>Human necdin

MSEQSKDLSDPNFAAEAPNSEVHSSPGVSEGVPPSATLAEPQSPPLGPTAAPQAAPPPQAPNDEGDPKAL

QQAAEEGRAHQAPSAAQPGPAPPAPAQLVQKAHELMWYVLVKDQKKMIIWFPDMVKDVIGSYKKWCRSIL

RRTSLILARVFGLHLRLTSLHTMEFALVKALEPEELDRVALSNRMPMTGLLLMILSLIYVKGRGARESAV

WNVLRILGLRPWKKHSTFGDVRKLITEEFVQMNYLKYQRVPYVEPPEYEFFWGSRASREITKMQIMEFLA

RVFKKDPQAWPSRYREALEEARALREANPTAHYPRSSVSED

>Rhesus Macaque necdin

MSEQSKDLSDPNFAAEAPSSEVHSSPGVPEGVPPSETLAEPQSPPLGPTAAPQAAQPPQAPSDEDDPKAL

QQAAEEGRAHQAPSAAQPGPAPPAPAQLVQKAHELMWYVLVKDQKKMIIWFPDMVKDVIGSYKKWCRSIL

RRTSLILARVFGLHLRLTSLHTMEFALVKALEPEELDRVALSNRMPMTGLLLMILSLIYVKGRGARESAV

WNVLRILGLRPWKKHSTFGDVRKLITEEFVQQNYLKYQRVPYVEPPEYEFFWGSRASREITKLQIMEFLA

RVFKKDPQAWPSRYREALEEARALREANPAAHCPRSSVSED

>Chimpanzee necdin

MSEQSKDLSDPNFAAEAPNSEVHSSPGVSEGVPPSATLAEPQSPPLGPTAAPQAAPPPQAPNDEGDPKAL

QQAAEEGRAHQAPSAAQPGPAPPAPAQLVQKAHELMWYVLVKDQKKMIIWFPDMVKDVIGSYKKWCRSIL

RRTSLILARVFGLHLRLTSLHTMEFALVKALEPEELDRVALSNRMPMTGLLLMILSLIYVKGRGARESAV

WNVLRILGLRPWKKHSTFGDVRKLITEEFVQMNYLKYQRVPYVEPPEYEFFWGSRASREITKMQIMEFLA

RVFKKDPQAWPSRYREALEEARALREANPTAHYPRSSVSED

>Walrus necdin-like

MSEQSKDVCDPNSAAEASNSEVHSSLGVPGGLSPPASQAATLAGPESPPLGPTDAPLASPPPQAPSEEGD

PKALQQAAEEGRAHQAPSAAQPGPAPPAPAQLVQKAHELMWYVLVKDQKRMIIWFPDMVKDVIGSYKKWC

RSILRRTSLILARVFGLHLRLTSLHTMEFSLVKALEPEELDRVALSNRMPMTGLLLMILSLIYVKGRGAR

ESAVWNVLRILGLRPWKKHSTFGDVRKLITEEFVQQNYLKYQRVPHVEPPEYEFFWGSRASREITKMQIM

EFLARVFKKDPQAWPSRYREALEEARALREADPTAHCPRSSVSED

>Gray Wolf necdin

MSEQSKDVCDLVSAAEASNSEAHRSPGGPGEPSPSASQAATLAGPERRPSGPTDGSLASPPPQASSEEGD

PKALQQATEEGRAHQAPTAAQPAPAPPAPAQLVQKAHELMWYVLVKDQKRMIIWFPDMVKDVIGSYKKWC

RSILRRTSLILARVFGLHLRLTSLHTMEFSLVKALEPEELDRVALSNRMPMTGLLLMILSLIYVKGRGAR

ESAVWNVLRILGLRPWKKHSTFGDVRKLITEEFVRQNYLKYQRVPHVEPPEYEFFWGSRASREITKMQIM

EFLARVFKKDPQAWPSRYREALEEARALREADPTAYCPRSSVSED

>Domestic Cow necdin

MSEQSKDVCNPNFAAEASNSEVHSSPGIPGEPSSPGSQAATLTESESPPLSPPDAPLVSLPPQAPGEEGD

PKALQQAAEEGRPHQAPSTTQLSPAPPAPAQLVQKAHELMWYVLVKDQKRMIIWFPDMVKDVIGSYKKWC

RSILRRTSLILARVFGLHLRLTSLHTMEFSLVKALEPEELDRVALSNRMPMTGLLLMILSLIYVKGRGAR

ESAVWNVLRILGLRPWKKHSTFGDVRKLITEEFVQQNYLKYQRVPHVEPPEYEFFWGSRASREITKMQIM

EFLARVFKKTPQAWPSRYREALEEARALRAAHPTAHCPRNSVSED

>Mouse necdin

MSEQSKDLSDPNFAAEVPDCEMQDSDAVPVGIPPPASLAANLAGPPCAPEGPMAAQQASPPPEERIEDVD

PKILQQAAEEGRAHQPQSPARPIPAPPAPAQLVQKAHELMWYVLVKDQKRMVLWFPDMVKEVMGSYKKWC

RSILRRTSVILARVFGLHLRLTNLHTMEFALVKALSPEELDRVALNNRMPMTGLLLMILSLIYVKGRGAR

EGAVWNVLRILGLRPWKKHSTFGDVRKIITEEFVQQNYLKYQRVPHIEPPEYEFFWGSRANREITKMQIM

EFLARVFKKDPQAWPSRYREALEQARALREANLAAQAPRSSVSED

>Squirrel necdin-like MSEQSKDLSDPNFAAEAPNSEMHSSPGVPVGVPPPASPPATLAGPSSPPVGPTASPQAALPPQALSEEED

PKILQQAAEEGRVYHPPEPAQPLPPPPAPAQLVQKAHELMWYVLVKDQKKMIIWFPDMVKDVIGSYKKWC

RSILRRTSLILARVFGLHLRLTSLHTMEFALVKALNPEELDRVALNNRMPMTGLLLMILSLIYVKGRGAR

ESAVWNVLRILGLRPWKKHSTFGDVRKLITEEFVQQNYLKYQRVPFVEPPEYEFFWGSRASREITKMQIM

EFLARVFKKDPQAWPSRYREALEEARALREANPSAHCPRSSVSED

>Cat necdin MSEQSKDVCDPDSAPQASNSEVHISPGVPGGPSQPASQAATLAAPESPPLGPIEAPLPSPPPQAPSEEGD

PKALQQAAEEGRAHQAPAASXXXXXXXPPAPAQLVQKAHELMWYVLVKDQKRMIIWFPDMVKDVIGSYKK

WCRSILRRTSLILARVFGLHLRLTSLHTMEFSLVKALEPEELDRVALSNRMPMTGLLLMILSLIYVKGRG

ARESAVWNVLRILGLRPWKKHSTFGDVRKLITEEFVQQNYLKYQRVPHVEPPEYEFFWGSRASREITKMQ

IMEFLARVFKKDPQAWPSRYREALEEARALREADPTAHCPRSSVSED