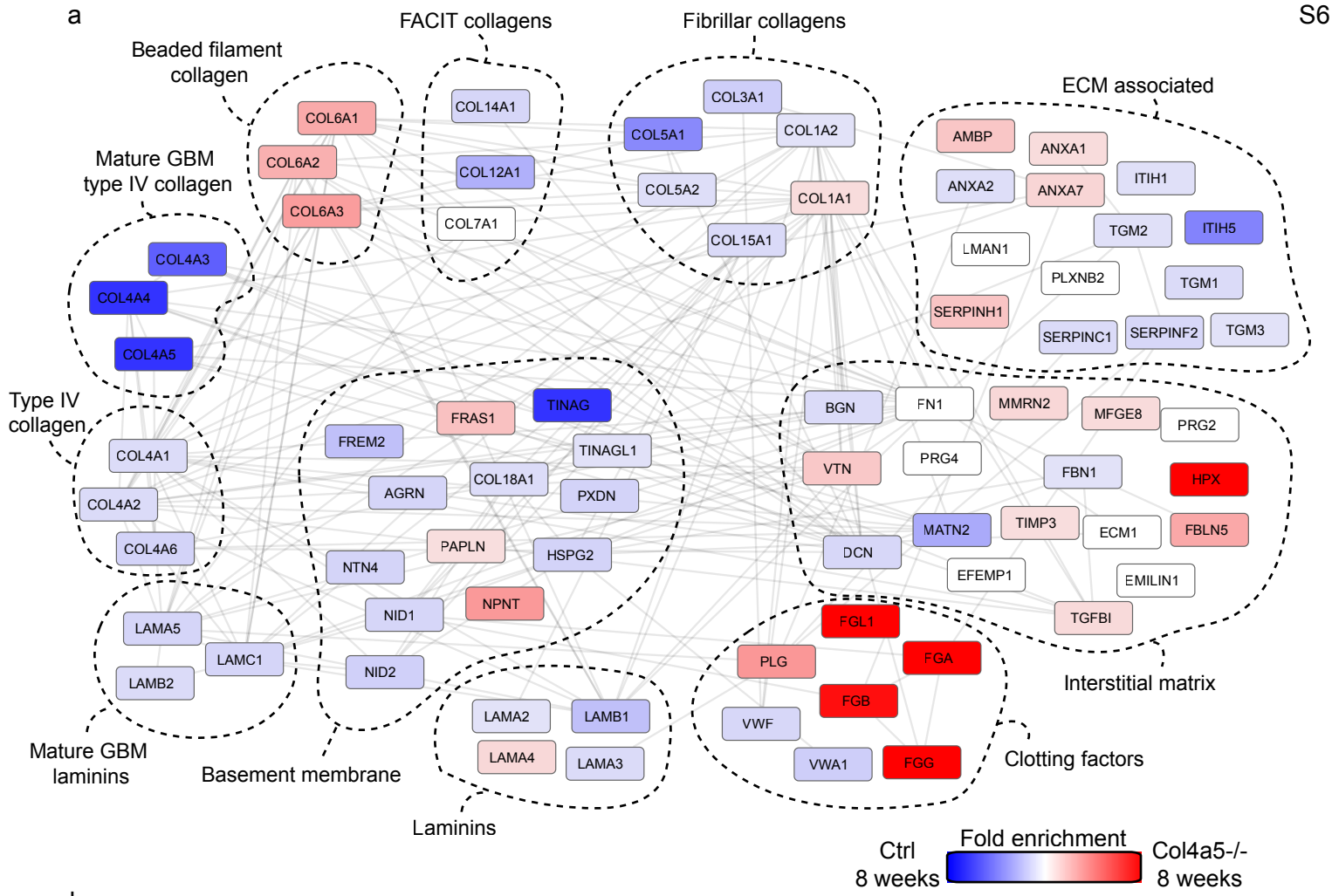
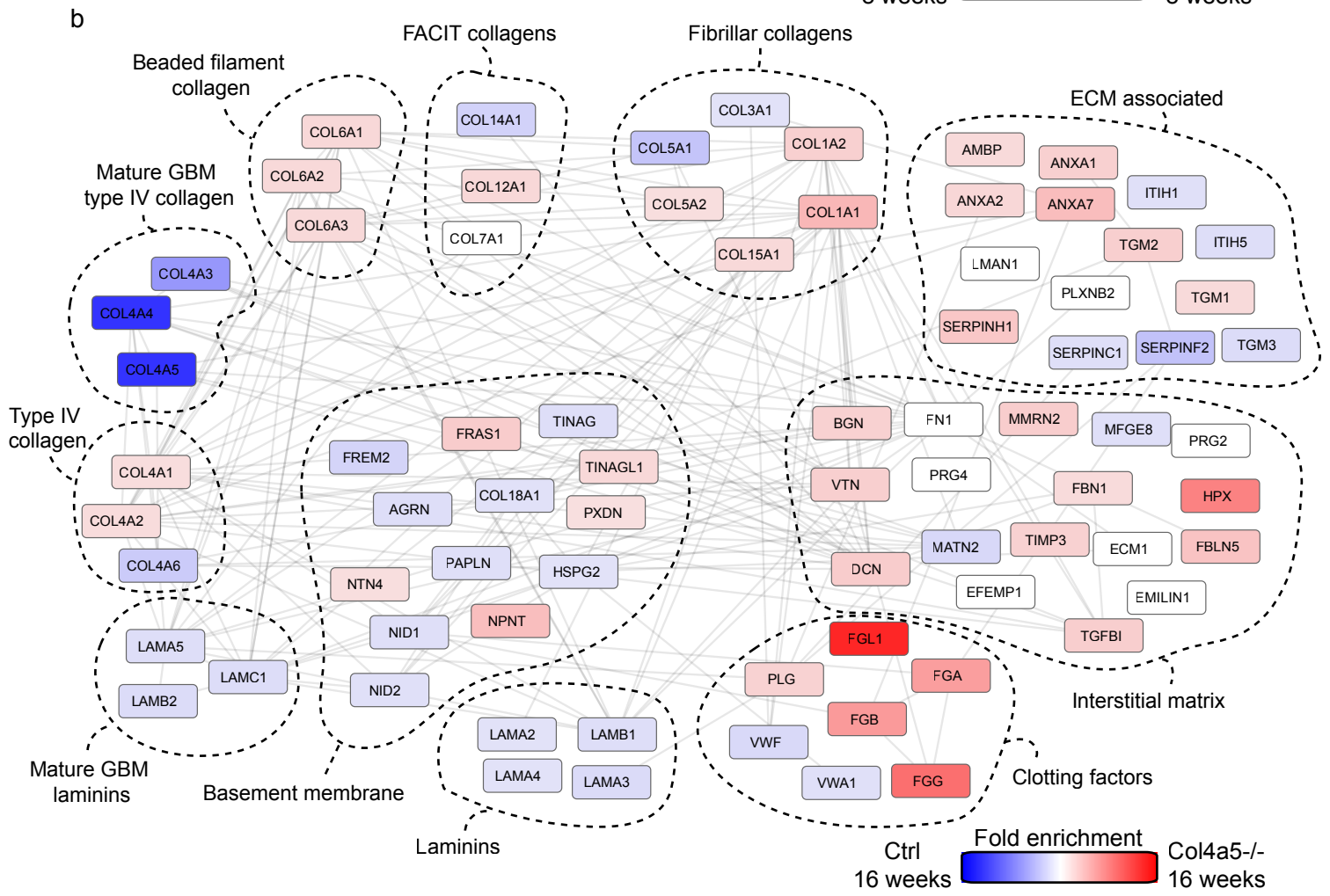

a
Beaded filament collagen
FACIT collagens
Fibrillar collagens
ECM associated
Mature GBM type IV collagen
Type IV collagen
Mature GBM laminins
Basement membrane
Laminins
Interstitial matrix
Clotting factors
COL6A1
COL6A2
COL6A3
COL14A1
COL12A1
COL7A1
COL3A1
COL5A1
COL1A2
COL5A2
COL1A1
COL15A1
AMBP
ANXA1
ANXA2
ANXA7
ITIH1
TGM2
ITIH5
LMAN1
PLXNB2
TGM1
SERPINH1
SERPINC1
SERPINF2
TGM3
COL4A3
COL4A4
COL4A5
COL4A1
COL4A2
COL4A6
FRAS1
TINAG
FREM2
TINAGL1
AGRN
COL18A1
PXDN
PAPLN
HSPG2
NTN4
NPNT
NID1
NID2
LAMA5
LAMC1
LAMB2
LAMA2
LAMB1
LAMA4
LAMA3
BGN
FN1
MMRN2
MFGE8
PRG2
VTN
PRG4
FBN1
HPX
MATN2
TIMP3
ECM1
FBLN5
DCN
EFEMP1
EMILIN1
TGFBI
FGL1
PLG
FGA
FGB
VWF
VWA1
FGG
Ctrl
8 weeks
Fold enrichment
Col4a5-/-
8 weeks


b
Beaded filament collagen
FACIT collagens
Fibrillar collagens
ECM associated
Mature GBM type IV collagen
Type IV collagen
Mature GBM laminins
Basement membrane
Laminins
Interstitial matrix
Clotting factors
COL6A1
COL6A2
COL6A3
COL14A1
COL12A1
COL7A1
COL3A1
COL5A1
COL1A2
COL5A2
COL1A1
COL15A1
AMBP
ANXA1
ANXA2
ANXA7
ITIH1
TGM2
ITIH5
LMAN1
PLXNB2
TGM1
SERPINH1
SERPINC1
SERPINF2
TGM3
COL4A3
COL4A4
COL4A5
COL4A1
COL4A2
COL4A6
FRAS1
TINAG
FREM2
TINAGL1
AGRN
COL18A1
PXDN
PAPLN
HSPG2
NTN4
NPNT
NID1
NID2
LAMA5
LAMC1
LAMB2
LAMA2
LAMB1
LAMA4
LAMA3
BGN
FN1
MMRN2
MFGE8
PRG2
VTN
PRG4
FBN1
HPX
MATN2
TIMP3
ECM1
FBLN5
DCN
EFEMP1
EMILIN1
TGFBI
FGL1
PLG
FGA
FGB
VWF
VWA1
FGG
Ctrl
16 weeks
Fold enrichment
Col4a5-/-
16 weeks