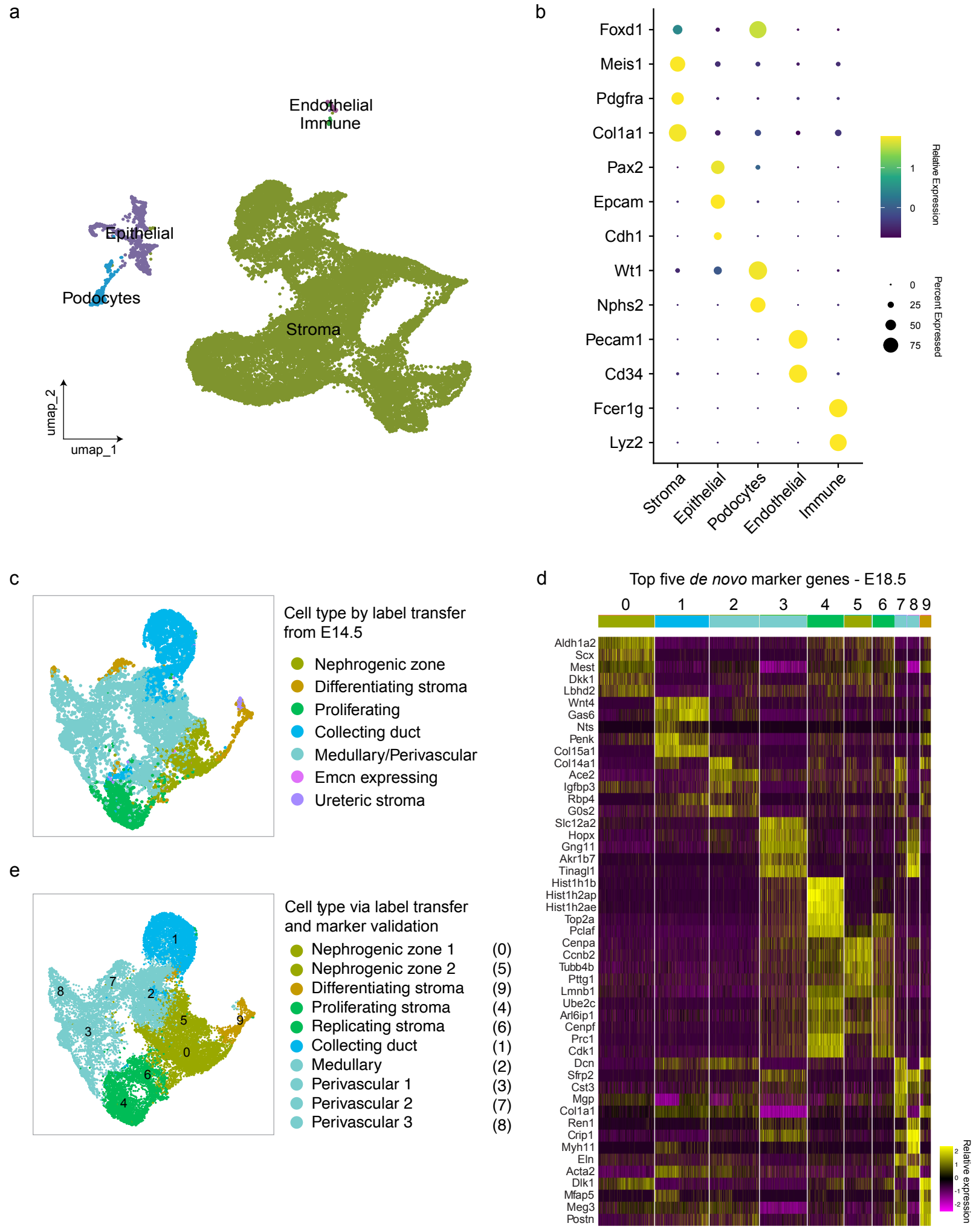
Suppl Fig S8


a
Endothelial
Immune
Epithelial
Podocytes
Stroma
umap_2
umap_1
b
Foxd1
Meis1
Pdgfra
Col1a1
Pax2
Epcam
Cdh1
Wt1
Nphs2
Pecam1
Cd34
Fcer1g
Lyz2
Stroma
Epithelial
Podocytes
Endothelial
Immune
Relative Expression
1
0
Percent Expressed
0
25
50
75
c
Cell type by label transfer from E14.5
Nephrogenic zone
Differentiating stroma
Proliferating
Collecting duct
Medullary/Perivascular
Emcn expressing
Ureteric stroma
d
Top five de novo marker genes - E18.5
0 1 2 3 4 5 6 7 8 9
Aldh1a2
Scx
Mest
Dkk1
Lbhd2
Wnt4
Gas6
Nts
Penk
Col15a1
Col14a1
Ace2
Igfbp3
Rbp4
G0s2
Slc12a2
Hopx
Gng11
Akr1b7
Tinagl1
Hist1h1b
Hist1h2ap
Hist1h2ae
Top2a
Pclaf
Cenpa
Ccnb2
Tubb4b
Pttg1
Lmnb1
Ube2c
Arl6ip1
Cenpf
Prc1
Cdk1
Dcn
Sfrp2
Cst3
Mgp
Col1a1
Ren1
Crip1
Myh11
Eln
Acta2
Dlk1
Mfap5
Meg3
Postn
Relative expression
2
1
0
-1
-2
e
Cell type via label transfer and marker validation
Nephrogenic zone 1 (0)
Nephrogenic zone 2 (5)
Differentiating stroma (9)
Proliferating stroma (4)
Replicating stroma (6)
Collecting duct (1)
Medullary (2)
Perivascular 1 (3)
Perivascular 2 (7)
Perivascular 3 (8)
1
7
8
2
5
9
3
0
6
4