

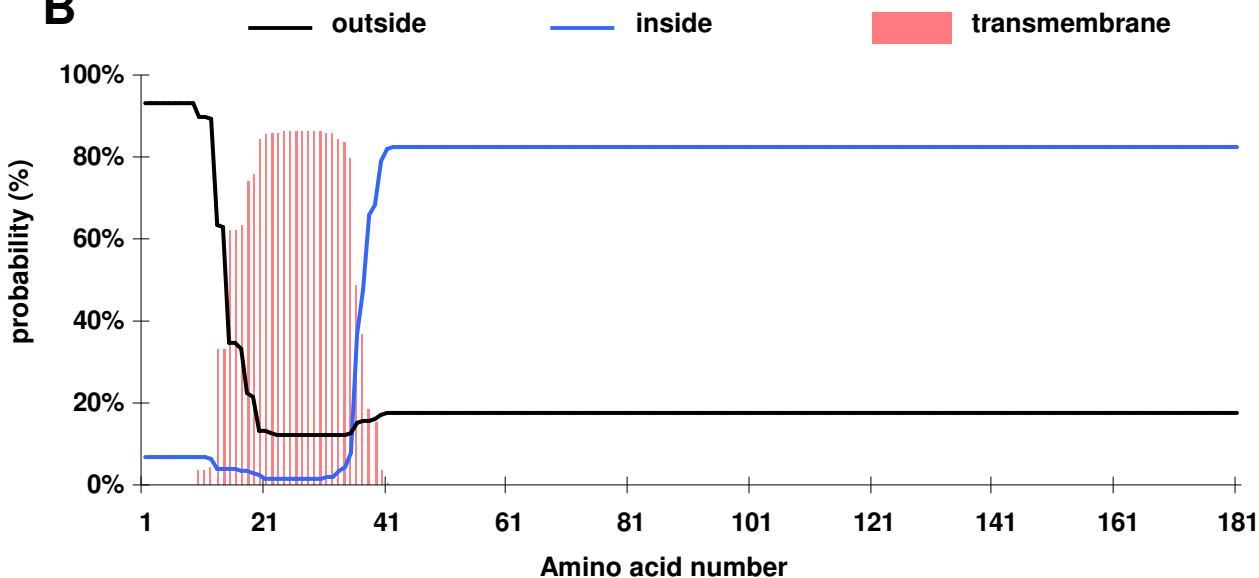
A

10 20 30 40 50 60 70 80 90 100

Human MAAEDVVATGADPSDLESGGLLHEIFTSPINLLLLGLCIFLLYKIVRGDQPAASGSDDDDEPPPLPRPKRRDFTPAELRRFDGVQDPRILMAINGKVFDV
 Porcine MAAEDVAATGADPSELEGGGLLHEIFTSPINLLLLGLCIFLLYKIVRGDQPAAS-DSDDDEPPPLPRPKRRDFTPAELRRFDGVQDPRILMAINGKVFDV
 Mouse MAAEDVVATGADPSELEGGGLLHEIFTSPINLLLLGLCIFLLYKIVRGDQPAASGSDNDDEPPPLPRPKRRDFTPAELRRFDGVQDPRILMAINGKVFDV
 Rat MAAEDVVATGADPSELEGGGLLHEIFTSPINLLLLGLCIFLLYKIVRGDQPAASGSDNDDEPPPLPRPKRRDFTPAELRRFDGVQDPRILMAINGKVFDV
 Xenopus t MAEE-----GILQEIFTSPINICLLCLCLYLLYKILRGDKPQTENNEEQ-----LPRMKRRDFTPAELRKYDGVQNPRIILMAISGKVFDV
 Xenopus l MAEE-----GILQEIFTSPINICLLCLCLYLLYKILRGDKPQSNENTEEQ-----LPRMKRRDFTPAELRKYDGVQNPRIILMAISNKVFDV
 Tetraodon MAEAEAGDTTSG-----GILQEIFTSPINLTLLSLCLFLLYKIVRGDKPQDFAEEEKF-----LPRMKRRDFTPAELRKYDGIENPRIILMAVNGKVFDV
 Zebrafish MA--EEAVEQTS-----GILQEIFTSPINISLLCLCLFLLYKIVRGDKPADYGPVEEP-----LPKLKKRDFTLADLQEYDGLKNPRIILMAVNGKVFDV
 Trout MADTEGAEEIYP-----GILQEIFTSPINLSLLGLCIFLLYKIVRGDKPADMGEVEEP-----LPKLKKRDFTLTELQYDGLQNPRIILMAVNFKVFDV

110 120 130 140 150 160 170 180 190

Human TKGRKFYGPPEGYPYGVFAGRNASRGLATFCLDKALKDEYDSDLTAAQQETLSDWESQFTFKYHHVVKLLKEGEEPTVYSDDEEPKDESARKND-
 Porcine TKGRKFYGPPEGYPYGVFAGRNASRGLATFCLDKALKDEYDSDLTAAQQETLNDWDSQFTFKYHHVVKLLKEGEEPTVYSDDEEPKDESARKND-
 Mouse TKGRKFYGPPEGYPYGVFAGRNASRGLATFCLDKALKDEYDSDLTAAQQETLSDWDSQFTFKYHHVVKLLKEGEEPTVYSDDEEPKDETARKNE-
 Rat TKGRKFYGPPEGYPYGVFAGRNASRGLATFCLDKALKDEYDSDLTAAQQETLNDWDSQFTFKYHHVVKLLKEGEEPTVYSDDEEPKDEAARKSD-
 Xenopus t TRGKKFYGPPEGYPYGVFAGRNASRGLATFCLDKALKDITYDSDLTATQRETLSDEWAEQFTFKYHHVVKLLKDGEEPTVYTDDEDAKDTSDLKKN
 Xenopus l TRGKKFYGPDGYPYGVFAGRNASRGLATFCLDKALKDITDSDLTATQKETLNDWEEQFTFKYHHVVKLLKAGEEPTVYTDDEDAKSSDSKKN
 Tetraodon TRGKKFYGPDGYPYGVFAGRNASRGLATFCLDKALKDEHDDLSDLNASQWESLSDWAEQFTFKYDYIGKLLKPGEEPAEYTDDEEGKDK--K--
 Zebrafish TRGKKFYGPPEGYPYGVFAGKASRGLATFCLDKALKDTHDDLSDLNAMQQESLSEWETQFTQKYDYIGKLLKPGEEPTVYTDDEEVKDK--K--
 Trout TRGKKFYGPPEGYPYGVFAGKASRGLATFCLDKALKDTHDDLSDLNAMQQESLSEWETQFTQKYDYVGLKLLKAGEEPTVYTDDEEVKDK--K--

B**C**