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SKV\*

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RMY\*

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RMY\*

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SKYTPAIDIWSVGCIFAEMLTGKPLFPGKNVVHQLDLMTDLLGTPSAESLSKIRNEKARR

YLSNMRKKPKVPLTKKFPGIDPMALHLLERLLAFDPKDRPSADEALTDPYFTGLANSERE

PITQPISKLEFEFEKRKLAKDDVRELIYREILEYHPHMLQEYLRGGGDQMSFMFPSGVDR

FKRQFAHLEEGGAKGEKSSPQLRQNASLPRERVIGNKHGDGDYNMKLNVGEKPELASVSD

GISKPLMSARSLLKSETMSASKCIGEIKNKDEDSLSECVEGTDDDVSQKIAQLKT\*

>Bd1-1MPK21-2 Brdisv1Bd1-11017707m.p

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QFFFYQLLRGMKYIHAANVFHRDLKPRNILANADCKLKICDFGLARVSFNDTPSAIFWTD

YVATRWYRAPELCGSFFSKYTPAIDIWSIGCIFAEMLSGRPLFPGKNVVHQLDLMTDLLG

TPSAESLSRIRNEKARRYLGNMRKKHPVPFSQKFPGVDPMALDLLERLLAFDPKDRPTAA

EALADPYFTGLANSDREPTTQPISKLEFEFERRKLARDDVRELIYREILEYHPQMLHEYH

HGGDQANFVYPSGVDRFKRQFVHLEEGVTKGEKTSPQLRQHASLPRERIIGIGDELGRPN

ADYCIKLHVGEEPGHTSVTDGLSKPLLNARNFLKSESISASQCVVIKEKREKDVSAVTSN

IF\*

>BdMPK3 Bradi1g65810.1|feature=AA|genome=B. distachyon|accession=Bd21-1|len=370

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>BdMPK4 Bradi3g32000.1|feature=AA|genome=B. distachyon|accession=Bd21-1|len=376

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>BdMPK6 Bradi1g49100.1|feature=AA|genome=B. distachyon|accession=Bd21-1|len=392

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>BdMPK7-1 Bradi1g34030.1|feature=AA|genome=B. distachyon|accession=Bd21-1|len=414

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>BdMPK7-2 Bradi4g24914

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>BdMPK11 Bradi3g16560.1 I1I1F8|I1I1F8\_BRADI MPK11 OS=Brachypodium distachyon GN=BRADI3G16560 PE=2 SV=1

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>BdMPK14 Bradi3g03780.1|feature=AA|genome=B. distachyon|accession=Bd21-1|len=370

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>BdMPK16 Bradi2g36470.1|feature=AA|genome=B. distachyon|accession=Bd21-1|len=545

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>BdMPK17 Bradi1g34700.1|feature=AA|genome=B. distachyon|accession=Bd21-1|len=582

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>BdMPK20-1 Bradi2g44350.1|feature=AA|genome=B. distachyon|accession=Bd21-1|len=616

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>BdMPK20-2 Bradi2g15317.1|feature=AA|genome=B. distachyon|accession=Bd21-1|len=598

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>BdMPK20-3 Bradi1g41780.1|feature=AA|genome=B. distachyon|accession=Bd21-1|len=422

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>BdMPK20-4 Bradi2g45870.1|feature=AA|genome=B. distachyon|accession=Bd21-1|len=581

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>BdMPK20-5 Bradi2g16337.1|feature=AA|genome=B. distachyon|accession=Bd21-1|len=582

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>BdMPK21-1 Bradi2g15620.1|feature=AA|genome=B. distachyon|accession=Bd21-1|len=596

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>BdMPK21-2 Bradi2g45006

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FEFERRKLARDDVRELIYREILEYHPQMLHEYHHGGDQANFVYPSGVDRFKRQFVHLEEGVTKGEKTSPQLRQHASLPRERIIGIGDELGRPNADYCIKL

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LELNPNFRY\*

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NGHW\*

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>Bd2-3MPK20-1 Brdisv1Bd2-31018261m.p

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>Bd2-3MPK20-2 Brdisv1Bd2-31014393m.p

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>Bd2-3MPK20-3 Brdisv1Bd2-31042613m.p

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>Bd2-3MPK20-4 Brdisv1Bd2-31018474m.p

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>Bd2-3MPK20-5 Brdisv1Bd2-31014547m.p

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RMY\*

>Bd2-3MPK21-1 Brdisv1Bd2-31014439m.p

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>Adi-10MPK3 Brdisv1Adi-101031639m.p

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>Adi-10MPK4 Brdisv1Adi-101037043m.p

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>Adi-10MPK6 Brdisv1Adi-101005339m.p

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>Adi-10MPK7-1 Brdisv1Adi-101018783m.p

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>Adi-10MPK11 Brdisv1Adi-101023173m.p

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>Adi-10MPK14 Brdisv1Adi-101031400m.p

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PEAATAISM\*

>Adi-10MPK16 Brdisv1Adi-101033836m.p

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NGHW\*

>Adi-10MPK17 Brdisv1Adi-101004044m.p

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>Adi-10MPK20-1 Brdisv1Adi-101013839m.p

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>Adi-10MPK20-2 Brdisv1Adi-101033960m.p

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PFGMSGMY\*

>Adi-10MPK20-3 Brdisv1Adi-101034957m.p

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>Adi-10MPK20-4 Brdisv1Adi-101014002m.p

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>Adi-10MPK20-5 Brdisv1Adi-101010961m.p

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RQRQEELEKDRMQYRPGHHSMDAKVAPEISPYMRSSPYYIPPFNGIAAVASGYSKVAAVT

RMY\*

>Adi-10MPK21-1 Brdisv1Adi-101013900m.p

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CVEGTDDDVSQKIAQLKT\*

>Adi-10MPK21-2 Brdisv1Adi-101031490m.p

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SQCVVIKEKREKDEESMSEYMHEASDATPK\*

>Adi-2MPK3 Brdisv1Adi-21010752m.p

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LELNPNFRY\*

>Adi-2MPK4 Brdisv1Adi-21035342m.p

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KELIWRETLAFNPDPPY\*

>Adi-2MPK6 Brdisv1Adi-21007714m.p

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>Adi-2MPK7-1 Brdisv1Adi-21046113m.p

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QYHPEAARMVNM\*

>Adi-2MPK11 Brdisv1Adi-21033371m.p

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EQPSFTEEDIKELIWRESVKFNPEPIH\*

>Adi-2MPK14 Brdisv1Adi-21031107m.p

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HQIIKSPQGLSNDHCQYFLFQLLRGLKYLHSAEILHRDLKPGNLLVNANCDLKICDFGLA

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NQLKLIVNVLGTMSESDLEFIDNPKARRYIKTLPYTPGVPLASMYPHAHPLAIDLLQKML

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PEAATAISM\*

>Adi-2MPK16 Brdisv1Adi-21018516m.p

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YQLLRGLKYIHTANVFHRDLKPKNILANADCKLKICDFGLARVAISDTPTAIFWTDYIAT

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DPYFKNIASVDREPSAQPITKLEFEFERRRITKDDIRELIYREILEYHPNMLREFLEGAE

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NGHW\*

>Adi-2MPK17 Brdisv1Adi-21005644m.p

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MPLPVESHKKNILEKEFFTEYGEASQYQIQEVIGKGSYGVVAAAVDTRTGERVAIKKIND

VFEHVSDATRILREVKLLRLLRHPDVVEIKHIMLPPSRREFQDIYVVFELMESDLHQVIR

ANDDLTPEHYQFFLYQLLRALKYIHAANVFHRDLKPKNILANSDCKLKICDFGLARVSFN

DAPTAIFWTDYVATRWYRAPELCGSFFSKYTPAIDIWSIGCIFAELLTGRPLFPGKNVVH

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FDPKDRPSAEEALADPYFAVLANVEREPSRNPISKLEFEFERRKVTKDDVRELIYREILE

YHPQMLQEYMQGGEQLSFLYPSGVDRFKRQFAHLEENYSKGERGSPLQRKHASLPRQRVG

ASNDNNDQHASDQERGADSIAPATGNPPGSQDAGQQHVSGGQNGVGSTNISPRSYQKSAS

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>Adi-2MPK20-1 Brdisv1Adi-21020002m.p

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PQLLKDYINGTERTTFLYPSAVDQFRKQFAHLEENSESGPVVPMDRKHTSLPRSTIVHSA

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YACANSSTAPDVALDMRAPPFHQSAGPKSGSSDRLTAETNLYTRSLNGIVATTSGVAASA

HRKVSVVPYGMSQMY\*

>Adi-2MPK20-2 Brdisv1Adi-21015730m.p

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KHIMLPPSRKDFKDIYVVFELMESDLHQVIKANDDLTKEHYQFFLYQLLRALKYIHTASV

YHRDLKPKNILANSNCKLKICDFGLARVAFNDTPTTVFWTDYVATRWYRAPELCGSFFTK

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SSMRKKDPVPFSKKFPNADPLGLKLLEKLLAFDPKDRPTAEEALTDPYFKSLSKPDREPS

CQPIRKVEFDFEHRRMSKDDIRELIFQEILEYHPQLLKNYIDGTEKTTFLYPSAVDQFKK

QFSHLEESDGSGPVVPTERKHASLPRSTTVHSTPIPAKEQPLVASSRGRPIANEPCKPWA

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YHHHHQTPGAGQSSQAMGGYACGYTKGTTPPPAAAQDMRASPYHHRSAGTKNDPLNRLAA

ESDIYTRSLNGIVAAAASAGTGAHRKVGAVPFGMSGMY\*

>Adi-2MPK20-3 Brdisv1Adi-21045430m.p

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FEHISDAARILREIKLLRLLRHPDVVEIKHILLPPSKKDFKDIYVVFELMESDLHQVIKA

NDDLTREHYQFFLYQMLRALKYMHTANVYHRDLKPKNVLANANCKLKICDFGLARVAFSD

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>Adi-2MPK20-4 Brdisv1Adi-21020252m.p

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IFEHLSDAARILREIKLLRLLRHPDIVEIRHIMLPPSRRDFKDIYVVFELMDTDLHQVIK

ANDDLTKEHHQFFLYQMLRALKYIHTANVYHRDLKPKNILANANCKLKICDFGLARVAFN

DTPTTVFWTDYVATRWYRAPELCGSFFTKYSRAIDIWSIGCIFAEILTGKPLFPGKNVVH

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LSAYAYRNSDNSERELQQELEKDRMQYHPMQRFMDAKMVSPDLRSTSYYMPKGVPKADVA

ERSALQSNMMQGIAPFNGIATVGGAFNKVSAVQYGVSRMY\*

>Adi-2MPK20-5 Brdisv1Adi-21015890m.p

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VDASRYKILEIIGKGSYGVVCSAIDQETGDKVAIKKIQNIFEHLSDAARILREIKLLRLL

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KYIHTANVYHRDLKPKNILANANCKLKICDFGLARVAFNDTPTTVFWTDYVATRWYRAPE

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NDKARKYLSSMRRKQPIPFSEKFPNADPSALKLLERLLAFDPKDRPTAEEALAHPYFKRL

ARVEREPSCQQPISKTEFEFERRKFTKEDVKELIFREILEYHPKLLKDYMNGSEKTSFLY

PSAVDNFRRQFANLEIDGGRSGAADRKHFSLPRTTTVHSAPILPTNGPTSQVPQRIPTAR

PGRVVSSAMQTDNPSVSDRHNGRRVARDPAVPPAAAYHLKSDYSDRQHQQEFEKDRVRPD

RQRQEELEKDRMQYRPGHHSMDAKVAPEISPYMRSSPYYIPPFNGIAAVASGYSKVAAVT

RMY\*

>Adi-2MPK21-1 Brdisv1Adi-21015775m.p

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VSEVIGKGSYGVVAAAVDTQTGERCAIKKINDVFDHVSDATRILREIKLLRLLRHPDIVE

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VFHRDLKPKNILANADCKLKICDFGLARVSFNDGAPSAIFWTDYVATRWYRAPELCGSFF

SKYTPAIDIWSVGCIFAEMLTGKPLFPGKNVVHQLDLMTDLLGTPSAESLSKIRNEKARR

YLSNMRKKPKVPLTKKFPGIDPMALHLLERLLAFDPKDRPSADEALTDPYFTGLANSERE

PITQPISKLEFEFEKRKLAKDDVRELIYREILEYHPHMLQEYLRGGGDQMSFMFPSGVDR

FKRQFAHLEEGGAKGEKSSPQLRQNASLPRERVIGNKHGDGDYNMKLNVGEKPELASVSD

GISKPLMSARSLLKSETMSASKCIGEIKNKDEDSLSECVEGTDDDVSQKIAQLKT\*

>Adi-2MPK21-2 Brdisv1Adi-21020093m.p

MARKGSDEAEFFTEYGEANRYEVGEVVGKGSYGVVAAAVDTHTGERVAIKKINDVFEHVS

DATRILREIKLLRLLRHPDIVEIKHIILPPSRREFRDIYIIFELMESDLHQVIKANDDLT

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HEYHHGGDQANFVYPSGVDRFKRQFVHLEEGVTKGEKTSPQLRQHASLPRERIIGIGDEL

GRPNADYCIKLHVGEEPGHTSVTDGLSKPLLNARNFLKSESISASQCVVIKEKREKDEES

MSEYMHEASDATPK\*

>Adi-12MPK3 Brdisv1Adi-121041121m.p

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RMLAFNPLQRITVEEALEHPYLERLHDIADEPICTDPFSFDFEQHPLTEDQMKQLIFNEA

LELNPNFRY\*

>Adi-12MPK4 Brdisv1Adi-121032162m.p

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LMTEYVVTRWYRAPELLLNCSQYTAAIDVWSVGCILGEIITRQPLFPGRDYIQQLKLITE

LIGSPDDSSLGFLRSDNARRYMKQLPQYPRQDFRLRFRNMSDGAVDLLERMLVFDPSRRI

TVDEALHHPYLASLHDINEEPTCPAPFSFDFEQPSFTEEHMKELIWRETLAFNPDPPY\*

>Adi-12MPK6 Brdisv1Adi-121007265m.p

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PLFPGRDHVHQLRLLMELIGTPNEADLDFVNENARRYIRQLPRHARQSFSEKFPHVHPSA

IDLVEKMLTFDPRQRITVEGALAHPYLASLHDISDEPVCTMPFSFDFEQHALSEEQMKDL

IHQEALAFNPDYQ\*

>Adi-12MPK7-1 Brdisv1Adi-121024789m.p

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DLEFIDNPKARKYIKSLPYTPGTPLTSMYPQAHPLAIDLLQKMLVFDPSKRISVTEALEH

PYMSPLYDPSANPPAQVPIDLDIDENLGVEMIREMLWQEMLQYHPEAARMVNM\*

>Adi-12MPK11 Brdisv1Adi-121030403m.p

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VGCILGEIATREPLFPGKDYVHQLRLITELLGSPDDTSLGFLRSDNARRYVRSLPQYPKQ

QFRSRFPNMSSGAMDLLERMLVFDPNKRITVDEALCHPYLASLHEINDEPVCPAPFSFDF

EQPSFTEEDIKELIWRESVKFNPEPIH\*

>Adi-12MPK14 Brdisv1Adi-121005230m.p

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RTNSSKGQFMTEYVVTRWYRAPELLLCCDNYGTSIDVWSVGCIFAELLGRKPIFPGTECL

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IFDPTKRISVTEALEHPYMSPLYDPSANPPAQVPIDLDLDENISADMIREMMWQEMLHYH

PEAATAISM\*

>Adi-12MPK16 Brdisv1Adi-121016891m.p

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DPYFKNIASVDREPSAQPITKLEFEFERRRITKDDIRELIYREILEYHPNMLREFLEGAE

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RRVVRSPGIAPNGVTSGSSYPRRNNTCKSETGEAERIDTNQGGPPKPYVANKLPATVDGR

NGHW\*

>Adi-12MPK17 Brdisv1Adi-121005354m.p

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ANDDLTPEHYQFFLYQLLRALKYIHAANVFHRDLKPKNILANSDCKLKICDFGLARVSFN

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FDPKDRPSAEEALADPYFAVLANVEREPSRNPISKLEFEFERRKVTKDDVRELIYREILE

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>Adi-12MPK20-1 Brdisv1Adi-121018246m.p

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DLMTDLLGTPSMDTISRVRNEKARRYLSSMRKKEPIPFSQKFPNADPLALDLLQRLLAFD

PKDRPTAGEALSHPYFKGLAKVEREPSCQPITKMEFEFERRRATKEDIRELIFREILEYH

PQLLKDYINGTERTTFLYPSAVDQFRKQFAHLEENSESGPVVPMDRKHTSLPRSTIVHSA

PIHAKEQPRIGPSRDRPLTDESYKNPRDSEKYSGNVPRSSHHSQAPQRVPTARPGRVVGP

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YACANSSTAPDVALDMRAPPFHQSAGPKSGSSDRLTAETNLYTRSLNGIVATTSGVAASA

HRKVSVVPYGMSQMY\*

>Adi-12MPK20-2 Brdisv1Adi-121014318m.p

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YHRDLKPKNILANSNCKLKICDFGLARVAFNDTPTTVFWTDYVATRWYRAPELCGSFFTK

YTPAIDIWSIGCIFAEVLTGKPLFPGKNVVHQLDLMTDLLGTPSMDTISRVRNEKARRYL

SSMRKKDPVPFSKKFPNADPLGLKLLEKLLAFDPKDRPTAEEALTDPYFKSLSKPDREPS

CQPIRKVEFDFEHRRMSKDDIRELIFQEILEYHPQLLKNYIDGTEKTTFLYPSAVDQFKK

QFSHLEESDGSGPVVPTERKHASLPRSTTVHSTPIPAKEQPLVASSRGRPIANEPCKPWA

PGNVPGASQTAHVAQAGRAVGVGSVPPYESGSGKYPYDATSRPAVSSGYPPQQKIPQTYG

YHHHHQTPGAGQSSQAMGGYACGYTKGTTPPPAAAQDMRASPYHHRSAGTKNDPLNRLAA

ESDIYTRSLNGIVAAAASAGTGAHRKVGAVPFGMSGMY\*

>Adi-12MPK20-3 Brdisv1Adi-121042759m.p

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FEHISDAARILREIKLLRLLRHPDVVEIKHILLPPSKKDFKDIYVVFELMESDLHQVIKA

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>Adi-12MPK20-4 Brdisv1Adi-121018451m.p

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YHPQLLKDYMNGTEKTNFLYPSAVDNFRRQFANLEENGGKGGAVVPPDRKHVSLPRNTTV

HSTPIPPKDQKYSQVPQRIPTGRPGRVVGPVIPFENSSTMDPYSQRRVARNPVLPAAATN

LSAYAYRNSDNSERELQQELEKDRMQYHPMQRFMDAKMVSPDLRSTSYYMPKGVPKADVA

ERSALQSNMMQGIAPFNGIATVGGAFNKVSAVQYGVSRMY\*

>Adi-12MPK20-5 Brdisv1Adi-121014469m.p

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KYIHTANVYHRDLKPKNILANANCKLKICDFGLARVAFNDTPTTVFWTDYVATRWYRAPE

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PSAVDNFRRQFANLEIDGGRSGAADRKHFSLPRTTTVHSAPILPTNGPTSQVPQRIPTAR

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RQRQEELEKDRMQYRPGHHSMDAKVAPEISPYMRSSPYYIPPFNGIAAVASGYSKVAAVT

RMY\*

>Adi-12MPK21-1 Brdisv1Adi-121014362m.p

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VFHRDLKPKNILANADCKLKICDFGLARVSFNDGAPSAIFWTDYVATRWYRAPELCGSFF

SKYTPAIDIWSVGCIFAEMLTGKPLFPGKNVVHQLDLMTDLLGTPSAESLSKIRNEKARR

YLSNMRKKPKVPLTKKFPGIDPMALHLLERLLAFDPKDRPSADEALTDPYFTGLANSERE

PITQPISKLEFEFEKRKLAKDDVRELIYREILEYHPHMLQEYLRGGGDQMSFMFPSGVDR

FKRQFAHLEEGGAKGEKSSPQLRQNASLPRERVIGNKHGDGDYNMKLNVGEKPELASVSD

GISKPLMSARSLLKSETMSASKCIGEIKNKDEDSLSECVEGTDDDVSQKIAQLKT\*

>Adi-12MPK21-2 Brdisv1Adi-121040934m.p

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MESDLHQVIKANDDLTPEHHQFFFYQLLRGMKYIHAANVFHRDLKPRNILANADCKLKIC

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RELIYREILEYHPQMLHEYHHGGDQANFVYPSGVDRFKRQFVHLEEGVTKGEKTSPQLRQ

HASLPRERIIGIGDELGRPNADYCIKLHVGEEPGHTSVTDGLSKPLLNARNFLKSESISA

SQCVVIKEKREKDEESMSEYMHEASDATPK\*

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NGHW\*

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ANDDLTPEHYQFFLYQLLRALKYIHAANVFHRDLKPKNILANSDCKLKICDFGLARVSFN

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>Koz-3MPK20-1 Brdisv1Koz-31017201m.p

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>Koz-3MPK20-2 Brdisv1Koz-31013656m.p

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>Koz-3MPK20-3 Brdisv1Koz-31041190m.p

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>Koz-3MPK20-4 Brdisv1Koz-31017399m.p

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>Koz-3MPK20-5 Brdisv1Koz-31013797m.p

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RMY\*

>Koz-3MPK21-1 Brdisv1Koz-31013700m.p

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>Koz-3MPK21-2 Brdisv1Koz-31017266m.p

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>Koz-1MPK3 Brdisv1Koz-11010948m.p

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LELNPNFRY\*

>Koz-1MPK4 Brdisv1Koz-11035762m.p

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>Koz-1MPK7-1 Brdisv1Koz-11046637m.p

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>Koz-1MPK11 Brdisv1Koz-11033685m.p

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>Koz-1MPK14 Brdisv1Koz-11031538m.p

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PEAATAISM\*

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NGHW\*

>Koz-1MPK17 Brdisv1Koz-11005826m.p

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HRKVSVVPYGMSQMY\*

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>Koz-1MPK20-4 Brdisv1Koz-11025196m.p

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>Koz-1MPK20-5 Brdisv1Koz-11016096m.p

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RMY\*

>Koz-1MPK21-1 Brdisv1Koz-11015994m.p

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VFHRDLKPKNILANADCKLKICDFGLARVSFNDGAPSAIFWTDYVATRWYRAPELCGSFF

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>Koz-1MPK21-2 Brdisv1Koz-11020344m.p

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MSEYMHEASDATPK\*

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LELNPNFRY\*

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KELIWRETLAFNPDPPY\*

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RMY\*

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NGHW\*

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PLFPGRDHVHQLRLLMELIGTPNEADLDFVNENARRYIRQLPRHARQSFSEKFPHVHPSA

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>Sig2MPK11 Brdisv1Sig21030965m.p

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VGCILGEIATREPLFPGKDYVHQLRLITELLGSPDDTSLGFLRSDNARRYVRSLPQYPKQ

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>Sig2MPK14 Brdisv1Sig21005335m.p

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PEAATAISM\*

>Sig2MPK16 Brdisv1Sig21017372m.p

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YQLLRGLKYIHTANVFHRDLKPKNILANADCKLKICDFGLARVAISDTPTAIFWTDYIAT

RWYRAPELCGSFFSKYTPAIDIWSIGCIFAELLTGKPLFPGKNVVHQLDIITDLLGTPSA

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DPYFKNIASVDREPSAQPITKLEFEFERRRITKDDIRELIYREILEYHPNMLREFLEGAE

PTGFMYPSAVDHFKKQFTFLEEHYAKGSTAAPPERQHNSLPRPSVIYSDNRPQNAANITD

DLSRCAIRDNTQKAQKDSASVGANRIPHGAAAAAARPGKVVGSVLRYGNCSTSGTEQYEQ

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NGHW\*

>Sig2MPK17 Brdisv1Sig21005462m.p

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ANDDLTPEHYQFFLYQLLRALKYIHAANVFHRDLKPKNILANSDCKLKICDFGLARVSFN

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>Sig2MPK20-1 Brdisv1Sig21018578m.p

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PQLLKDYINGTERTTFLYPSAVDQFRKQFAHLEENSESGPVVPMDRKHTSLPRSTIVHSA

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VLPYENVGTSHPYDPRRVAMNSGYPPQQQIPQTYGYYQTTGKSACSEPSQAERYTLHQQA

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HRKVSVVPYGMSQMY\*

>Sig2MPK20-2 Brdisv1Sig21014736m.p

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EYHPQLLKNYIDGTEKTTFLYPSAVDQFKKQFSHLEESDGSGPVVPTERKHASLPRSTTV

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PFGMSGMY\*

>Sig2MPK20-3 Brdisv1Sig21006196m.p

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LDLITDILGTPSLDAISRVRNDKARKYLTCMRKKQPASFSQKFPKADPLALQLLRRLLAF

DPKDRPSAEEALADPYFNGLAKVEREPSCQPIPKIEFEFEGRRVTKEDIKELIFEEILEY

HPQLLKEHIIGKERPNFVHLSAVDQFKKHFTQLEENDNETGAAVSLQRKHSSLPRQAFNH

R\*

>Sig2MPK20-4 Brdisv1Sig21018795m.p

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ANDDLTKEHHQFFLYQMLRALKYIHTANVYHRDLKPKNILANANCKLKICDFGLARVAFN

DTPTTVFWTDYVATRWYRAPELCGSFFTKYSRAIDIWSIGCIFAEILTGKPLFPGKNVVH

QLDLMTDLLGTPSLDTVSRIRNEKARRYLSSMRKKQSVSFSERFPKADPAALKLLQRLLA

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HSTPIPPKDQKYSQVPQRIPTGRPGRVVGPVIPFENSSTMDPYSQRRVARNPVLPAAATN

LSAYAYRNSDNSERELQQELEKDRMQYHPMQRFMDAKMVSPDLRSTSYYMPKGVPKADVA

ERSALQSNMMQGIAPFNGIATVGGAFNKVSAVQYGVSRMY\*

>Sig2MPK20-5 Brdisv1Sig21014862m.p

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KYIHTANVYHRDLKPKNILANANCKLKICDFGLARVAFNDTPTTVFWTDYVATRWYRAPE

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PSAVDNFRRQFANLEIDGGRSGAADRKHFSLPRTTTVHSAPILPTNGPTSQVPQRIPTAR

PGRVVSSAMQTDNPSVSDRHNGRRVARDPAVPPAAAYHLKSDYSDRQHQQEFEKDRVRPD

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RMY\*

>Sig2MPK21-1 Brdisv1Sig21018673m.p

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SEVIGKGSYGVVAAAVDTQTGERCAIKKINDVFDHVSDATRILREIKLLRLLRHPDIVEI

KHIMLPPSRREFRDIYVVFELMESDLHQVIKANDDLTPEHHQFFLYQLLRGMKYIHTANV

FHRDLKPKNILANADCKLKICDFGLARVSFNDGAPSAIFWTDYVATRWYRAPELCGSFFS

KYTPAIDIWSVGCIFAEMLTGKPLFPGKNVVHQLDLMTDLLGTPSAESLSKIRNEKARRY

LSNMRKKPKVPLTKKFPGIDPMALHLLERLLAFDPKDRPSADEALTDPYFTGLANSEREP

ITQPISKLEFEFEKRKLAKDDVRELIYREILEYHPHMLQEYLRGGGDQMSFMFPSGVDRF

KRQFAHLEEGGAKGEKSSPQLRQNASLPRERVIGNKHGDGDYNMKLNVGEKPELASVSDG

ISKPLMSARSLLKSETMSASKCIGEIKNKDEDSLSECVEGTDDDVSQKIAQLKT\*

>Sig2MPK21-2 Brdisv1Sig21018669m.p

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GRPNADYCIKLHVGEEPGHTSVTDGLSKPLLNARNFLKSESISASQCVVIKEKREKDEES

MSEYMHEASDATPK\*