

PNPLA1 LSFSGSGFLVLYQVGVVQSLLELAP-ELLKSACKVYGSSAG-----SLIAA
PNPLA2 ISFAGCGFLGVYHIGVASCLQEHAFLVANARKVYGASAG-----ALTAT
PNPLA3
PNPLA4 LSFASCGFLGIYHLGAAAALYRH-GKKLLKVVKDFAGASAG-----SLAAT
PNPLA6 LVLGGGGARGCSHIGVIKAMEEAG-----IPIDMVGGTSIGSF-----IGA
PNPLA7 LVLGGGGARGCSQVGLIRALIEAG-----IPVDMIGGTSIGAF-----MSA
PNPLA8 LAIDGGGTRGLVALQTLRKLEELTGKPVHHLFDYICGVSTGAILAFMLGLFHIPLDDCEE
PNPLA9 LCLDGGGIRGLVLIQLLLAIEKAAGRPIREIFDWIAGTSTGGILALAI-VHGKSMDYMRC
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PNPLA1 VFYANAREARKT-----LLGPLSPKCSLLANIRAVLERRLPE
PNPLA2 SIIRVSKEARKR-----FLGPLHPSFNLVKIIRLCLSKTVPE
PNPLA3 LAKEARKR-----NLGPLHPSFNVIKIIRDGLMRNLPE
PNPLA4 FTYEFAEEVRKL-----DFGAVTPGYDFMKRLREGIESILPS
PNPLA6 LYAEERSAVRTK-----QRAREWAKCMNSVFATVLDLTYPITSMFSGSAF
PNPLA7 LYAEERSYNQMR-----IKARQWAMVMNSVFKTILDLTYPITSMFSGAAF
PNPLA8 LYHKLGSDFVKQNVIVGTVKMGWSHAFYDSDIWEKMLKEKMGSNLMIETARNKCPKVAA
PNPLA9 LYFRMKDMVFRG-----SRPYESEPLDEFLLKKEFGENTKMTDVQK---PKVIV
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PNPLA1 DSYLVASG-----RLHISLTRVVDGQNMVSEFSSNE-----ELIQALLCSCFLPI
PNPLA2 NGHEVAAG-----RLGISLTRVSDGENVILSDFHSKE-----ELIQACVCSTFIPV
PNPLA3 NTHLLSSG-----RLCISLTRVSDGKNTLISNFNSKE-----EVVQALICSSFVPI
PNPLA4 NAHEIAEN-----RLYVSVTNVRNGKNYLF SNFASRE-----DLIKVLLASSFVPV
PNPLA6 NASINKVFQDKQIEDLWLPYFNVTDDITASAMRVHTDG-----SLWRYVRASMTLSG
PNPLA7 NNSISNIFKDKQIEDLWIPYFTITTDITASAMRVHTDG-----SLWRYIRASMSLSG
PNPLA8 VSTIVNRG-TPLKAFVFRNYNHFPV-KKSHYIGGCQYK-----LWQAIRASSAAPG
PNPLA9 TGTLCDR--QPAELHLFRNYPAPETKISTEYKTTATFKPLTQPEDQLVWRAARCSGAAPT
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PNPLA1 YCGFIPPSYRGVRYVDGGFTGLQPVSSLEE
PNPLA2 YCGLIPPTLRGVRYVDGGISDNLPRIYELKN
PNPLA3 YCGLIPPSFRGVRYVDGGISDNLPQYESKN
PNPLA4 YAGMKPVEYKGEKWVDGGITNGLPILPFGR
PNPLA6 YLPPLCDPKDGNLLMDGGYINNLPADIARN
PNPLA7 YMPPLCDPKDGHLLMDGGYVNNLPADVARS
PNPLA8 YFQEYVLGND--LHQDGGLLLNPNPSALAVH
PNPLA9 YFRPIGR-----FLDGGLLANNPTLDAMA
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