

Group 1

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Group 3

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YNASDLKSYLSV
KKVLESV
PAAA
AFRLGGRK
MMIERTK
DMKEV
KKGE
SSGA
ASAV
HSV
GNLY
RKG
QGK
LREMSG
YNRPLGH
DSRK
NLHY
QGN
ESDS
MNS
ASTH
NL
KND
DQS
DDNG
SFQ
KIE
SEK
LV
DDM
TELF
TMM
NKDY
VGG
PGSG
SKPR
HKPP
INN
FQPL
HRSNP

>Solyc02g089300.2 114

MVSLGFNIQLV
LVIALL
LQP
QQHT
SANV
LFG
KLR
KEWL
KFT
SIEKD
HDS
HVD
GIV
ASAG
GIR
KMLV
YQFS
VKGD
AGFD
SKKT
SHMN
VQADI
KKHEIG
KKE
SKE
FVD
VEDE
ITKL
LTK
DYS
GRSK
P
RRSK
K
PPIN
NH
KPTD

Group 12

>AT3G02240 103

MEMKKWSYANLITLALLFLFFI
ILLAFQGGSR
DDDHQHV
VAIRT
KDIS
MGR
KL
KSL
KPI
NPT
KKNG
FEY
PDQ
GSHD
VQER
EVY
VEL
RDY
GQR
KY
KPP
VHN

>AT3G02242 98

MKKWSYAKLMTS
ALLVFLSI
ILLAFHGG
SRGD
NLYDH
VAIG
TKD
ILM
GRKL
KDL
KPKT
ESL
KMIN
PKK
NGFEY
SDQ
VSS
DLR
QE
VF
V
DMM
ARDY
QGP
K
PRSK
PLK
KNN

>AT5G15725 97

MKKTS
LKL
MTL
VLG
FCF
VIY
LLQ
GPR
GGS
RNG
DLI
ARK
LIS
LEPI
T
KNA
ARSL
KDS
ISTD

LEEEVDRLMEHEYPSPVKPRKRTPVHNGVRNRH

Group 13

>Glyma.13G102700 177

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>Glyma.17G056400 174

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ANEDSMTPPEYNNSNSYSPHDLVFHIDYHGVTTHPTPKHPKP

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MGSKPDFHHMMSSSIFLLCCFLTLSLYSISQHTSNTYSLGFTPARKLSMSAPGHDHKFHET
QVSDEAMESTPANADLTLEITGNSYSPHDLVYHTDYHGVTTHPTPKHPKP