

LeUCP1	-----MSDLKL RPEISFVETFFCSAFAACFAE	CTI	31	
AtUCP2	-----MADF KPRIEISFLETFCSAFAACFAEL	CTI	31	
ReUCP	-----MADLNPKSEISFAEIFLCSAFAACFAE	CTI	31	
ZmUCP3	MPAASLQGDGMK IATTTKCCLPLAQQQGAAMP	GDHGSKGD ISFAGRFTASA I AACFAE	CTI	62
GmUCP3	-----MVADSKSKSDLSFGKTFASSAFS	SACFAEV	CTI	32

LeUCP1	PLDTAKVRLQLQK ---- KVTTE DGA - IAPKYGGLLGT IAT IAREEGLS	SALWKG I IAGLHRQC	88
AtUCP2	PLDTAKVRLQLQR ---- KIP TGDGE - NLPKYRGSIGTLAT IAREEGLS	SGLWKGVI IAGLHRQC	88
ReUCP	PLDTAKVRLQLQR ---- KASTGDGG - SISKYRGLLGT VAT IAREEGIT	ALWKG I IAGLHRQF	88
ZmUCP3	PLDTAKVRLQLQKNVVAASGDAAPALPKYRGLLGTAT IAREEGAAALWKG	IVPGLHRQC	124
GmUCP3	PLDTAKVRLQLQK ---- QAATGDVV - SLPKYKGM LGTVAT IAREEGLS	SALWKG IVPGLHRQC	89

LeUCP1	IYGGRLIGLYDPVKSFLVGGDFIGDIPLYHKILAALITGAIAIAVANPTDLVKVRLQAEGKL	150
AtUCP2	IYGGRLIGLYEPVKTLVGSDFIGDIPLYQKILAALLTGAIAIIVANPTDLVKVRLQSEGKL	150
ReUCP	IYGGRLIGLYEPVKTFVGSDFVGVIPLYQKILAALITGAVAITVANPTDLVKVRLQAEGKL	150
ZmUCP3	IYGGRLIGLYEPVKSFYVGKDHVGDVPLSKKIAAGFTTGAIAISIANPTDLVKVRLQAEGKL	186
GmUCP3	LYGGRLIGLYDPVKTFYVGKDHVGDVPLSKKILAAFTTGAF AIAVANPTDLVKVRLQAEGKL	151

LeUCP1	PSGVPKRYYGTLNAYYTI VRQEGLCALWTGLGPN IARNAI VNAAELASYDQVKQTI LKIPGF	212
AtUCP2	PAGVPRRYAGAVDAYFTIVKLEGVSA LW TGLGPN IARNAI VNAAELASYDQIKETIMKIPFF	212
ReUCP	PVGVPGRYAGALNAYFTIAKQEGLCALWTGLGPN IARNAI INAAELASYDQVKQTI LQIPGF	212
ZmUCP3	APGVPRRYTGAMDAYSKIARQEGVAALWTGLGPNVARNAI INAAELASYDQVKQTI LKLPGF	248
GmUCP3	PPGVPRRYSGSLNAYSTIVRQEGV GALWTGLGPN IARNGI INAAELASYDQVKQTI LKIPGF	213

LeUCP1	TDN I LTHL LAGLGAGLFAVCIGSPIDVVKSRMMGDSAYKNTIDCFIKTLKNEGIFAFYKGF L	274
AtUCP2	RDSVLTHL LAGLAAGFFAVCIGSPIDVVKSRMMGDS TYRNTVDCFIKTMKT EGI MAFYKGF L	274
ReUCP	MDNAFTHLVAGLGAGLFAVCIGSPIDVMKSRMMGDSSYKSTLDCFIKTLKNEGFFAFYKGF L	274
ZmUCP3	KDDVVT HLFAGLGAGFFAVCVGSPVDVVKSRMMGDSAYKSTLDCFVKT LKNDG PLAFYKGF L	310
GmUCP3	TDNVVT HLFAGLGAGFFAVCIGSPVDVVKSRMMGDSSYRNTLDCFIKTLKNDG PLAFYKGF L	275

LeUCP1	PNFSRLGSWNVIMFLTLEQAKKV FVRE VYFD	305
AtUCP2	PNFTRLGTWNAIMFLTLEQVKKVFLREVLYD	305
ReUCP	PNFGRLGSWNVIMFLTLEQVKRIFTREMYND	305
ZmUCP3	PNFARLGSWNVIMFLTLEQVQKLFVRKATS -	340
GmUCP3	PNFGRLGSWNVIMFLTLEQT KRFVKSLELS -	305