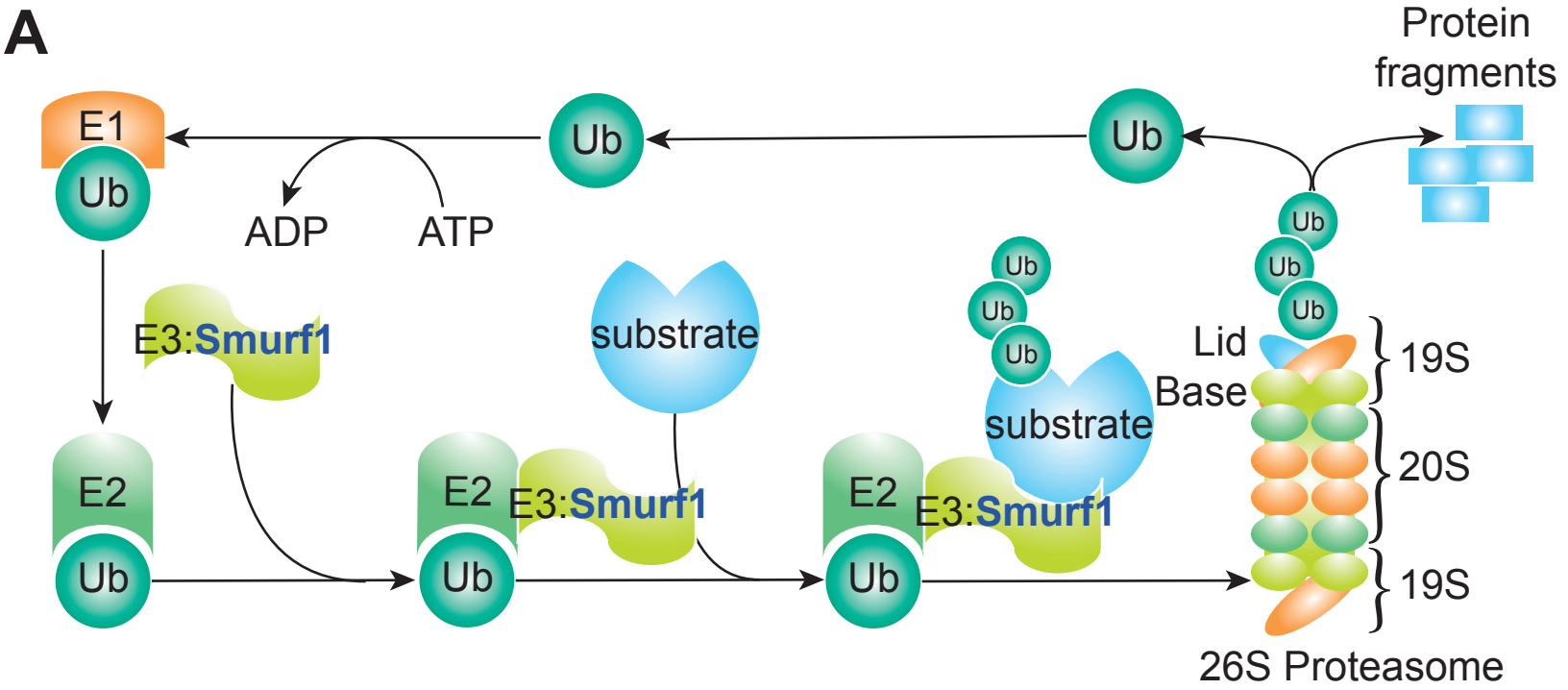
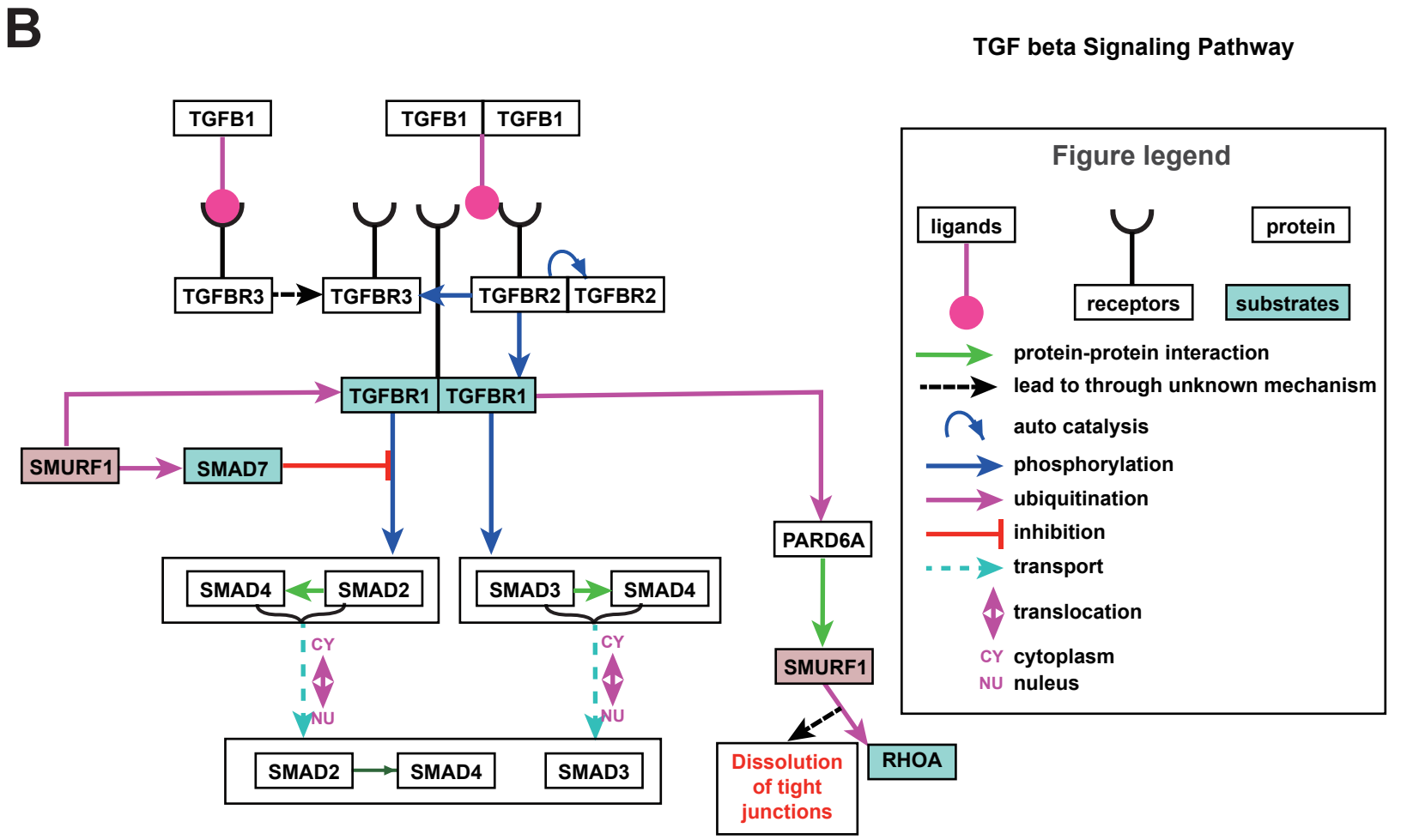

A
Protein fragments
E1
Ub
ADP
ATP
Ub
Ub
E3:Smurf1
substrate
Ub
Ub
Ub
substrate
Ub
Ub
Ub
Lid
Base
19S
20S
19S
E2
Ub
E2
E3:Smurf1
Ub
E2
E3:Smurf1
Ub
26S Proteasome


B
TGF beta Signaling Pathway
TGFB1
TGFB1
TGFB1
TGFBR3
TGFBR3
TGFBR2
TGFBR2
TGFBR1
TGFBR1
SMURF1
SMAD7
PARD6A
SMAD4
SMAD2
SMAD3
SMAD4
CY
NU
CY
NU
SMURF1
SMAD2
SMAD4
SMAD3
Dissolution of tight junctions
RHOA
Figure legend
ligands
protein
receptors
substrates
protein-protein interaction
lead to through unknown mechanism
auto catalysis
phosphorylation
ubiquitination
inhibition
transport
translocation
CY cytoplasm
NU nuleus