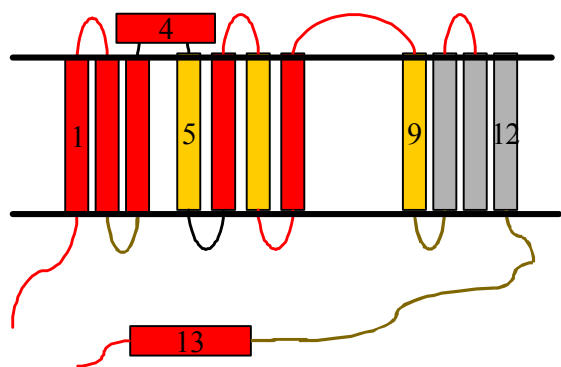


A Chloride Channel (ClC)

plant(*AtClC-a*) VS animal

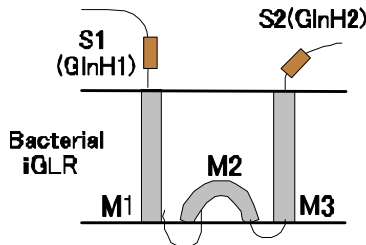
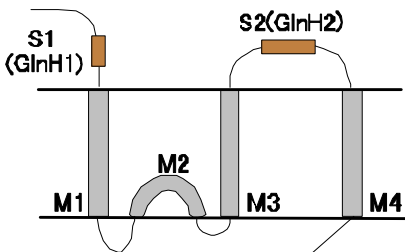
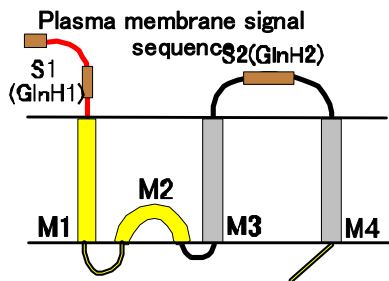


B Glutamate-gated Ion Channel (GIC)

plant vs animal

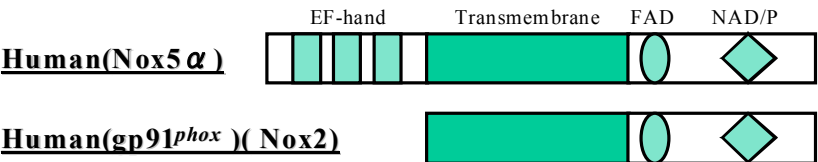
Animal (iGluRs) model

Bacteria (iGLR) model

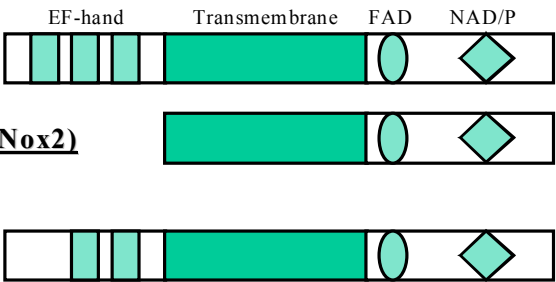


C gp91phox Phagocyte NADPH Oxidase-associated Cytochrome b558 (CytB) H<sup>+</sup>-channel (CytB)

animal

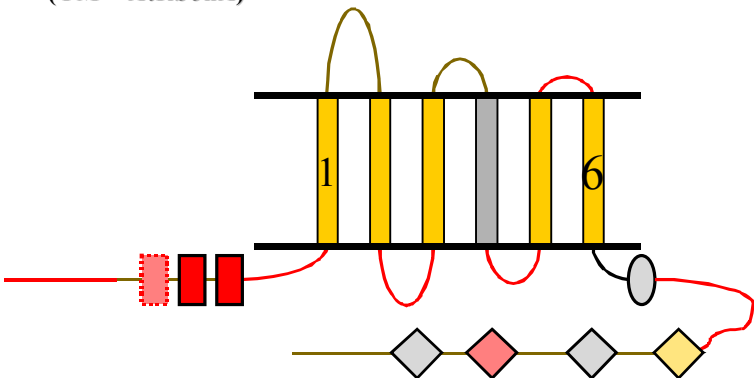


plant

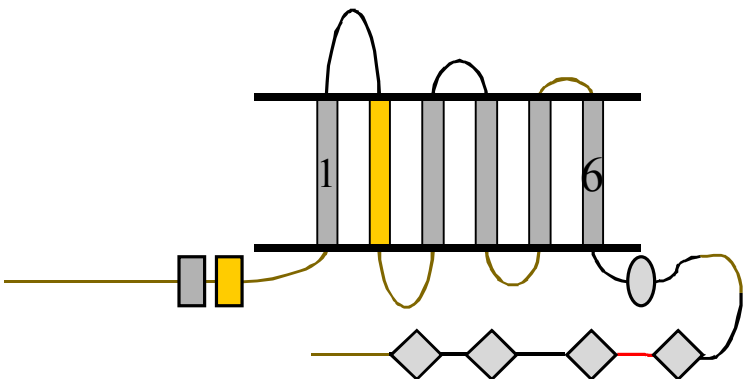


animal vs plant

(EF-hand – human(*NOX5*))  
(TM – *AtRbohA*)



Arabidopsis VS Oryza



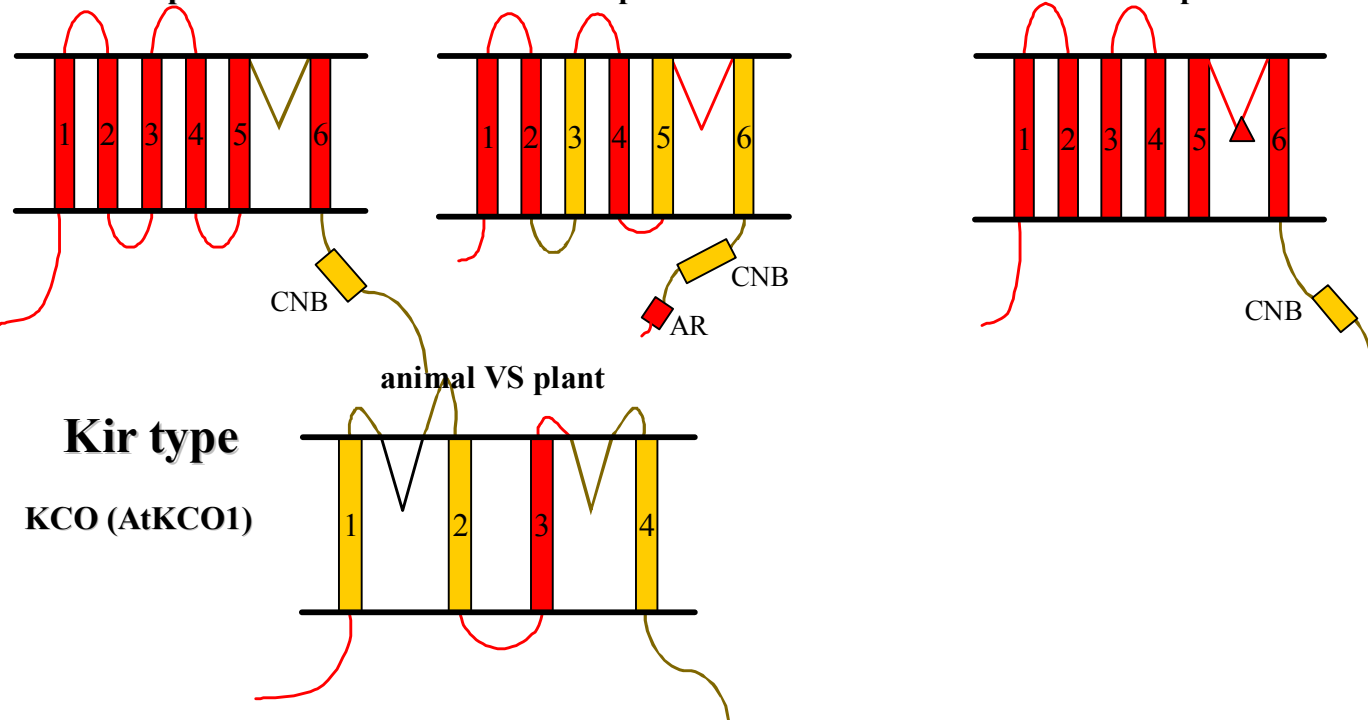
### Shaker type

**KAT**  
**(AtKAT1)**

**SKOR GORK**  
**(AtSKOR)**

## animal VS plant

## animal VS plant

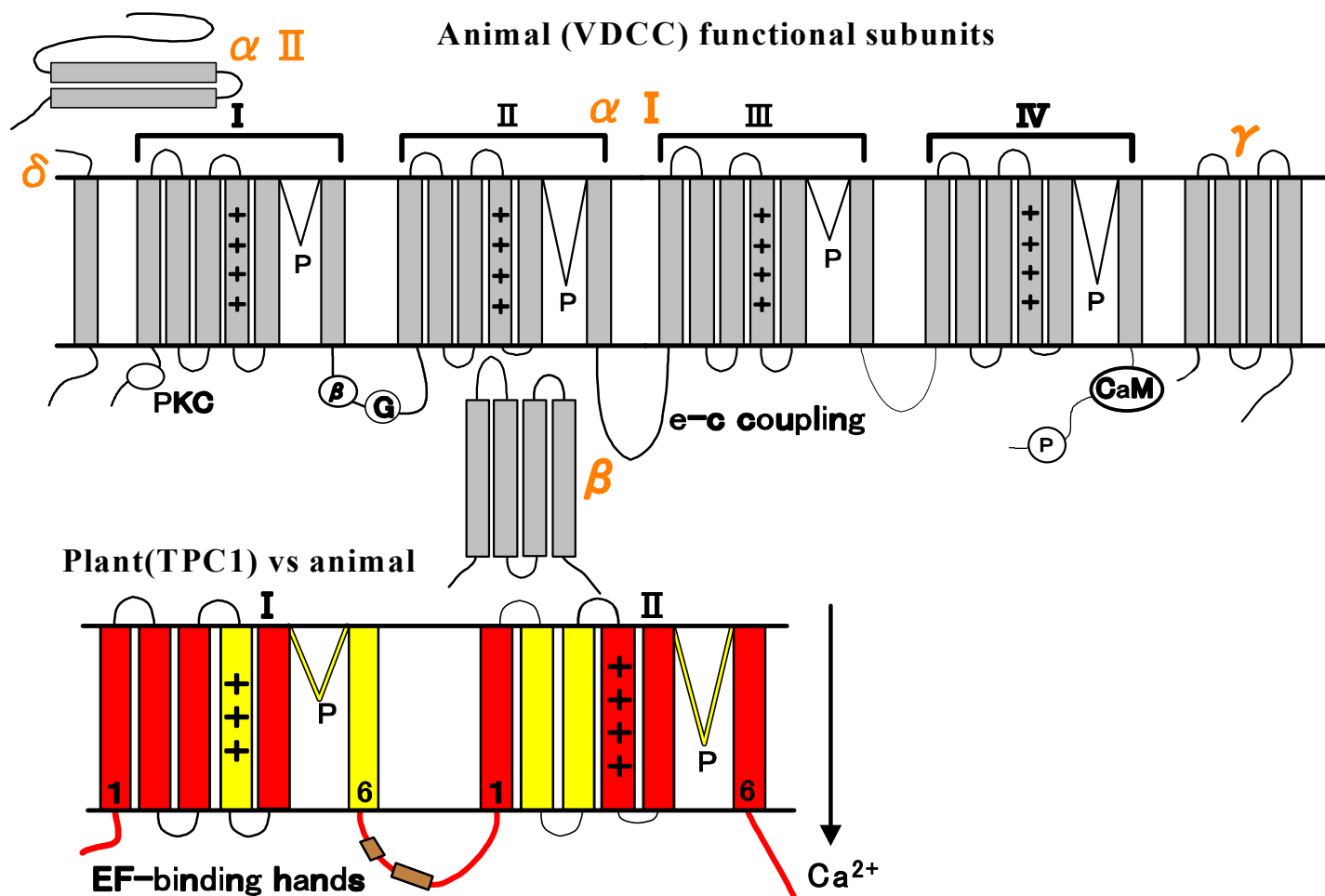


## Kir type

**KCO (AtKCO1)**

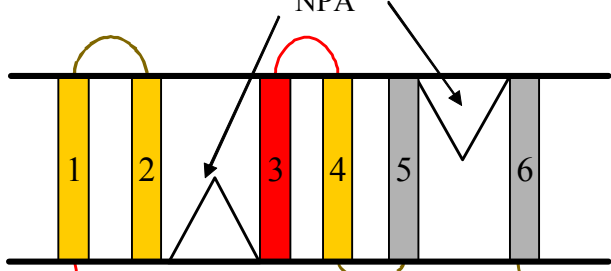
**<Ca<sup>2+</sup> channel>**

### Animal (VDCC) functional subunits

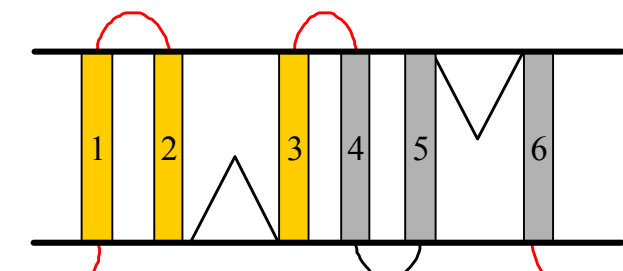


## E Major Intrinsic Protein (MIP = Aquaporin)

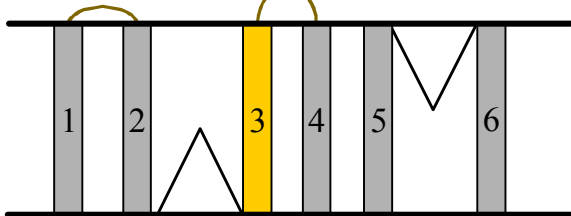
plant (NIP) VS animal(AQP1)



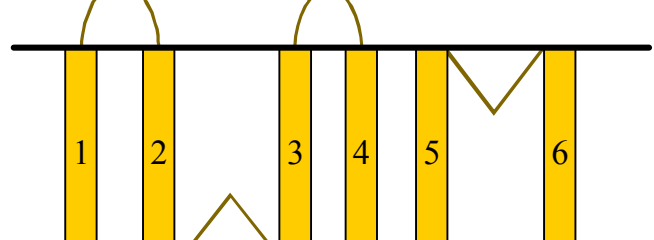
plant (TIP) VS animal(AQP1)



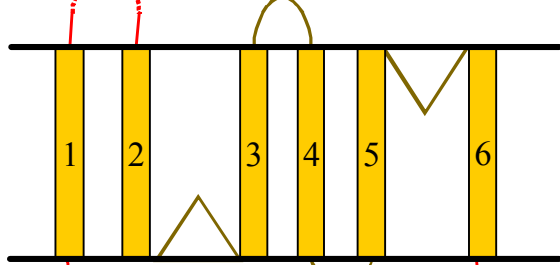
plant (PIP) VS animal(AQP1)



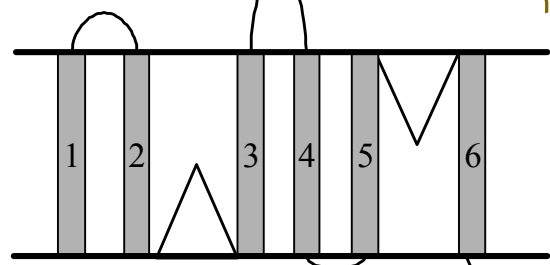
plant (SIP) VS animal(AQP1)



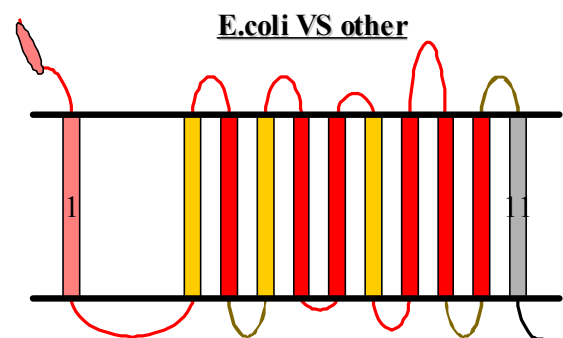
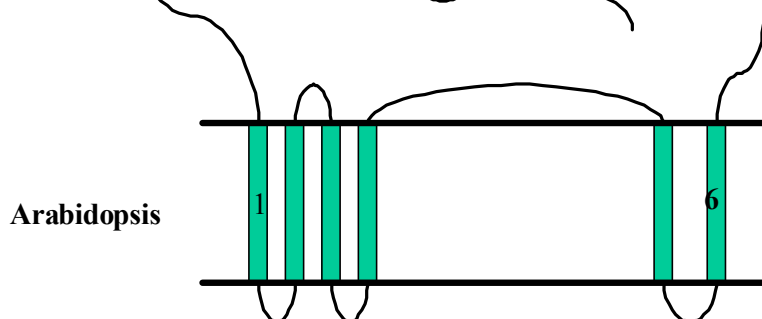
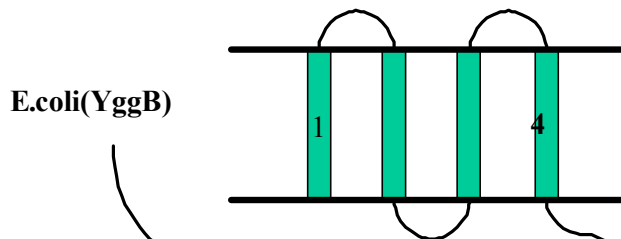
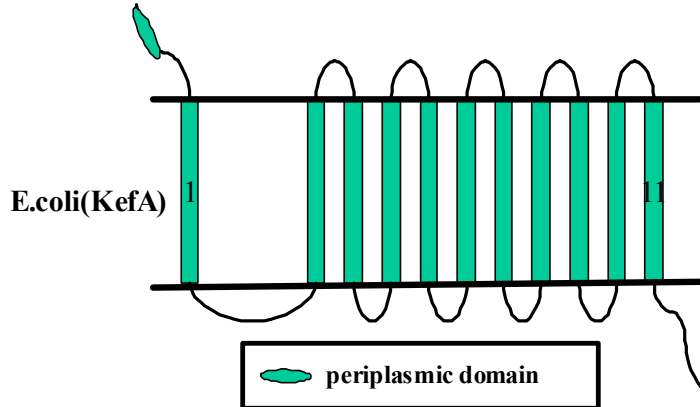
GLP(E.coli) VS animal(AQP1)



Bacterial AQP(E.coli) VS animal(AQP1)



## F Small Conductance Mechanosensitive Ion Channel (MscS)



Arabidopsis VS Oryza

