

Supplementary Data file 1 (Nässel and Wu)

Figure 1 – source data. Accession numbers for precursors of the neuropeptides shown in Figure 2.

>sp|P06307.1| [Homo sapiens] CCK8

MNSGVCLCVLMAVLAAGALTQPVPPADPAGSGLQRAEEAPRRQLRVSQRTDG
ESRAHLGALLARYIQQARKAPSGRMSIVKNLQNLDPShRISD**RDYMGWMDF**
GRRSAEEYEYPS

>NP_000796.1 [Homo sapiens] gastrin14

MQRLCVYVLFALALAAFSEASWKPRSQQPDAPLGTGANRDLELPWLEQQGP
ASHHRRQLGPQGPHLVADPSKKQGPW**LEEEEEAYGWMDFGRRSAEDEN**

>sp|P16240.2| [Ciona intestinalis] Cionin

MGSNIVYFSIIVIVTLNVNGVPASDLFKSVSQYHIPRSKVINKETVTKPLQFQR
AICRLLQKLGEETFARLSQSELEAKQLDLIKTCYQANSFGDNENQGHMQRMD
RNYYGWMDFGKRAIEDVDYEY

> (Daniel Thiel et al., 2021) [Phoronis australis] sulfakinin

MKNLIRSVLPLISICQLVHVANSAPFFTKVPQHSIMGFVDILKDFSSRHPHTKEL
DQRPEQPQEMGPKQGEYGAKDMLYPILVSSKAEERFEPLSQRTLFGQKLSKPS
EANQDVENLYDIPND**KRDYGIGGGRFGKR**KSPT**KKTPRSRYFYGGGRFGRSV**
ANFDHVDPEEEAFD

> (Daniel Thiel et al., 2021) [Lingula anatina] sulfakinin

MKSVEFFVCIFFTTIVINVDCAPWQIGNRLRTSHISQAMHKLQGS�HRIFYLGRK
KPNNGQYFTNSFSTLKGGEPIITNIYPMKGYIQVDQTKPVAASMQLKAFNGMD
SPTTGKQEK**RAWDDYGLGGGRY**GKREWKDGTSGLTLTQDATKHSNGNTNSK
RSDIYWLAGGRFGRDVSHVTDHVDPENDDDIEN

> (Daniel Thiel et al., 2021) [Notospermus geniculatus] sulfakinin

MNQALIIGVALFVVCASALPHKRTENAAGAKWSPSHTNHYQPEQFEKVFNAL
KGKDTDRYDGLLALVAAAGDEQLAE**KRQVDM**DY**GWSSGRFGKR**SVDNND
HIF

>EKC26412.1 [Crassostrea gigas] sulfakinin

MKNSLEHLLISSVLVLCLLFTLTKGN**SHA**QNSIIQLSKLFSNLQDIHDAKQTQE
ENTKDQVRSDTRKQRGEIGLILALGAPVHVESLQHNDKDTQTDTKSAWDV
DFEDDQQDVE**KRQGAWDYDYGLGGGRFGKR**FDY**NFGGGRWGRD**VDHVKQ
GQAK

>XP_005096263.1 [Aplysia californica] sulfakinin

MEPQLLSVVILVLCACAASALPTNSRREDLSHLVTLLGKLNIERARQNSEGS

AQAHAQEAWEGPRVSSFPETEVTADVIPDEVSAAKGYLGQRPATGVVVKRQG
AWSYDYGKGGGRFGKRSYGDYGIKGGGRFGKRDVDHVDLSDATENEITS

>NP_490908.1 [Caenorhabditis elegans] sulfakinin

MLRHHSCALLMLILVFVEVFATQSPTFDRQDRDYRPLQFGKRDGYRPLQFGK
RDYRPLQFGKRSSGSSGPVVLEPIWEWQ

>NP_524845.2 [Drosophila melanogaster] sulfakinin

MGPRSCTHFATLFMPLWALAFCLVVLPIPAQTTSLQNAKDDRRLQELESKIGG
EIDQPIANLVGPSFSLFGDRRNQKTMSFGRRVPLISRPIPIELDLLMDNDDERT
KAKRFDDYGHMRFKRRGGDDQFDDYGHMRFGR

>XP_039279256.1 [Nilaparvata lugens] sulfakinin

MGCSTMTAVLLTVSVFLLLQHQQVGLANGAAASELMTSSSNLVTANRGQT
GRRRASLPVILSQARPNSKGGQLIRARLTPLEPLISDLLIDDVDDMMEIGKRS
DDYGHMRFKRRGEADDKFDDYGHMRFGRDHV

>BAG49564.1 [Bombyx mori] sulfakinin

MRIAAVMLLAVSVAVTFCVCCDGANLRRVQPDDDEDFRPHPLYRDIYGLIRSR
VIRGDDTFDDYGHMRFGRSDD