

Dm 1 MDSKRAALESGDGPDAKRLDTTDDQDK--EASGGDGSQVMLAKHVAPYTG
Da 1 MDSKRAALETGDGPDAKRMATAEEQEKPEELLPGDGNQIALGKHIPPYTG
Dp 1 MDLKRCPPAIGTGADSKRPKKN-QDK-GIEIPGDGN---P-QNLPPCSP

Dm 49 HGCTPPM-ESYLFEP TPAGSOLLPWKTS--VDLDND----AELEKPTS-D
Da 51 NGCSPSM-ESFMFQQTTPAGSOLLPWATAECQTSND----LDLDKSTSGN
Dp 45 DNCSVSLPESHVSPKTAVGAQPGSWQAET-INSDCDTGSLSEFDRNSLWK

Dm 91 KKPDTA--KLSRRELAKMRREHTLRALALERELTNKPGQTPASEVLLVRF
Da 96 KKTEAANSKLSRRELAKLRREHTMRALALERELTVKPGHGQPSVLLIRF
Dp 94 KDIHGN--KLSRREMARVRRMESLKCLELERELGSKSCEDTASVVLFI RF

Dm 139 PDPEITAPMLAGLSKDIRDVVLPI SVAPRYCLVHLKAGADVEATI CDINR
Da 146 PDPEITAPMLAGLSKDIRDVVL PSSVAPRYCLVHLKPGADVEATIADINK
Dp 142 PDPEISTAMVAGLSPAIRDVGVPSQLEPRYCMVHLKI GADV DSTISEINQ

Dm 189 VRFGTGHLRAELKPFSDDEEQA EFIDPCSLYVGNIPFNMTTSAIKAYFANA
Da 196 VRFGGGYLQAEHKPFSDDEEQA EFIDPCSLYVSNIPFNMATSAIKAYFTHA
Dp 192 VRFNGFLVAERKEYSAEEAKLIDPCSLYVSNIPFHMTTSAIKGFFVRS

Dm 239 MRVDIGVLKREKRARYAFVRYASPDQ TMEAFKELVDSP-LNSRTLTVRYR
Da 246 MRVDIGVLKREKRARYAFVRYASPEVTMDAFREL VGSPLNSRTLTVRYR
Dp 242 MRVDVGVLRTTEKRARYAFVRYATTELAREAFREL SRSPLNSRTLTVRFR

Dm 288 RLRKRAGMPMVQCATS FQALQSPNGDDD---NTDCKVISPPPLESITISD
Da 295 RLRKRAGLPTVQCTNSNL TITSPVGDDD---NADCKVISTPPMESITISD
Dp 292 RIKKRPGQFKLQPNP SNLTINTLATDDDDAADADCKVISPPPVESITISD

Dm 335 SD-NCS DSSGNGKEDGKRKKKINEQEREIEKLKRQMAEYGAI IKSLOFRQ
Da 342 SD-NCS DSSADAGRRRRRKNKMTDHEKEIQKLKRQMAEYGS I IKNLOVRQ
Dp 342 SDGNCSDSNGATKEKAKRKS KMTEHEMEIQKLKLQMAEYGAI IKSLOARQ

Dm 384 NSLEDTFIPDLTPKVEPSVNPTGCL--LGSNAVHLMRDIKKECDYLGIP-
Da 391 N-IGDLIIANLPPKEEPCANPSACIPVLGSTAVHLMRDIKTERAYLGIPD
Dp 392 D-----ISDLSPKLEPSSYP EMCRRHARVPTPVHLIQDIKAECAYLGLP-

Dm 430 ---DPVPATKPTTQAQD---DSQKKA KRSCFGRLFTGPF---RRGTSAM
Da 440 EGTDPPEPAHKPTTQPEEV--HADDRIKTKSPAR KSAK---QTQEKTK
Dp 435 EVTAEHEPAFRPTTLPI DKPGQND DPKKTKSLARLAKSPKPADEKTTASK

Dm 471 KTADEYEKDDRLEELYAQLERDPDP
Da 485 ASTASPDKEGRLEELYAQLES DAET
Dp 485 ATQASPEKDARLEELYAQLET DIDT