

A

MFRSRIPIFANVVRQTHYRNYANGVIKPRE**FNKVM**
VANRGEIAIRVFRAL**TELNKT**SVAIYAEQDKNSM**HRL**
KADEAYLVGKGLPPVAA^{YL}TDIQIETAL**KHNIDAIHP**
 GYGFLSERSDFAAACQNA^{GI}VFIGSPDVMARMGD
 KVAARQAAIEAGVQVVP**GT**PGPITTADEAVE**FAKQY**
GTPILKAAYGGGGRGIRRV**DK**LEEV^{EEA}FR**RSYSE**
AQAAFGDGSLFVE**KF**VERPRHIEV**QL**GDH**HGNIV**
 HLYERDCSVQRRHQ**VVEI**APAL**PEGVREKILAD**
ALRLARHVGYQNA**GT**VEFLVDQ**KGN**YFIEV**NARL**
QVEHTVTEEITGVDLVQAQIRIAEGKSLDDLKLSQE
TIQTTGSAIQCRVTTEDPAKGFQPD**SGRIE**VFR**SGE**
GMGIRLDSASAFAGSVISPHYDSL**MV**KVIASARN**H**
 NAAAKMIRAL**KKFRIRGVK**T**NIPFLLN**VL**RQ**PSFL**DA**
 SVDTYFIDEHPEL**FQFKPSQ**NR**AQKLLN**Y**LGEV**KV
 NGPTT**PLATDLKPA**VVSPPIYIPAGAK**PTGLRDLV**
 VQRGPTEFAKE**VR**SR**PGCMI**TD**TTFR**DA**HQ**SL**LAT**
RVRTYDMAAISPFVAQSF**NGLF**SLEN**WGGATFDVS**
MRFLHECP**WERLQ**TL**RKLI**PN**IPFQ**CL**LRGANAMG**
YSNP**DN**V**VIYK**CE**LAVK**AGM**DMVFRV**F**DSL**N**YLPN**
LLVG**MEAVG**KAG**V**EAA**AIY**TD**VD**K**SRD**K**YDL**
KYYLN**LADQLVKAQA**H**ILSIK**DMAG**VLKPEA**AK**LLIG**
 AL**RDK**FPDI**PHV**HT**DTSGAG**VAA**MLECAKAGAD**
VVDAAV**DSM**SG**MTSQ**PSM**GAI**VAS**LQGT**K**HDTGL**
SLDDISKYSAY**WESTRQLYAP**FE**CATT**MK**SG**NAD**V**
 Y**KHEI**PGG**QY**T**NLQ**FA**SLG**L**GPQ**FDEV**KRMYR**
EANLV**LGDI**K**VT**PS**SKIV**GD**LAQ**FM**VQ**NN**L**T**RET**LV
DRADD**LSF**PK**SV**V**DFM**Q**GN**V**GQ**PPY**GF**PE**PL**RT**K**
 VL**RGK**PK**V**D**GR**PG**ENAK**V**FD**L**DAV**Q**Y**LE**EEK**H**GR**
TLSE**EDVMSY**MP**FT**AF**DEF**ED**FRK**V**GE**LV**DK**LP**T**
RLFLT**GLEIA**EEVD**VEI**ES**GK**L**AIQ**LL**AE**G**KLN**K**RG**
EREV**FFDL**NG**QMRS**IF**VVD**KEAS**KEIV**TR**PR**AL**PGV**
RGH**IGAP**MP**GD**V**LEL**K**IK**E**GDK**V**TKK**Q**PLF**V**LSAM**
KMEMVID**SPIAG**TV**KAI**HAP**QGT**KCSAG**DLV**VE**VEP**

46% sequence coverage, 50 peptides

B

MLRAASSIRAVAN**RGL**TA**AAV**AR**PGV**PLDEREG**KEI**
 YTT**VGID**YNEPK**FDK**LIAN**RGEI**ACRV**IK**TAR**AMGI**
KTV**AVHSD**V**DSNS**L**HVK**MADEAV**CV**GE**APT**AK**SY**
 LR**ADRIL**Q**AV**ED**TGAQ**AV**HP**PGY**GFL**SENT**KFAA**EL
 EKAGAK**FIG**PN**SKAIL**DM**GDKI**H**SKKI**ATAAR**VSM**IP
 GYD**GEI**AD**EDMC**V**KVSR**D**IGY**P**VIK**ASAG**GGGK**
 GMR**VAV**ND**KQ**ARE**GYR**L**SKQEA**ASS**FGD**DR**MLV**
 EK**FID**N**PR**H**IE**M**QV**LC**DKH**GNAL**WL**NER**EC**SI**QRR**
 N**QK**V**IEE**AP**SS**F**V**PE**MRR**K**MGEQ**AV**QLAK**AV**GY**
 DSAG**TVE**FL**VDS**QR**NFY**FL**EM**TR**LQ**VE**HP**ICE**I**
 T**GID**V**Q**ML**RV**SY**G**HL**PL**IT**QE**Q**V**PL**NG**WAF**ESR**
VYAEDPYKGFGLPSVGRLSRY**VE**PK**HVD**GV**R**CD**S**
 G**IR**EG**SEI**SI**YD**PL**ICK**LV**TH**GD**N**REQAL**NR**M**QEA**
LDNY**VIR**GV**TH**NI**PLLR**D**IV**Q**KE**FR**FT**ND**IT**TK**Y**LE
 V**Y**PE**GF**Q**GT**LS**TP**KE**QDV**IA**FAS**AL**NAR**K**LAR**AN
QFLN**QNK**QR**ST**VAS**FS**K**TYK**F**V**SS**LPV**KE**GER**P
 TE**HAVE**VE**FV**EG**SANK**AQ**VR**IG**GK**TV**TIS**GD**L**N**L**
 HP**VNS**IEVD**GE**H**IT**T**QIV**G**KR**AGE**IT**V**LYK**GT**PF**K**V**
 K**VL**PE**Q**AV**KY**L**Q**M**KEK**AK**V**LD**ST**V**LV**SP**M**PG**AIK**
 N**VN**V**K**AG**MD**Y**SG**EL**V**ME**AM**Q**N**SL**HAG**KT
 GR**VKA**V**NV**K**GAT**V**D**E**GE**V**L**VE**L**

17% sequence coverage, 13 peptides

C

ML**GV**F**Q**K**R**CAST**AP**L**R**PI**Q**RV**L**VAN**RGEIAIR**VQ**NT**
 AR**KM**GI**ET**V**AV**F**SD**ADR**NSL**FA**VK**KAD**KAY**H**IG**IP
 LA**ES**Y**N**MD**KI**NSAL**R**SGA**Q**AI**HP**G**Y**FL**SE**NA**P**
 FA**E**K**CAQ**AL**GV**I**GP**PA**Q**AI**RD**M**AG**K**NV**SK**IMED**
AKV**P**V**VK**GF**HGED**Q**SDAN**L**KKK**SA**EIGY**P**V**ML**KAV**
 Y**GGG**G**K**M**R**IA**W**NEA**E**FE**EK**L**AS**AR**NEAK**KS**SFGN**
DEML**VEK**F**VEK**PR**H**VE**V**Q**V**FD**H**H**GN**Y**V**HL**WERD**
 CS**V**Q**RR**H**QK**I**IEE**AP**PN**ME**H**DR**V**KL**G**ES**AV**RA**A**
 AA**V**GY**V**AG**T**VE**F**AP**ND**PR**GE**F**Y**F**MEM**NT**R**L**Q**VE**H**
 PV**SE**AI**T**GT**DL**VE**W**QL**R**VA**Q**GE**K**L**PLK**Q**SEI**PL**NGH**
 AF**EC**R**V**Y**AE**D**TR**K**GAF**MP**T**AG**R**L**NY**V**DF**PE**D**AR**ID**
 TG**V**SG**DE**V**SI**HY**D**PM**IAK**V**V**WG**Q**DR**AV**AA**AKLE**
SALAR**TRIS**GL**PT**N**ID**F**VRR**VL**AH**PE**FA**AG**N**V**Y**TD**F**
 PD**H**K**EL**FA**ES**ET**PA**E**I**Y**VE**SA**V**A**H**LA**AL**Q**K**SD**AG**
VF**Q**N**L**S**FFR**M**N**L**SP**K**Y**IF**KID**G**KD**V**SIR**FD**S**DS**R**LT**V**
 SY**D**GN**SY**ET**LL**ND**IE**ST**TD**GS**FK**FT**LE**ANG**R**RW**ST**
 V**V**KN**L**GN**SL**M**V**NG**V**G**Q**NEY**ET**P**QI**H**ET**FD**SL**SG**G**
 AA**SH**SA**V**AP**MP**GI**E**K**IL**V**K**PE**Q**VT**T**G**Q**AL**V**V**M**TA
 MK**MEY**I**IR**AP**ED**ST**VE**H**IK**C**Q**AG**K**NV**PK**NAV**L**V**Q**FA

21% sequence coverage, 14 peptides