a) Reentrant motif at the voltage gated chloride channel dimer interface A-[AS]-[FV]-[NR]-A-P-L-[AT]-G

Region: reentrant
Function: voltage-gated chloride channel
Family: PF00654 voltage-gated chloride channel
Abundance: low; Specificity: high
Hits in Swiss-Prot: 23; Hits in Swiss-Prot-TM: 23; False positives: 0 (0%)
Interactions: dimer interface; Mutations: no

b) Structured heme-binding loop in heme-copper oxidases [WY]-x(2)-Y-P-P-L

Region: membrane-water interface, extracellular side
Function: oxidoreductase activity
Family: PF00115 cytochrome c and quinol oxidases
Abundance: medium; Specificity: medium
Hits in Swiss-Prot: 183; Hits in Swiss-Prot-TM: 162; False positives: 21 (11%)
Interactions: heme binding; Mutations: no

c) Cross-family membrane-water interface helix motif L-x-S-I-[GP]

Region: membrane-water interface, cytoplasmic side
Function: convergent evolution, gating mechanism
Family: across families
Abundance: high; Specificity: medium
Hits in Swiss-Prot: 5001; Hits in Swiss-Prot-TM: 3002; False positives: 2001 (40%)
Interactions: cofactor binding; Mutations: no