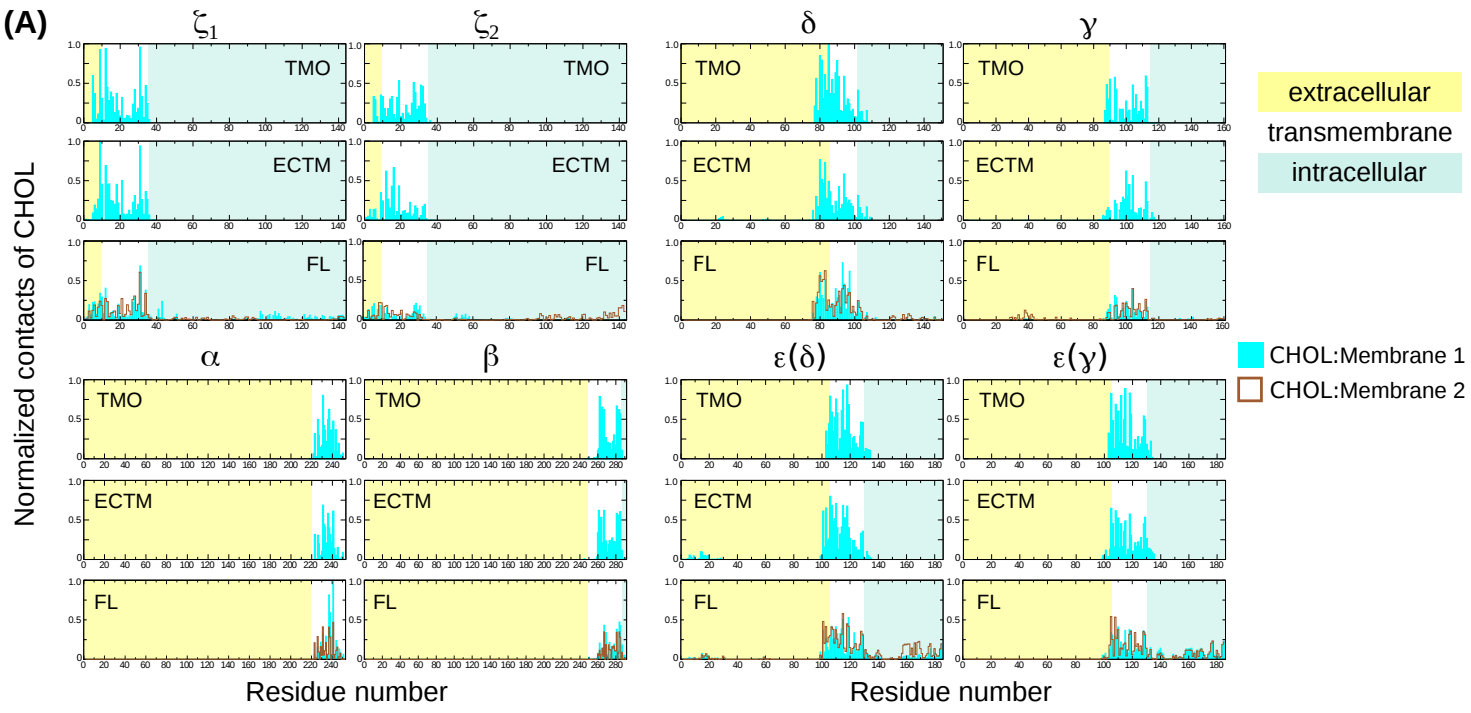
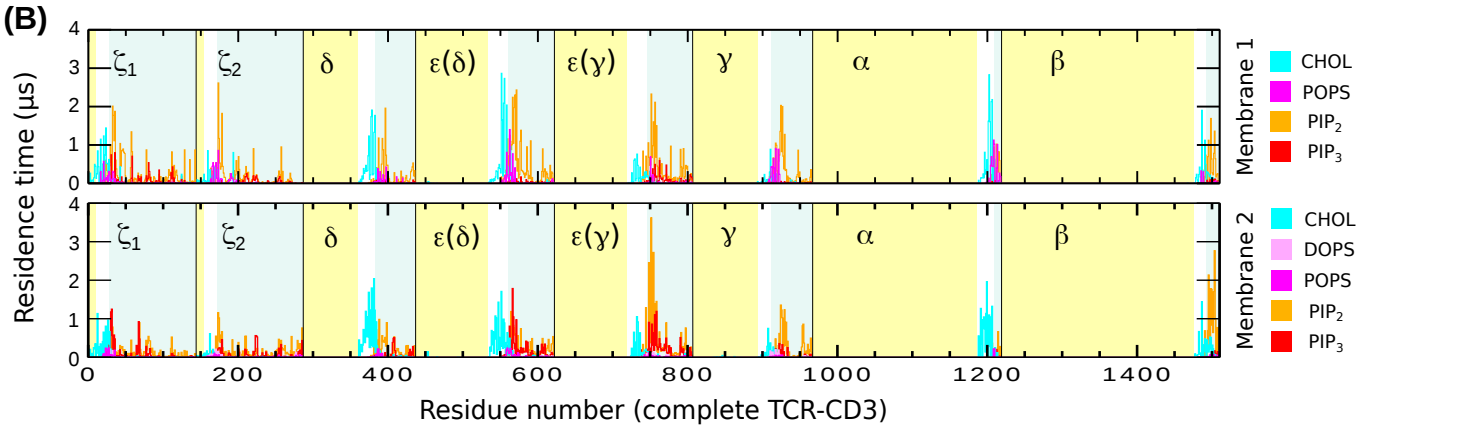
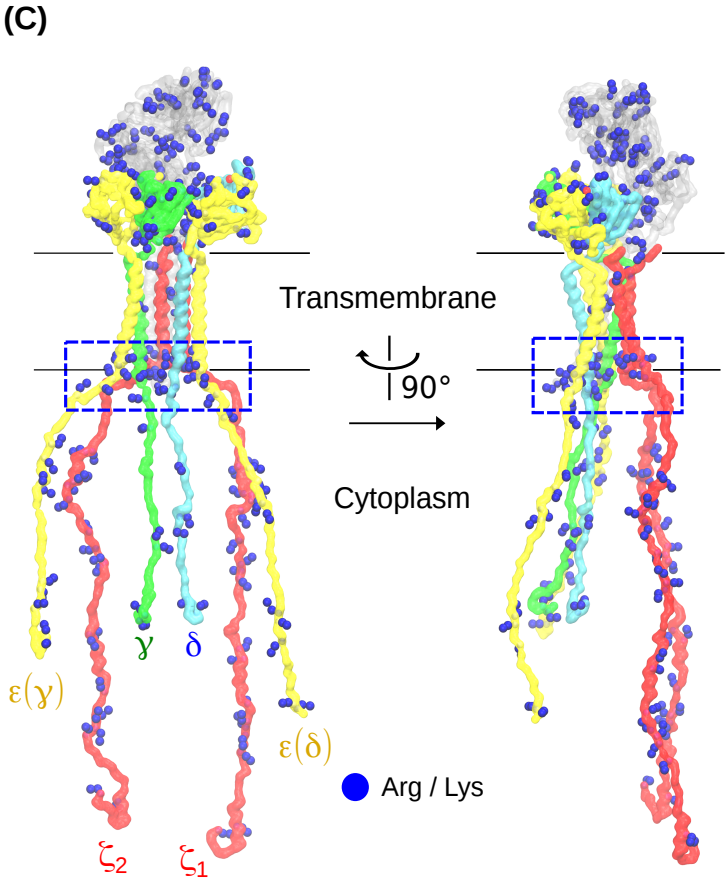
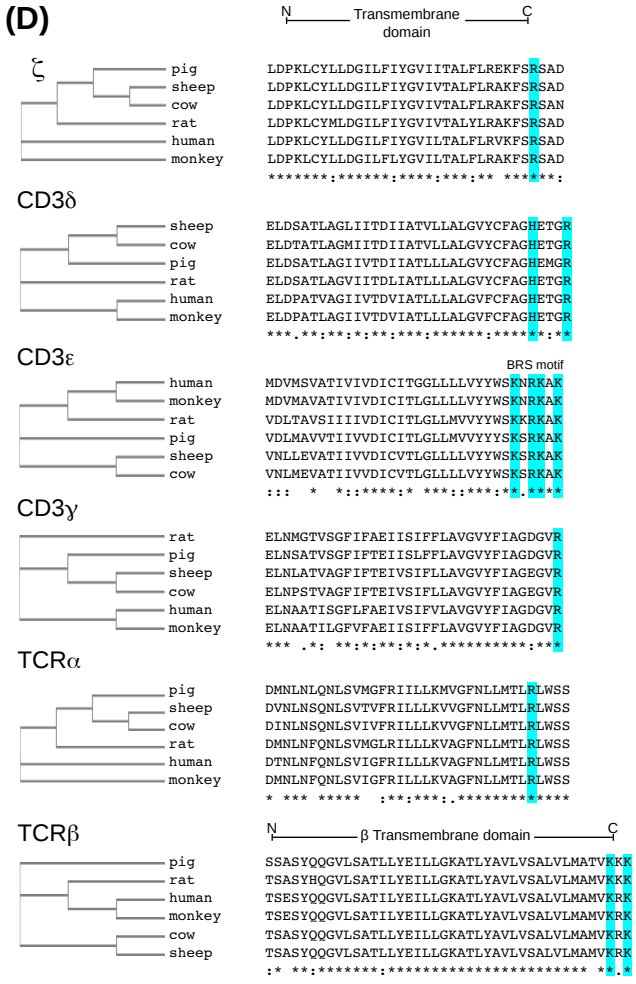

(A)
ζ1
ζ2
δ
γ
α
β
ε(δ)
ε(γ)
TMO
ECTM
FL
extracellular
transmembrane
intracellular
CHOL:Membrane 1
CHOL:Membrane 2
Normalized contacts of CHOL
Residue number


(B)
Residence time (μs)
ζ1
ζ2
δ
ε(δ)
ε(γ)
γ
α
β
Membrane 1
CHOL
POPS
PIP2
PIP3
Membrane 2
CHOL
DOPS
POPS
PIP2
PIP3
Residue number (complete TCR-CD3)


(C)
Transmembrane
90°
Cytoplasm
ε(γ)
γ
δ
ε(δ)
ζ2
ζ1
Arg / Lys


(D)
N
Transmembrane domain
C
ζ
pig
sheep
cow
rat
human
monkey
CD3δ
CD3ε
BRS motif
CD3γ
TCRα
TCRβ
β Transmembrane domain