

>PtCLE1

MAFGDGLSRFSSISIALIILTFVLM^{PL}VHSSRSSSLNIRFTNMACNLMFAMHET
TVAAGNRARASAQDIHQSYKITRMGKGASSLVTDDESEREVPTGPDPLHHNN
NPTRP

>PtCLE2

MDIDPFWITGGWLIITDFNFMAPTRK\$^{PL}CRTTTKLQAMVFLDLLIVPLLAR
PIDLSKKLTAASSPTGTKHSTTEMHPHESKYAPPSSTAAAAAADMTSSTTTTV
PTTPAASASNQQFKAAAHEVPSGPNPESN

>PtCLE3

MAIKEHRFLLGTSRDGEYIKKNDMEYH^{AN}RRHDMGNAKTVSKANIIHIPPPSS
RRRGRFRAHRSPLPWQEGVFND\$AHEVPSGPNPISNRKNQKQLEKERCAYI
KREMSFHRQKGKITISTFGVRRPFVKDETKYNYERETKGPKYQSFACKVTRT
WHPKL

>PtCLE4

MACPSKFYSLMLVLVLFYVMVEESY^{GL}NLSQSLSLHGCSTGQRCFYAEAVSP
VDVKSRKVLVVLTGGLRGPTGSTNGE\$KLEIRELRAAPSGPDPLHHNGGSPEK
PRT

>PtCLE5

MKWIKIASCL\$RTLSSFSRSMQHF\$KPRMSRLTFVHLL\$LA\$WLL\$V\$^{SQ}QRFSSNI
KVQAVEAVHFKPNPAQLTSKSHKGNVLPVWVAEKRIHKSPSGPNPVGNNHPPS
KQ

>PtCLE6

MRQLMGLR\$KELACLA\$IFFILL\$LL\$ET\$^{SL}PDRSARYGSSKNTGSTSQLMGPVKS
HGGGLRGDKDEGGD\$ATLGDEK\$RKIFTGPNPLNR

>PtCLE7

MANMRVFLFFILSLLFFSTF\$^{TR}SIDRISHRGDRSLIETAQEMLKES\$ARHELIEG
FNESFRLSPGGPDPRHH

>PtCLE8

MATLIKKILL\$SMIIIVMLVGSSD^{AR}FSRK\$FSTMPKKFESSHILRELGYDMPKI
EYYRRRWMLD\$TDRLSPGGPD\$PQHH

>PtCLE9

MHYQQSPRVFVLQKPMVILLVLFVS^{GD}RKEETTVNVHGLQNQQPPSSTEKQ
QRLRHSFDTFFSSKRKVPNASDPLNR

>PtCLE10

MKLFQLCLIVALLIVFGSSPRRSH^{AI}RGSSAPSTSQQVFRSPFSPSPFAQRAEEF

ASQKRRVPAGPNPLHNR

>PtCLE11

MGTTTTLYPRLSFFVLMIMLVVNQLS**SC**HFIHSRTSEEPGKTVETDLSSHFSWKF
KEMVRERSSKDESDTIYRVSRRKIPAGPNPLHN

>PtCLE12

MDIEPLWALGGWFLFSITCMATPKSQS**TI**SETFKRSHHFFLFLALLFVFILLTSPS
KPINPTNTVASISIKRLLLESSEPASTTMNLHPKHTQGTRTSSSSSSPPSSKSTRK
KFGAQAHEVPSGPNPISNR

>PtCLE13

MRINPNPRLSFIFLIILLAISQLSS**CR**HLHIKIGDQNKQRAEADVFTQLSWHFPA
KASEGSSKDEIDDPVYGVSYRAVPGGPNPLHN

>PtCLE14

MASDVGSPNLTSLTILFFLLIMFHTTM**AN**KDHRFLLSTTRDGGYFKKSLMEFS
TTRPDMGNAKTVSKANVIHIPQSSRRRGRFRAHRSPLPWQEGIFSASAHEVP
SGPNPISNR

>PtCLE15

MDIDPFWITGGWFIITDFNFMAPARQI**SV**CENTTKLQAMVFLGLLLIVPLLA
RPIDLSKKFTASSPSTRAKHFTTEIHPQESKYTPPSRTDDAAAVTSSTTTTVSA
TPVSASRQQFKA AFHEVPSGPNPESN

>PtCLE16

MASLRCYLCVLLILLSFAQSE**AR**PLDPSVVRNLI RTIRALGESEAVGDQCASK
RVSPGGPDAKHH

>PtCLE17

MFTSKNKVGYLLLLILLSISAFDHGVL**GA**RNLKERVEYTKKTEGSVNIQDATVS
RAVPSGPDPLNNR

>PtCLE18

MINRVTRKKEMGVLRRRELACLSLLLLLLIMSLLETPCY**AV**GYGKFSSVKGGS
SSELRNNPAMSN SVGGLKRNANKDGNEIFGADKRKVYTGPNPLHNR

>PtCLE19

MVFCahrVLILLICIGFIA**VQ**PDEVYGLTSVELVLRHNQKAQGTAPQSQRVLK
DVDMMQGM DTKKSAHASKTFDRSQSNKRRAPRGSDPIHNRERDVYRKAI REN
VHRASIISVPQVEIINRQ

>PtCLE20

MKNPFSSTTTLSSHGLLILALLLLFFVISST**AT**GVPTSASLETSSRNQHHRFKSQ

HHSCGSFPHKSSSRSWCIRFQRMNGRRHLGSPLPPPLPPPIEIDPRYGVEKRLVP
SGPNPLHN

>PtCLE21

MALKISHIPCALLCLYLLLL**AF**HELNRNFKSKINNNKDQINNISSSSISHHPFHNR
KVLVSKFDFTPFQKHRQQQHENPLPDEEVHKKAARSEIDPRYGVEKRLVPTGP
NPLHH

>PtCLE22

MSFGSSRRIMYSTSLVVVLVMFVLQIWVC**GV**SNCKAGAIRLLQENDMAKFKE
SGNNIPANNYKSKEEYFRKYFNERGNTSHGFNKTEKGFEESKRRVPSCPDPLH
N

>PtCLE23

MIFHRKVGVAARGRRYSGAKAAIIFLFWILLILAQLGI**LI**AFGHEETGKLVKS
LPRKARFFETRFHAPPSQDQPLDIDKGDPTVYEDDKRIIHTGPNPLHN

>PtCLE24

MGGGGSCSLSFKVLLAAVATVMLVLI**LL**VGALESGATKMTERTQTVLDSIAQ
DDLRRRHEELIGREKLVYNPELDLNFVMNKRKVPNGPDPIHNRRAGNSRRPP
GRA

>PtCLE25

MALSFKFYSLIFLLGLLFMVLEESS**GC**KTGEKCFYGDAASLVDFKSRKVLVVS
RGDVRGEPTSNSTGNGEELEIRELRVPSGPDPLHHNGGSPKKPRT

>PtCLE26

MITDNSVDKNTPYSSKPLSHKASPFICNTHPFKPKMSRLTFTIHL**LL**ALLLLVAS
QQHFPSIIKVQAIEAVHFKLKPRQLTSKLHVGGDDLPNWVAEKRIHKSSSGPNPV
GNRNPPSKQ

>PtCLE27

MGLRKELACLALLFLILLLL**SV**PDRSARHGSFKNTGSTAQLTGPKVSHGG
GLRGDRDEEGDATLGDEKRKVYTGPNPLHNR

>PtCLE28

MGCSGSSCSLSFKVLLGGIATVVFM**LL**VGALESGATSKMTTSRLNSVQATQ
NDLKDDHEKDVIGREKLVYNSELNLNYMMSKRRVPNGPDPIHNRRAGNSKR
PPGRA

>PtCLE29

MVSHHKVGVEAARARRYAGAARAAIIFLFWILLILAQLGV**FL**VVHEETDKPV
KSLPRKARVFETGSVHASPNQDQPVNIDGGDPDAVYEDDKRTIHTGPNPLHN

>PtCLE30

MSFGSSRRLMYSSSLVVVLVVVFLQIWVC[SD]CNCKAGAIRLLQENGMEKFKE
SSDITKDNYKSKEKHFRKYFNERANTSYGFNKTEKGFEENKRRVPSCPDPLHN

>PtCLE31

MALRIFHTLCVFWLSLLLLV[HE]LCNFKSKINSTKDQINNISKSSSTFSYRPFLT
RKVVARKFDFTPFQKHHQQPMPEEEGHKKRARSEIDPRYGVEKRLVPTGPNP
LHH

>PtCLE32

MLGIKTPSLLSPPSFPFSFLSKPLSLQHSPS[PF]DLSISLPTMKNPLSSTISFSSQYR
LLILTLLLFFVISTATRIPNYASLDTSSRNHRDSFKIQRYSPSSFPRKSTSSYWCN
QFQRMKGGLHLGPPPPPPPPSEIDPIYGVEKRLVPSGPNPLHN

>PtCLE33

MVFCRRVLILLICIGFIAVC[PR]KLYGLTSVEVILRHDRKAHGTLPHSQRSKLD
VDMQGMDDTKKSAQANKTFDPSQTSKRRVRRGSDPIHNRS

>PtCLE34

MKRKQILAYALLAFLIASDQCHYSA[GI]VVQAAKSVDTRLKNAQPILRSTRYKL
ASWKSGTKFKDTIHKAPSGPSPIGNRHRSSIHV

>PtCLE35

MACVRFYLCVMLILLSFAQ[SE]TRPLDPSAVRRNLIRTIRALGETETYNVKQGN
EGMIGGRFSSKRVSPGGPDAAQH

>PtCLE36

MANMRLLLFFVLIMLLFSMFB[TR]SIDHVAHRRDRSLIESSKEMVKESIVRHEM
TGGFNECFRLSPGGPDPRHH

>PtCLE37

MATSMKMRILLSILLLLMLVGSSD[AR]FSRKFSIMPEKLVSRHILRDLGYEMSK
VEHYRRWMQDTRVSPGGPDPHHH

>PtCLE38

MATPKTQSTTISDHQTCTKAHHFSLI[AL]LFIFILLTTSTKPINPTNMAASISIKR
LLESSEPASTTMNLHPKQTQDARTSSSSSSSTSSSKSTRTKFGAAAHEVPSGP
NPISNR

>PtCLE39

MNIAVKIPQYSFSIIAWLFLF[LF]FFHGWCYFFLNSNNIIHNNNNVHVSPTLSNR
KMLVSNVDFTAISRHHQRHMPMHSDPTRGEIDPLYGVEKRLVPTGPNPLHH

>PtCLE40

MRTYSPLLPLLVFSTILLASLHSST^{CR}HVSWTTYEEKQQINTKYPLPFPQYDLP
GISHTVKSDDKVNNKLFGGSHKAVPGGPNPLHN

>PtCLE41

MKNKNSQLFLIFLMVFLVLVH^{GT}TCRDIKRSIGNGEIEQGSETKHSSTFLQARS
AIFKASESSNNKIKEVHSVSRRLVPSGPNPLHN

>PtCLE42

MFMSRSQVGCLLLVLLSISAFHHGVV^{GA}RNLKENVEAKEKTQNEKEGADSE
DINGYVANVNRVVPSCPDPIHNR

>PtCLE43

MANLKFWVCLVLLFLTAM^{SE}TRHLDQPYLGRKNLARILQELQEKSQVDV
RFIDDGDVARSPYESKRLSPGGPDPKHH

>PtCLE44

MKLFHLFLLLALLIFFSSTPRSSH^{AA}RRSFSAPSTSQQVFRSPFRASPFAERAKE
FESQKRKVPTGSNPLHNKR

>PtCLE45

MRIAYSPLLPLLVFSTIMLSLLHPST^{CR}HISRATYEEEQQLNTEFSLPLPQHLP
AHTVKFNKDDKVQKLYAASHKLVPGGPNPLHN

>PtCLE46

MGIGQCNLAALHIHCLFERQI^{QN}AFLNKNILLQSTNNKPTIFPSALKSIFLSINL
SGLYIPTVFIMRNKNPQLFLIFLIVFLVLVHGTTCRDTRKSTSNGETEQGSKTKH
SSMFLQALSSIFKASESSTNNIKALHTVSRRLVPCGPNPLHN

>PtCLE47

MGRGGRILRALLGAVIFWGVWFLYV^{GIL}PNHATTLMARIRVPAAGTFQHLKL
SGRESHLIRHMDLNYVSKRRVPNGDPPIHNRKTVQSRQPPGQS

>PtCLE48

MASRVASTSRAMILLMLVLFSAIFLTSE^{AR}LKGGQALQGNANNSRHLLLELG
FDLSKLEHYRRLSTLSVASDRLSPGGPDPHHH

>PtCLE49

MANIPTATRVLLVLLVFMMLMRFE^{API}HTLKELDKRLLLSKVLNAKSRME
FHGRMSISESATDRLSPEGPNHEHSHPPGPNP

>PtCLE50

MANLKLWVCLLLLFLTFSKSE^{TR}LLDQPYLGRKNPARMLQELNEKSKQLFED
DSDVTGSPYEPKRISPGGPDPKHH