

cytosol

nucleoplasm

XBP1(S)

CTDSP2

CXXC1

DDX11

HDGF

LMNA

TATDN2

TSPYL2

ZBTB17

GAP

SHC1

GFPT1

DCTN1

PLA2G4B

KLHDC3

PPP2R5B

Talin-1

Cullin-7

Adducin alpha

SULT1A3 monomer

Glycogen synthase kinase-3 alpha

Acyl-CoA dehydrogenase,  
very-long-chain specific,  
mitochondrial precursor

ATP6V0D1

endoplasmic reticulum membrane

DNAJB9

EDEM

EXTL3

FKBP14

KDEL3

PDIA5

PDIA6

SRP Receptor  
subunit alpha

SRP Receptor  
subunit beta

Protein transport  
protein Sec31A

Sec12

WFS1

SYVN1

YIF1A

Trap alpha

SERP1

p58IPK

HYOU1

DNAJB11

C19orf10

endoplasmic reticulum  
lumen

lysosomal lumen

TPP1

Golgi lumen

GOSR2

WIPI1

mitochondrial matrix

endosome