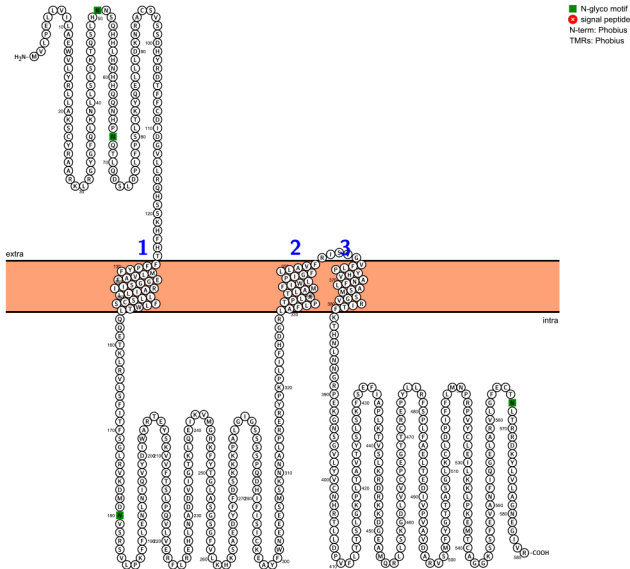


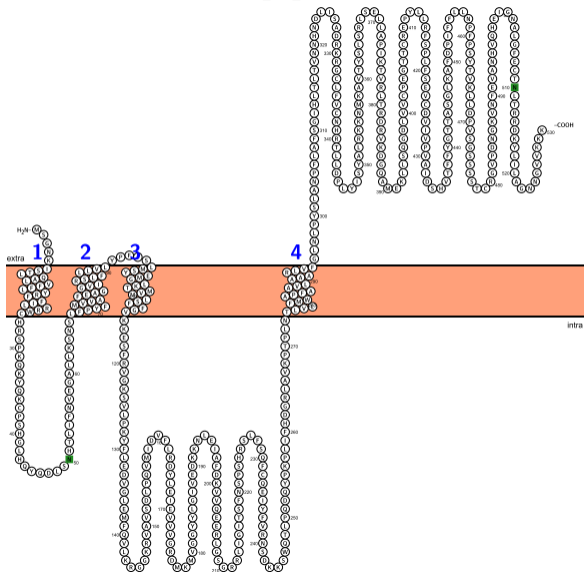
# Supplementary Material to "Genome-wide analysis of the Glycerol-3-Phosphate Acyltransferase (GPAT) gene family reveals the evolution and diversification of plant GPATs"

GPAT1\_Ath\_AT1G06520



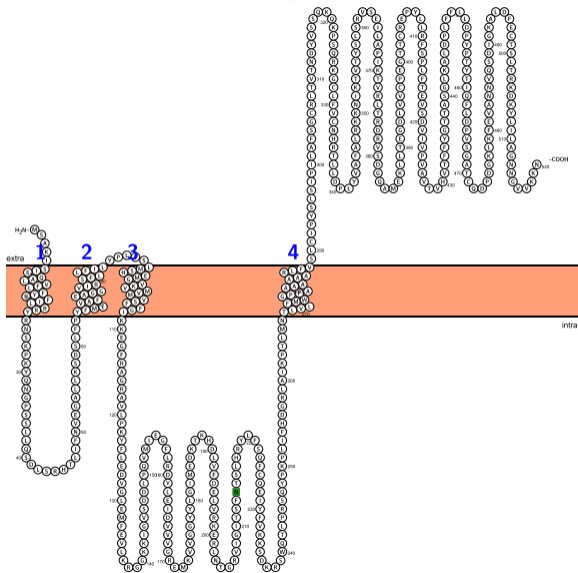
# GPAT2\_Ath\_AT1G02390

- N-glyco motif
- signal peptide
- N-term: Phobius
- TMRs: Phobius



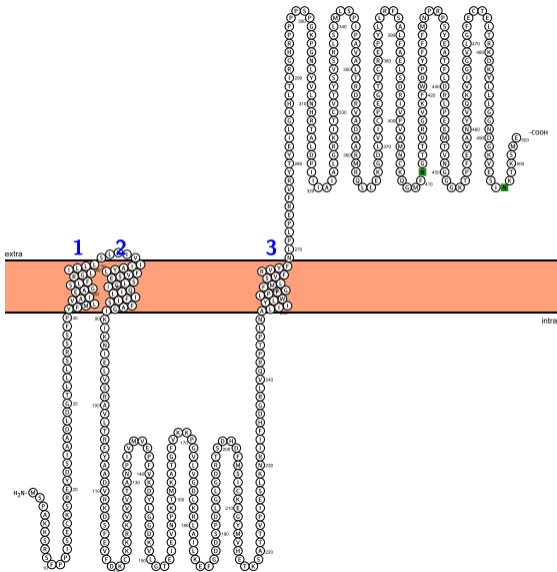
# GPAT3\_Ath\_AT4G01950

- N-glyco motif
- signal peptide
- N-term: Phobius
- TMRs: Phobius

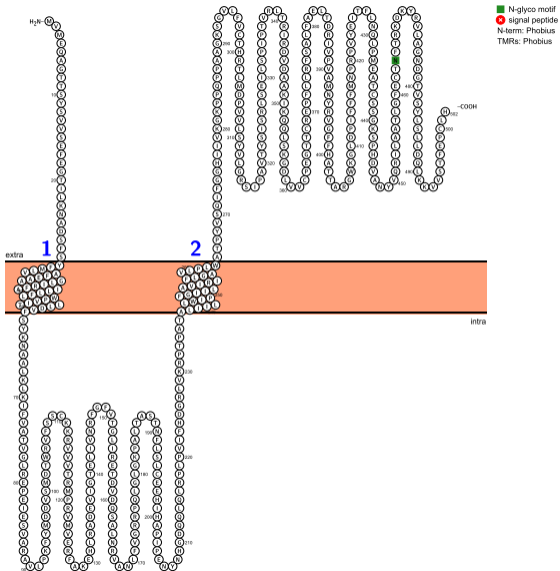


# GPAT4\_Ath\_AT1G01610

- N-glyco motif
- signal peptide
- N-term: Phobius
- TMRs: Phobius

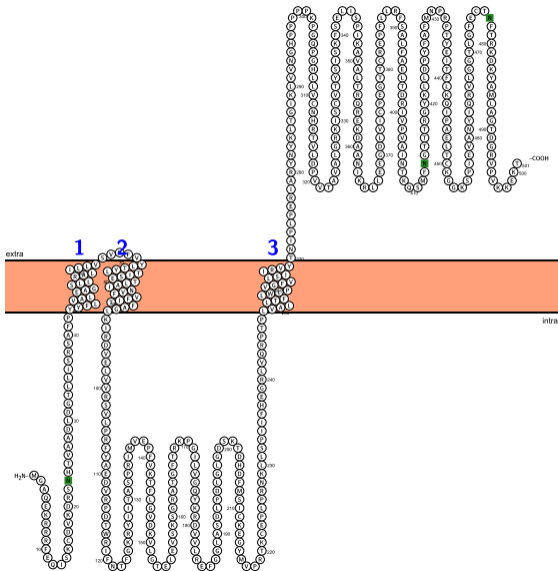


# GPAT5\_Ath\_AT3G11430

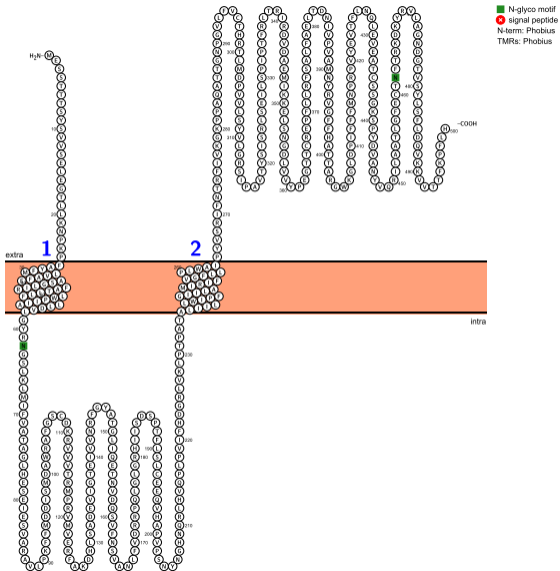


GPA<sub>t6</sub>\_Ath\_AT2G38110

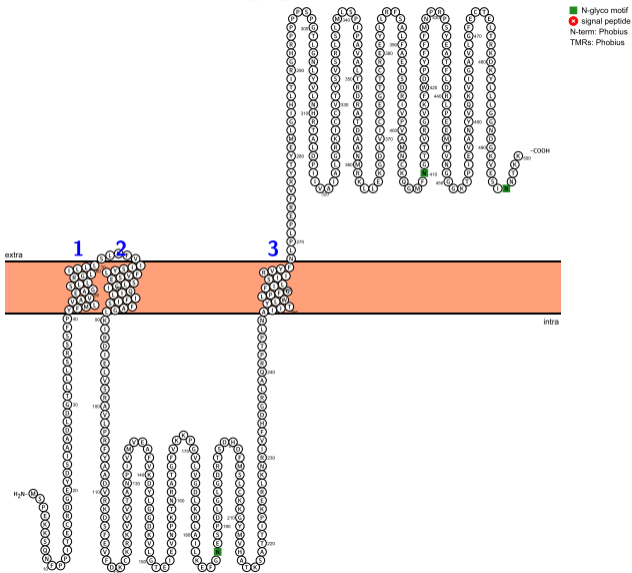
- N-glyco motif
- signal peptide
- N-term: Phobius
- TMRs: Phobius



# GPAT7\_Ath\_AT5G06090



# GPAT8\_Ath\_AT4G00400

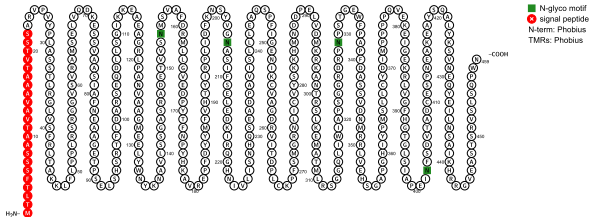








## Ath\_AT1G32200

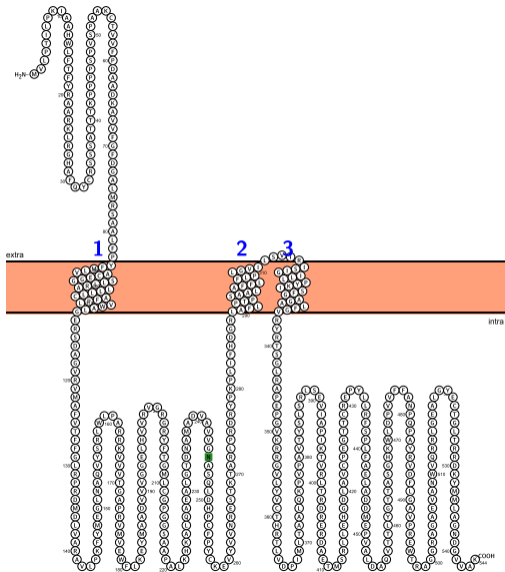


extra

intra

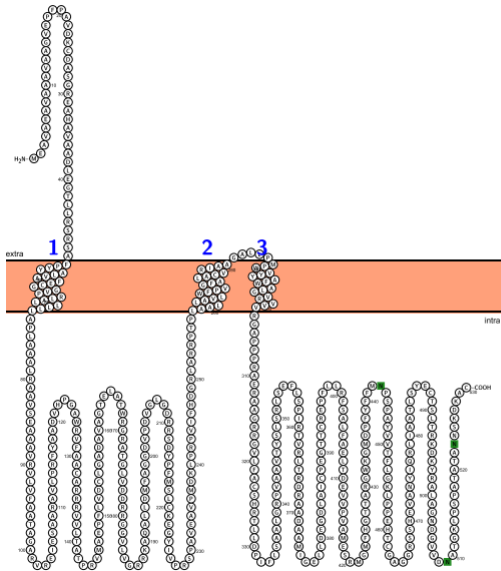
# Osa\_LOC\_Os01g44069

- N-glyco motif
- + signal peptide
- N-term: Phobius
- TMRs: Phobius



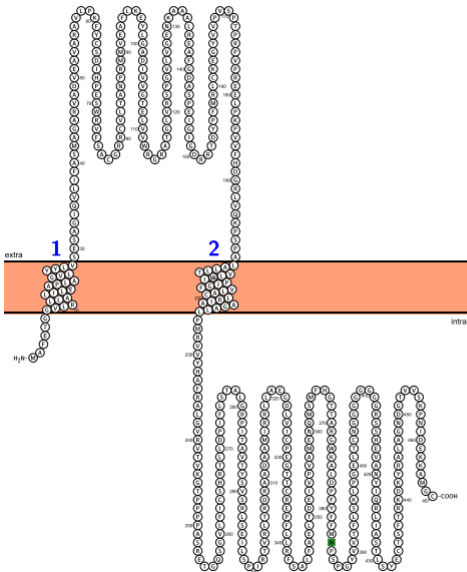
## Osa\_LOC\_Os10g27330

■ N-glyco motif  
+ signal peptide  
 N-term: Phobius  
 TMRs: Phobius



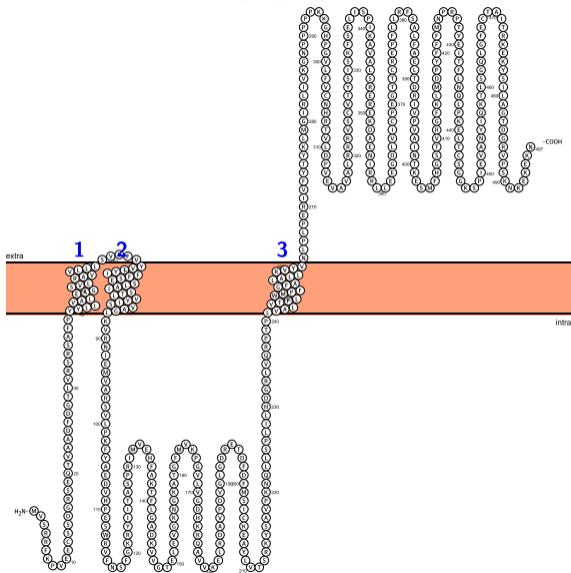
# Osa\_LOC\_Os03g52570

- N-glyco motif
- + signal peptide
- N-term: Phobius
- TMRs: Phobius

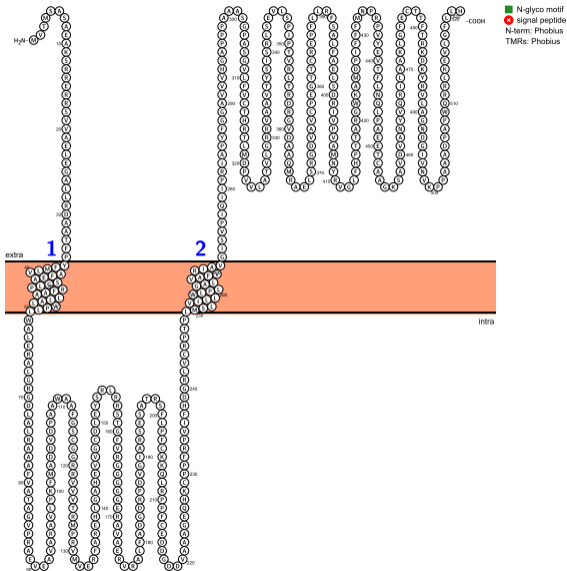


# Osa\_LOC\_Os01g63580

- N-glyco motif
- signal peptide
- N-term: Phobius
- TMRs: Phobius

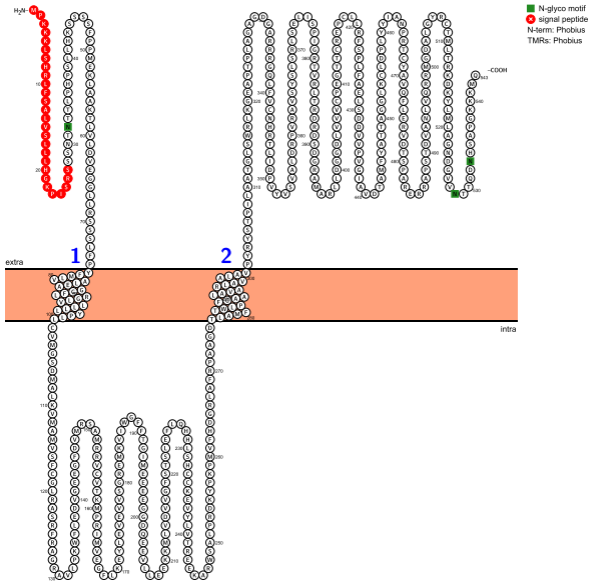


# Osa\_LOC\_Os05g38350



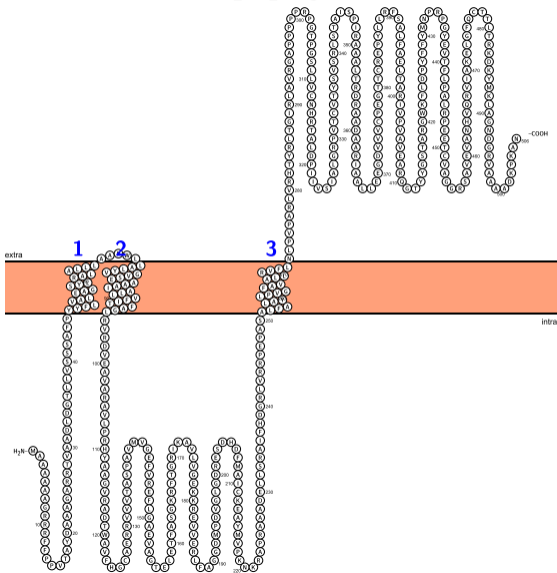


# Osa\_LOC\_Os11g45400



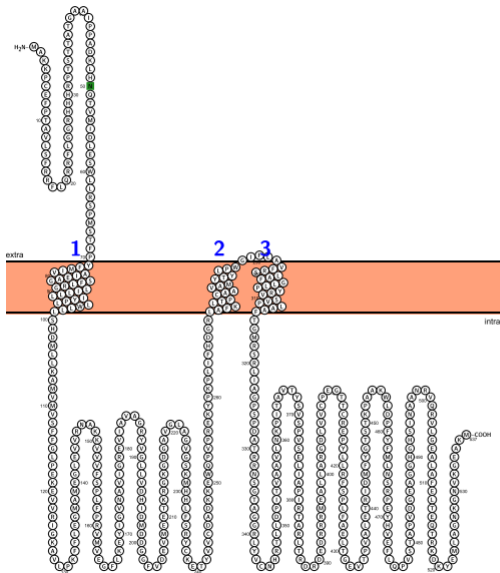
# Osa\_LOC\_Os02g02340

- N-glyco motif
- signal peptide
- N-term: Phobius
- TMRs: Phobius

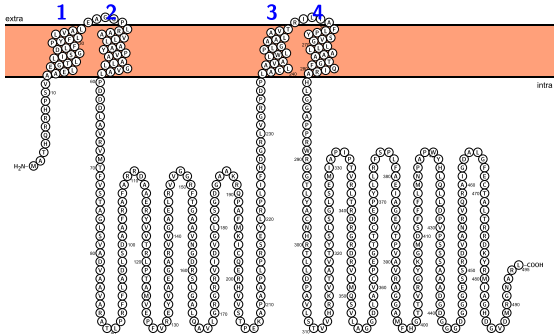


## Osa\_LOC\_Os05g20100

■ N-glyco motif  
● signal peptide  
 N-term: Phobius  
 TMRs: Phobius

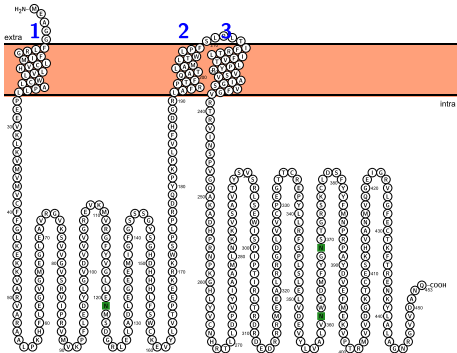


## Osa\_LOC\_Os08g03700



- N-glyco motif
- ✖ signal peptide
- N-term: Phobius
- TMRs: Phobius

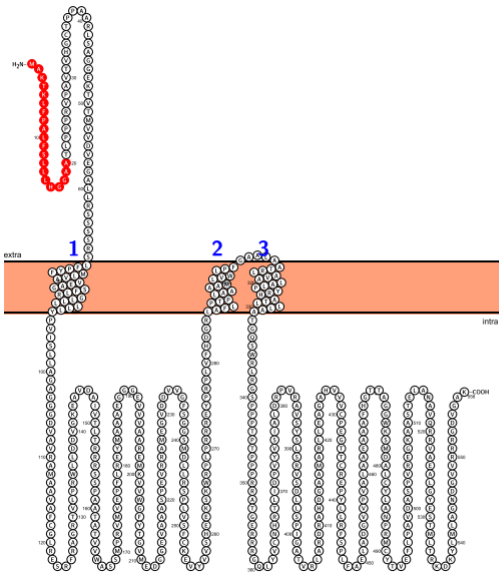
# Osa\_LOC\_Os01g19390



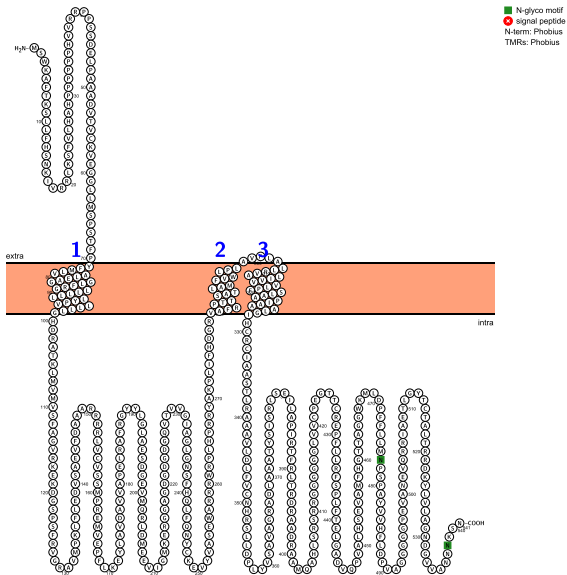
- N-glyco motif
- ✕ signal peptide
- N-term: Phobius
- TMRs: Phobius

# Osa\_LOC\_Os12g37600

■ N-glyco motif  
⊕ signal peptide  
 N-term: Phobius  
 TMRs: Phobius

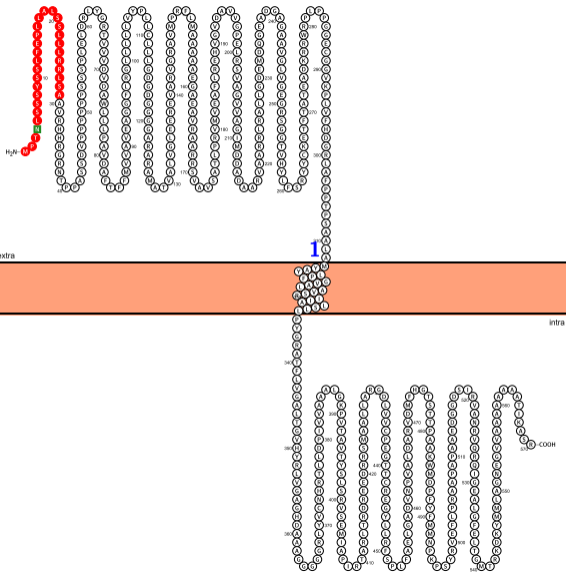


# Osa\_LOC\_Os03g61720



# Osa\_LOC\_Os01g14900

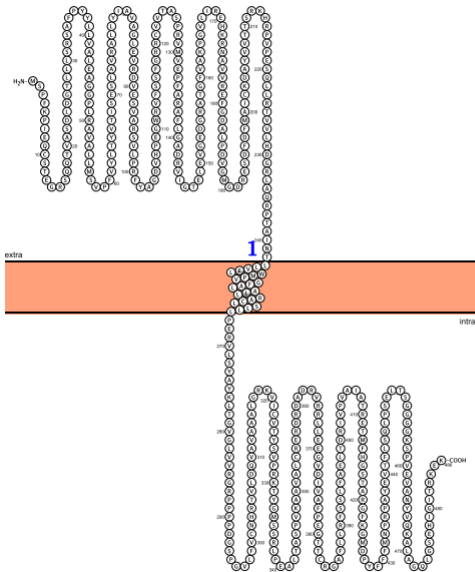
- N-glyco motif
- signal peptide
- N-term: Phobius
- TMRs: Phobius



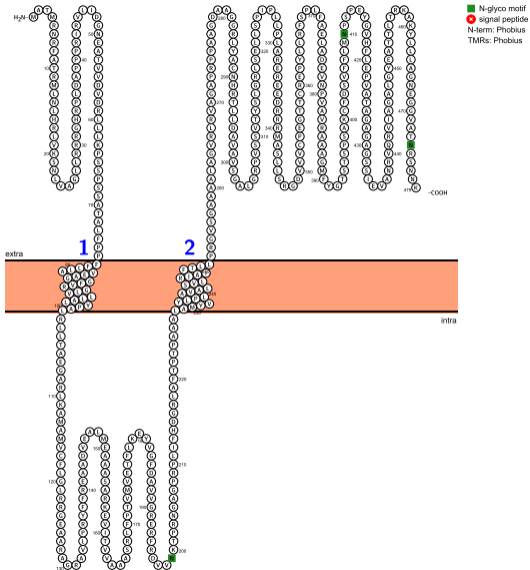


## Osa\_LOC\_Os05g37600

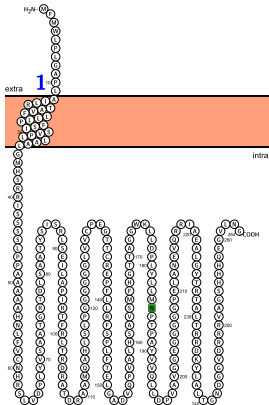
■ N-glyco motif  
● signal peptide  
 N-term: Phobius  
 TMRs: Phobius



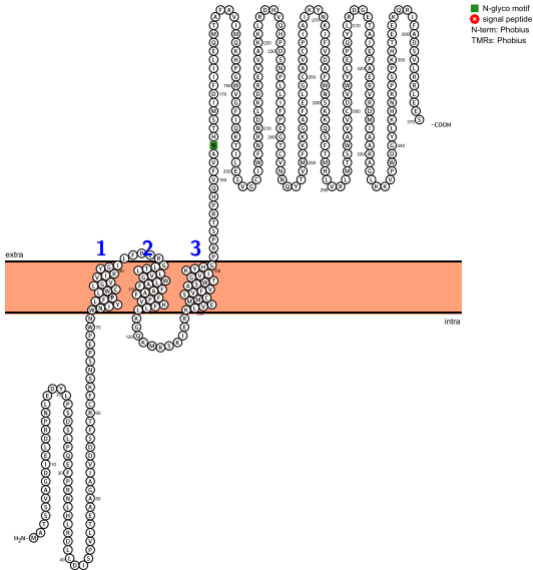
# Osa\_LOC\_Os10g41070



# Osa\_LOC\_Os01g22560



# Osa\_LOC\_Os07g34730



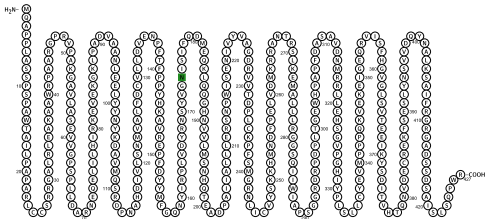
# Osa\_LOC\_Os10g42720

extra

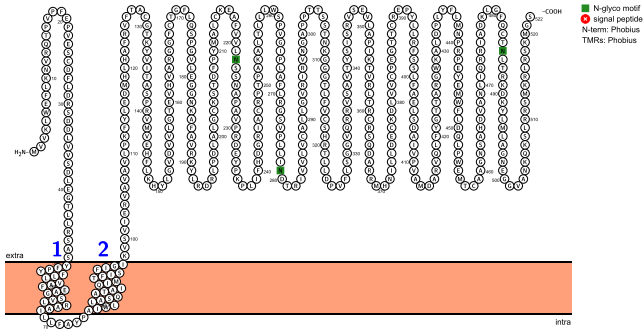


intra

- N-glyco motif
- ⊗ signal peptide
- N-term: Phobius
- TMRs: Phobius

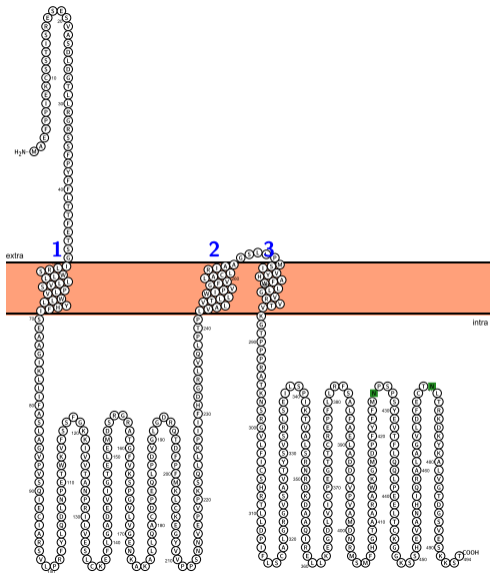


# Smo\_80075

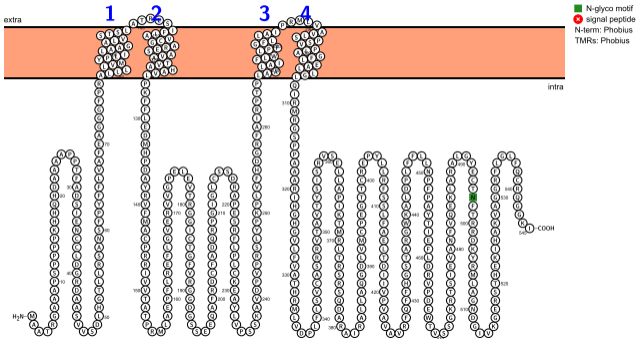


## Smo\_118155

■ N-glyco motif  
+ signal peptide  
 N-term: Phobius  
 TMRs: Phobius

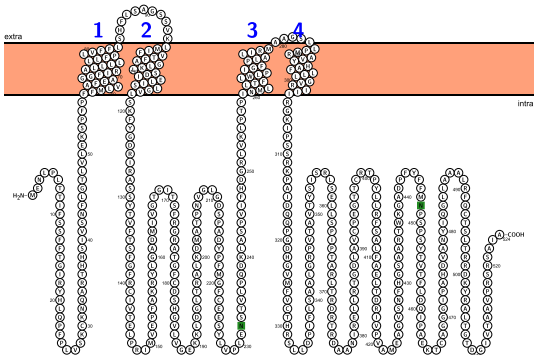


## Smo\_90219





## Smo\_405228



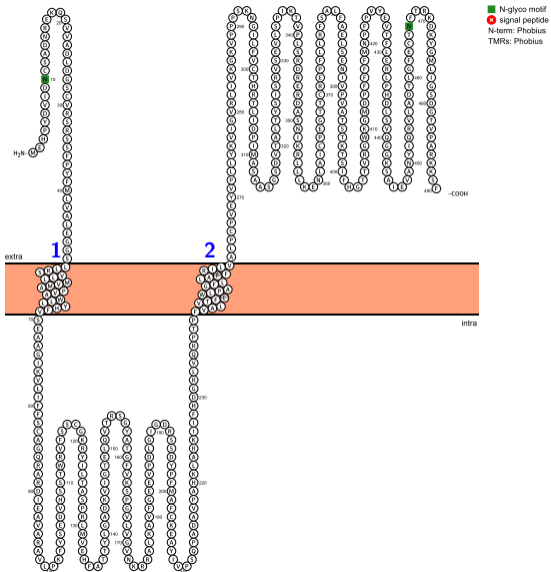
■ N-glyco motif

● signal peptide

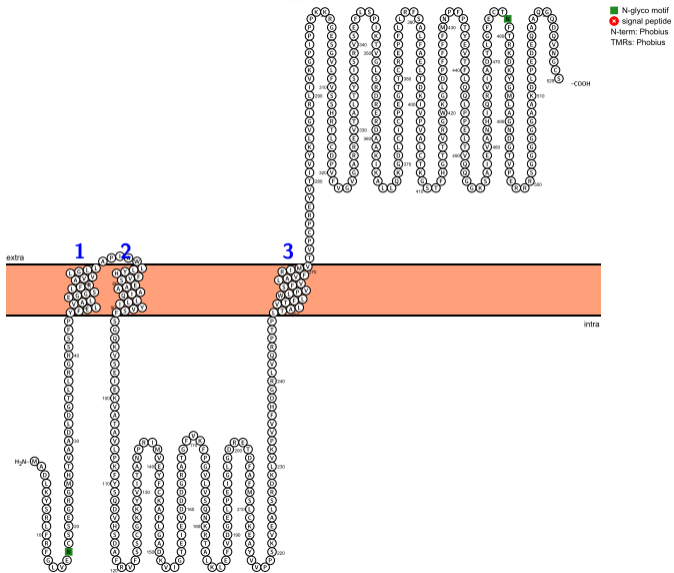
N-term: Phobius

TMRs: Phobius

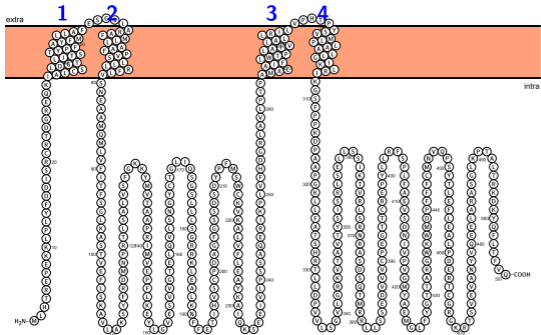
# Smo\_80614



## Smo\_170163



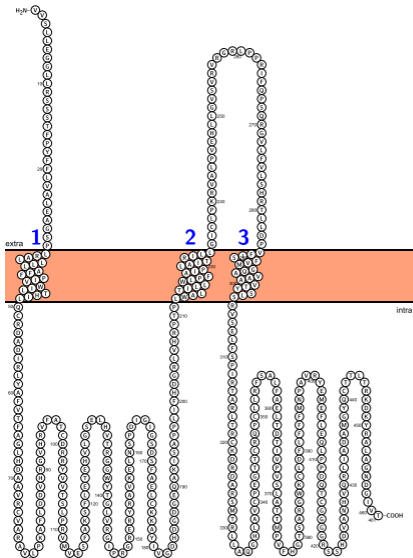
## Smo\_164779



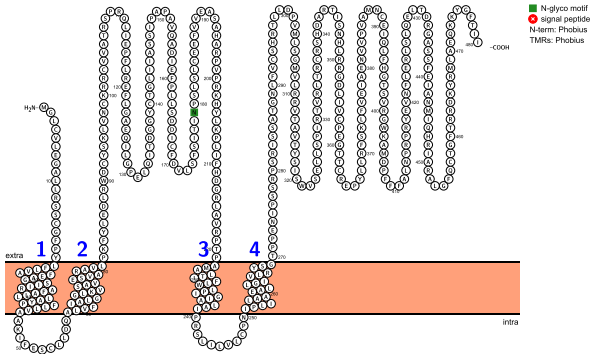
- N-glyco motif
- ✕ signal peptide
- N-term: Phobius
- TMRs: Phobius

# Smo\_63752

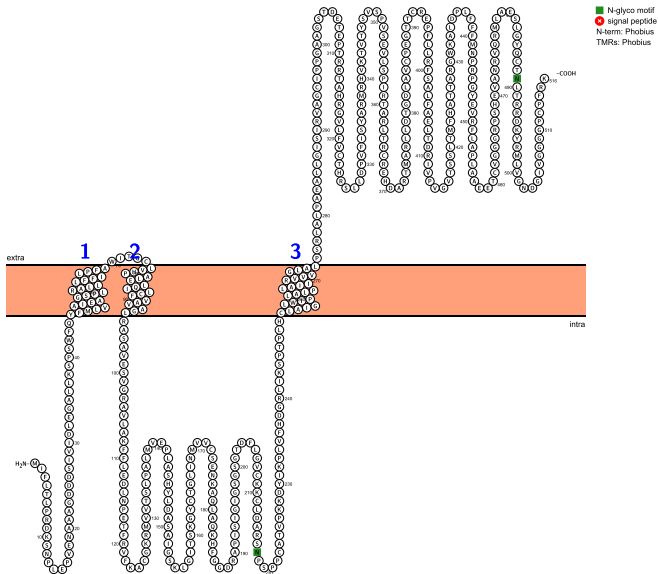
- N-glyco motif
- ✖ signal peptide
- N-term: Phobius
- TMRs: Phobius



## Smo\_233008

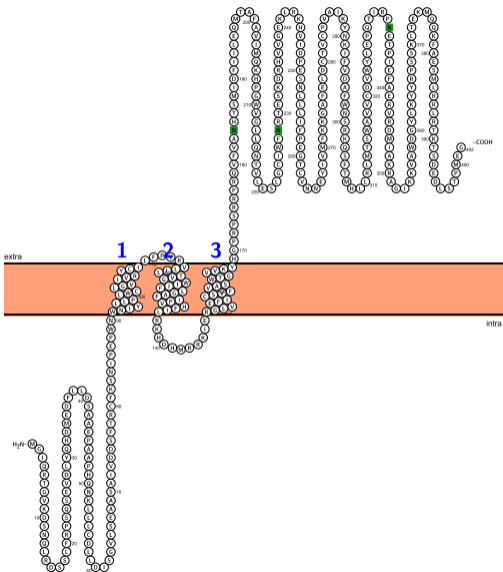


## Smo\_405007



# Smo\_152980

- N-glyco motif
- + signal peptide
- N-term: Phobius
- TMRs: Phobius





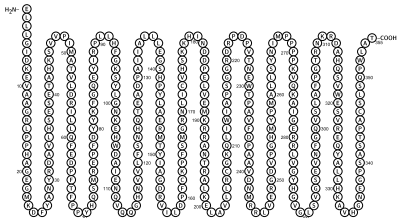
## Smo\_132845

■ N-glyco motif  
✖ signal peptide  
 N-term: Phobius  
 TMRs: Phobius

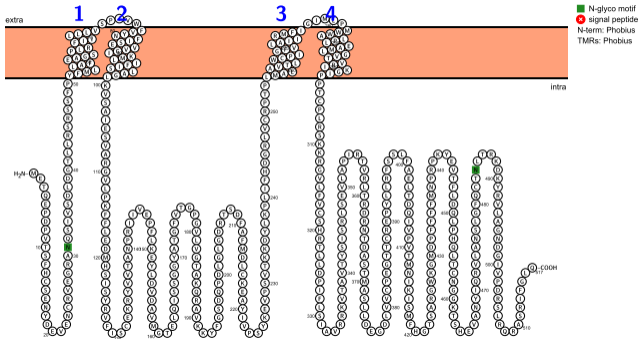
extra



intra

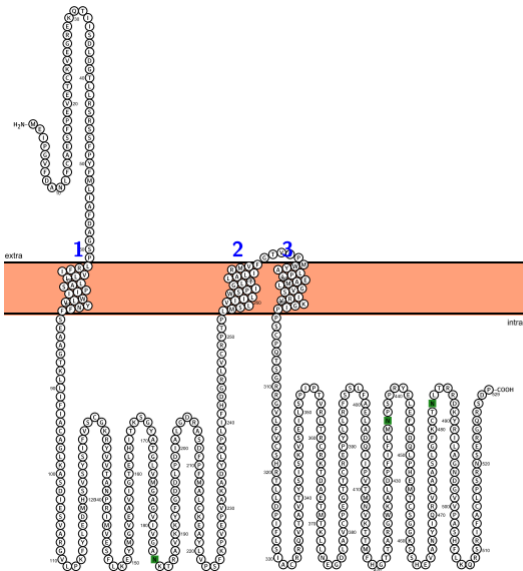


## Ppa\_Pp3c6\_29200

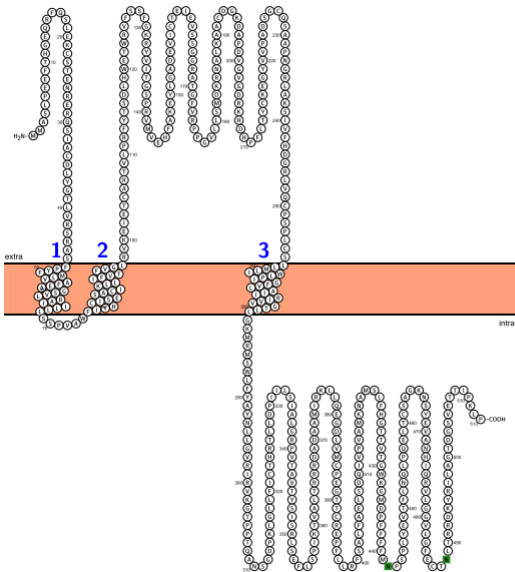


# Ppa\_Pp3c2\_18040

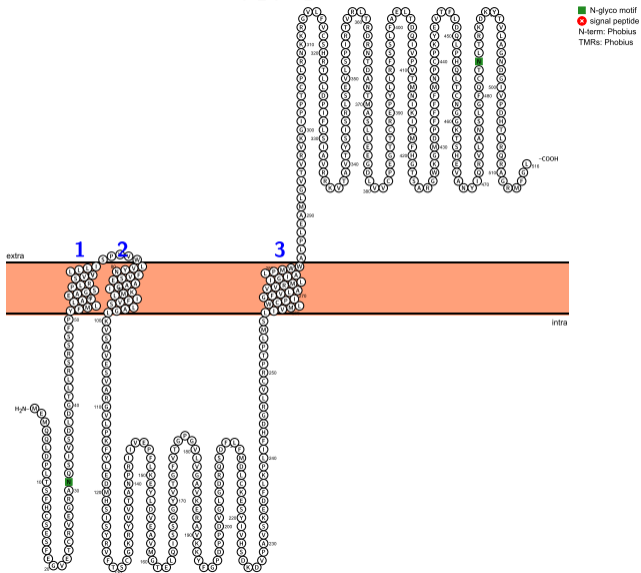
- N-glyco motif
- signal peptide
- N-term: Phobius
- TMRs: Phobius



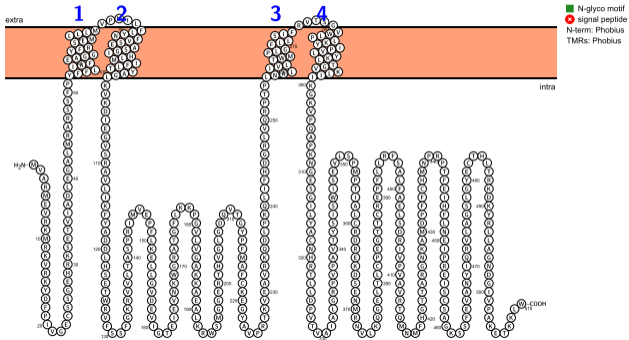
# Ppa\_Pp3c7\_7840



# Ppa\_Pp3c5\_1510

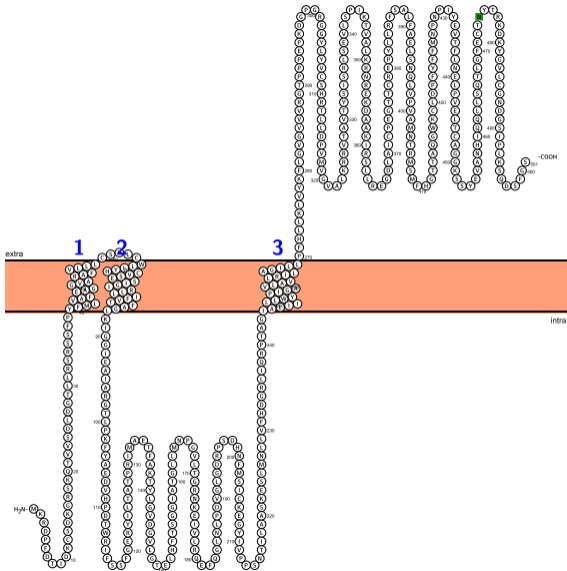


## Ppa\_Pp3c20\_9340



# Ppa\_Pp3c6\_29290

- N-glyco motif
- ⊕ signal peptide
- N-term: Phobius
- TMRs: Phobius

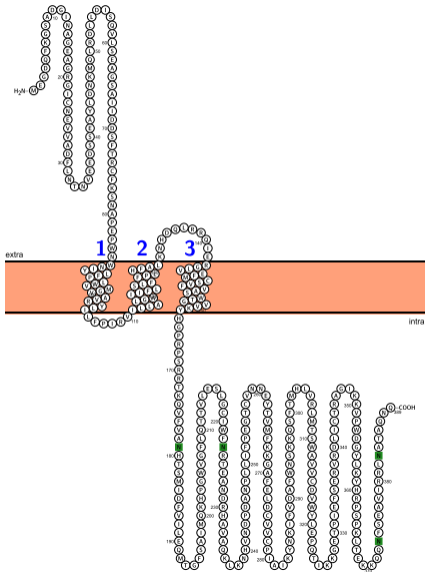






# Ppa\_Pp3c11\_26030

- N-glyco motif
- signal peptide
- N-term: Phobius
- TMRs: Phobius





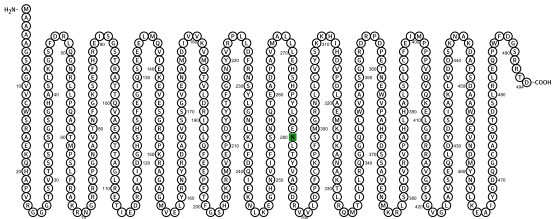
## Ppa\_Pp3c7\_2970

extra



intra

- N-glyco motif
- ✖ signal peptide
- N-term: Phobius
- TMRs: Phobius



# Vca\_Vocar\_0002s0353

