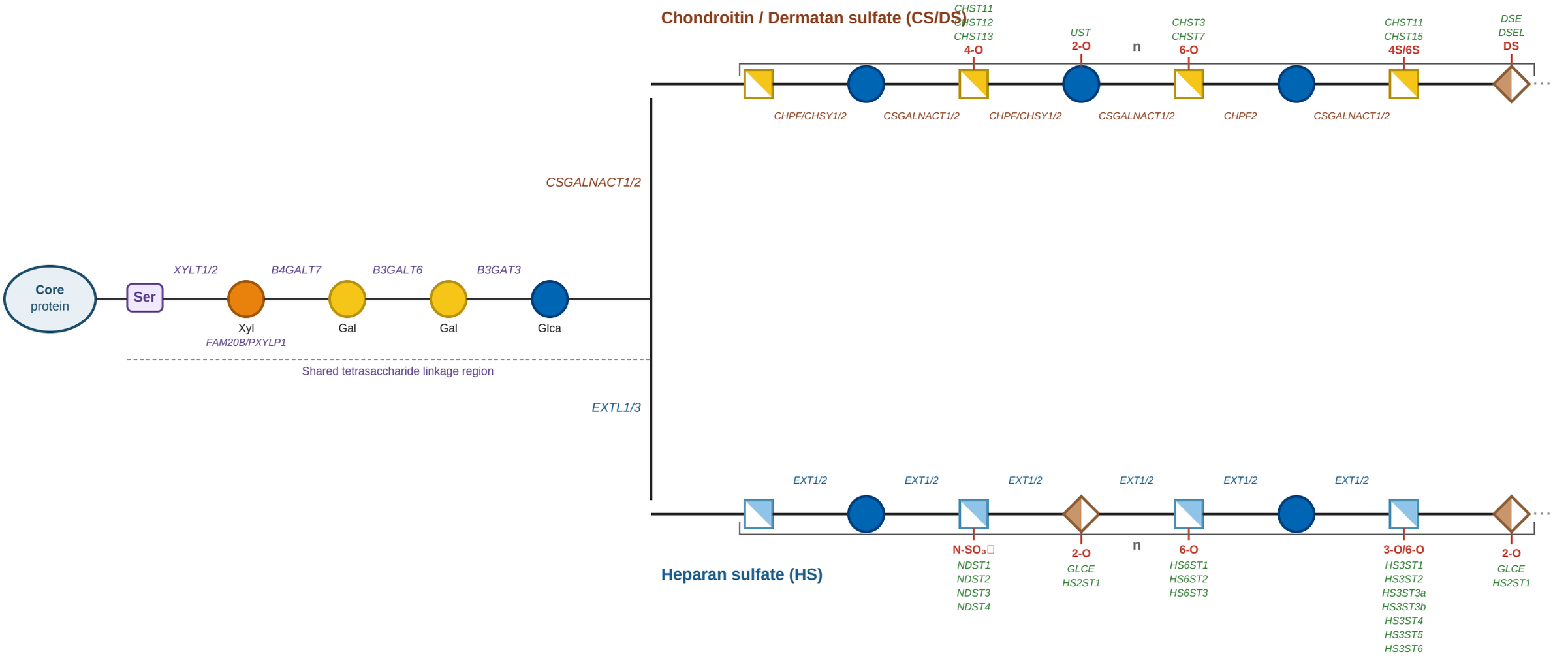

Chondroitin / Dermatan sulfate (CS/DS)
CHST11
CHST12
CHST13
4-O
UST
2-O
n
CHST3
CHST7
6-O
CHST11
CHST15
4S/6S
DSE
DSEL
DS
CHPF/CHSY1/2
CSGALNACT1/2
CHPF/CHSY1/2
CSGALNACT1/2
CHPF2
CSGALNACT1/2
CSGALNACT1/2
Core protein
Ser
XYLT1/2
B4GALT7
B3GALT6
B3GAT3
Xyl
Gal
Gal
Glca
FAM20B/PXYLP1
Shared tetrasaccharide linkage region
EXTL1/3
EXT1/2
EXT1/2
EXT1/2
EXT1/2
EXT1/2
EXT1/2
N-SO₃□
NDST1
NDST2
NDST3
NDST4
2-O
GLCE
HS2ST1
n
6-O
HS6ST1
HS6ST2
HS6ST3
3-O/6-O
HS3ST1
HS3ST2
HS3ST3a
HS3ST3b
HS3ST4
HS3ST5
HS3ST6
2-O
GLCE
HS2ST1
Heparan sulfate (HS)
SO₃□
SO₃□
IdoA
GlcA
GlcNAc/GlcNS
GalNAc
Gal
Xyl