Supplementary Figure 1

Amino acid alignment of the α subunits of ENaC from different species, with the second of two furin cleavage sites in the human ENaC α shown at Arg 201. The sequence RRAR'SVAS around the FCS is identical only in chimpanzee and gorilla, of the species illustrated here. Adapted from Hanukoglu and Hanukoglu (20).

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Human       164  YSSFTTLVAG---SRSRRDLRGT----LPHPLQRLRVPPPPHGARRARSVASSLRDNNPQVDW  219
Chimpanzee  187  YSSFTTLVAG---SRSRRDLRGT----LPHPLQRLRVPPPPHGARRARSVASSVRDNNPQVDW  242
Gorilla     144  YSSFTTLVAG---SRSRRDLRGT----LPHPLQRLRVPPPPHGARRARSVASSVRDNNPQVDW  199
Rhesus      221  YDSSPTLVAG---SRGRRDLRGT----LPHLLQRLRVPSPLHGARQARSVASSVRDNNPQVDW  276
Elephant    144  YNYSNTLGAH---PRSRRDLRGT----LPHPLQRLQVPSPPHKARKARSADSSVQDNNPQVNR  199
Bovine      144  YNSSKTLVAH---ARSRRDLREP----LPHPLQRLPVPAPPHAARGVRRAGSSMRDNNPQVNR  199
Dog         185  YNSSNTLGAH---PRGRRDLREP----WPHPLQRLRVPAPPSGARRARRAASSVQDNNPQVNR  240
Mouse       189  YNSSYTRQAG-GRRRSTRDLRGA----LPHPLQRLRTPPPPNPARSARSASSSVRDNNPQVDR  246
Rat         189  YNSSYTRQAG-ARRRSSRDLLGA----FPHPLQRLRTPPPPYSGRTARSGSSSVRDNNPQVDR  246
Rabbit      144  YNASTLEAQP----RHRRDVHPP----LPHPLQRLRVPPPRLEARRARSSASSVRDNSPEVGR  198
Orca        144  YNSSNSLVAH---ARGRRDLRES----LPHPLQRLPVPAPPHAASRVRRSDSSLSHSNPKVNR  199
Tasmanian   142  YNSSRSLSNK---PRLRRDISNQ----LPYPLVKIPYP---QSFSHHRSGAAGVQENNPQVDK  194
Platypus    109  TTAALPSR-----PRSRRGLGSP----LPHPLQVLRRPPPASQPRRVRSGARGVRENGPRVGK  162
Chick       156  YNMSLARSDGSAQFSHRRTSRS-----LLHHVQRHPLR------RQKRDNLVSLPENSPSVDK  207
Flycatcher  144  YNMSLPQRDWSTSSTQRRSTRS-----LLHHVQRHPLQ------RQKRDNLVNLPENSPSVDK  195
Alligator   159  YNMSVTQSDWAAQYTHKRSSRS-----LFHYVQRHPLR------RHKRDNPAIVEENNPPVDK  210
Turtle      161  YSMSQVQSNGAAQSSQKRSQRS-----LSHHVQRHPLR------RRKRNEPVSLKGNSPPVDK  212
Xenopus     128  YNSTGVQGWIPNNQRVKRDRAG-----LPYLLELLPPG------SETHRVSRSVIEEELQVKR  179
Lungfish    133  YNPLTSGNQSACNSSSTAGTR------AFDESYMKLEFLNDENTAYSGPVKGATNSTSPVNHT  189
Coelacanth  128  YNTSQHGTSDDSMQSDIRRSNRIILSAPDRVPLQVLDEPAAEHARTENQMAGTDINNPALYKG  190
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