

rsd.msfc MSF: 184 Type: P Check: 9999 ..

Name: 01790428	Len: 183	Check: 9999	Weight: 1.00
Name: 09951566	Len: 183	Check: 9999	Weight: 1.00
Name: 91074372	Len: 183	Check: 9999	Weight: 1.00
Name: 75236725	Len: 183	Check: 9999	Weight: 1.00
Name: 26111197	Len: 183	Check: 9999	Weight: 1.00
Name: 24054573	Len: 183	Check: 9999	Weight: 1.00
Name: 15834172	Len: 183	Check: 9999	Weight: 1.00
Name: 89110043	Len: 183	Check: 9999	Weight: 1.00
Name: 85676074	Len: 183	Check: 9999	Weight: 1.00
Name: 00396334	Len: 183	Check: 9999	Weight: 1.00
Name: 73857966	Len: 183	Check: 9999	Weight: 1.00
Name: 30042983	Len: 183	Check: 9999	Weight: 1.00
Name: 13364394	Len: 183	Check: 9999	Weight: 1.00
Name: 75514762	Len: 183	Check: 9999	Weight: 1.00
Name: 75255492	Len: 183	Check: 9999	Weight: 1.00
Name: 75238536	Len: 183	Check: 9999	Weight: 1.00
Name: 75228134	Len: 183	Check: 9999	Weight: 1.00
Name: 75208793	Len: 183	Check: 9999	Weight: 1.00
Name: 75197859	Len: 183	Check: 9999	Weight: 1.00
Name: 75188725	Len: 183	Check: 9999	Weight: 1.00
Name: 75179644	Len: 183	Check: 9999	Weight: 1.00
Name: 83584825	Len: 183	Check: 9999	Weight: 1.00
Name: 81247748	Len: 183	Check: 9999	Weight: 1.00
Name: 12518924	Len: 183	Check: 9999	Weight: 1.00
Name: 81242977	Len: 183	Check: 9999	Weight: 1.00
Name: 83569013	Len: 183	Check: 9999	Weight: 1.00
Name: 16422723	Len: 183	Check: 9999	Weight: 1.00
Name: 06960347	Len: 183	Check: 9999	Weight: 1.00
Name: 56130248	Len: 183	Check: 9999	Weight: 1.00
Name: 16762292	Len: 183	Check: 9999	Weight: 1.00
Name: 29139415	Len: 183	Check: 9999	Weight: 1.00
Name: 16504596	Len: 183	Check: 9999	Weight: 1.00
Name: 62130249	Len: 183	Check: 9999	Weight: 1.00
Name: 49609720	Len: 183	Check: 9999	Weight: 1.00
Name: 50119194	Len: 183	Check: 9999	Weight: 1.00
Name: 77957004	Len: 183	Check: 9999	Weight: 1.00
Name: 77960644	Len: 183	Check: 9999	Weight: 1.00
Name: 77976252	Len: 183	Check: 9999	Weight: 1.00
Name: 85058115	Len: 183	Check: 9999	Weight: 1.00
Name: 84778635	Len: 183	Check: 9999	Weight: 1.00
Name: 77972241	Len: 183	Check: 9999	Weight: 1.00
Name: 51587928	Len: 183	Check: 9999	Weight: 1.00
Name: 51594646	Len: 183	Check: 9999	Weight: 1.00
Name: 21957190	Len: 183	Check: 9999	Weight: 1.00
Name: 15981653	Len: 183	Check: 9999	Weight: 1.00
Name: 16123874	Len: 183	Check: 9999	Weight: 1.00

Name: 77631242 Len: 183 Check: 9999 Weight: 1.00
Name: 45437720 Len: 183 Check: 9999 Weight: 1.00
Name: 89103193 Len: 183 Check: 9999 Weight: 1.00
Name: 77633255 Len: 183 Check: 9999 Weight: 1.00
Name: 88816583 Len: 183 Check: 9999 Weight: 1.00
Name: 76876713 Len: 183 Check: 9999 Weight: 1.00
Name: 77361802 Len: 183 Check: 9999 Weight: 1.00
Name: 94426242 Len: 183 Check: 9999 Weight: 1.00
Name: 68516055 Len: 183 Check: 9999 Weight: 1.00
Name: 78361812 Len: 183 Check: 9999 Weight: 1.00
Name: 24345897 Len: 183 Check: 9999 Weight: 1.00
Name: 68519674 Len: 183 Check: 9999 Weight: 1.00
Name: 78511884 Len: 183 Check: 9999 Weight: 1.00
Name: 82405098 Len: 183 Check: 9999 Weight: 1.00
Name: 78504897 Len: 183 Check: 9999 Weight: 1.00
Name: 77869348 Len: 183 Check: 9999 Weight: 1.00
Name: 77811156 Len: 183 Check: 9999 Weight: 1.00
Name: 82718938 Len: 183 Check: 9999 Weight: 1.00
Name: 67087234 Len: 183 Check: 9999 Weight: 1.00
Name: 91713833 Len: 183 Check: 9999 Weight: 1.00
Name: 56180418 Len: 183 Check: 9999 Weight: 1.00
Name: 89048923 Len: 183 Check: 9999 Weight: 1.00
Name: 90437549 Len: 183 Check: 9999 Weight: 1.00
Name: 09654744 Len: 183 Check: 9999 Weight: 1.00
Name: 75829161 Len: 183 Check: 9999 Weight: 1.00
Name: 75828315 Len: 183 Check: 9999 Weight: 1.00
Name: 75821890 Len: 183 Check: 9999 Weight: 1.00
Name: 75818927 Len: 183 Check: 9999 Weight: 1.00
Name: 75814786 Len: 183 Check: 9999 Weight: 1.00
Name: 83637095 Len: 183 Check: 9999 Weight: 1.00
Name: 68347580 Len: 183 Check: 9999 Weight: 1.00
Name: 24981546 Len: 183 Check: 9999 Weight: 1.00
Name: 82715084 Len: 183 Check: 9999 Weight: 1.00
Name: 95108439 Len: 183 Check: 9999 Weight: 1.00
Name: 90332615 Len: 183 Check: 9999 Weight: 1.00
Name: 85694269 Len: 183 Check: 9999 Weight: 1.00
Name: 89952826 Len: 183 Check: 9999 Weight: 1.00
Name: 69166473 Len: 183 Check: 9999 Weight: 1.00
Name: 49080780 Len: 183 Check: 9999 Weight: 1.00
Name: 71556785 Len: 183 Check: 9999 Weight: 1.00
Name: 28850608 Len: 183 Check: 9999 Weight: 1.00
Name: 88772902 Len: 183 Check: 9999 Weight: 1.00
Name: 88776135 Len: 183 Check: 9999 Weight: 1.00
Name: 90311708 Len: 183 Check: 9999 Weight: 1.00
Name: 46914939 Len: 183 Check: 9999 Weight: 1.00
Name: 54310496 Len: 183 Check: 9999 Weight: 1.00
Name: 90325648 Len: 183 Check: 9999 Weight: 1.00
Name: 85834299 Len: 183 Check: 9999 Weight: 1.00

Name: 53759093 Len: 183 Check: 9999 Weight: 1.00
Name: 89081955 Len: 183 Check: 9999 Weight: 1.00
Name: 59481112 Len: 183 Check: 9999 Weight: 1.00
Name: 27360737 Len: 183 Check: 9999 Weight: 1.00
Name: 37681340 Len: 183 Check: 9999 Weight: 1.00
Name: 37200091 Len: 183 Check: 9999 Weight: 1.00
Name: 28807946 Len: 183 Check: 9999 Weight: 1.00
Name: 28899694 Len: 183 Check: 9999 Weight: 1.00
Name: 77385706 Len: 183 Check: 9999 Weight: 1.00
Name: 63254034 Len: 183 Check: 9999 Weight: 1.00
Name: 84376333 Len: 183 Check: 9999 Weight: 1.00
Name: 91187729 Len: 183 Check: 9999 Weight: 1.00
Name: 75854221 Len: 183 Check: 9999 Weight: 1.00
Name: 86164442 Len: 183 Check: 9999 Weight: 1.00
Name: 32044633 Len: 183 Check: 9999 Weight: 1.00
Name: 84324040 Len: 183 Check: 9999 Weight: 1.00
Name: 84317875 Len: 183 Check: 9999 Weight: 1.00
Name: 94417731 Len: 183 Check: 9999 Weight: 1.00
Name: 91797860 Len: 183 Check: 9999 Weight: 1.00

//

01790428 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
09951566 -----MLE SCRNAQERWG GVHQLIDRWL HERQQLVQAF DALSGIQ---
91074372 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
75236725 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
26111197 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
24054573 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
15834172 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
89110043 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
85676074 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
00396334 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
73857966 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
30042983 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
13364394 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
75514762 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
75255492 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
75238536 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
75228134 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
75208793 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
75197859 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
75188725 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
75179644 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
83584825 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
81247748 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
12518924 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK
81242977 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLGGIKPGK
83569013 -----MLN QLDNLTERVR GSNKLVDRWL HVRKHLLVAY YNLVGIKPGK

16422723	-----MLN	QLENLTERVG	GSNKLVDRAWL	DVRKHLLVAY	YNLVGIKPGK
06960347	-----MLN	QLENLTERVG	GSNKLVDRAWL	DVRKHLLVAY	YNLVGIKPGK
56130248	-----MLN	QLENLTERVG	GSNKLVDRAWL	DVRKHLLVAY	YNLVGIKPGK
16762292	-----MLN	QLENLMERVG	GSNKLVDRAWL	DVRKHLLVAY	YNLVGIKPGK
29139415	-----MLN	QLENLMERVG	GSNKLVDRAWL	DVRKHLLVAY	YNLVGIKPGK
16504596	-----MLN	QLENLMERVG	GSNKLVDRAWL	DVRKHLLVAY	YNLVGIKPGK
62130249	-----MLN	QLENLTERVG	GSNKLVDRAWL	DVRKHLLVAY	YNLVGIKPGK
49609720	-----MLN	QLQSLTEYVG	GNNALIDQWL	QARKQLLVAY	YHLVGIKPNK
50119194	-----MLN	QLQSLTEYVG	GNNALIDQWL	QARKQLLVAY	YHLVGIKPNK
77957004	-----MLN	RLESLTQRVG	GSNELIDQWL	HARKELLSY	CTVIGIKPRK
77960644	-----MLN	RLESLTQRVG	GSNELIDQWL	HARKELLSY	CTVIGIKPRK
77976252	-----MLN	RLESLTQRVG	GSNELIDQWL	HARKELLVAY	CAVIGIKPQK
85058115	-----MLN	QLENLAKCVG	GNNELIDQWL	QARKGLLVAY	YHLIGLKPNK
84778635	-----MLN	QLENLAKCVG	GNNELIDQWL	QARKGLLVAY	YHLIGLKPNK
77972241	---MESMLN	RLESLTQRVG	GSNELIDQWL	HARKELLSY	CAVIGIKPQK
51587928	-----MLN	RLESLTQRVG	GSNELIDQWL	HARKELLSY	CTVIGIKPQK
51594646	-----MLN	RLESLTQRVG	GSNELIDQWL	HARKELLSY	CTVIGIKPQK
21957190	-----MLN	RLESLTQRVG	GSNELIDQWL	HARKELLSY	CTVIGIKPQK
15981653	-----MLN	RLESLTQRVG	GSNELIDQWL	HARKELLSY	CTVIGIKPQK
16123874	-----MLN	RLESLTQRVG	GSNELIDQWL	HARKELLSY	CTVIGIKPQK
77631242	---MESFMLN	RLESLTQRVG	GSNELIDQWL	HARKELLSY	CTVIGIKPQK
45437720	---MESFMLN	RLESLTQRVG	GSNELIDQWL	HARKELLSY	CTVIGIKPQK
89103193	---MESFMLN	RLESLTQRVG	GSNELIDQWL	HARKELLSY	CTVIGIKPQK
77633255	---MESFMLN	RLESLTQRVG	GSNELIDQWL	HARKELLSY	CTVIGIKPQK
88816583	-----MLT	RLEKAQESWG	GSHSVIDSWL	EERQDLLVQY	CKLAGLPPYE
76876713	-----MLT	RVENAQQKWG	GSHTVIDKWL	NERQRLIVLY	CKLAGFSPSD
77361802	-----MLT	RVENAQQKWG	GSHTVIDKWL	NERQRLIVLY	CKLAGFSPSD
94426242	-----MLE	STKDAQERWG	GVHDLIDRWL	SERQNMVLVY	FAIRGLKPFPS
68516055	-----MLS	QLEKAEQRWG	GANKLIDQWL	ENRRNLLVHY	CQIAGLPPYE
78361812	-----MLK	QLERAEQKWG	GANTLIDQWL	NHRRKLLINY	CQIAGLPPYE
24345897	-----MLR	ELEKAEQKWG	GSNKLIDQWL	ENRRKLLVHY	CQIAGLPPYT
68519674	---MECIMLR	ELEKAEQKWG	GSNKLIDQWL	KNRRKLLVHY	CQIAGLPPYG
78511884	---MECIMLR	ELEKAEQKWG	GSNKLIDQWL	ENRRKLLVHY	CQIAGLPPYG
82405098	---MECIMLR	ELEKAEQKWG	GSNKLIDQWL	ENRRKLLVHY	CQIAGLPPYG
78504897	---MECIMLR	ELEKAEQKWG	GSNKLIDQWL	ENRRKLLVHY	CQIAGLPPYG
77869348	-----MLE	NCRNARERWG	GVSELIDRWL	KERQELLVQY	CELSGESDFS
77811156	---MECIMLR	KLEKAERKWG	GSNKLIDQWL	ENRRKLLVHY	CQIAGLPPYG
82718938	---MECIMLR	KLEKAERKWG	GSNKLIDQWL	ENRRKLLVHY	CQIAGLPPYG
67087234	-----MLE	IRQDAQERWD	GVHLLIDRWL	AERRDLLEAF	DSVVRQOT--
91713833	-----MLT	KLEHAEEKKWG	GSHKLIDQWL	NHRRMLLIQY	FKIAGLAPYT
56180418	-----MLS	RNEQAKKRWG	GAHKSIDLWL	SERQDLLVNY	FKLAALPPYE
89048923	-----MLS	KFEQVKKEWG	GHNDVIDQWL	MMRQQLLIDY	CKLAGLAPKE
90437549	-----MLS	KFEQVKKEWG	GHNDVIDQWL	MMRQQLLIDY	CKLAGLAPKE
09654744	-----MVMLR	KFKNVQEQWG	GSSDIIDHWL	DKRQHVIVEY	CKLAALQPCT
75829161	-----MVMLR	KFKNVQEQWG	GSSDIIDHWL	DKRQHVIVEY	CKLAALQPCT
75828315	-----MVMLR	KFKNVQEQWG	GSSDIIDHWL	DKRQHVIVEY	CKLAALQPCT
75821890	-----MVMLR	KFKNVQEQWG	GSSDIIDHWL	DKRQHVIVEY	CKLAALQPCT
75818927	-----MVMLR	KFKNVQEQWG	GSSDIIDHWL	DKRQHVIVEY	CKLAALQPCT

75814786	-----MVMLR	KFKNVQEQWG	GSSDIIDHWL	DKRQHVIVEY	CKLAALQPCT
83637095	-----MLE	NCQNAKERWG	GVSEIIDRWL	KERQDLIVRY	CDLVGKSKFD
68347580	-----MLE	SCQNAQERWG	GVHLLIDRWL	QERHELVRAY	DALGAEPE--
24981546	-----MLD	SCQNAQERWG	GVHKLIDRWL	EERQELVQAF	RALRDVRP--
82715084	-----MLD	SCQNAQERWG	GVHKLIDRWL	EERQELVQAF	RALRDVRP--
95108439	-----MLD	SCQNAQERWG	GVHKLIDRWL	EERQELVQAF	RALRDAKP--
90332615	-----MLK	DLQRLKQHWG	GVSDIVDRWL	EERRELLVKY	CDLIDIHDFD
85694269	-----MLK	KSEEARQRWG	GAHDSIDQWL	TERQDLLVNY	FKLAALPPYE
89952826	-----MLE	DCKSAQERWG	GVSEIIDRWL	QERQOMLVLY	CNLSEICDLP
69166473	-----MLT	KLEKAEKRWG	GSHNLIDQWL	NHRRKLLIQY	FIVAGLAPYS
49080780	-----MLE	SCRNAQERWG	GVHQLIDRWL	HERQQLVQAF	DALSGIQ---
71556785	-----MLE	SCQNAQERWG	GVNKLIDRWL	QSRLELVEAY	DALGDTPO--
28850608	-----MLE	SCQNAQERWG	GVNKLIDRWL	QSRLELIEAY	DALGDTPE--
88772902	-----MLQ	QLESVKSRWG	GKSQVVDRL	MDRQALLVSF	CELAGINKQ-
88776135	-----MLE	NCKTAQERWG	GTHEMIDRWL	ADRQOTLILY	FAIQDAE---
90311708	-----MLR	NIEKVKAEWG	GTLNVIDGWL	ANRQQLVVLY	CKLVGTSTEQ
46914939	-----MLS	KFEQVQQQWG	GTSDVIDHWL	VSRQQLLIDY	CKLAGLPPFE
54310496	-----MLS	KFEQVQQQWG	GTSDVIDHWL	VSRQQLLIDY	CKLAGLPPFE
90325648	-----MLS	KFEQVQQQWG	GTSDVIDHWL	VSRQQLLIDY	CKLAGLPPFE
85834299	-----MLN	KFKQIQEQWG	GSNEVIDHWL	ETRQSLIVEY	CKLGALQPAS
53759093	PMLHGGSMILT	ELEQTKRALA	GKHRAIDDWL	DARQALLVEY	MRLAGLKPTR
89081955	-----MLE	KCKNAKERWG	GVSEIIDSWL	EERQALISQF	VHLP-EHHIN
59481112	-----MLT	RLNQFQAQWG	GNSDVIDHWL	STRQDLLVEY	CKLAGLPPFD
27360737	-----MVMLK	KFKQTQEQWG	GSSEVIDHWL	ETRQSLIVEY	CKLAALQPCS
37681340	-----MVMLK	KFKQTQEQWG	GSSEVIDHWL	ETRQSLIVEY	CKLAALQPCS
37200091	-----MVMLK	KFKQTQEQWG	GSSEVIDHWL	ETRQSLIVEY	CKLAALQPCS
28807946	-----MVMLK	KFKQTQDQWG	GSSDVIDHWL	ETRQSLIVEY	CKLAALQPCS
28899694	-----MVMLK	KFKQTQDQWG	GSSDVIDHWL	ETRQSLIVEY	CKLAALQPCS
77385706	HKGREIAMLE	SCQNAQERWG	GVHLLIDRWL	QEREELIAAY	DRLGAKPO--
63254034	LKGREKTMLE	SCQNAQERWG	GVNKLIDRWL	QSRCLKVEAY	DALGDTPA--
84376333	-----MLN	KFKQIQEQWG	GSNEVIDHWL	ETRQSLIVEY	CKLAALQPSS
91187729	-----MVMLR	KFKQTQDQWG	GSSDVIDHWL	ETRQSLIVEY	CKLAALQPCS
75854221	-----MVMLK	KFKQTQDQWG	GSSDVIDHWL	ETRQSLIVEY	CKLAALQPCS
86164442	-----MLE	SCKSAQERWG	GVHDLIDRWL	NARQALIINF	VQLKER---G
32044633	-----	-----	-MHQLIDRWL	HERQQLVQAF	DALSGIQ---
84324040	-----	-----	-MHQLIDRWL	HERQQLVQAF	DALSGIQ---
84317875	-----	-----	-MHQLIDRWL	HERQQLVQAF	DALSGIQ---
94417731	-----	-----	-MHQLIDRWL	HERQQLVQAF	DALSGIQ---
91797860	-----MLE	DTKTALERWG	GVHTLIDRWL	EQRDMLVTL	VELQEACD-A
01790428	E-----SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
09951566	-A-----PAP	NAEELQHFCQ	LLLDYVSAGH	FEVYEQLTAE	GKAFGDQRGL
91074372	E-----SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
75236725	E-----SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
26111197	E-----SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
24054573	E-----SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
15834172	E-----SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
89110043	E-----SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL

85676074	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
00396334	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
73857966	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
30042983	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
13364394	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
75514762	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
75255492	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
75238536	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
75228134	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
75208793	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
75197859	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
75188725	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
75179644	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
83584825	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
81247748	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
12518924	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
81242977	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LES---NGQL
83569013	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
16422723	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
06960347	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
56130248	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
16762292	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
29139415	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
16504596	E----	SYMRL	NEKALDDFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
62130249	E----	SYMRL	NEKALDNFCQ	SLVDYLSAGH	FSIYERILHK	LEG---NGQL
49609720	E----	ALSL	DEEALDNFCQ	NLVDYLSTGH	FHLYEKMLHE	AATHS-EQVL
50119194	E----	ALSL	DEEALDNFCQ	NLVDYLSTGH	FHLYEKMLHE	AATHS-EQVL
77957004	E----	KHTPL	NEKALENFCH	NLVDYLSAGH	FHIYDRIKQ	VEGES-SPRM
77960644	E----	KHTPL	NEKALENFCH	NLVDYLSSGH	FHIYDRIKQ	VEGES-SPRM
77976252	E----	KHTPL	NEKALENFCH	NLVDYLSSGH	FHIYDRIKQ	VDGAS-SPKM
85058115	E----	KHTPL	DEEALDAFCH	QLVDYLSAGH	FLVYDSIV--	-----PEGE
84778635	E----	KHTPL	DEEALDAFCH	QLVDYLSAGH	FLVYDSIV--	-----PEGE
77972241	E----	KHTPL	NEKALENFCH	NLVDYLSSGH	FHIYDRIKQ	VEGAS-SPKM
51587928	E----	KHTPL	NAKTLENFCH	NLVDYLSSGH	FHIYDRIKE	VEGAS-SPKM
51594646	E----	KHTPL	NAKTLENFCH	NLVDYLSSGH	FHIYDRIKE	VEGAS-SPKM
21957190	E----	KHTPL	NAKTLENFCH	NLVDYLSSGH	FHLYDRIKE	VEGAS-SPKM
15981653	E----	KHTPL	NAKTLENFCH	NLVDYLSSGH	FHLYDRIKE	VEGAS-SPKM
16123874	E----	KHTPL	NAKTLENFCH	NLVDYLSSGH	FHLYDRIKE	VEGAS-SPKM
77631242	E----	KHTPL	NAKTLENFCH	NLVDYLSSGH	FHIYDRIKE	VEGAS-SPKM
45437720	E----	KHTPL	NAKTLENFCH	NLVDYLSSGH	FHLYDRIKE	VEGAS-SPKM
89103193	E----	KHTPL	NAKTLENFCH	NLVDYLSSGH	FHLYDRIKE	VEGAS-SPKM
77633255	E----	KHTPL	NAKTLENFCH	NLVDYLSSGH	FHLYDRIKE	VEGAS-SPKM
88816583	---	RNDQALP	AKAAIISFCE	ILVDYLSAGH	FEIYDDIVKA	CQEKG-POSL
76876713	---	KKDHALP	EPQQIETFCQ	ILMDYLSAGH	FEIYDDIAKA	CESKG-PESQ
77361802	---	KKDHALP	EPQQIETFCQ	ILMDYLSAGH	FEIYDDIAKA	CESKG-PESQ
94426242	PR----	ETP	LSVKVEAFCQ	VLMDYLSAGH	FEIYEKLLLE	AQEYD-DGGI
68516055	---	DRAR-LP	SFDHVKAFCQ	LLVDYVSEGH	FEIYNKVSA	CETNG-KSSQ
78361812	---	AIDKSLP	AFKSVKEFCQ	LLVDYVSEGH	FEVYDRVTA	CEKNG-ESSQ

24345897	---	NAEKSLP	SFEHVKSFC	LLVDYVSEGH	FEVYDQVINA	CEKFG-APCK
68519674	---	KSEKSLP	SFEHVKSFC	LLVDYVSEGH	FEVYDRVVNA	CSEYG-ESSK
78511884	---	KAEKSLP	SFDHVKSFC	LLVDYVSEGH	FEVYDQVVNA	CEKFG-ATSK
82405098	---	KAEKSLP	SFDHVKSFC	LLVDYVSEGH	FEVYDQVVNA	CEKFG-ATSK
78504897	---	KAEKSLP	SFDHVKSFC	LLVDYVSEGH	FEVYDQVVNA	CEKFG-ASSK
77869348	-Q-----	TDA	LREKFVRLCE	VLVDYVSAGH	FEVYEQLIQE	AREFN-DGGL
77811156	---	KSEKSLP	SLEHVKSFC	LLVDYVSEGH	FEVYDQVVTA	CEKFG-ASSK
82718938	---	KSEKSLP	SLEHVKSFC	LLVDYVSEGH	FEVYDQVVTA	CEKFG-ASSK
67087234	-I-----	PAA	SAEALQVFC	LLVDYVSAGH	FEVYEQLMGE	AESFGDRRGL
91713833	---	RPDKKLP	PFQTVKNFCA	QLVDYVSEGH	FEVYDQVVTA	CEEFG-ESSR
56180418	---	SIRGLP	DVTDIRNFCG	QLVDYVSSGH	FEIYDQIVRE	ASSQG-NSVD
89048923	--	EANR-QLP	TASQLSLFSE	ALVDYISAGH	FKIYDNVMER	WHQTG-YSPT
90437549	--	EANR-QLP	TASQLSLFSE	ALVDYISAGH	FKIYDNVMER	WHQTG-YSPT
09654744	TKAAVS-ELP	SPQALLYFCQ	ELVDYISEGH	FKIYDMVMDK	WHATG-FKAT	
75829161	TKAAVS-ELP	SPQALLYFCQ	ELVDYISEGH	FKIYDMVMDK	WHATG-FKAT	
75828315	TKAAVS-ELP	SPQALLYFCQ	ELVDYISEGH	FKIYDMVMDK	WHATG-FKAT	
75821890	TKAAVS-ELP	SPQALLYFCQ	ELVDYISEGH	FKIYDMVMDK	WHATG-FKAT	
75818927	TKAAVS-ELP	SPQALLYFCQ	ELVDYISEGH	FKIYDMVMDK	WHATG-FKAT	
75814786	TKAAVS-ELP	SPQALLYFCQ	ELVDYISEGH	FKIYDMVMDK	WHATG-FKAT	
83637095	-D-----	VES	AVKNFKTFCQ	VLLDYVSAGH	FEVYEQLIEE	AREFN-DGGM
68347580	-A-----	LSE	SKKPLQEF	ILVDYVSAGH	FEIYEQLTSE	AKAFGDKRGL
24981546	-A-----	FA-	DKDTNGDFCA	LLVDYVSAWH	FEVCEQLVSE	AKAFGDKKAL
82715084	-A-----	FA-	DKDTNGDFCA	LLVDYVSAWH	FEVCEQLVSE	AKAFGDKKAL
95108439	-A-----	FA-	DKDKNRDFCA	LLVDYVSAWH	FEVSEQLVSE	AKAFGDTKAL
90332615	SA-----	NRA	HGDKLKSFC	VMVDYVSVGH	FEVYEQLAKE	AEAFSDSEGL
85694269	---	GVRNGLP	DVTDIRDFCG	QLVDYVSSGH	FEIYEQLMKQ	ARENK-QPLE
89952826	-D-----	HPE	RAAQVKTLC	IVVDYVSAGH	FEIYNQLLQ	GEEFEDQOGL
69166473	---	RSEKSLP	SMDQVKQFCA	QLVDYVSEGH	FEVYDNVKA	CEKFG-ETSI
49080780	-A-----	PAP	NAEELQHFCQ	LLLDYVSAGH	FGVYEQLTAE	GKAFGDQRGL
71556785	-A-----	LAA	DREGLQNF	VLVDYVSAGH	FEVYEQLGDE	ARAFNDERGL
28850608	-A-----	LAA	DREGLQNF	ILVDYVSAGH	FEVYEQLGDE	ARAFNDERGL
88772902	-----	SESLP	DADEIANFCS	ALLDYLSAGH	FEVFDILVED	-----DDEGL
88776135	GR-----	E-A	VSTQLQAF	HLVDYVSEGH	FEIYEQLFRE	AKEY-DDGGM
90311708	---	QKKQELP	SQKEITNFCQ	TLLDYTSTGH	FGIYEQIILQ	CKLDG-EQNL
46914939	--	SNTR-QLP	TSSQLQLFCQ	QVVDYISAGH	FKIYDMVMEK	WNTAG-YSPT
54310496	--	SNTR-QLP	TSSQLQLFCQ	QVVDYISAGH	FKIYDMVMEK	WNTAG-YSPT
90325648	--	SNTR-QLP	TSSQLQLFCQ	QVVDYISAGH	FKIYDMVMEK	WNTAG-YSPT
85834299	NGQSNVVELP	SPKEISSFC	HVVDYISEGH	FKIYDMVMKK	WQATG-FKTN	
53759093	NSK--	QRSLP	GHVELQSF	QLVDYVSAGH	FEIYHHVVTA	FEQAS-GDKL
89081955	-----	DE	LNTKVQSF	VLMDYLSSGH	FEVYEQLLRE	GSDFD-DGSL
59481112	--	SSVS-TLP	DFASIQSFTQ	HLIDYISEGH	FKIYNMVMK	WDATG-FSPT
27360737	TKSNVL-ELP	SPHELOQFCQ	HLVDYISEGH	FKIYDMVMDK	WRATG-FEAT	
37681340	TKSNVL-ELP	SPHELOQFCQ	HLVDYISEGH	FKIYDMVMDK	WRATG-FEAT	
37200091	TKSNVL-ELP	SPHELOQFCQ	HLVDYISEGH	FKIYDMVMDK	WRATG-FEAT	
28807946	-KSNVL-ELP	SPSELQNF	HLVDYISEGH	FKIYDMVMDK	WKATG-FVAT	
28899694	-KSNVL-ELP	SPSELQNF	HLVDYISEGH	FKIYDMVMDK	WKATG-FVAT	
77385706	-A-----	LSE	DRKPLQEF	VLVDYVSAGH	FEIYEQLTGE	AKAFNDKRGL
63254034	-A-----	LAA	DREGLQNF	ILVDYVSAGH	FEVYEQLGDE	ARAFNDKRGL

84376333 SKATAITELP SPEELQKFSQ HLVDYISEGH FKIYDMVMDK WQSTG-FKAT
91187729 -KTNVI-ELP SPSELQDFCQ HLVDYISEGH FKIYDMVMDR WKATG-FVVT
75854221 -KTNVI-ELP SPSELQDFCQ HLVDYISEGH FKIYDMVMDR WKATG-FVVT
86164442 EF-----TPL DTNNIQKVCE QLIDYVSTGH FEIYEQLAKE AEAFNDGAL
32044633 -A-----PAP NAEELQHFCQ LLLDYVSAGH FEVYEQLTAE GKAFGDQRGL
84324040 -A-----PAP NAEELQHFCQ LLLDYVSAGH FEVYEQLTAE GKAFGDQRGL
84317875 -A-----PAP NAEELQHFCQ LLLDYVSAGH FEVYEQLTAE GKAFGDQRGL
94417731 -A-----PAP NAEELQHFCQ LLLDYVSAGH FEVYEQLTAE GKAFGDQRGL
91797860 EL-----ETV TKERIDAFSE TLMDYISGGH FEIYPQLRDE AVAFDDQREAL

01790428 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
09951566 ELAKQIFPRL EAITESALNF NDRCDNGDCR ---EGACLIA ELKVLRRQLH
91074372 ARAAKIWPQL EANTQOIMDD YDSSLETAID HD-NYLEFQQ VLSDIGEAL
75236725 ARAAKIWPQL EANTQOIMDD YDSSLETAID HD-NYLEFQQ VLSDIGEAL
26111197 ARAAKIWPQL EANTQOIMDD YDSSLETAID HD-NYLEFQQ VLSDIGEAL
24054573 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
15834172 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
89110043 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
85676074 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
00396334 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
73857966 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
30042983 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
13364394 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
75514762 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
75255492 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
75238536 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
75228134 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
75208793 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
75197859 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
75188725 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
75179644 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
83584825 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
81247748 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQK VLSDIGEAL
12518924 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
81242977 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
83569013 ARAAKIWPQL EANTQOIMDY YDSSLETAID HD-NYLEFQQ VLSDIGEAL
16422723 LHAAKIWPLL EDNTQRIMDY YDTSLETAID HD-NCLEFQQ ALSDIGEAL
06960347 LHAAKIWPLL EDNTQRIMDY YDTSLETAID HD-NCLEFQQ ALSDIGEAL
56130248 LHAAKIWPLL EDNTQRIMDY YDTSLETAID HD-NRLEFQQ ALSDIGEAL
16762292 LHAAKIWPLL EDNTQRIMDY YDTSLETAID HD-NCLEFQQ ALSDIGEAL
29139415 LHAAKIWPLL EDNTQRIMDY YDTSLETAID HD-NCLEFQQ ALSDIGEAL
16504596 LHAAKIWPLL EDNTQRIMDY YDTSLETAID HD-NCLEFQQ ALSDIGEAL
62130249 LHAAKIWPLL EDNTQRIMDY YDTSLETAID HD-NCLEFQQ ALSDIGEAL
49609720 ALSTQLDFAL QNNTQOIMTF YDSHLAAID HD-NCIEFQQ ALSSVGEAL
50119194 ALSTQLDFAL QNNTQOIMTF YDSHLAAID HD-NCIEFQQ ALSSVGEAL
77957004 ALTTKVYPAL KNNTQTIMLF HDRYTNIEID DDDSCTEFQQ ALSDIGEALD
77960644 ALTTKVYPAL KNNTQTIMSF HDRYTNIEID DD-SCAEFQQ ALSDIGEALD
77976252 ALTTKVYPAL KNNTQTIMAF HDRYTNIEID QD-SCIEFQQ ALSDIGEALD

85058115	SSSTLTYSGL	QENTQOIMAL	YDSHLENAID	HD-NYLSFQE	ALSGVGEALA
84778635	SSSTLTYSGL	QENTQOIMAL	YDSHLENAID	HD-NYLSFQE	ALSGVGEALA
77972241	ALTTKVYPAL	KNNTQTIMAF	HDRYTNIEID	QD-SCTEFQQ	ALSDIGEALD
51587928	ALTAKIHPAL	KNNTQTIMAF	HDRYTNIEID	DD-SCTEYQQ	ALSDIGEALD
51594646	ALTAKIHPAL	KNNTQTIMAF	HDRYTNIEID	DD-SCTEYQQ	ALSDIGEALD
21957190	ALTAKIHPAL	KNNTQTIMAF	HDCYTNIEID	DD-SCTEYQQ	ALSDIGEALD
15981653	ALTAKIHPAL	KNNTQTIMAF	HDCYTNIEID	DD-SCTEYQQ	ALSDIGEALD
16123874	ALTAKIHPAL	KNNTQTIMAF	HDCYTNIEID	DD-SCTEYQQ	ALSDIGEALD
77631242	ALTAKIHPAL	KNNTQTIMAF	HDRYTNIEID	DD-SCTEYQQ	ALSDIGEALD
45437720	ALTAKIHPAL	KNNTQTIMAF	HDCYTNIEID	DD-SCTEYQQ	ALSDIGEALD
89103193	ALTAKIHPAL	KNNTQTIMAF	HDCYTNIEID	DD-SCTEYQQ	ALSDIGEALD
77633255	ALTAKIHPAL	KNNTQTIMAF	HDCYTNIEID	DD-SCTEYQQ	ALSDIGEALD
88816583	ALAKELYPKI	ASSTDMALNF	NDQYAESADD	NL--LETFDK	DLSELGEILE
76876713	LLANAIYPKI	TDTTDIALDF	NDKYAEVDKE	DL--LVGFDN	DLSVLGEALE
77361802	LLANAIYPKI	TDTTDIALDF	NDKYAEVDKE	DL--LVGFDN	DLSVLGEALE
94426242	DLARKHYPRL	EQITERCVFV	NDKYDNAEHC	-LEQLSDLPK	DLSEIGELLE
68516055	DIAKNLLPKI	HNTTDMALDF	NDKYTGVDDE	NV--LMQLDE	DLSHLGDAME
78361812	ALAQTIVPKI	SETTDMALDF	NDKYTSASDD	KI--LYQLDK	DLSSLGDAME
24345897	AAIQQVLPKI	TPTTNAALDF	NDKYAETQDD	QV--LYQLDK	DLSELAHTME
68519674	TLAQQVLPKI	TPTTNAALDF	NDKYAETQDD	LV--LYQLDK	DLSELAHNME
78511884	TLAQQVLPKI	TPTTNAALDF	NDKYAEAQDD	QV--LYQLDK	DLSELAHTME
82405098	TLAQQVLPKI	TPTTNAALDF	NDKYAEAQDD	QV--LYQLDK	DLSELAHTME
78504897	TLAQQVLPKI	TPTTNAALDF	NDKYAEAQDD	QV--LYQLDK	DLSELAHTME
77869348	ELAAKLYPRI	EQTTEVALNF	NDRLDGRELS	EV-DVKELFN	ELSRGGEVLE
77811156	TLAQQVLPKI	TPTTSAALDF	NDKYAEAQDD	HV--LYQLDK	DLSDLAHTME
82718938	TLAQQVLPKI	TPTTSAALDF	NDKYAEAQDD	HV--LYQLDK	DLSDLAHTME
67087234	GLARQIYPRL	EAITQAALAF	NDRLDNGDCL	----DGSLSR	EIEALGGLLR
91713833	AVAQALLPKI	SDTTDMALDF	NDKYTEADDE	QV--LYQLDK	DLSKLAQSME
56180418	DLADELFPLI	SDTTEIALDF	NDKYGEISST	DH--CETFDN	DLSALGEALE
89048923	EEISTLYAKI	TSTTDPLLNF	NDKYSEVKKD	DL--LEQFDE	DLSQVGELME
90437549	EEISTLYAKI	TLTTDPLLNF	NDKYSEVKQD	DL--LESFDE	DLSQVGELME
09654744	DEINQVYGKI	VATTEPLLNF	NDQYATVTEY	DE--LLDLDR	DLSKVGEVLE
75829161	DEINQVYGKI	VATTEPLLNF	NDQYATVTEY	DE--LLDLDR	DLSKVGEVLE
75828315	DEINQVYGKI	VATTEPLLNF	NDQYATVTEY	DE--LLDLDR	DLSKVGEVLE
75821890	DEINQVYGKI	VATTEPLLNF	NDQYATVTEY	DE--LLDLDR	DLSKVGEVLE
75818927	DEINQVYGKI	VATTEPLLNF	NDQYATVTEY	DE--LLDLDR	DLSKVGEVLE
75814786	DEINQVYGKI	VATTEPLLNF	NDQYATVTEY	DE--LLDLDR	DLSKVGEVLE
83637095	ELVKELYPKI	QSTTEAALDY	NDRFDKTPEE	-LSELNALLP	ELSRGGERLE
68347580	ELADTLYPRI	DVITEKLLAF	NDLCDAGQC-	-----VAQ	KFKELGGLLH
24981546	KLAEEinPRI	NDSTQIALAF	NDHCTKGECK	D---TERFAE	KLAKLGGLLH
82715084	KLAEEinPRI	NDSTQIALAF	NDHCTKGECK	D---TERFAE	KLAKLGGLLH
95108439	ELATQINPRI	DDSTQIALAF	NDHCEKGECK	D---PERFAD	KLKLGGLLR
90332615	KTGADLVEKI	QPSTEAVLDF	NDKYLETDDL	-----DTLAA	DLSFIGEVLE
85694269	ALLEQVFPLI	SDTTEIALDF	NDNYGEIDSN	--NHLNQFDR	DLSALGEAIE
89952826	KQAGELFKII	DSSTEVALDF	NDKYLETDD-	----LETINQ	DLSHLGESLV
69166473	ETANALLPLI	SESTDAALDF	NDKYTDASDE	--QVLYQLDN	DLSHLAQAME
49080780	ELAKQIFPRL	EAITESALNF	NDRCDNGDCR	E---GACLIA	ELKVLRQQLH
71556785	ELADTIYPRL	DVITKFALTF	NDRCDKGDCS	D---ATVVAK	EFNQLGQLLH

28850608	ELADTIYPRL	DVITKFALTF	NDRCDKGDCS	D---AAVVAK	EFNQLGQLLH
88772902	DLKDKLYPKL	TKTTDAALAF	NDTFAQAVTP	E--QAAGFDA	ALAQLGETLE
88776135	DLAKQLYPRL	EELTQVMLDF	NDKYISSDHV	-VMNIDDLHE	DLSSLGKMT
90311708	KIAQELYSRI	TTTTDTALNF	NDKYAENATE	--IALLDFFD	DLSELGQKME
46914939	EDISLLYASI	TQTDPILNF	TDRYS DIAEE	--NTLTDLDK	DLSSIGELLE
54310496	EDISLLYASI	TQTDPILNF	TDRYS DIAEE	--NTLTDLDK	DLSSIGELLE
90325648	EDISLLYASI	TQTDPILNF	TDRYS DIAEE	--NTLIDLK	DLSSIGELLE
85834299	DEIDTTYAKI	VLTTPELLEF	NDKYVKVSAD	DE--LPNFEG	DMSKVGELLE
53759093	ELAKRIYPHI	RACTEFALEF	NDKYSNADEA	---QMLLLDE	DLNQLGPVLE
89081955	EEGQSILPKI	QISTDVALDF	NDDFSNLLDP	TVQQIREFSE	RLSKLGEALE
59481112	EEMSQLYAHI	TKTTDPILNF	TDKYSKDDEE	LL--LSDFDN	DFSTLGEIIE
27360737	TEINETYAKI	VLTTPELLSF	TDMYASVGED	DP--LESFEP	DLSKVGEIIE
37681340	TEINETYAKI	VLTTPELLSF	TDMYASVGED	DP--LESFEP	DLSKVGEIIE
37200091	TEINETYAKI	VLTTPELLSF	TDMYASVGED	DP--LESFEP	DLSKVGEIIE
28807946	NEINQTYGKI	VLTTPELLNF	TDKYS DVTED	DE--LEDFDS	DMSLIGEIIE
28899694	NEINQTYGKI	VLTTPELLNF	TDKYS DVTED	DE--LEDFDS	DMSLIGEIIE
77385706	ELAETIYPRI	DVITEKLLAF	NDLCDEGKC-	-----VAE	KFKELGGLLH
63254034	ELADTIYPRL	DFITKFALTF	NDRCDKGDCS	D---ATAVAR	EFNQLGQLLH
84376333	DEINQSYGHI	VLTTDPLLNF	TDKYAAIEAS	DT--LESFDS	ELSLVGEILE
91187729	NEINQTYGQI	VLTTPELLNF	NDKYSEVTE	DE--LNDFDS	DMCLIGEILE
75854221	NEINQTYGQI	VLTTPELLNF	NDKYSEVTE	DE--LDDFDS	DMCLIGEILE
86164442	LLLKNLLPEI	QKNTEVIEEF	NDKFDTKDHC	-NDQLGSLPF	SLQALGLVLA
32044633	ELAKQIFPRL	EAITESALNF	NDRCDNGDCR	---EGACLIA	ELKVLRQQLH
84324040	ELAKQIFPRL	EAITESALNF	NDRCDNGDCR	---EGACLIA	ELKVLRQQLH
84317875	ELAKQIFPRL	EAITESALNF	NDRCDNGDCR	---EGACLIA	ELKVLRQQLH
94417731	ELAKQIFPRL	EAITESALNF	NDRCDNGDCR	---EGACLIA	ELKSLRQQLH
91797860	ALADHLLARL	EMSTQMVLEF	DNDYSTPVRC	-QHYAARLPA	WLERLTKGLT

01790428	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
09951566	ERFELEDCLI	EVLHNAHSQS	GAEGSAVPV-	----
91074372	ARFVLEDKLI	LLVLDA----	ARVKYPA---	----
75236725	ARFVLEDKLI	LLVLDA----	ARVKYPA---	----
26111197	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
24054573	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
15834172	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
89110043	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
85676074	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
00396334	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
73857966	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
30042983	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
13364394	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
75514762	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
75255492	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
75238536	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
75228134	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
75208793	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
75197859	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
75188725	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----

75179644	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
83584825	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
81247748	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
12518924	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
81242977	ARFVLEDKLI	LLVLDA----	ARVKHPA---	----
83569013	ARFVLEDKLI	LLVLEF----	CAVNA-----	----
16422723	ARFVLEDKLI	MLVFDAMHDG	ARVKRPA---	----
06960347	ARFVLEDKLI	MLVFDAMHDG	ARVKRPA---	----
56130248	ARFVLEDKLI	MLVFDAMHDG	ARVKRPA---	----
16762292	ARFVLEDKLI	MLVFDAMHDG	ARVKRPA---	----
29139415	ARFVLEDKLI	MLVFDAMHDG	ARVKRPA---	----
16504596	ARFVLEDKLI	MLVFDAMHDG	ARVKRPA---	----
62130249	ARFVLEDKLI	MLVFDAMHDG	ARVKRPA---	----
49609720	ERFTLEDNMI	KQVYDN----	-----	----
50119194	ERFTLEDNMI	KQVYDN----	-----	----
77957004	ARFQLEDQLI	KWAAESWQTA	QPE--NRKSQ	AN-
77960644	ARFQLEDQLI	KWAAESWQAA	QPE--NKKSQ	AN-
77976252	ARFRLEDQLI	QWAAESWQAA	QPE--NKKSQ	AN-
85058115	TRFVLEDKLI	QQAME-----	-----	----
84778635	TRFVLEDKLI	QQAME-----	-----	----
77972241	ARFRLEDQLI	QWAAESWQAA	QSI--DLQTK	AN-
51587928	ARFKLEDQLI	QWAAESWQAA	QLADADKKSQ	VN-
51594646	ARFKLEDQLI	QWAAESWQAA	QLADADKKSQ	VN-
21957190	ARFRLEDQLI	QWAAESWQAA	QLADADKKSQ	VN-
15981653	ARFRLEDQLI	QWAAESWQAA	QLADADKKSQ	VN-
16123874	ARFRLEDQLI	QWAAESWQAA	QLADADKKSQ	VN-
77631242	ARFKLEDQLI	QWAAESWQAA	QLADADKKSQ	VN-
45437720	ARFRLEDQLI	QWAAESWQAA	QLADADKKSQ	VN-
89103193	ARFRLEDQLI	QWAAESWQAA	QLADADKKSQ	VN-
77633255	ARFRLEDQLI	QWAAESWQAA	QLADADKKSQ	VN-
88816583	QRFYEDEL	DNLYSNHLDK	-----	----
76876713	ARFALEDELI	DNLFANHTD-	-----	----
77361802	ARFALEDELI	DNLFANHTD-	-----	----
94426242	ERFELEDELI	ENLHNVHKQT	PA-----	----
68516055	TRFQLEDQLL	EVLHSHKHS--	-----	----
78361812	TRFQLEDQLL	EVLHSHKYS-	-----	----
24345897	TRFELEDKLL	EVLHSHKYS-	AQQA-----	----
68519674	TRFELEDELL	EVLHRKHSEH	TQ-----	----
78511884	TRFELEDKLL	EVLHNQYSEH	AQQA-----	----
82405098	TRFELEDKLL	EVLHNQYSEH	AQQA-----	----
78504897	TRFELEDKLL	EVLHNQYSEH	AQQA-----	----
77869348	SRFEMEDFLI	ENLHNAHAGK	VASA-----	----
77811156	TRFELEDELL	EVLYNKHSEQ	TQQV-----	----
82718938	TRFELEDELL	EVLYNKHSEQ	TQQV-----	----
67087234	ERFELEDCLI	EVLNNAHWQI	AASA-----	----
91713833	TRFELEDELL	EILHSRHS--	-----	----
56180418	LRMEFEDKLL	NHLDEHNLIT	A-----	----
89048923	LRFALEDKLI	ELISDSLSCP	PGA-----	----

90437549	LRFALEDKLI	ELISDSLSCP	PGA-----	----
09654744	LRFSLEDQLI	QLIADSLAVP	PGA-----	----
75829161	LRFSLEDQLI	QLIADSLAVP	PGA-----	----
75828315	LRFSLEDQLI	QLIADSLAVP	PGA-----	----
75821890	LRFSLEDQLI	QLIADSLAVP	PGA-----	----
75818927	LRFSLEDQLI	QLIADSLAVP	PGA-----	----
75814786	LRFSLEDQLI	QLIADSLAVP	PGA-----	----
83637095	ERFELEDMLI	EKLHNAHADQ	VA-----	----
68347580	ERFELEDCLI	EVLHNAHKQE	AVAQA-----	----
24981546	ERFELEDCLI	EVLHNAHKEE	GAVQA-----	----
82715084	ERFELEDCLI	EVLHNAHKEE	GAVQA-----	----
95108439	ERFELEDCLI	EVLHTAHKEE	DALQA-----	----
90332615	QRFESDKMI	EVLHNDHLEQ	LQKAS-----	----
85694269	LRMEFEDQLL	HHLEKHEAL-	-----	----
89952826	SRFEAEDKMI	EVLHVSHKDQ	VA-----	----
69166473	SRFELEDQLL	ELLYQRLP--	-----	----
49080780	ERFELEDCLI	EVLHNAHSQS	GAEGSAVPVG	---
71556785	ERFELEDCLI	EVLHNSHKEE	IAAQV-----	----
28850608	ERFELEDCLI	EVLHTSHKEE	VAAQV-----	----
88772902	ERFALEDELI	AHVHTNKRDP	EVTL-----	----
88776135	ERFDMEDQLI	ERLHNHQQQA	AESR-----	----
90311708	ERFEREDQLL	EVLMLHNTLV	-----	----
46914939	LRFGLEDCLI	ELISESLACP	PGA-----	----
54310496	LRFGLEDCLI	ELISESLACP	PGA-----	----
90325648	LRFGLEDNLI	ELISESLACP	PGA-----	----
85834299	VRFEVEDNLI	QLIADSLAIP	PGA-----	----
53759093	DRFKQEDRLI	KALQVVESLS	AQQV-----	----
89081955	ERFELEDQMI	AVLHTSHKEL	VEG-----	----
59481112	ARFELEDGLI	EQISSSLAHP	PGA-----	----
27360737	LRFEVEDHLI	QLIADSLSVP	PGA-----	----
37681340	LRFEVEDHLI	QLIADSLSVP	PGA-----	----
37200091	LRFEVEDHLI	QLIADSLSVP	PGA-----	----
28807946	TRFEVEDHLI	QLIADSLAMP	PGA-----	----
28899694	TRFEVEDHLI	QLIADSLAMP	PGA-----	----
77385706	ERFELEDCLI	EVLHTAHKEE	DSVQA-----	----
63254034	ERFELEDCLI	EVLHNSHKEE	IAAQV-----	----
84376333	ARFAVEDQLI	QQIADSLAVP	PGA-----	----
91187729	TRFEVEDYLI	QQIAESLSMP	PGA-----	----
75854221	TRFEVEDYLI	QQIAESLSMP	PGA-----	----
86164442	ERFSFEDKLI	EELHEAHSEK	SA-----	----
32044633	ERFELEDCLI	EVLHNAHSQS	GAEGSAVPV-	---
84324040	ERFELEDCLI	EVLHNAHSQS	GAEGSAVPV-	---
84317875	ERFELEDCLI	EVLHNAHSQS	GAEGSAVPV-	---
94417731	ERFELEDCLI	EVLHTAHSQS	DAEGSAVPV-	---
91797860	ERFALEDQLI	ARLHAAHAPS	HASEAASAPR	ALS