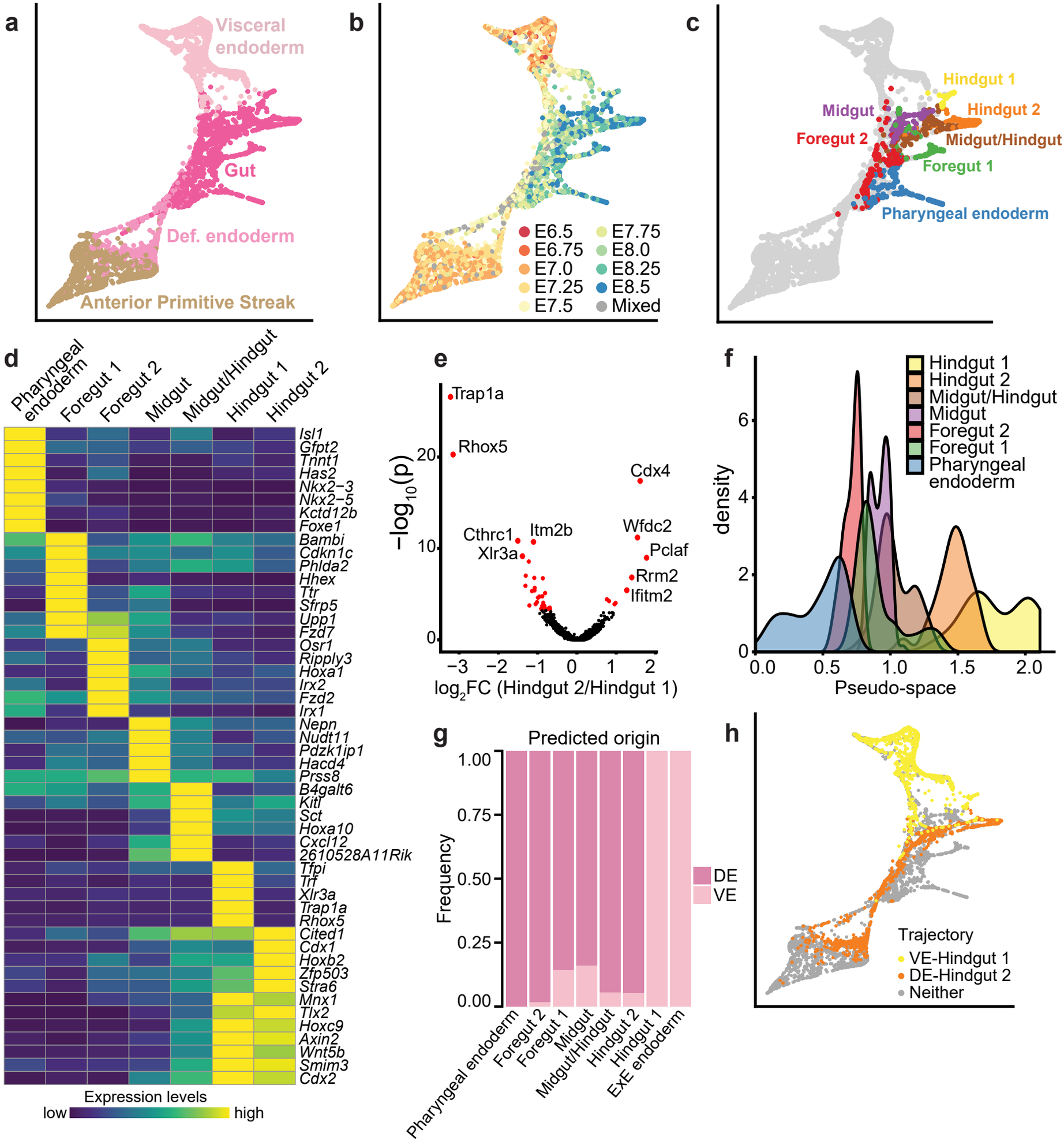
a
Visceral endoderm
Gut
Def. endoderm
Anterior Primitive Streak
b
E6.5
E6.75
E7.0
E7.25
E7.5
E7.75
E8.0
E8.25
E8.5
Mixed
c
Hindgut 1
Hindgut 2
Midgut
Midgut/Hindgut
Foregut 2
Foregut 1
Pharyngeal endoderm
d
Pharyngeal endoderm
Foregut 1
Foregut 2
Midgut
Midgut/Hindgut
Hindgut 1
Hindgut 2
Isl1
Gfpt2
Tnnt1
Has2
Nkx2−3
Nkx2−5
Kctd12b
Foxe1
Bambi
Cdkn1c
Phlda2
Hhex
Ttr
Sfrp5
Upp1
Fzd7
Osr1
Ripply3
Hoxa1
Irx2
Fzd2
Irx1
Nepn
Nudt11
Pdzk1ip1
Hacd4
Prss8
B4galt6
Kitl
Sct
Hoxa10
Cxcl12
2610528A11Rik
Tfpi
Trf
Xlr3a
Trap1a
Rhox5
Cited1
Cdx1
Hoxb2
Zfp503
Stra6
Mnx1
Tlx2
Hoxc9
Axin2
Wnt5b
Smim3
Cdx2
Expression levels
low
high
e
Trap1a
Rhox5
Cdx4
Cthrc1
Itm2b
Xlr3a
Wfdc2
Pclaf
Rrm2
Ifitm2
−log10(p)
log2FC (Hindgut 2/Hindgut 1)
f
Hindgut 1
Hindgut 2
Midgut/Hindgut
Midgut
Foregut 2
Foregut 1
Pharyngeal endoderm
density
Pseudo-space
g
Predicted origin
Frequency
DE
VE
Pharyngeal endoderm
Foregut 2
Foregut 1
Midgut
Midgut/Hindgut
Hindgut 2
Hindgut 1
ExE endoderm
h
Trajectory
VE-Hindgut 1
DE-Hindgut 2
Neither