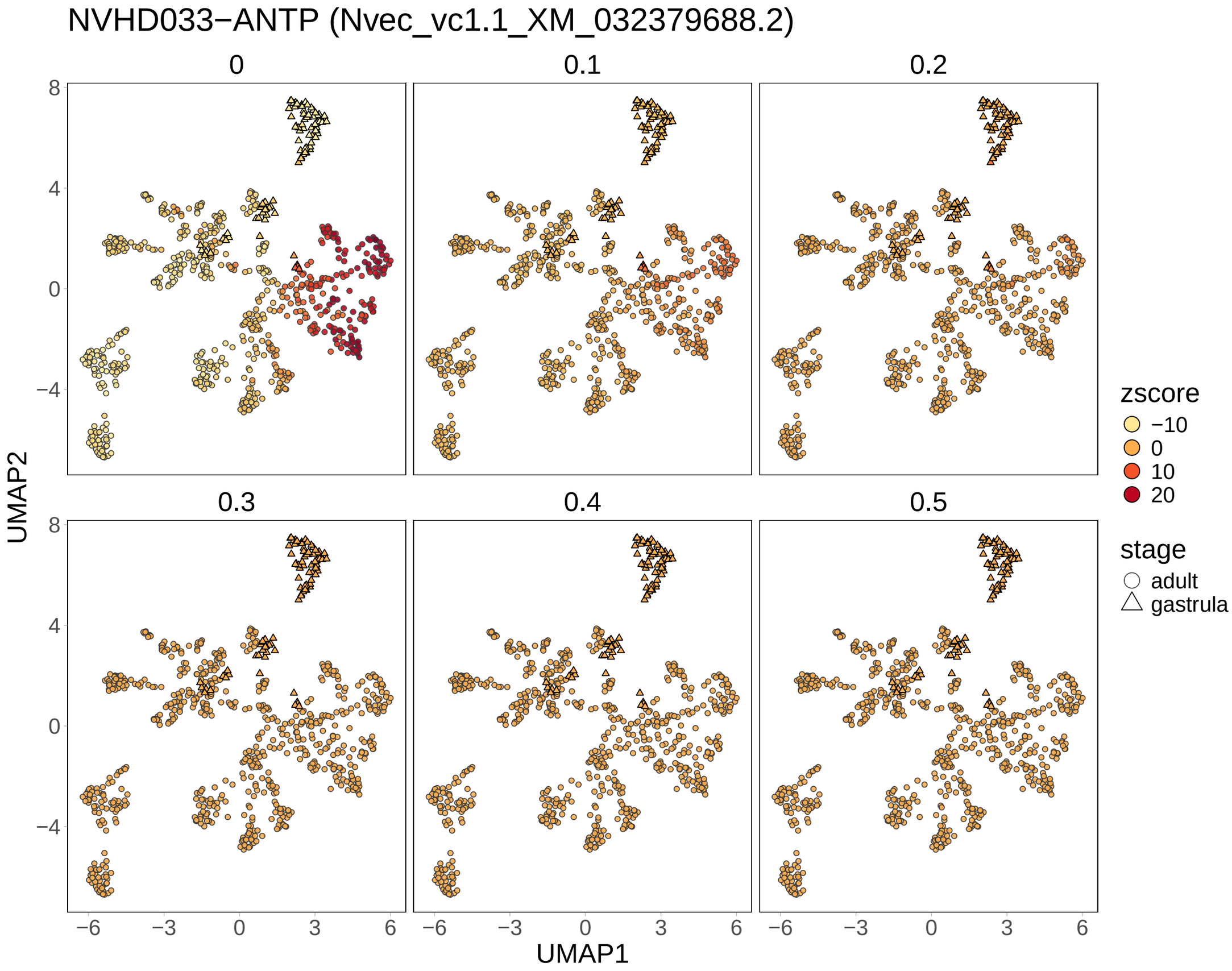

Tbx1/10−2 (Nvec_vc1.1_XM_001627136.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
30
stage
adult
gastrula

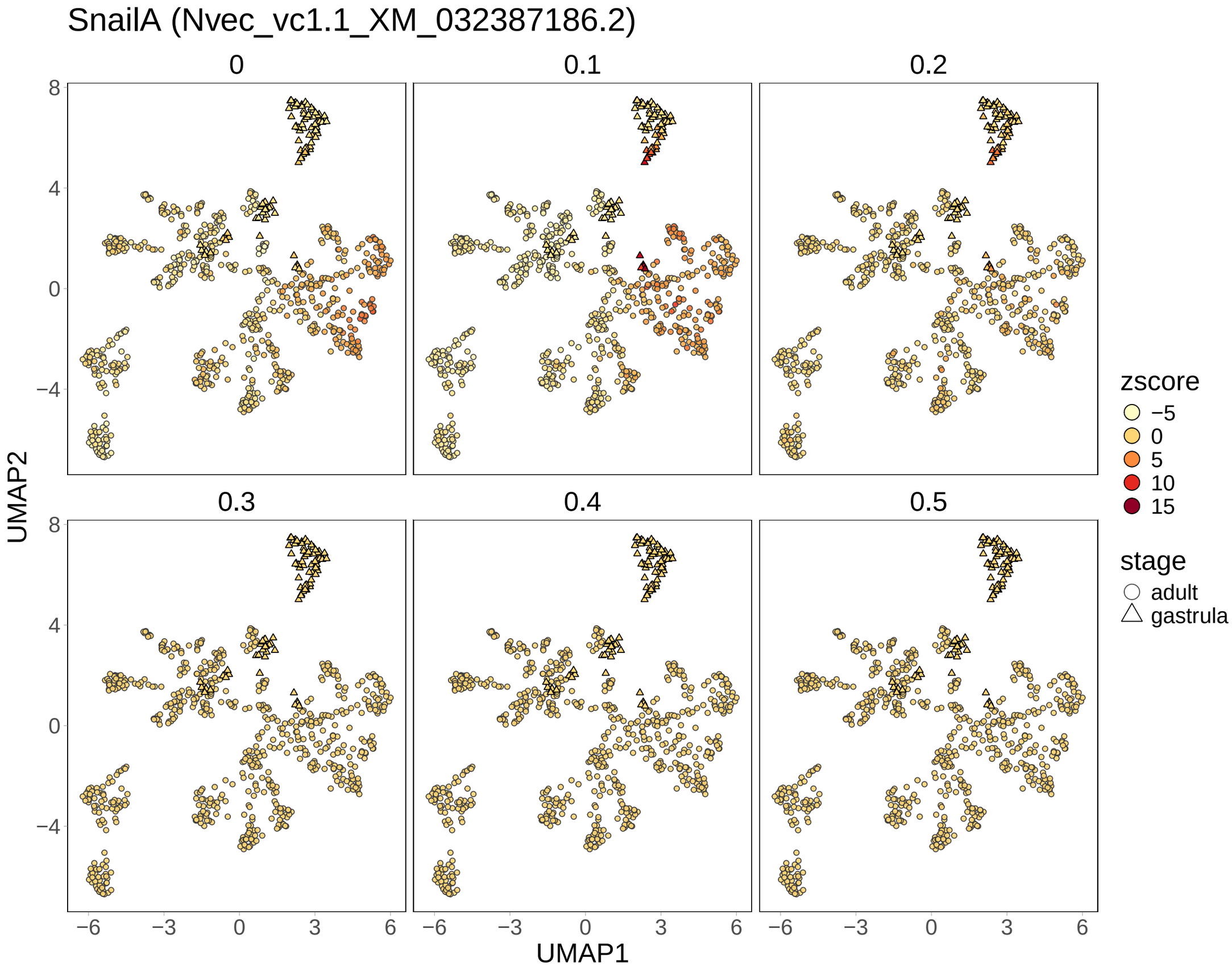

Tbx20−1 (Nvec_vc1.1_XM_032377450.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
30
stage
adult
gastrula

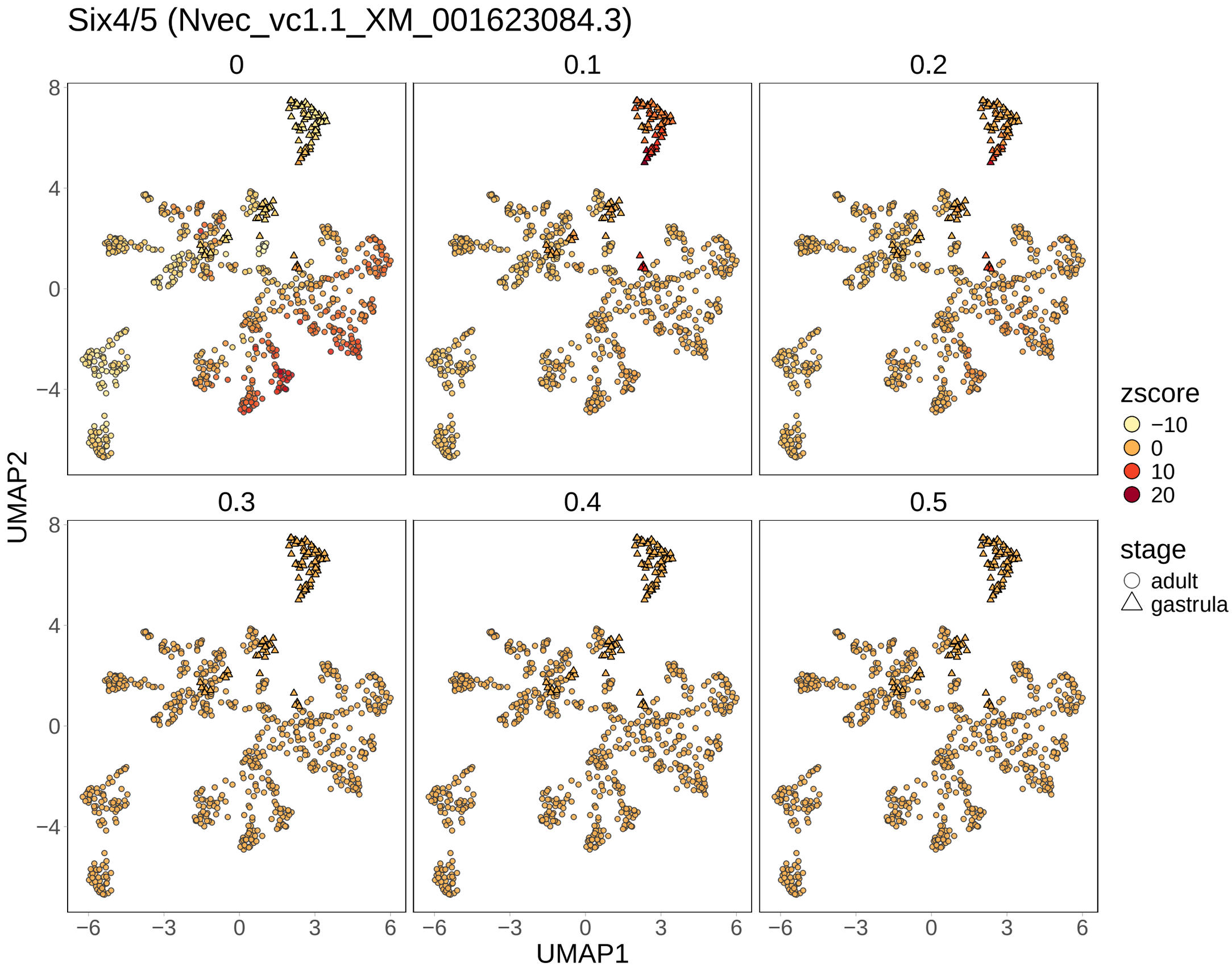

OtxB (Nvec_vc1.1_XM_032375635.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
30
40
stage
adult
gastrula

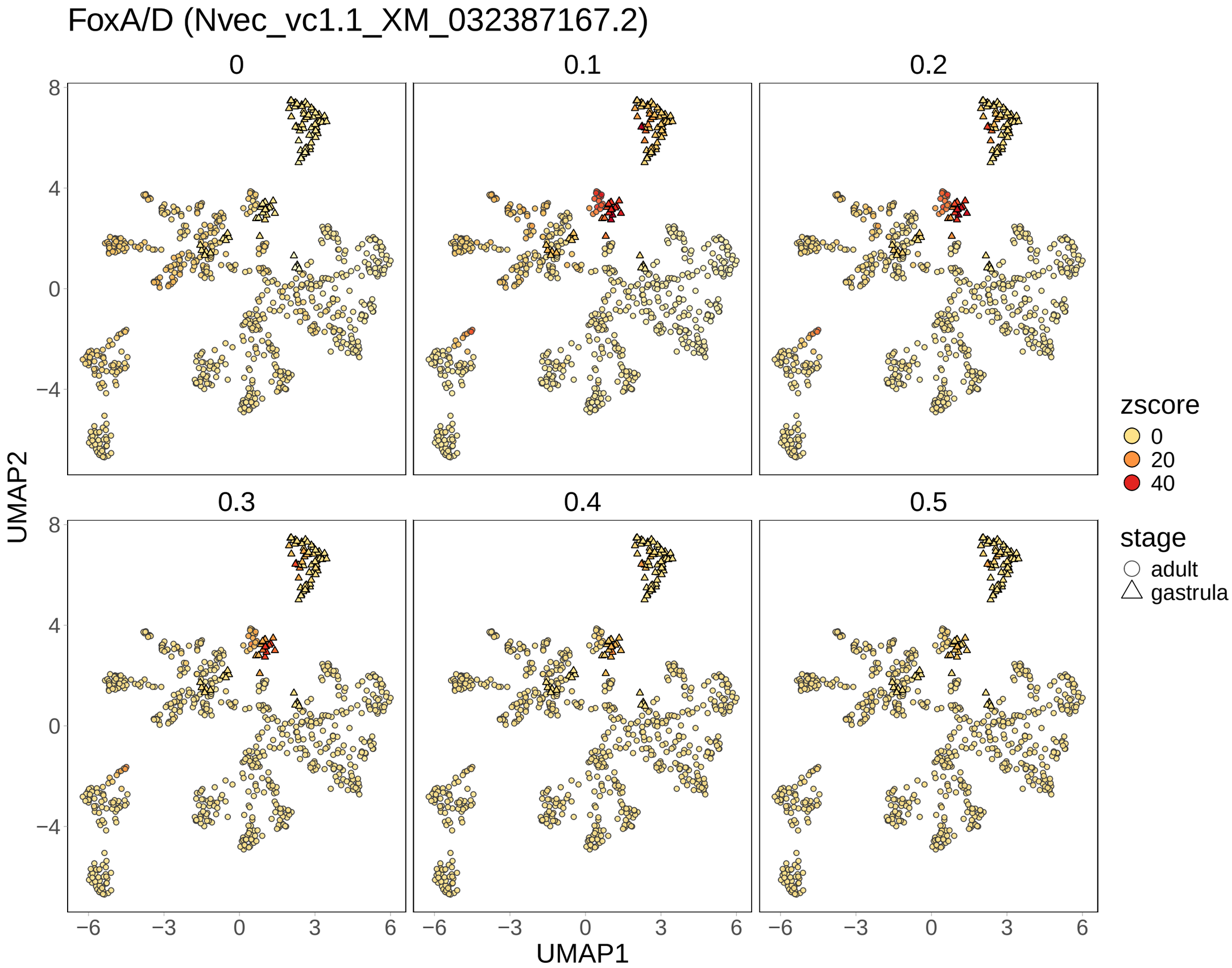

OtxC (Nvec_vc1.1_XM_001647471.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
30
stage
adult
gastrula

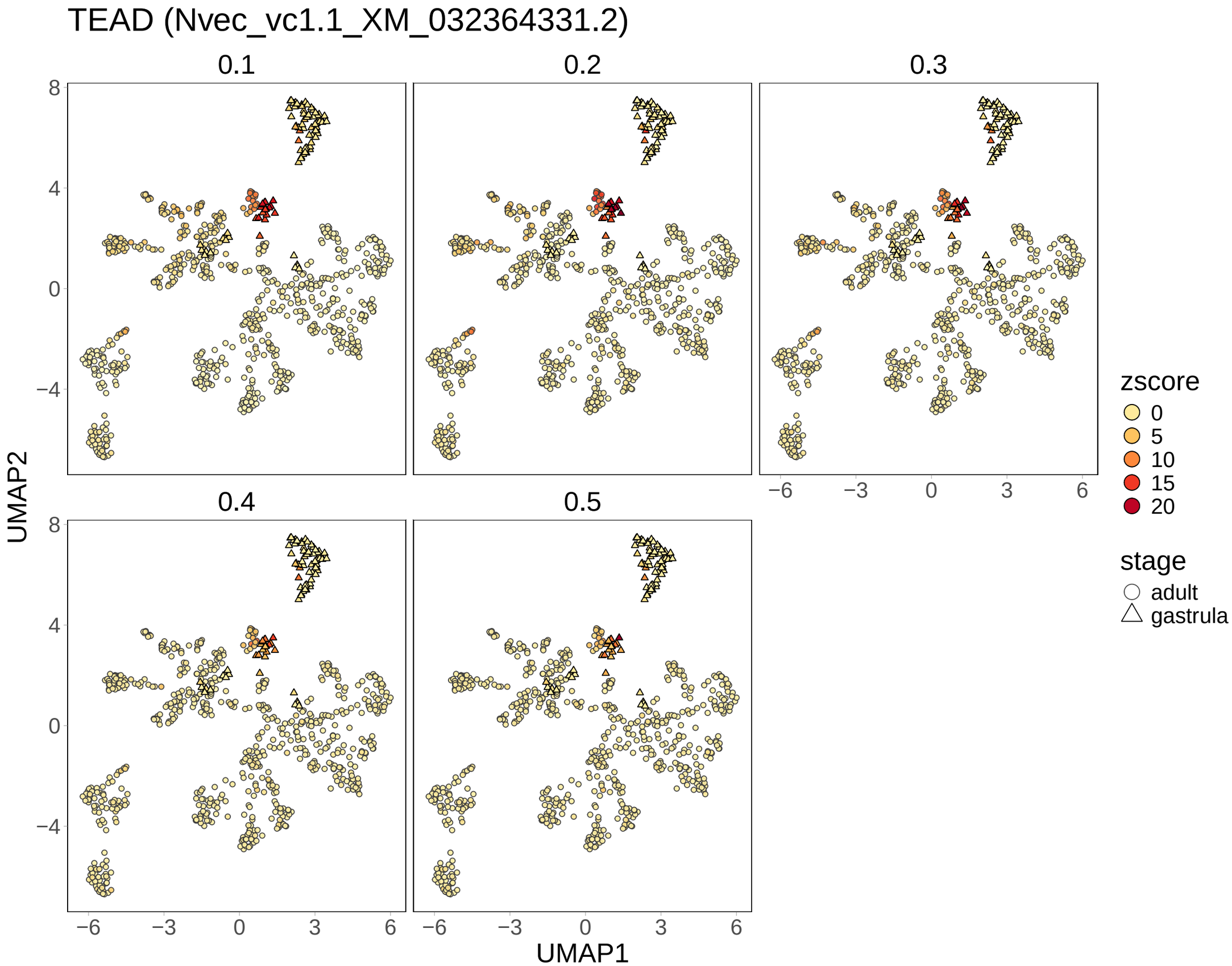

Lbx (Nvec_vc1.1_XM_001634715.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
stage
adult
gastrula

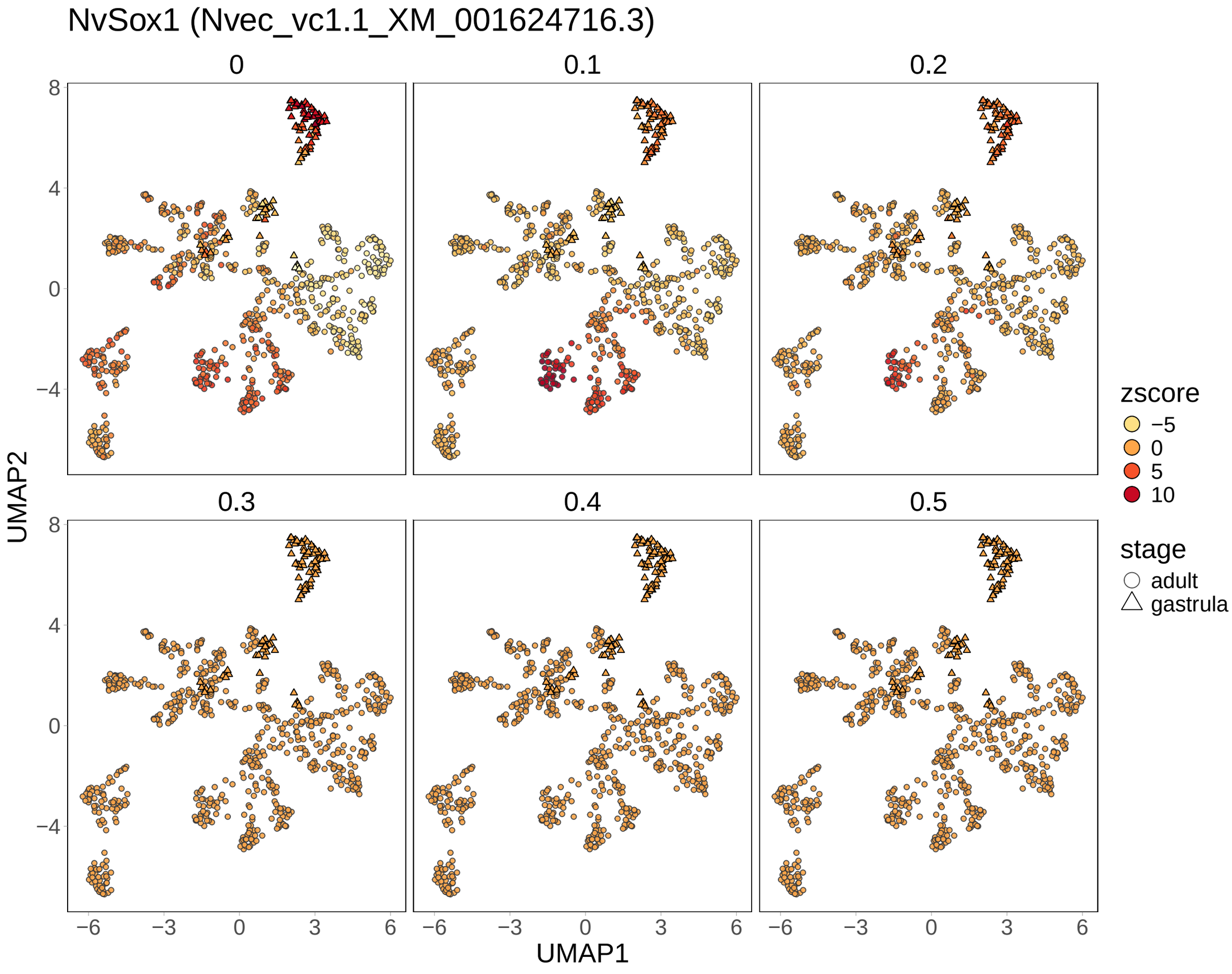

NVHD033−ANTP (Nvec_vc1.1_XM_032379688.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
stage
adult
gastrula

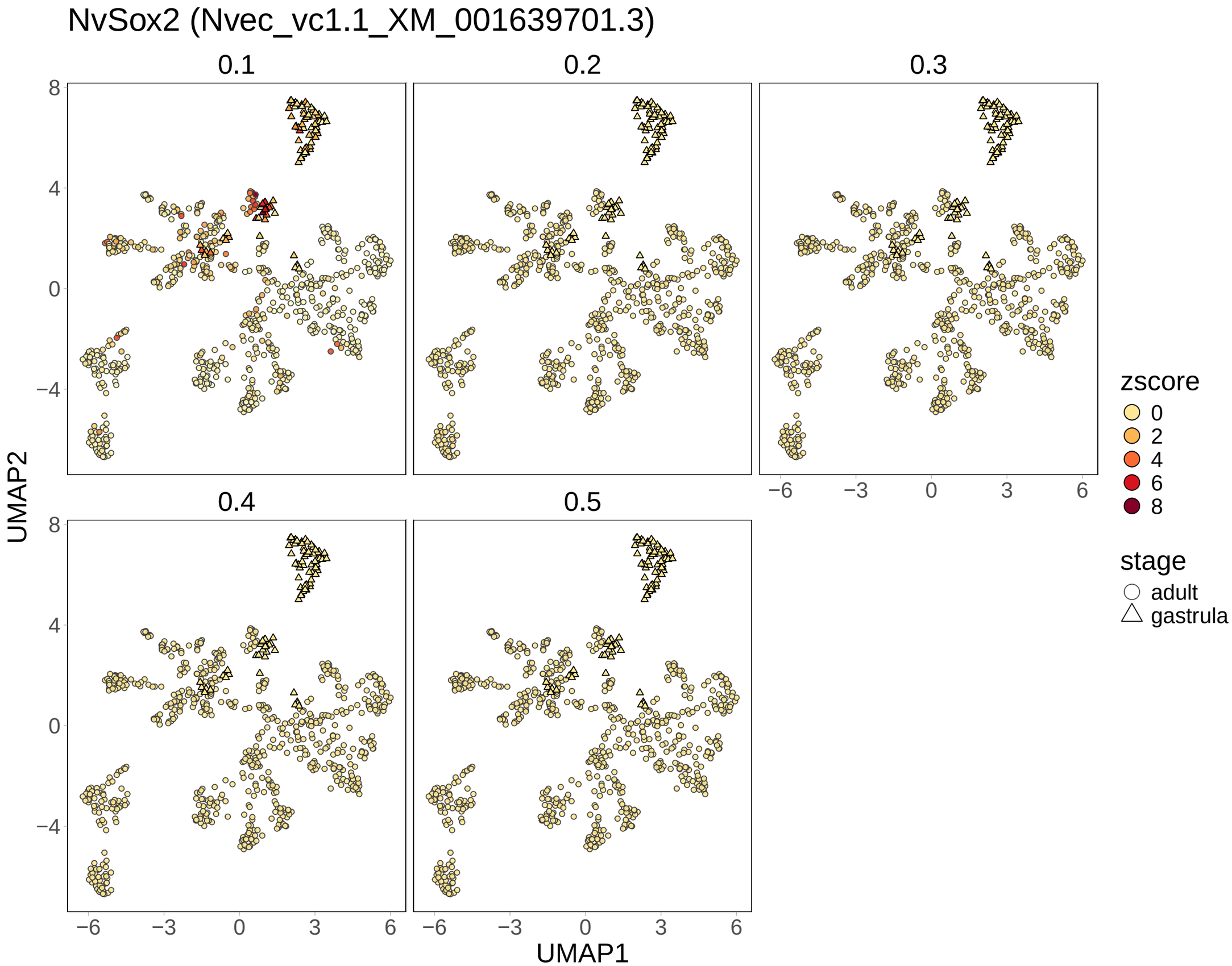

SnailA (Nvec_vc1.1_XM_032387186.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−5
0
5
10
15
stage
adult
gastrula


Six4/5 (Nvec_vc1.1_XM_001623084.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
stage
adult
gastrula

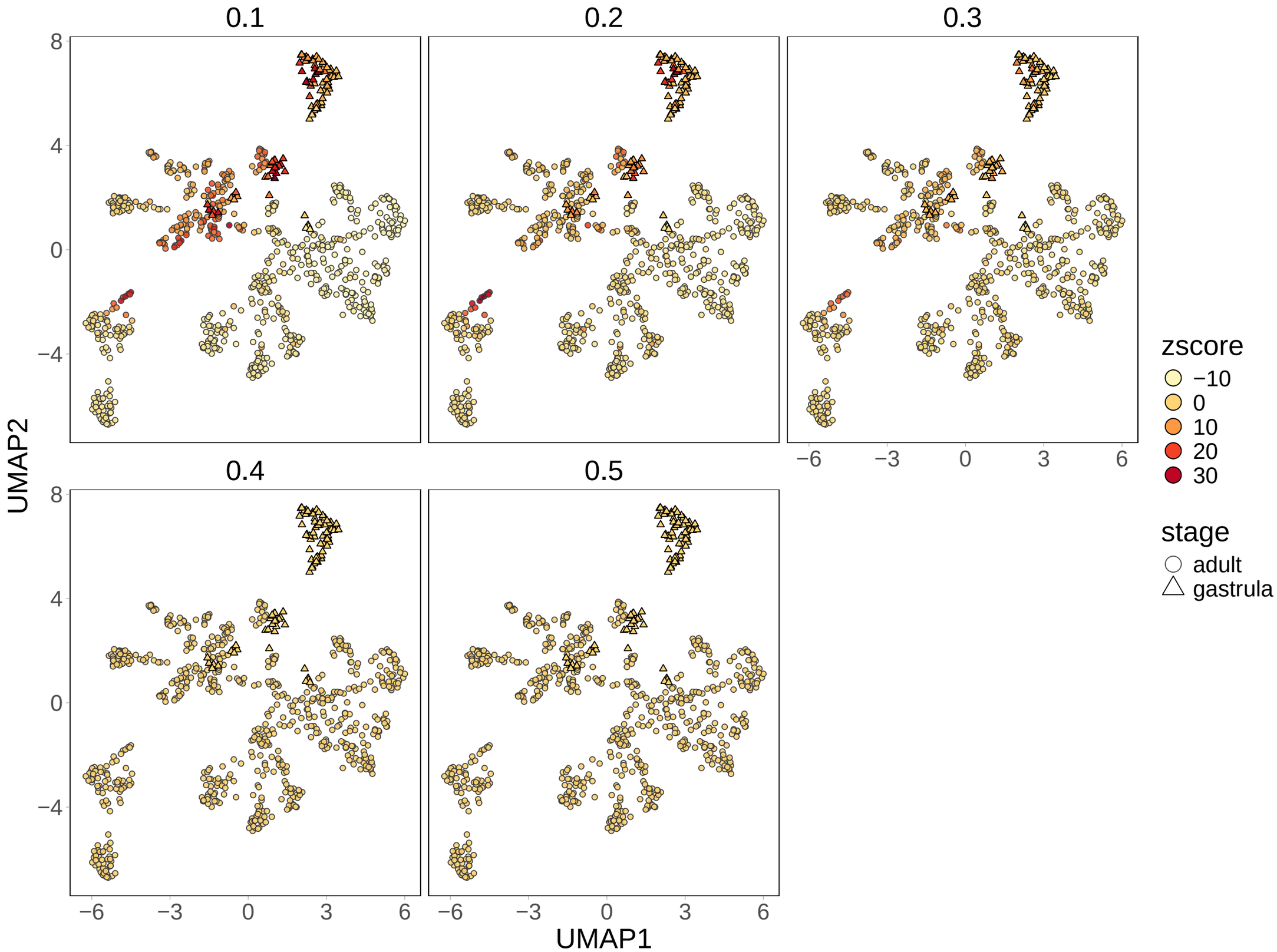

FoxA/D (Nvec_vc1.1_XM_032387167.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
20
40
stage
adult
gastrula

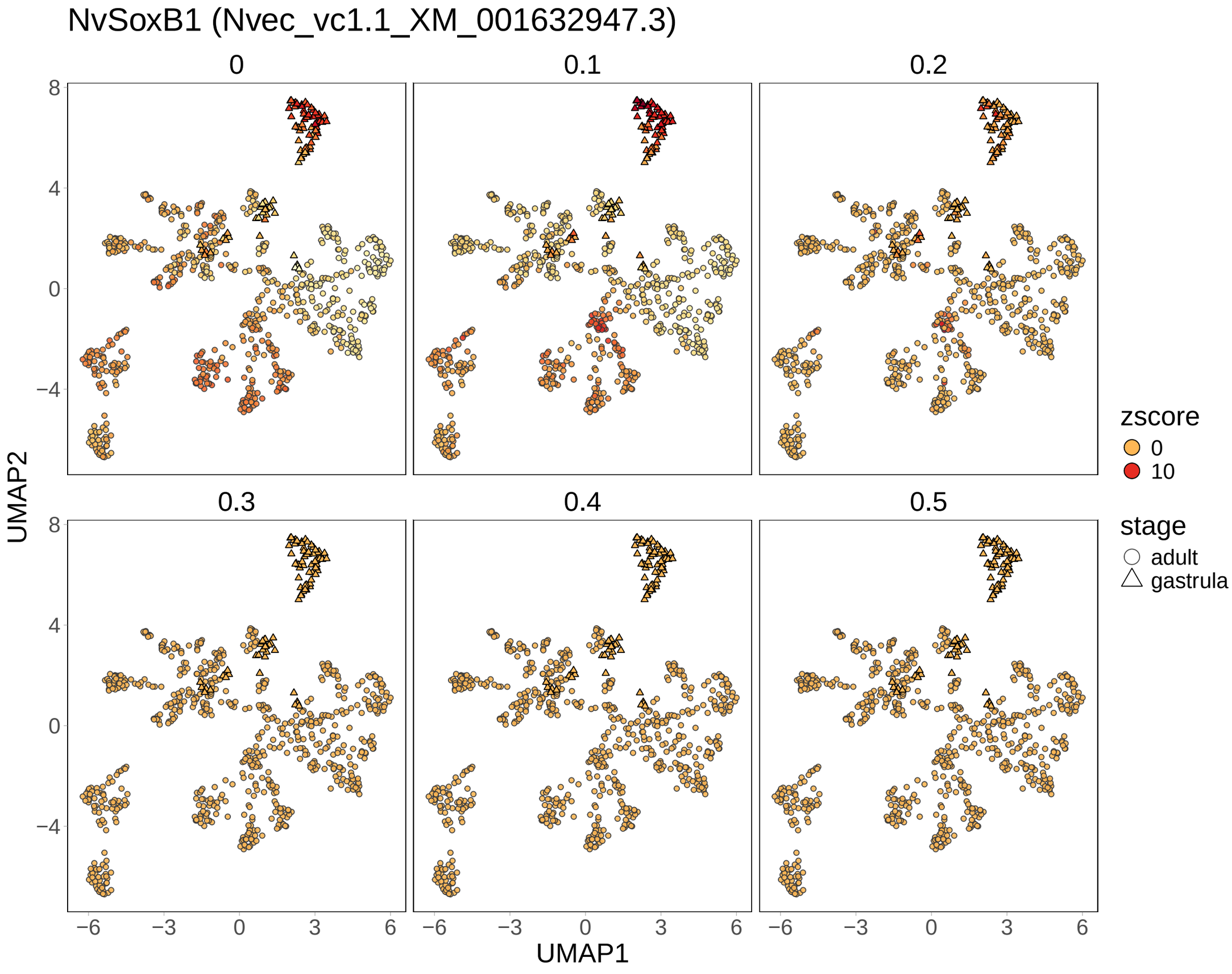

TEAD (Nvec_vc1.1_XM_032364331.2)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
5
10
15
20
stage
adult
gastrula

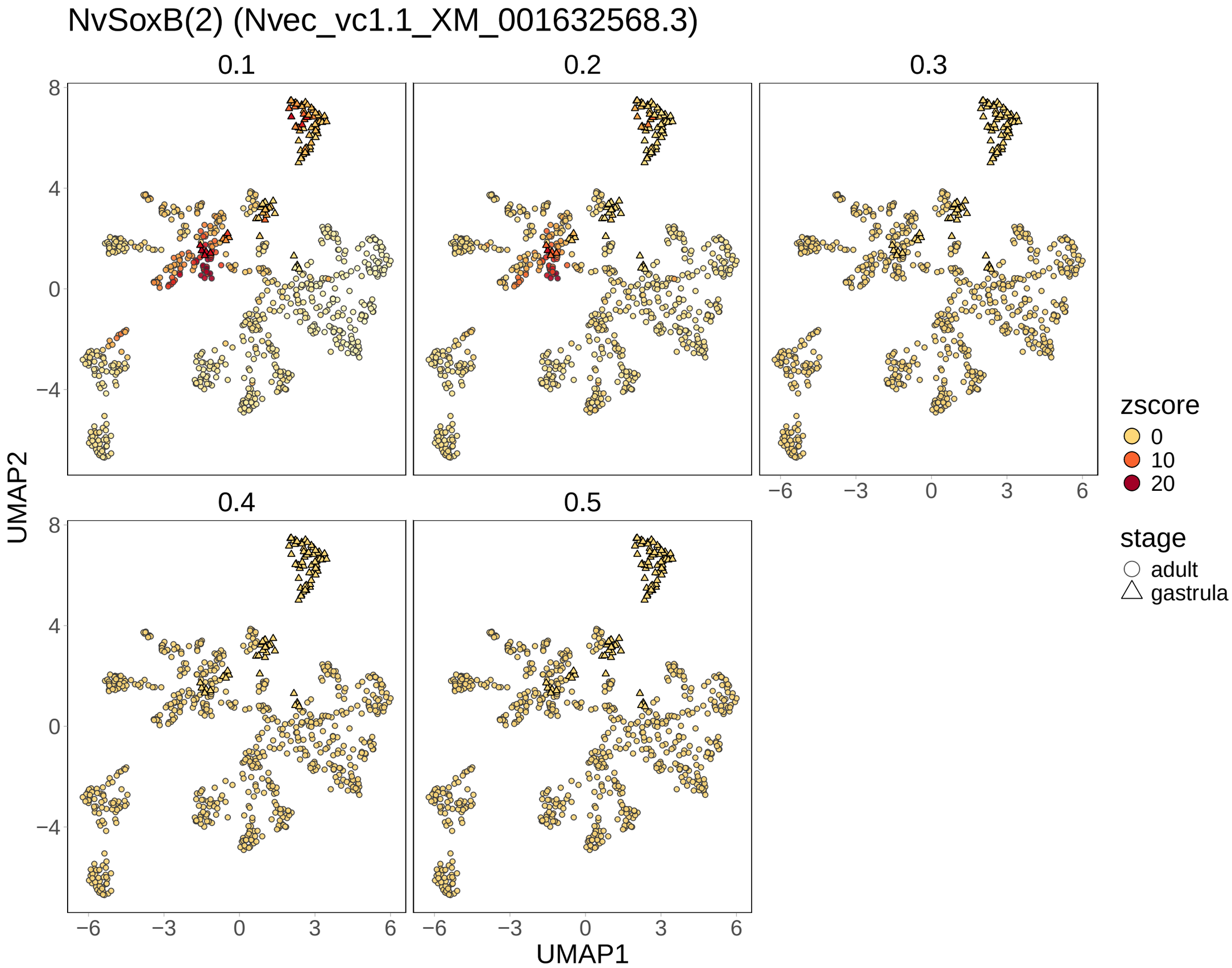

NvSox1 (Nvec_vc1.1_XM_001624716.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−5
0
5
10
stage
adult
gastrula

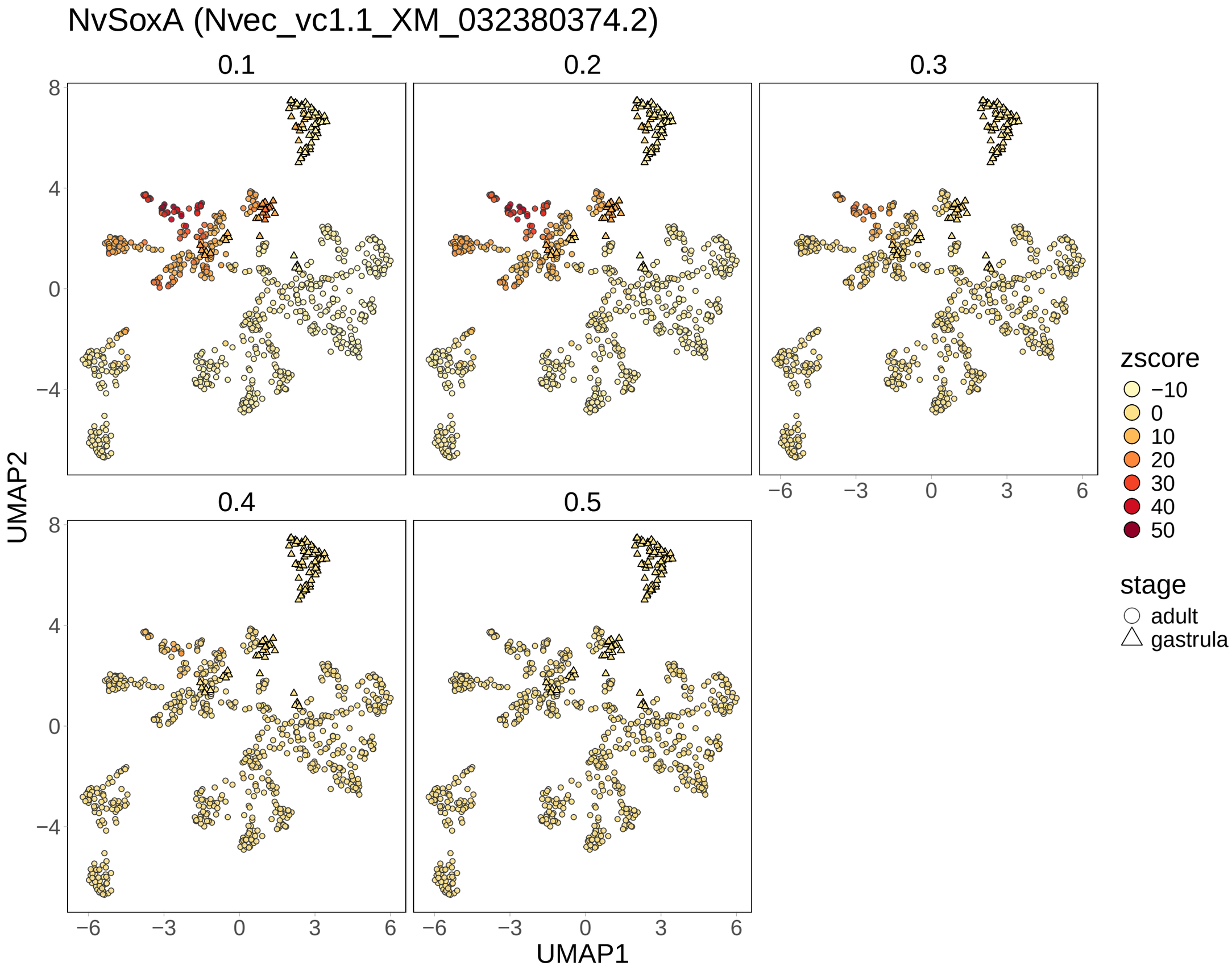

NvSox2 (Nvec_vc1.1_XM_001639701.3)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
2
4
6
8
stage
adult
gastrula

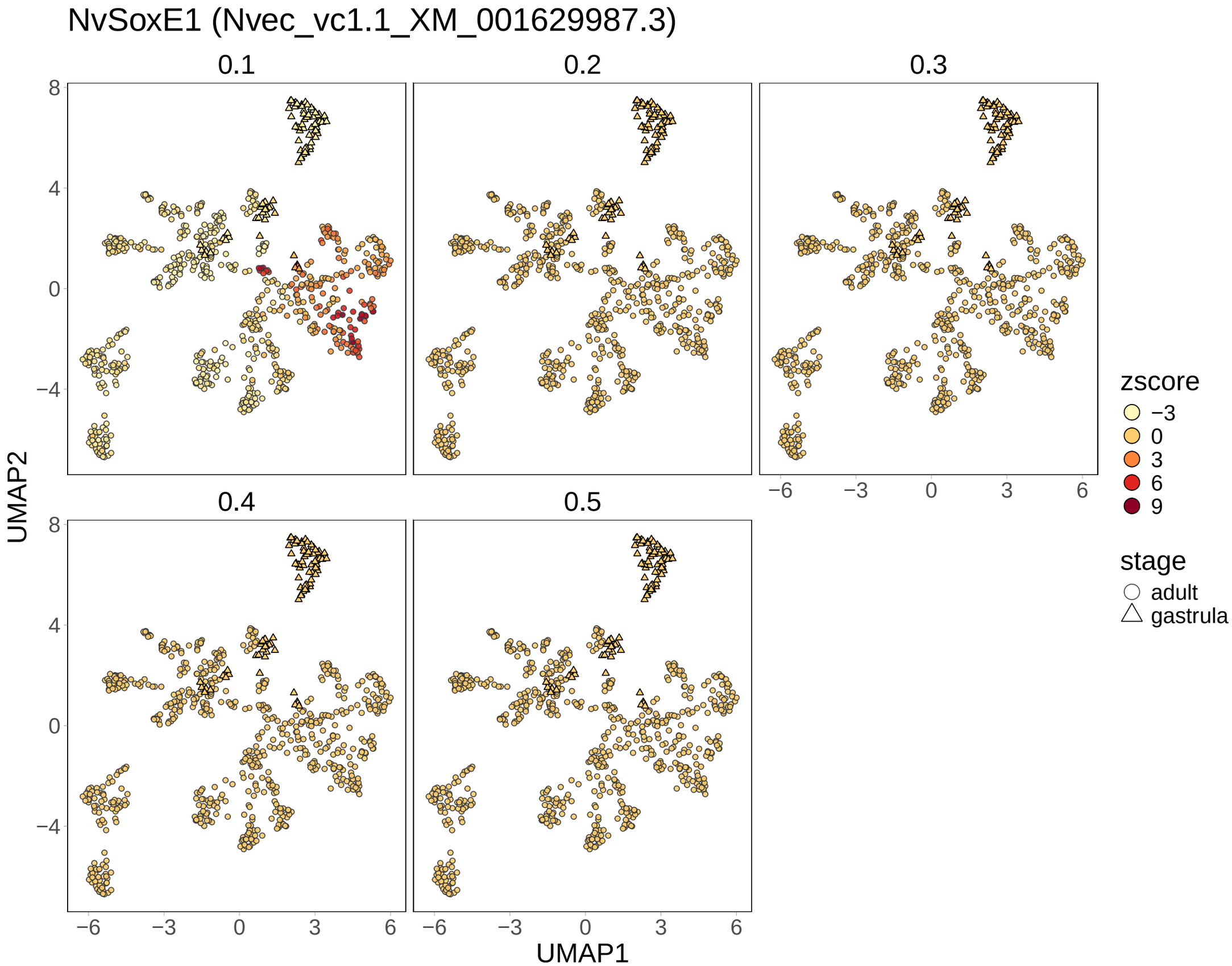
NvSoxC (Nvec_vc1.1_XM_032372264.2)

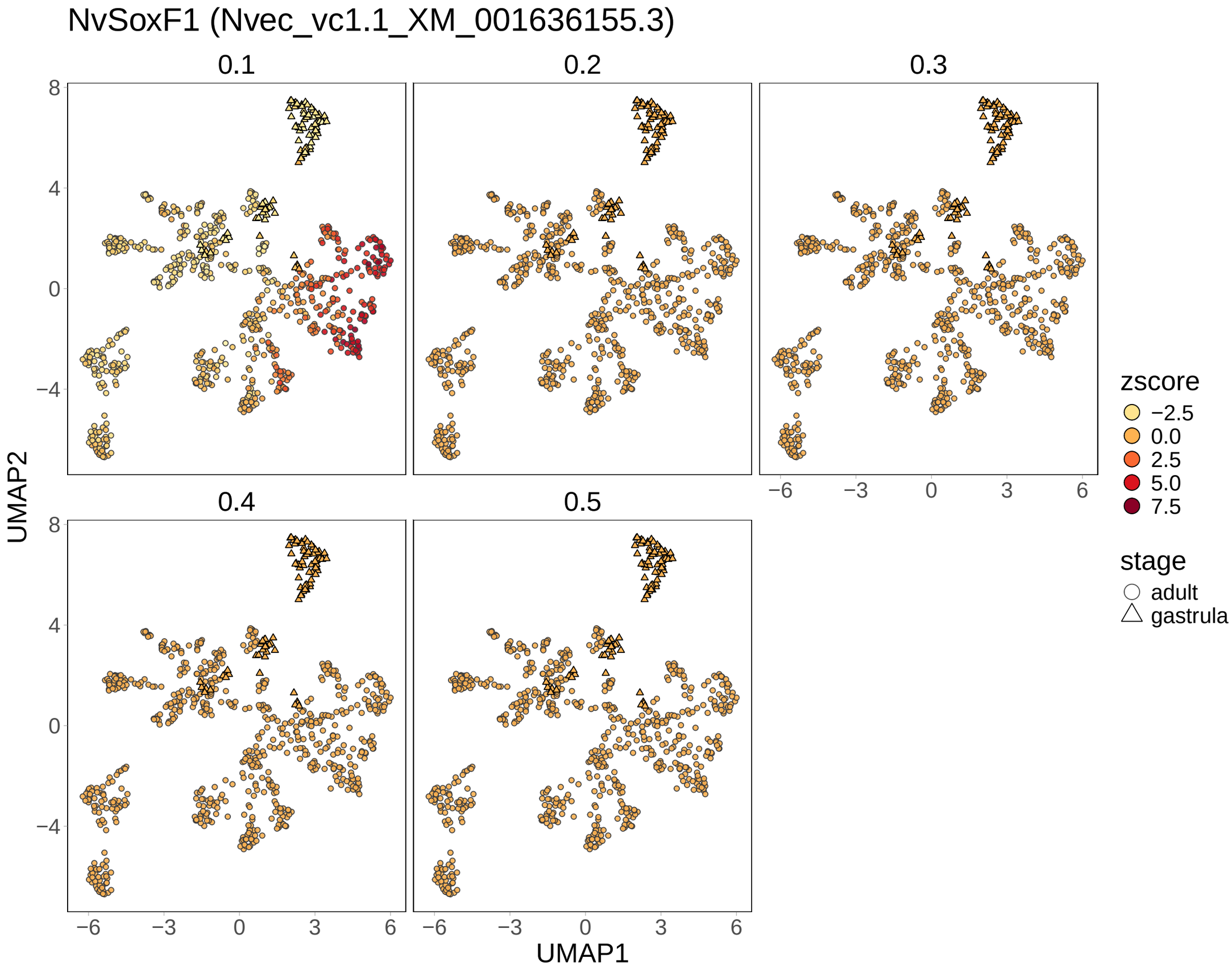


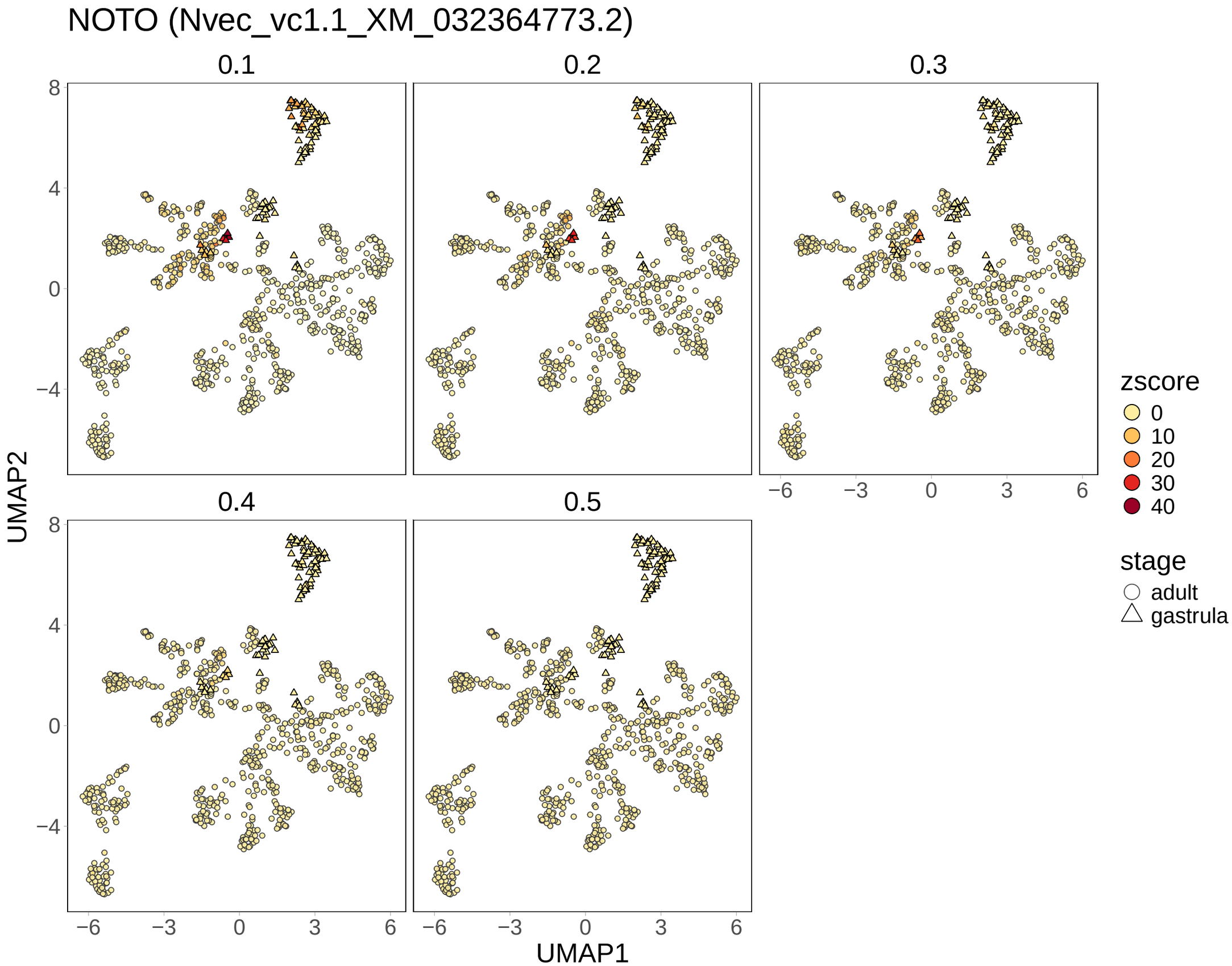

NvSoxB1 (Nvec_vc1.1_XM_001632947.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
stage
adult
gastrula

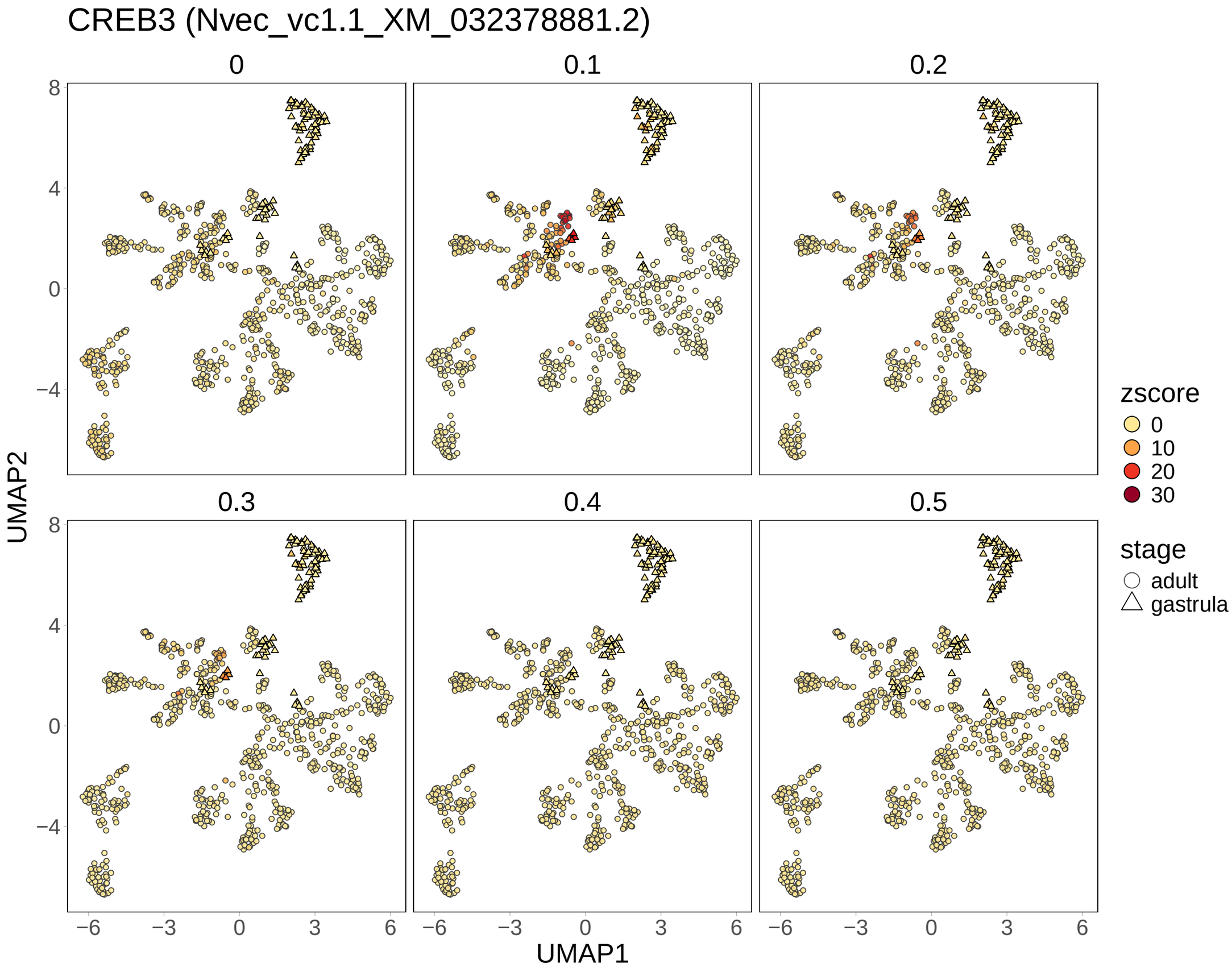

NvSoxB(2) (Nvec_vc1.1_XM_001632568.3)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
stage
adult
gastrula

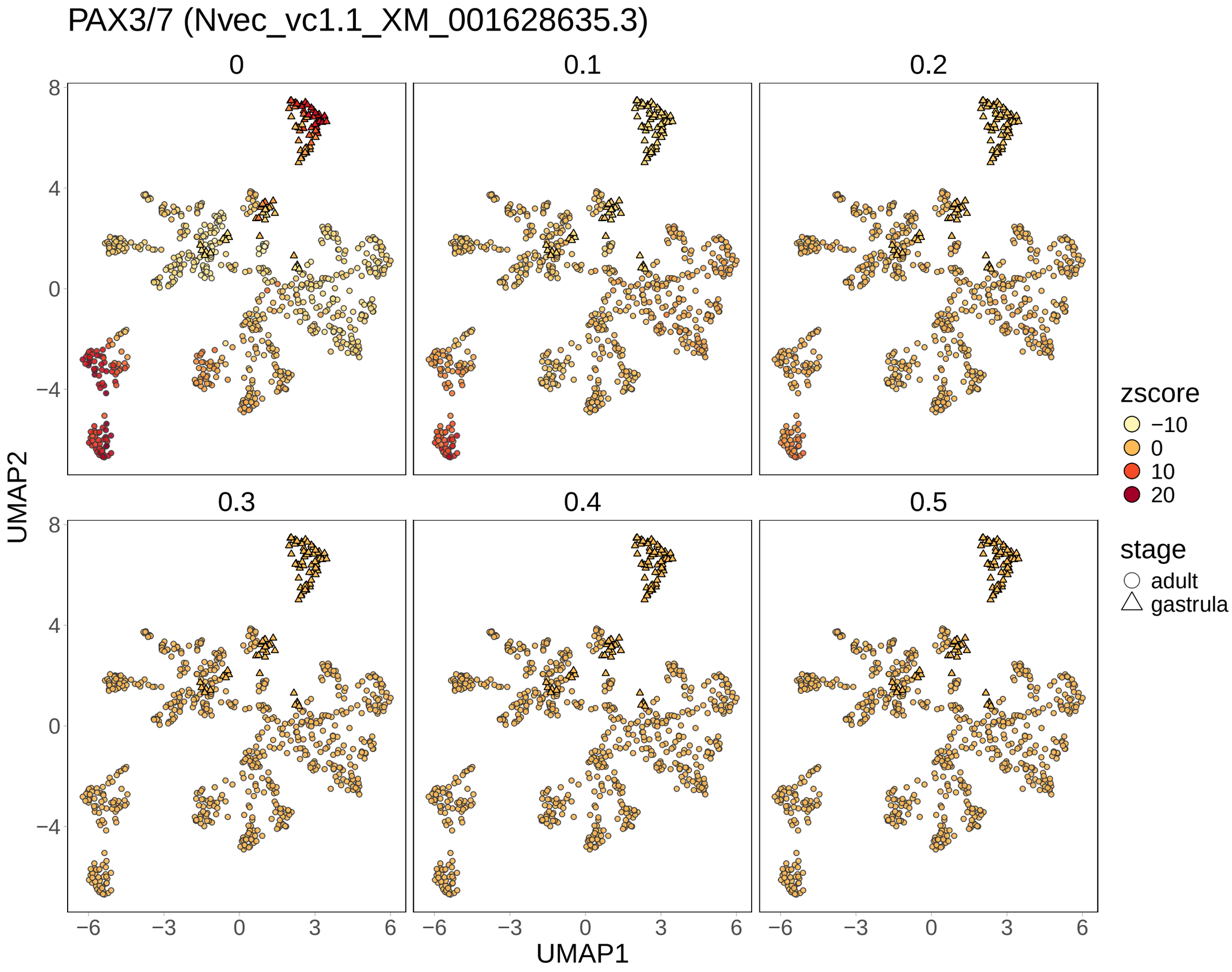

NvSoxA (Nvec_vc1.1_XM_032380374.2)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
30
40
50
stage
adult
gastrula

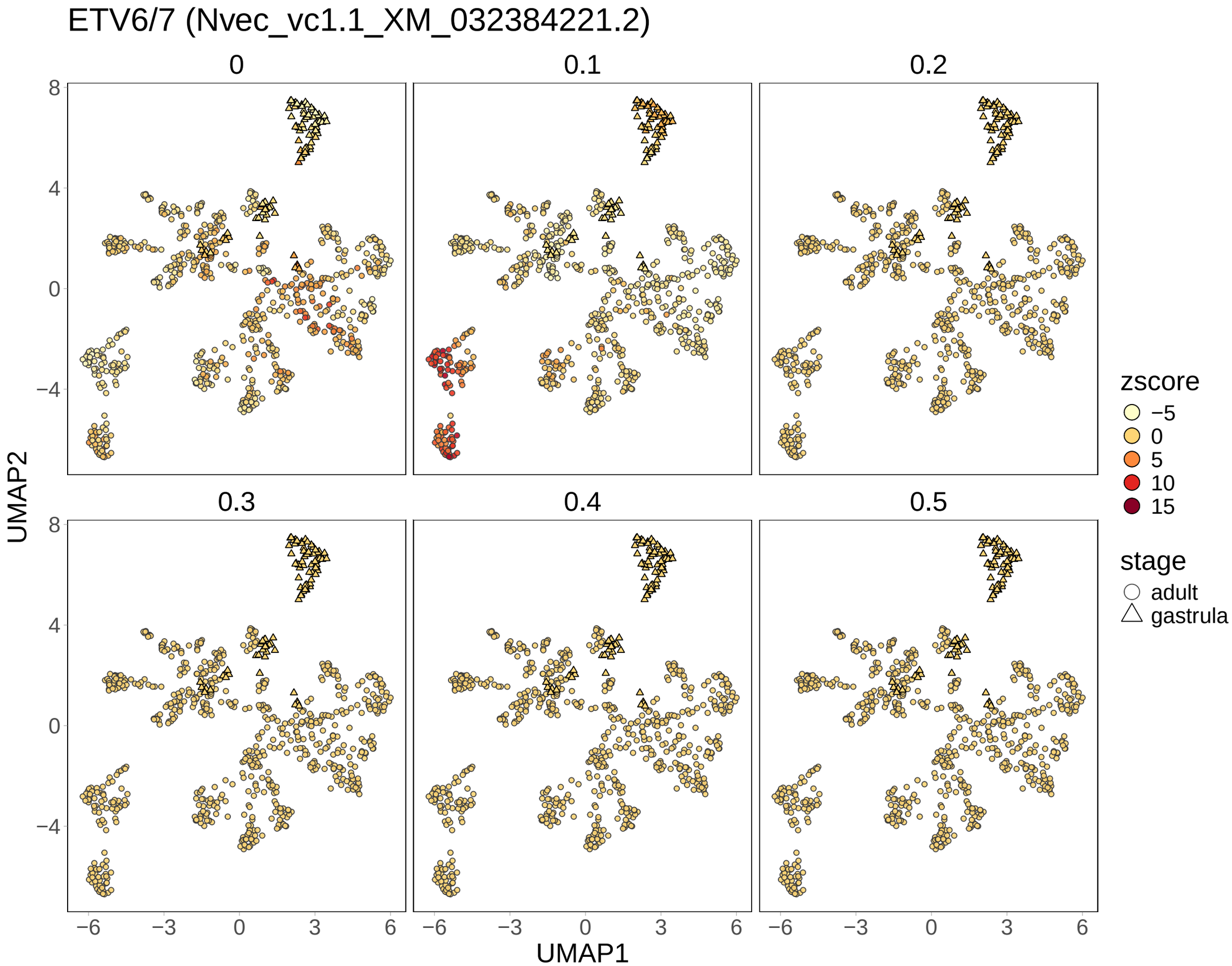

NvSoxE1 (Nvec_vc1.1_XM_001629987.3)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−3
0
3
6
9
stage
adult
gastrula

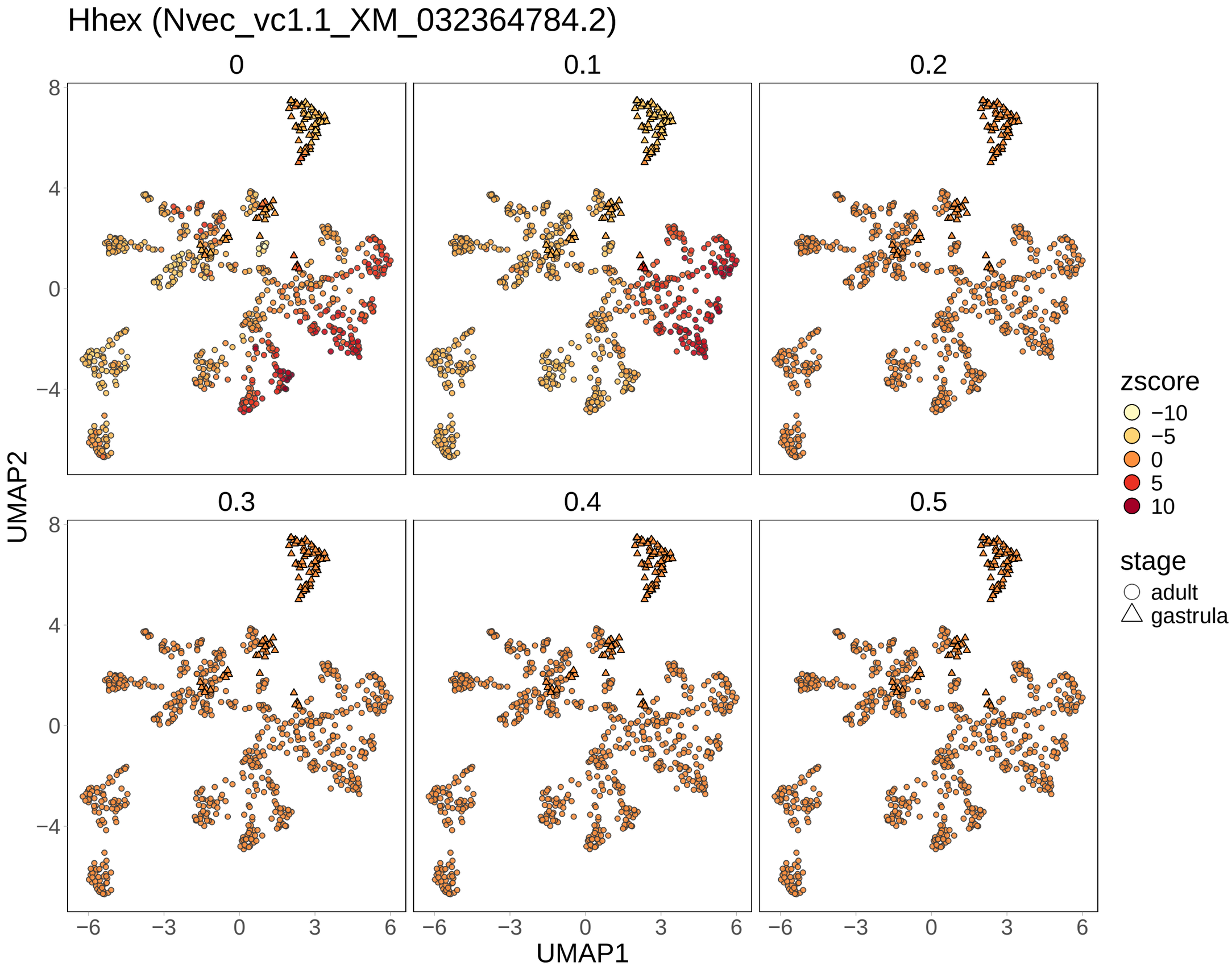

NvSoxF1 (Nvec_vc1.1_XM_001636155.3)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−2.5
0.0
2.5
5.0
7.5
stage
adult
gastrula

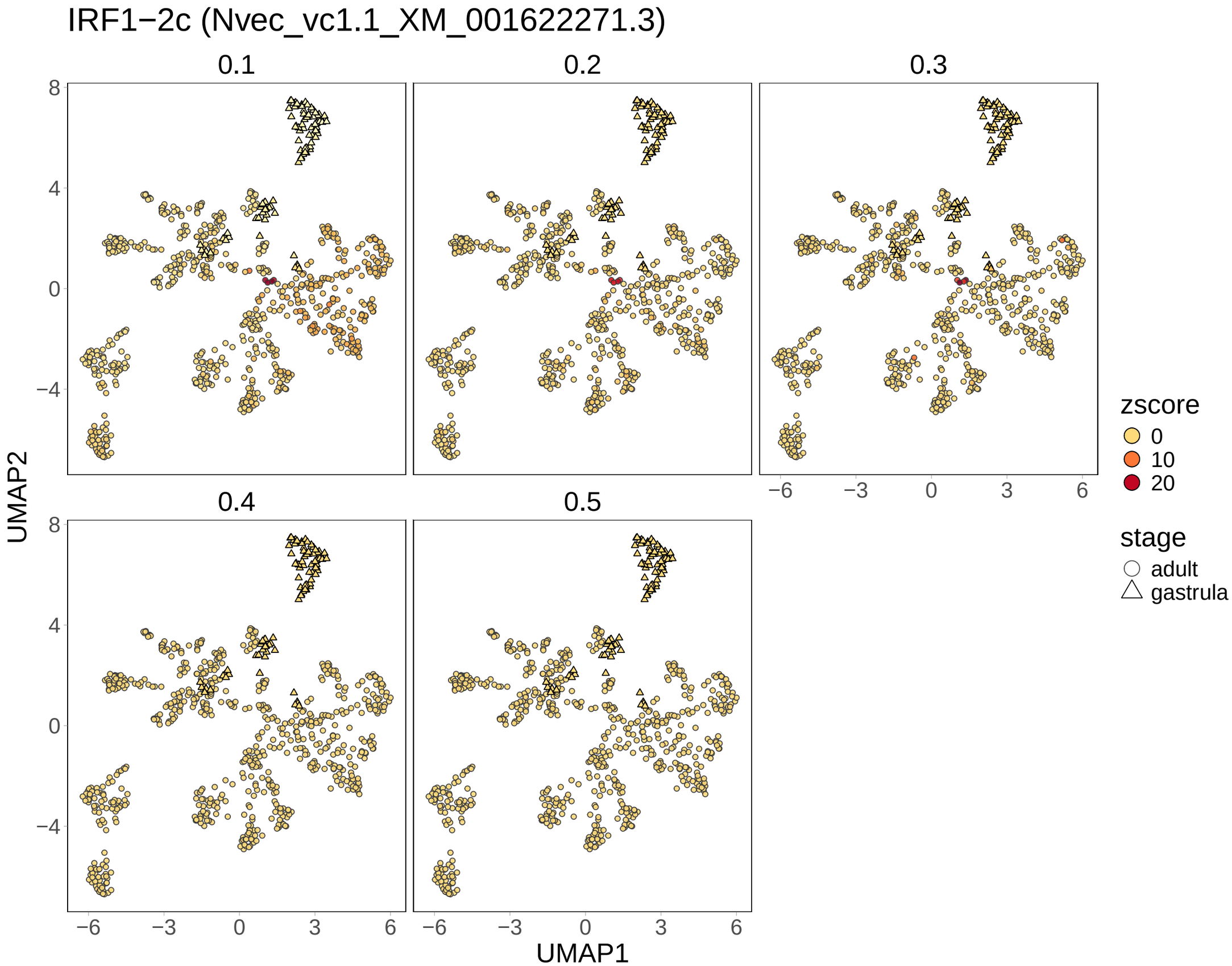

NOTO (Nvec_vc1.1_XM_032364773.2)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
30
40
stage
adult
gastrula

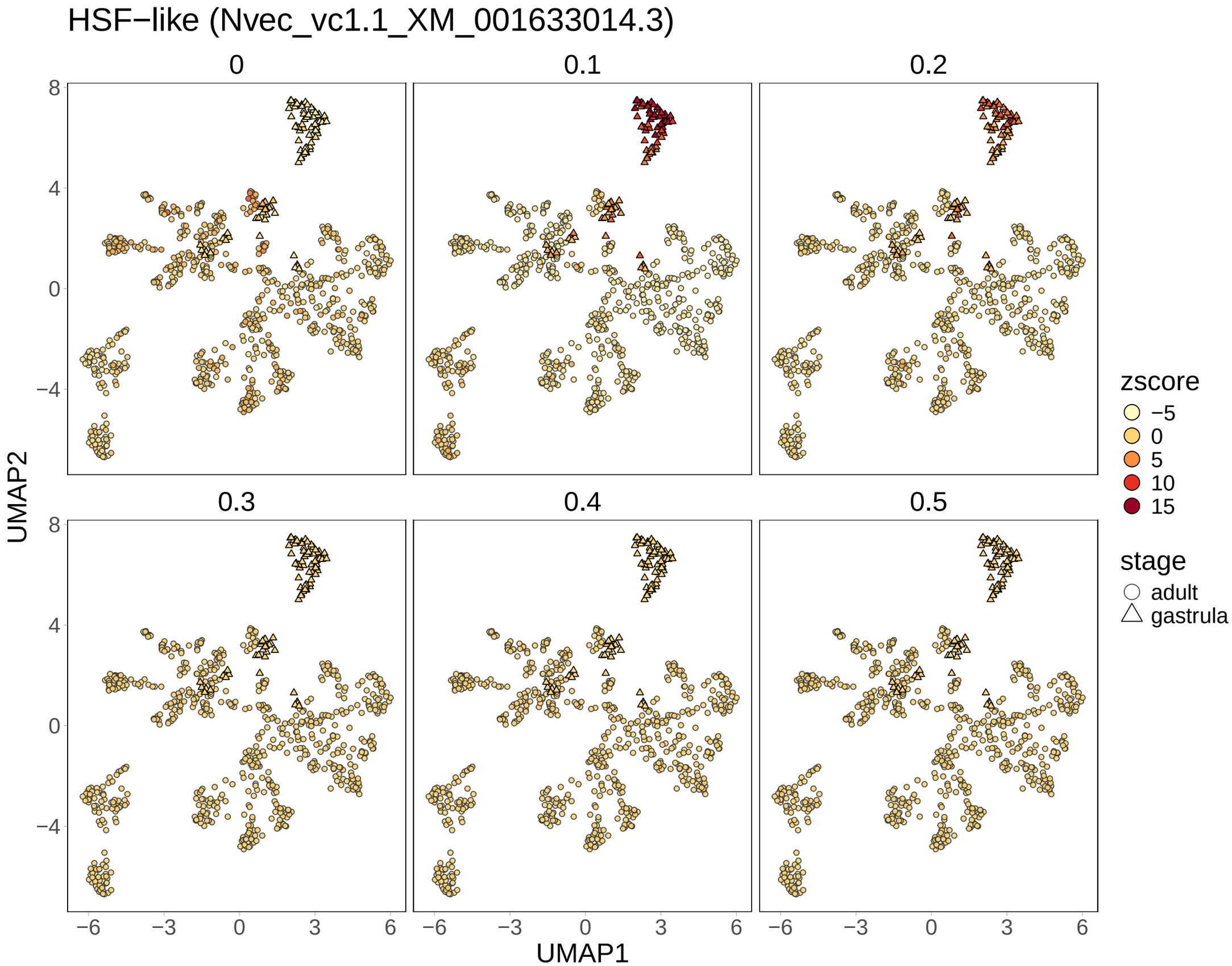

CREB3 (Nvec_vc1.1_XM_032378881.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
30
stage
adult
gastrula

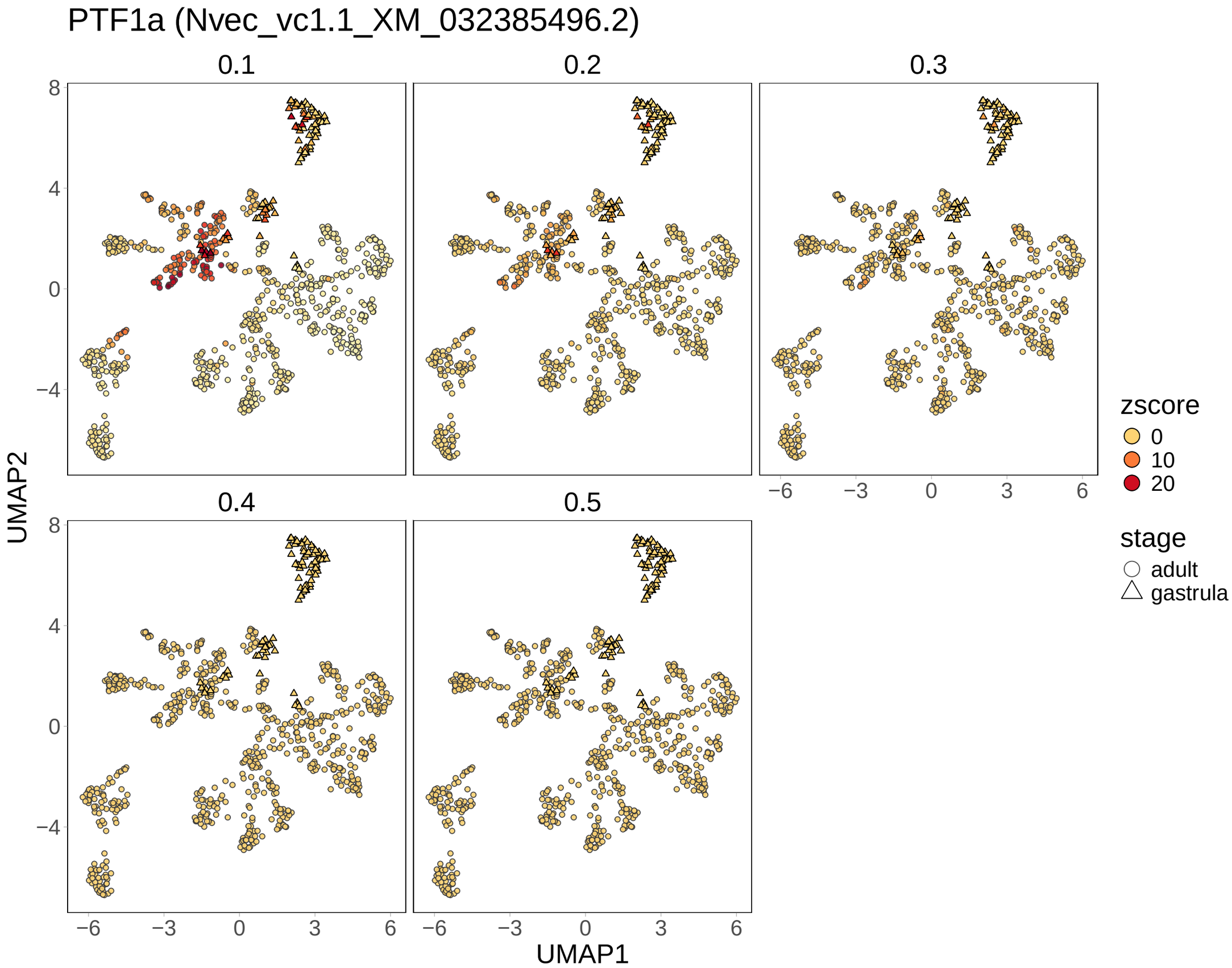

PAX3/7 (Nvec_vc1.1_XM_001628635.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
0
10
20
stage
adult
gastrula

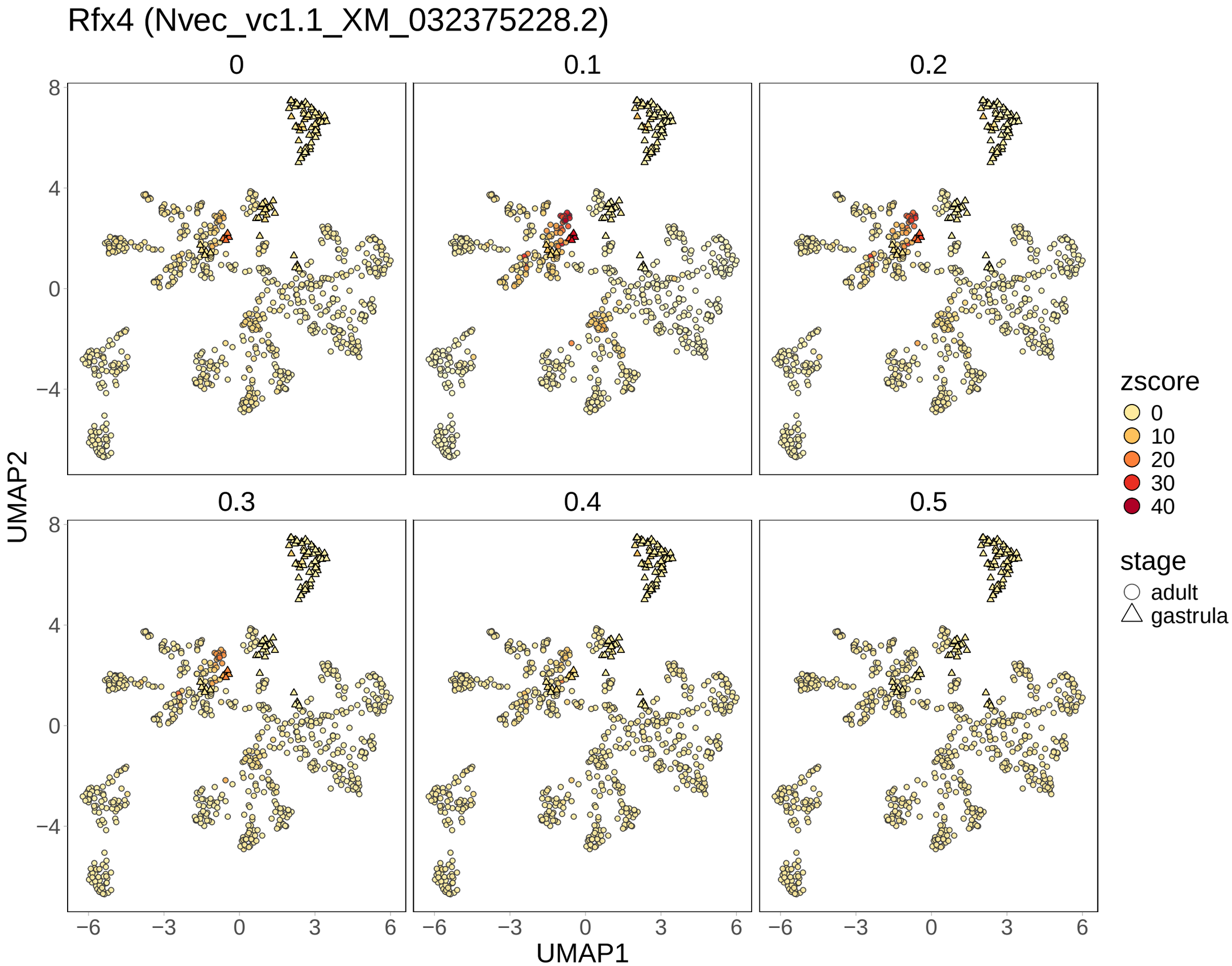

ETV6/7 (Nvec_vc1.1_XM_032384221.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−5
0
5
10
15
stage
adult
gastrula

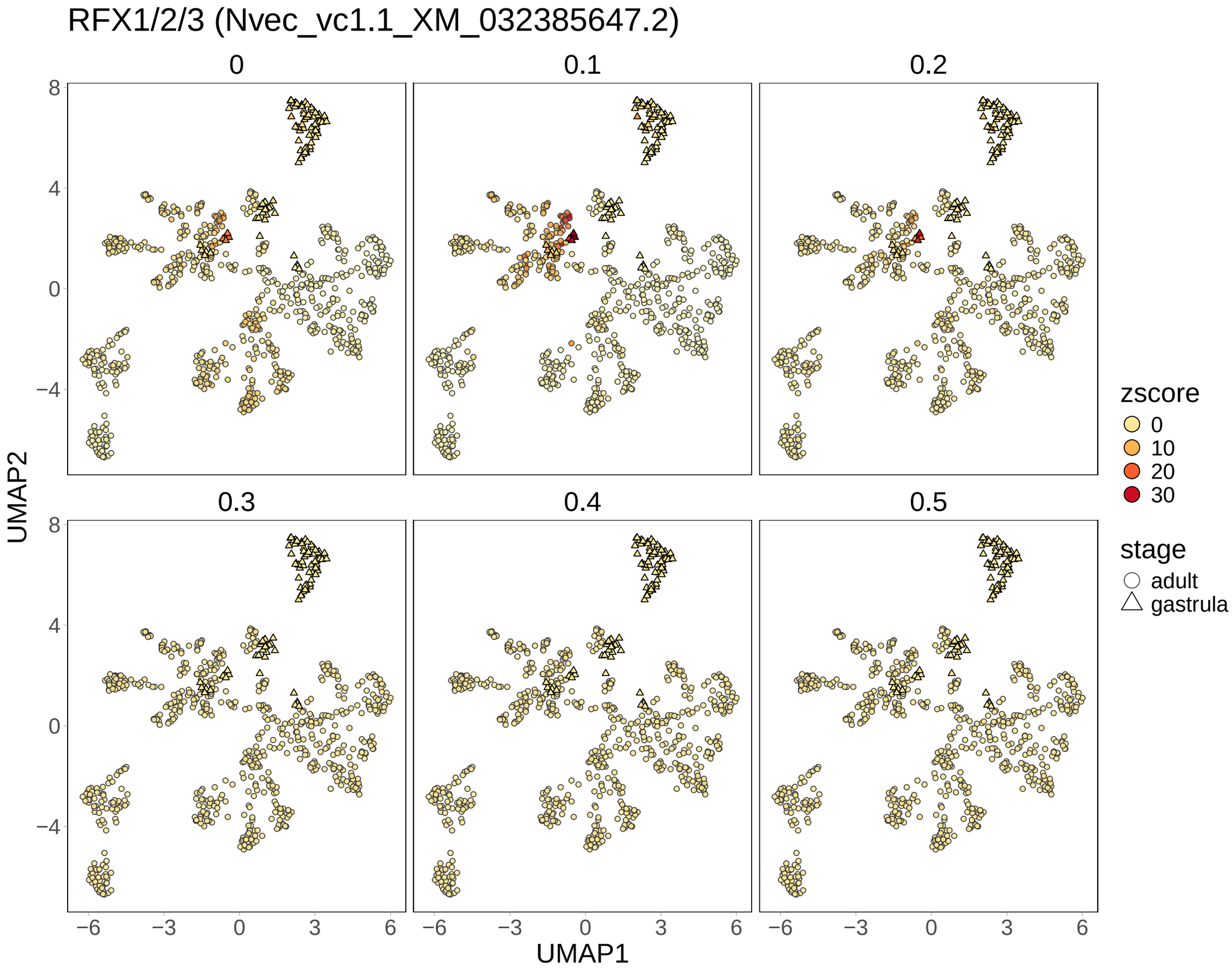

Hhex (Nvec_vc1.1_XM_032364784.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−10
−5
0
5
10
stage
adult
gastrula

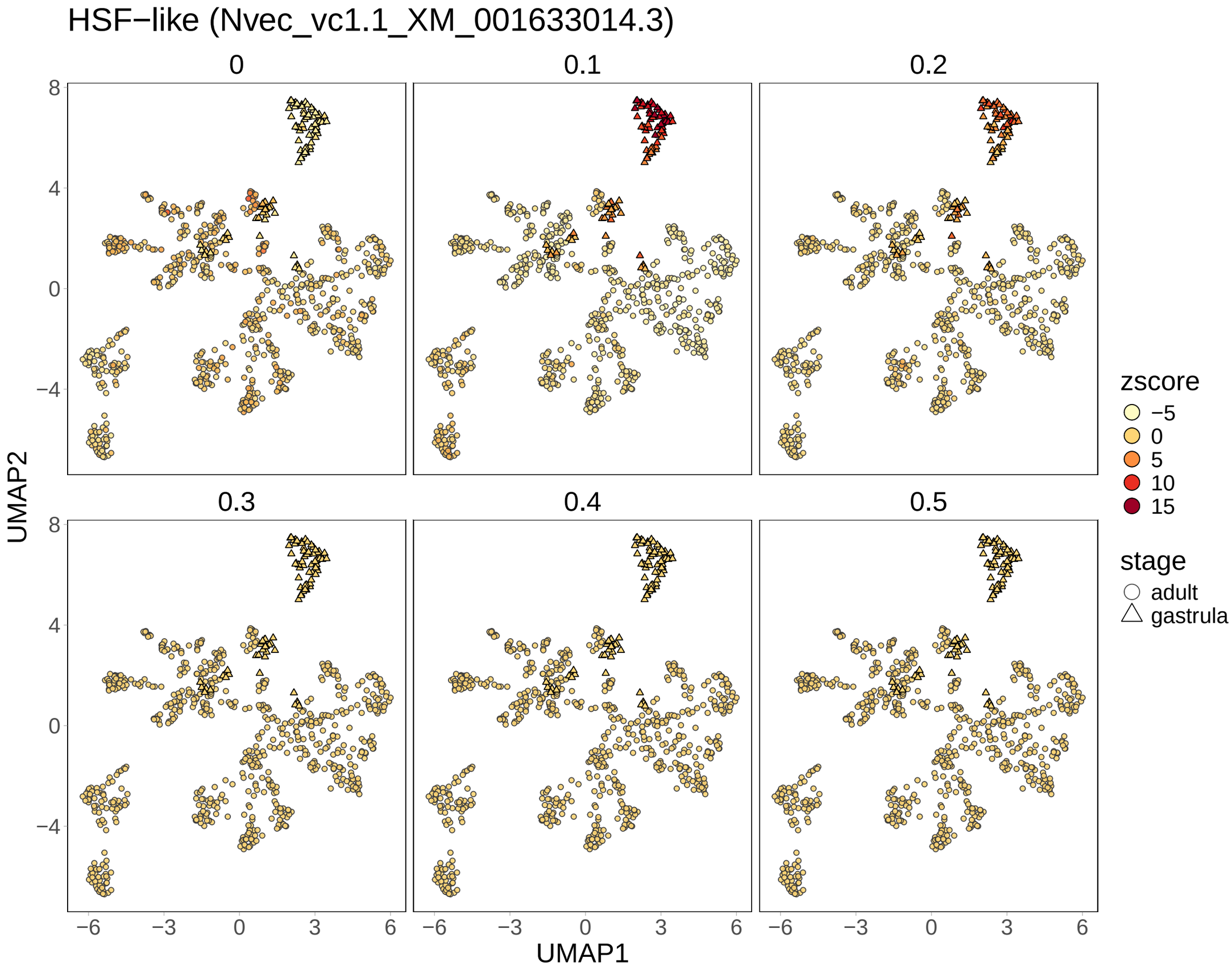

IRF1−2c (Nvec_vc1.1_XM_001622271.3)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
stage
adult
gastrula


HSF−like (Nvec_vc1.1_XM_001633014.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−5
0
5
10
15
stage
adult
gastrula


PTF1a (Nvec_vc1.1_XM_032385496.2)
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
stage
adult
gastrula


Rfx4 (Nvec_vc1.1_XM_032375228.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
30
40
stage
adult
gastrula


RFX1/2/3 (Nvec_vc1.1_XM_032385647.2)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
0
10
20
30
stage
adult
gastrula


HSF−like (Nvec_vc1.1_XM_001633014.3)
0
0.1
0.2
0.3
0.4
0.5
UMAP2
UMAP1
8
4
0
−4
−6
−3
0
3
6
zscore
−5
0
5
10
15
stage
adult
gastrula