

FIG. 1-A

[illegible]

FIG. 1-B

[illegible]

FIG. 1-C

[illegible]

FIG. 1-D

```

597  YADTDGLHATIPGADAEIVKKKAKEFLKYINPKPLGLLELEYEGFYVRGFFVTKKKYAVI
600  YATDGFYATIPGEKPELIKKAKEFLNYINSKPLGLLELEYEGFXLRGFFVTKKRYAVI
597  YATDGFATIPGADAEIVKKKTKEFLNYINPRPLGLLELEYEGFYRRGFFVTKKKYAVI
597  YSDTDGFATIPGADAEIVKKKAMEFLKYINAKPLGALELEYEGFYKRGFFVTKKKYAVI
598  YIDTDGLYATIPGGESEIEIKKKALEFVKYINSKPLGLLELEYEGFYKRGFFVTKKRYAVI
598  YIDTDGLYATIPGAKPEEIKKKALEFVDYINAKPLGLLELEYEGFYVRGFFVTKKKYALI
597  YIDTDGLYATIPGAKHEEIKEKALKFVEYINSKPLGLLELEYEGFYARGFFVTKKKYALI
    * ****. * :*: :*: :*: :*: :*: :*: :*: :*: :*: :*: :*: :*
657  DEEGKITRGLIIVRRDWESEIAKETQARVLEAILKHGDVEEAVRIVKEVTEKLSKYEVPP
660  DEEGKITRGLIIVRRDWESEIAKETQAKVLEAILKEGSVEKAVEVVRDVVEKIAKYRVL
657  DEEDKITRGLIIVRRDWESEIAKETQARVLEAILKHGDVEEAVRIVKEVTEKLSRYEVPP
657  DEEGKITRGLIIVRRDWESEIAKETQARVLEAILKGDVVEAKAVRIVKEVTEKLSKYEVPP
658  DEEGKITRGLIIVRRDWESEIAKETQARVLEAILKHGDVEEAVRIVKEVIQKLANYEIPP
658  DEEGKITRGLIIVRRDWESEIAKETQAKVLEAILKHGNVEEAVKIVKEVTEKLSKYEIPP
657  DEEGKITRGLIIVRRDWESEIAKETQAKVLEAILKHGNVDEAAVKIVKEVTEKLSKYEIPP
    *** :*: :*: :*: :*: :*: :*: :*: :*: :*: :*: :*: :*: :*
717  EKLVIHEQITRDLRDYKATGPHVAVAKRIAARGVKIRPGTVISYIVLKGSGRIGDRAIPA
720  EKLVIHEQITRDLKDYKAI GPHVAIAKRIAARGIKVKPGTII SYIVLKGSGKISDRVILL
717  EKLVIYEQITRNLRDYRATGPHVAVAKRIAARGIKIRPGTVISYIVLKGPGRVGDRAIPE
717  EKLVIHEQITRDLKDYKATGPHVAVAKRIAARGVKIRPGTVISYIVLKGSGRIGDRAIPE
718  EKLAIYEQITRPLHEYKAI GPHVAVAKKIAAGVKIKPGMVGIVYILRGDGPISNRAILA
718  EKLVIYEQITRPLHEYKAI GPHVAVAKRIAARGVKVRPGMVGIVYILRGDGPISKRAILA
717  EKLVIYEQITRPLSEYKAI GPHVAVAKRIAAGVKVKPGMVGIVYILRGDGPISKRALAI
    *** :*: :*: :*: :*: :*: :*: :*: :*: :*: :*: :*: :*: :*

```

FIG. 1-E

SEQ ID NO:9	DEFDPTKHHRYDAEYYIENQVLP	PAVERILKAFGYRKEDLRYQKTKQVGLGAWLKVKGKK-	775
SEQ ID NO:10	TEYDPRKHKYDPDYIENQVLP	PAVLRILEAFGYRKEDLRYQSSKQTGLDAWIKR-----	774
SEQ ID NO:12	DEFDPAKHHRYDAEYYIENQVLP	PAVERILRAFGYRKEDLRYQKTKQAGLGAWLKPKTGS-	775
SEQ ID NO:13	DEFDPTKHHRYDAEYYIENQVLP	PAVERILRAFGYRKEDLRYQKTKQVGLSAILKPKGT--	774
SEQ ID NO:14	EEYDPKHHRYDAEYYIENQVLP	PAVLRILEGFGYRKEDLRYQKTKQVGLTSWLNKKS--	775
SEQ ID NO:11	EEFDLRKHHRYDAEYYIENQVLP	PAVLRILEAFGYRKEDLRWQKTKQTGLTAWLNKKGGS	777
SEQ ID NO:15	EEFDPKHHRYDAEYYIENQVLP	PAVERILRAFGYRKEDLRYQKTKQVGLGAWLKFGS---	773
	: **:* :	***** **..*****::*:.**.*.* :**:	

FIG. 2A

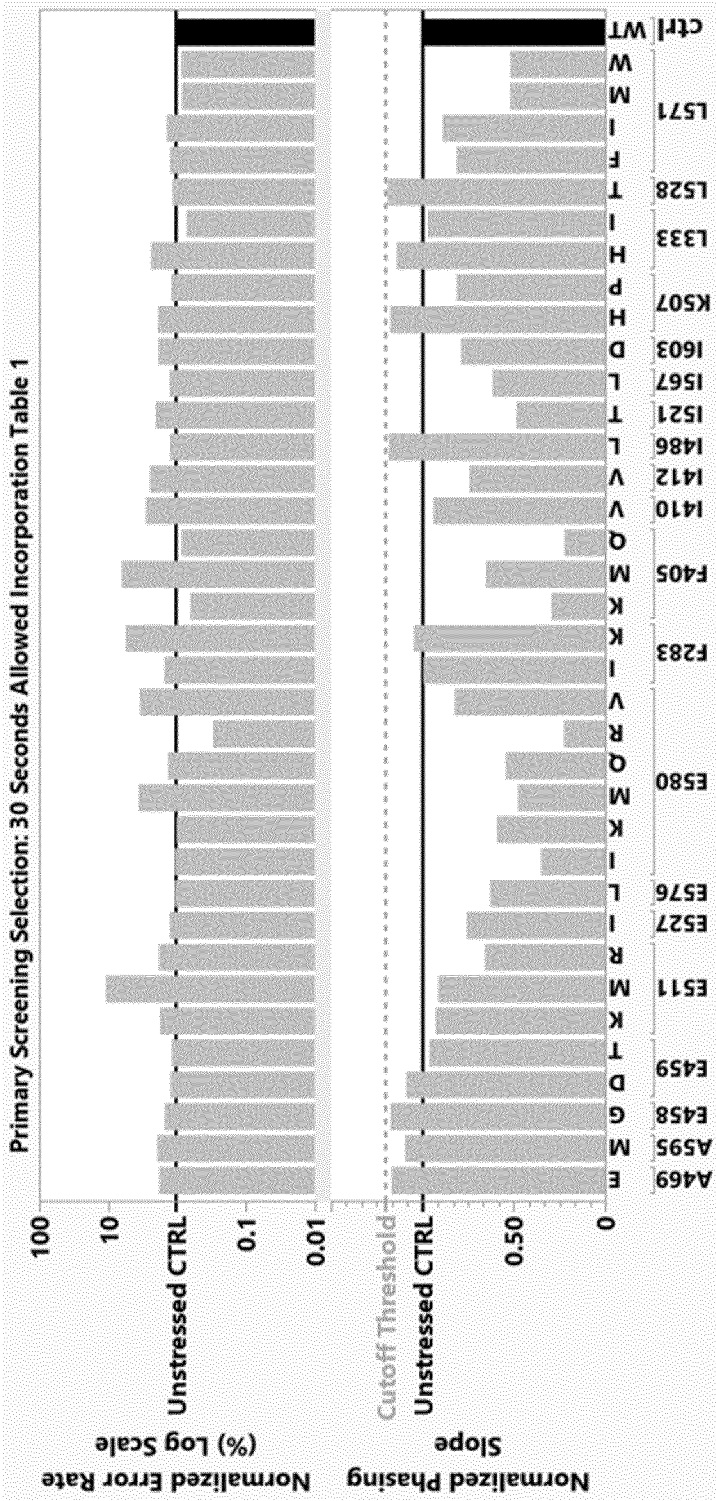


FIG. 2B

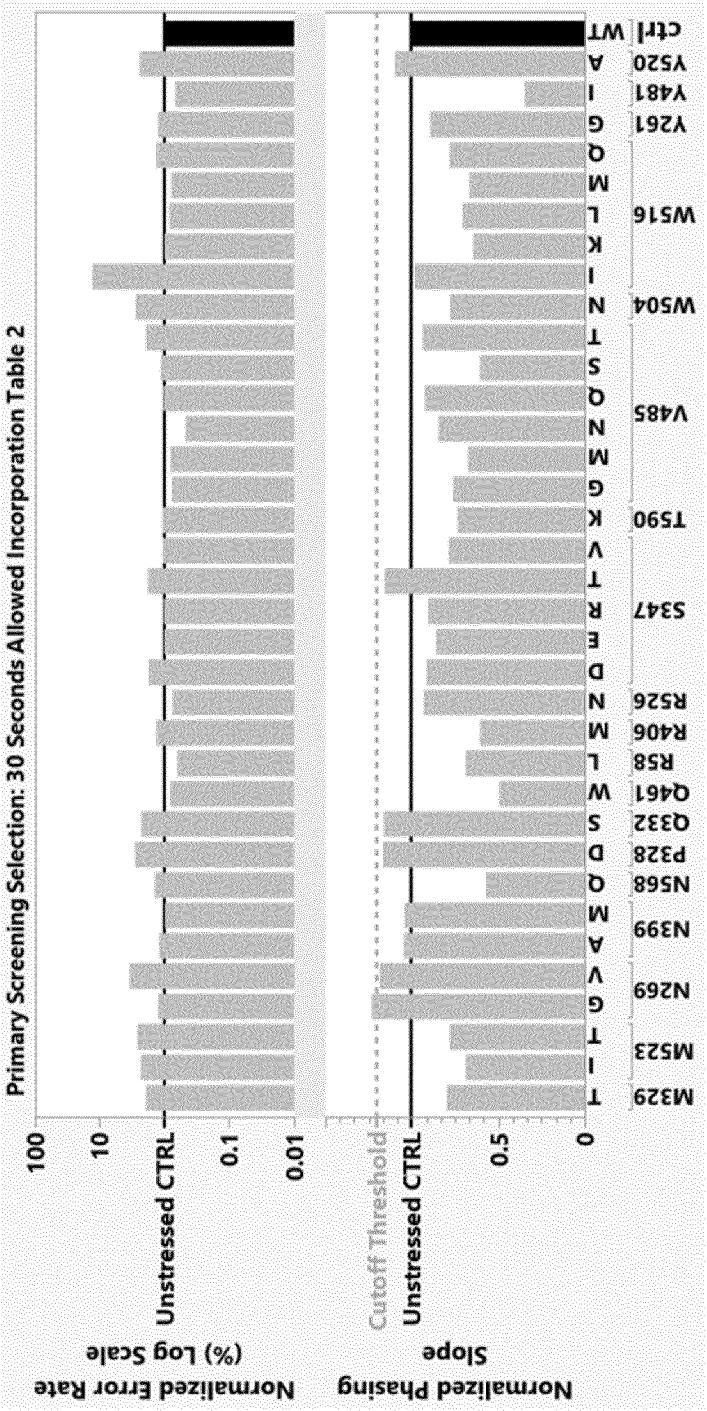


FIG. 3

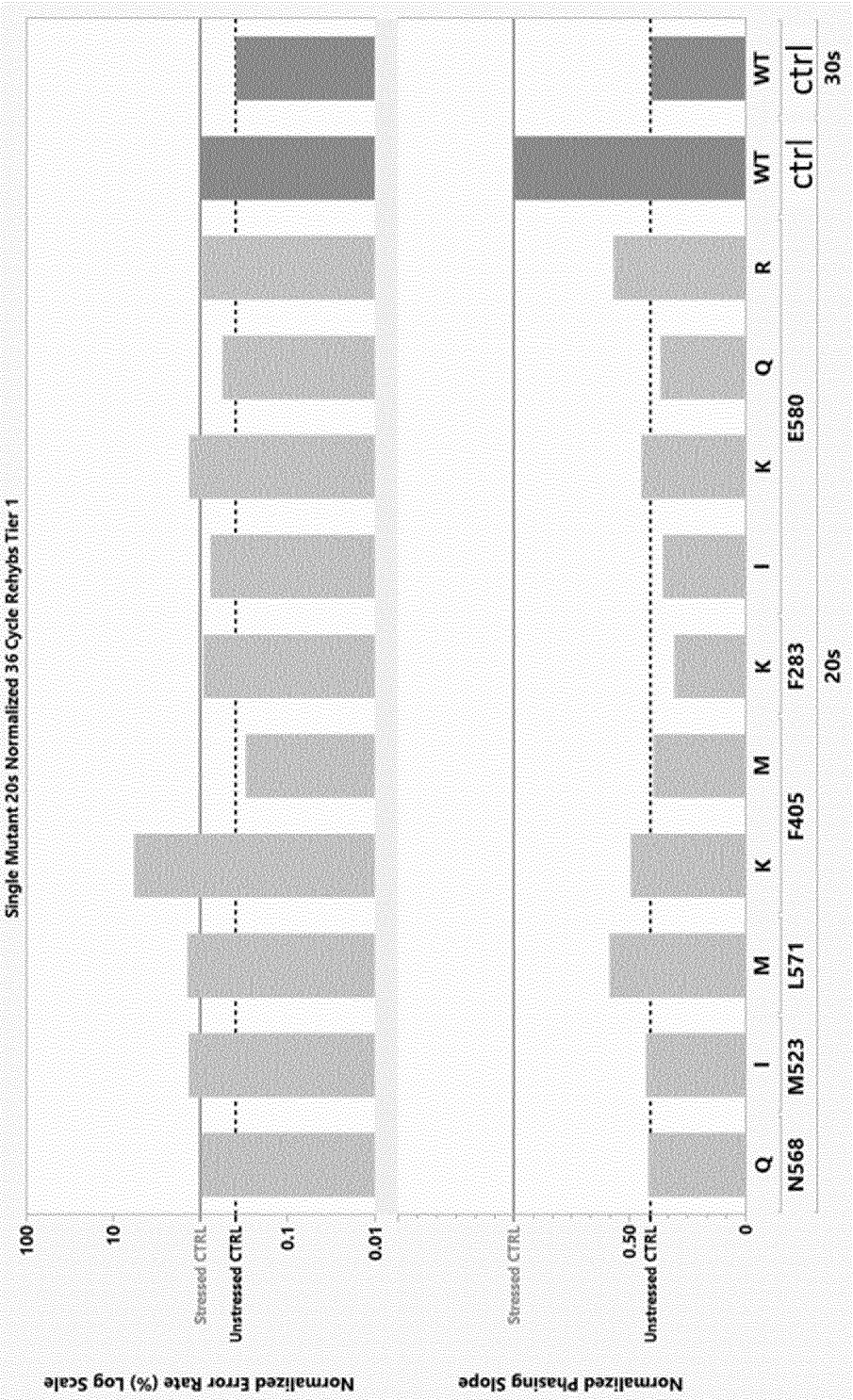


FIG. 4A

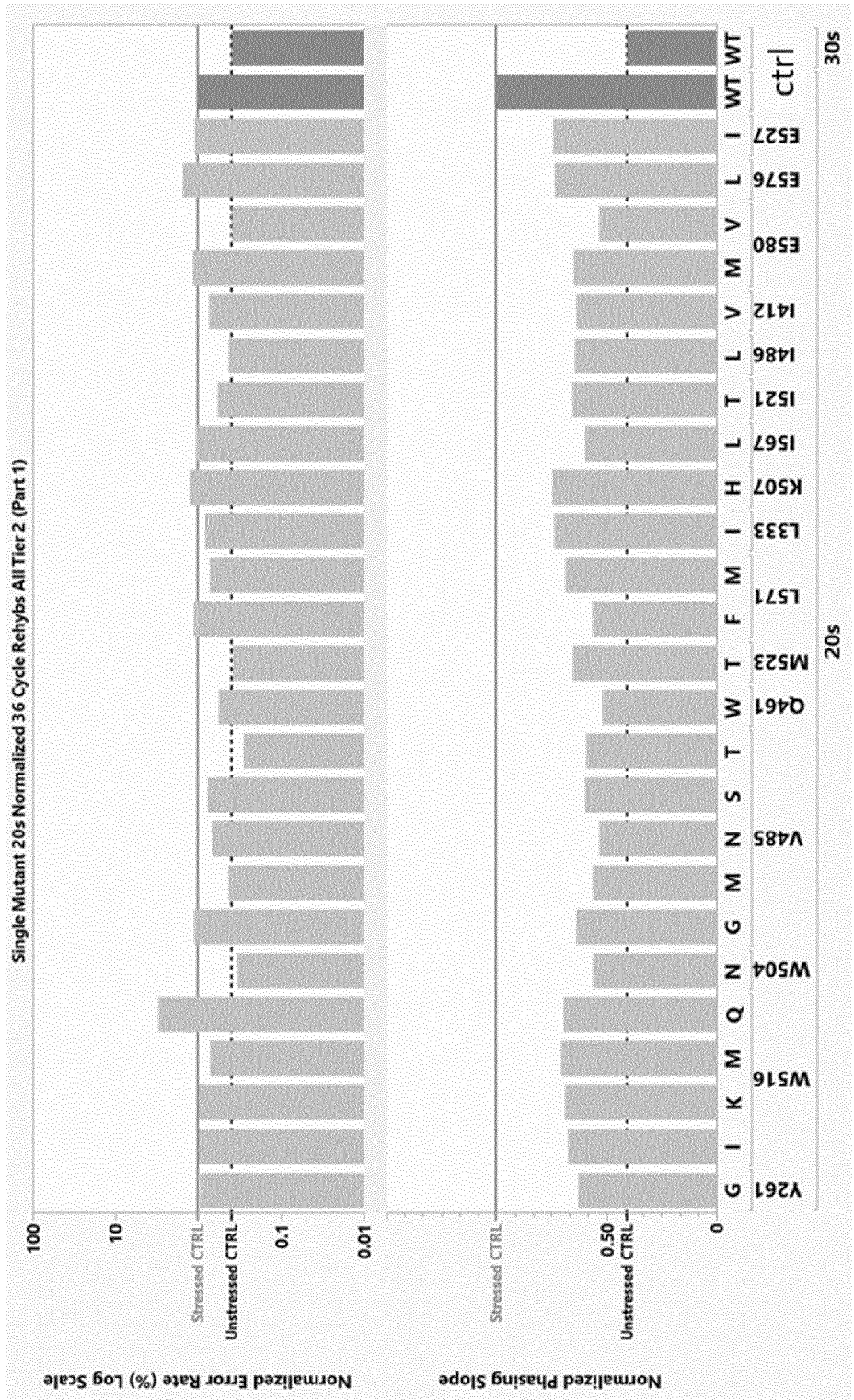


FIG. 4B

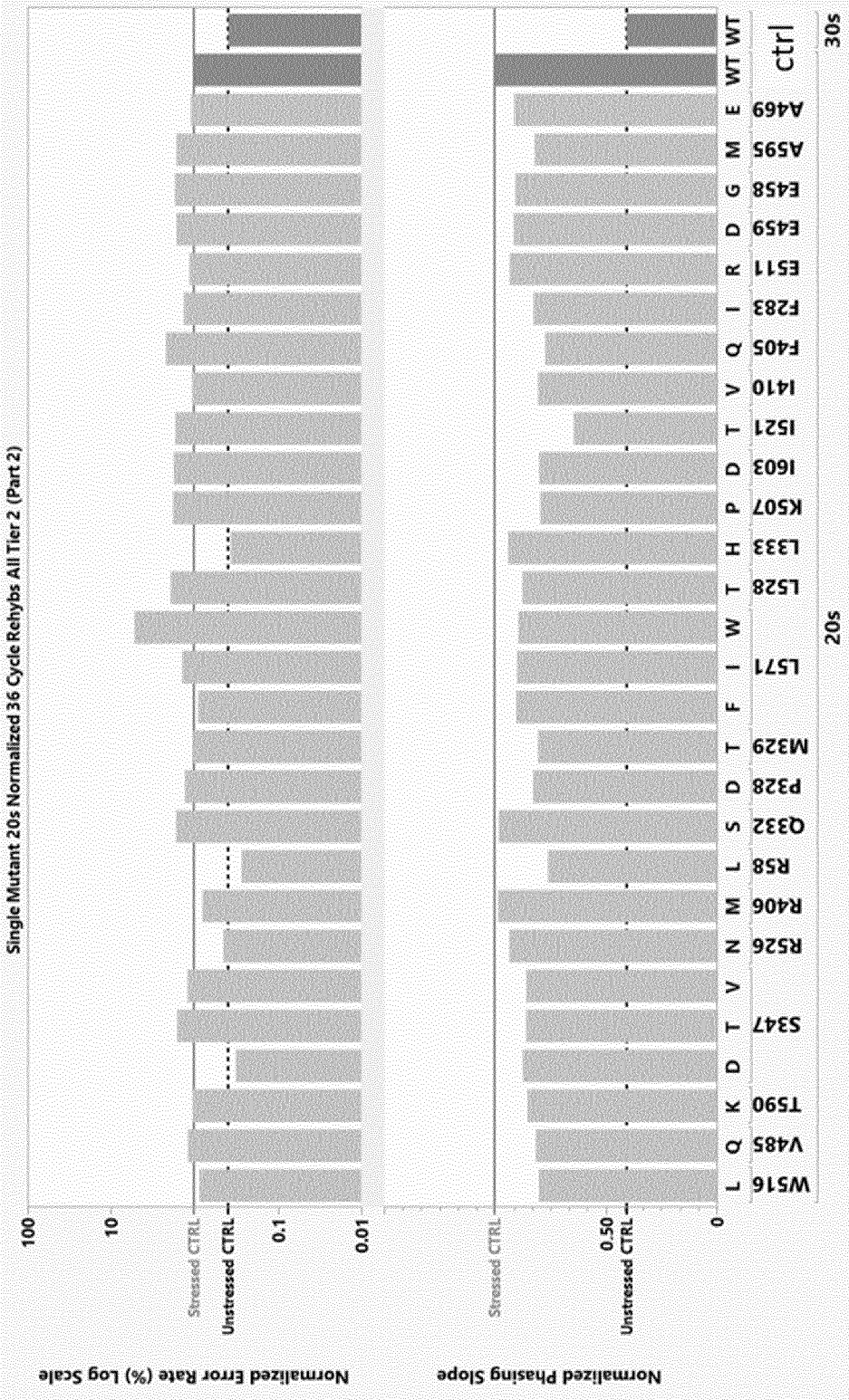


FIG. 5

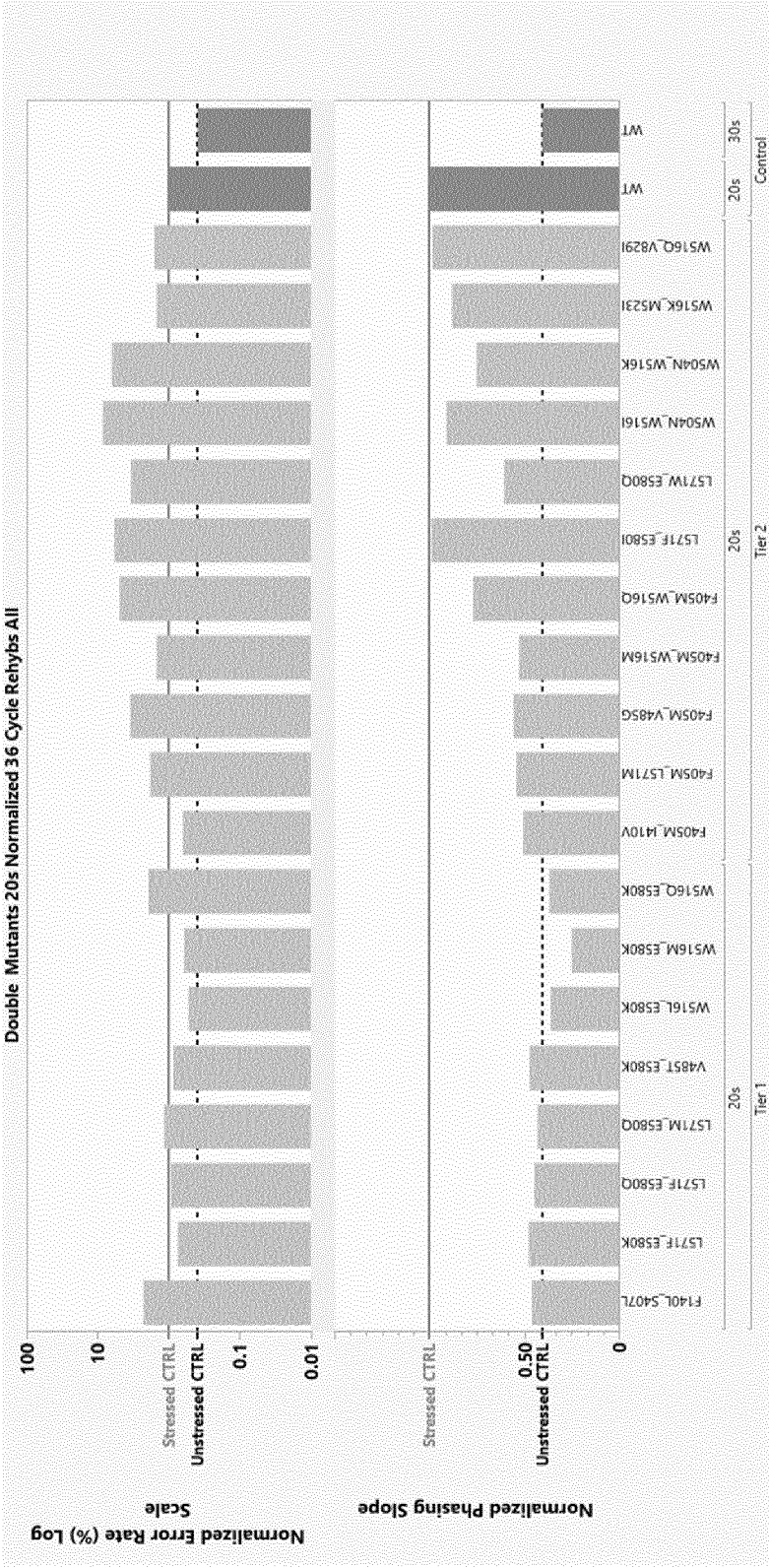


FIG. 6

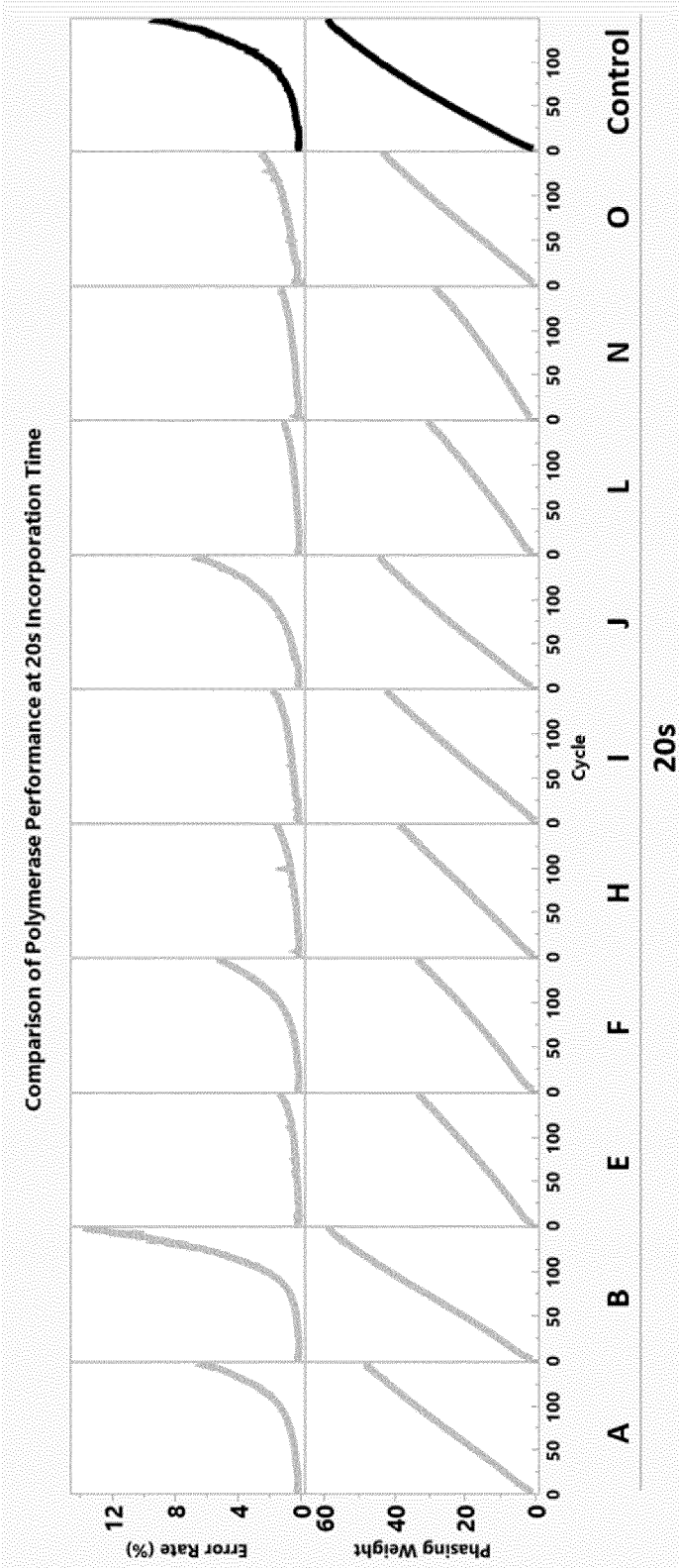


FIG. 7

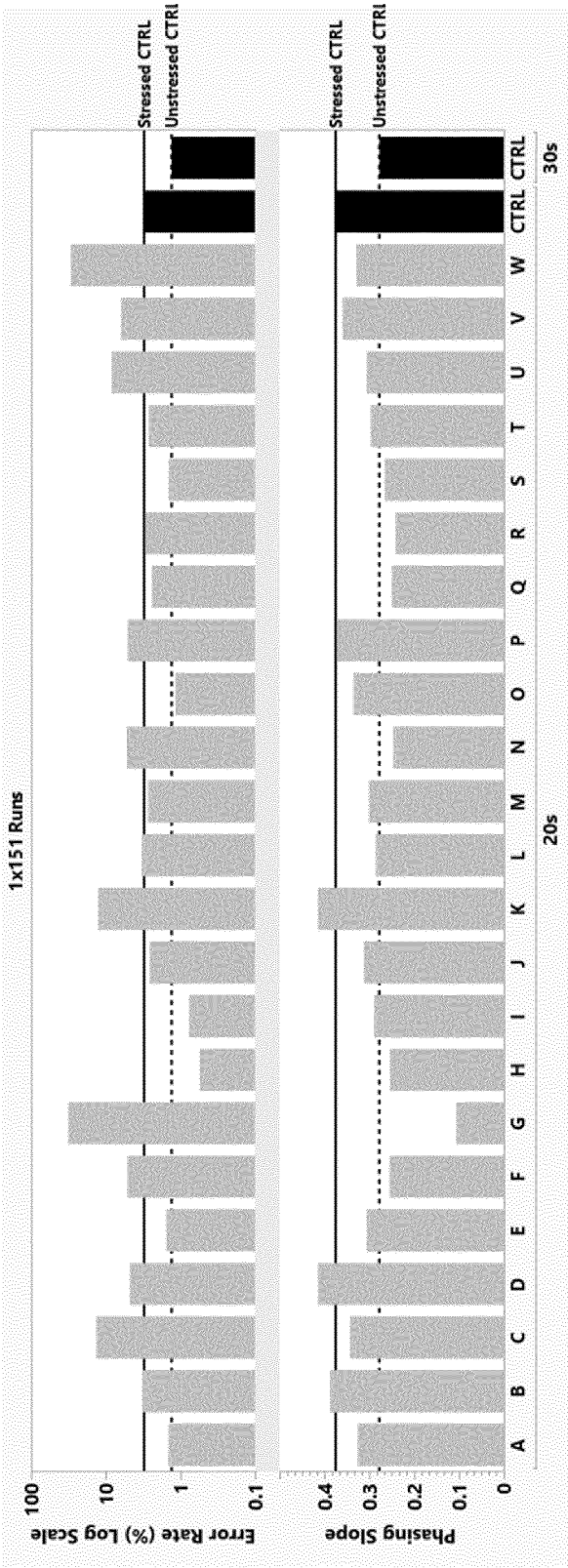


FIG. 8-1

SEQ ID NO: 1

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVKKRAEKVQKKFLG
RPIEVWKLYFNHPQDVPAIRDRIRAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFAIATLYHEGEEFGT
GPILMISYADGSEARVITWKKIDLPYVDVSTEEKEMIKRFLRVVREKDPDVLITYNGDNFDFAYLKKRSEELGIKFT
LGRDGSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEA VFGPKPKVYAE EIAQAWESGEGLERV
ARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPNKPDERELARRRGGYA
GGYVKEPERGLWDNIVYLDFRSAAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFKCDPFGFIPSLLDLLEERQK
IKRKMKATVDPLEKKLLDYRQRVIKILANSFYGGYAKARWYCKECAESVTAWGREYIEMVIRELEEKFGFKVLYA
DTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELEYEGFYVRGFFVTKKKYAVIDDEGKITTRGLEIVRRDWS
EIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPKLVIIHEQITRDLRDYKATGPHVAVAKRLAARGVKI
RPGTVISYIVLKGSGRIGDRAIPADEFDPTKHYDAEYIENQVLP AVERILKAFGYRKEDLRYQKTKQVGLGAWLK
VKGKK

SEQ ID NO: 2

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVKKRAEKVQKKFLG
RPIEVWKLYFNHPQDVPAIRDRIRAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFAIATLYHEGEEFGT
GPILMISYADGSEARVITWKKIDLPYVDVSTEEKEMIKRFLRVVREKDPDVLITYNGDNFDFAYLKKRSEELGIKFT
LGRDGSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEA VFGPKPKVYAE EIAQAWESGEGLERV
ARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPNKPDERELARRRGGYA
GGYVKEPERGLWDNIVYLDFRSAAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFKCDPFGFIPSLLDLLEERQK
IKRKMKATVDPLEKKLLDYRQRVIKILANSFYGGYAKARWYCKECAESVTAWGREYIEMVIRELEEKFGFKVLYA
DTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELEYEGFYVRGFFVTKKKYAVIDDEGKITTRGLEIVRRDWS
EIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPKLVIIHEQITRDLRDYKATGPHVAVAKRLAARGVKI
RPGTVISYIVLKGSGRIGDRAIPADEFDPTKHYDAEYIENQVLP AVERILKAFGYRKEDLRYQKTKQVGLGAWLK
VKGKK

FIG. 8-2

SEQ ID NO: 3

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFALLKDDSAIEDVKKVTAKRHGTVVKVKRAEKVQKK
 FLGRPIEVWKL YFNHPQDVPAIRDRI RAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFAIATLYHE
 GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVVSTEEKEMIKRFLRVREKDDPDLITYNGDNDFAYLKKR
 SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRHFDLYPVIRRTINLPTYTLEAVYEAVFGPKPEKVYAEIEA
 QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRGGYAGGYVKEPERGLWDNIVYLDERSAAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSLLDLLEERQKIKRKMKA TVDPLEKKLLDYRQRVIKILANSFYGYGYAKARWYCKECAESVTAMGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELEYKGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPEKLVIHQEI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYYIENQVLP
 VERILKAFGYRKEDLRYQTKQVGLGAWLKVKGKK

SEQ ID NO: 4

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFALLKDDSAIEDVKKVTAKRHGTVVKVKRAEKVQKK
 FLGRPIEVWKL YFNHPQDVPAIRDRI RAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFAIATLYHE
 GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVVSTEEKEMIKRFLRVREKDDPDLITYNGDNDFAYLKKR
 SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRHFDLYPVIRRTINLPTYTLEAVYEAVFGPKPEKVYAEIEA
 QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRGGYAGGYVKEPERGLWDNIVYLDERSAAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSLLDLLEERQKIKRKMKA TVDPLEKKLLDYRQRVIKILANSFYGYGYAKARWYCKECAESVTAMGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELEYKGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPEKLVIHQEI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYYIENQVLP
 VERILKAFGYRKEDLRYQTKQVGLGAWLKVKGKK

FIG. 8-3

SEQ ID NO: 5
 MILDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFALLKDDSAIEDVKKVTAKRHGTVVVKRAEKVQKK
 FLGRPIEVWKLIFNHPQDVPAIRDRIRAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFAIATLYHE
 GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVSTEEKEMIKRFLRVVREKDPDLITYNGDNFDFAYLKKR
 SEELGIKFTLGRDGSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVEAVFGKPKKVVAAEEIA
 QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRGGYAGGYVKEPERGLWDNIVYLDFRSSAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSLLDLLEERQKIKRKMKATVDPLEKKLDYRQVRVILANSFYGGYAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELEYKGFYVRGFFVTRK
 KYAVIDDGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPPEKLVIIHEQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYYIENQVLPA
 VERILKAFGYRKEDLRYQKTKQVGLGAWLKVKGKK

SEQ ID NO: 6
 MILDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFALLKDDSAIEDVKKVTAKRHGTVVVKRAEKVQKK
 FLGRPIEVWKLIFNHPQDVPAIRDRIRAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFAIATLYHE
 GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVSTEEKEMIKRFLRVVREKDPDLITYNGDNFDFAYLKKR
 SEELGIKFTLGRDGSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVEAVFGKPKKVVAAEEIA
 QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRGGYAGGYVKEPERGLWDNIVYLDMSAAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSLLDLLEERQKIKRKMKATVDPLEKKLDYRQVRVILANSFYGGYAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELEYKGFYVRGFFVTRK
 KYAVIDDGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPPEKLVIIHEQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYYIENQVLPA
 VERILKAFGYRKEDLRYQKTKQVGLGAWLKVKGKK

FIG. 8-4

SEQ ID NO: 7

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVKKVRAEKVQKK
 FLGRPIEVWKLIFYNHPQDVPAIRDRIRAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFAIATLYHE
 GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVVSTEEKEMIKRFLRVVREKDPDVLITYNGDNFDFAYLKRR
 SEELGIKFTLGRDGSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEAVFGKPKKEKYAAEEIA
 QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRGGYAGGYVKEPERGLWDNIVYLDMRSSAVSIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSLLDLLEERQKIKRKMKATVDPLEKKLLDYRQRGIKILANSFYGGYAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELELEYEGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPPEKLVIIHEQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYYIENQVLP
 VERILKAFGYRKEDLRYQKTKQVGLGAWLKVKGKK

SEQ ID NO: 8

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVKKVRAEKVQKK
 FLGRPIEVWKLIFYNHPQDVPAIRDRIRAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFAIATLYHE
 GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVVSTEEKEMIKRFLRVVREKDPDVLITYNGDNFDFAYLKRR
 SEELGIKFTLGRDGSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEAVFGKPKKEKYAAEEIA
 QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRGGYAGGYVKEPERGLWDNIVYLDMRSSAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSLLDLLEERQKIKRKMKATVDPLEKKLLDYRQRGIKILANSFYGGYAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELELEYEGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPPEKLVIIHEQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYYIENQVLP
 VERILKAFGYRKEDLRYQKTKQVGLGAWLKVKGKK

FIG. 8-5

SEQ ID NO: 9

MILDTDYITENGKPVIRVEKKENGFEKIEYDRTFEPFYALLKDDSAIEDVKKVTAKRHGTVVVKVRAEKVQKK
 FLGRPIEVWKLIFENHPQDVPDIRAHPAVVDIYEYDIPFAKRYLIDKGLIPMEGDEELTMLAFDIETLYHE
 GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVSTEEKEMIKRFLRVREKDDPDLITYNGDNFDFAYLKKR
 CEELGIKFTLGRDSEPKIQRMGDRFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEAVFGKPKKVEYAEIA
 QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSTGNLVEWFLLRKAYKRNELAPN
 KPDERELARRGGYAGGYVKEPERGLWDNIVYLDFRSLYPSIIITHNVSPDTLNREGCKEYDVAPEVGHKFKCD
 FPGFIPSLLDLLEERQKIKRKMKATVDPLEKKLLDYRQRAIKILANSFYGYGAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELEYEGFYVRGFFVTKK
 KYAVIDEEGKITTRGLEIVRRDWSEIAKETQARVLEAILKHGDVEEAVRIVKEVTEKLSKYEVPPEKLVIHQEI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHKRYDAEYYIENQVLP
 VERILKAFGYRKEDLRYQTKQVGLGAWLKVKGKK

SEQ ID NO: 10

MILDTDYITKDGKPIIRIFKKENGFEKIELDPHFQPYIYALLKDDSAIEEIKAIKGERHGKTVRVLDVAVKVRKK
 FLGREVEVWKLIFEHPQDVPAMRGKIREHPAVVDIYEYDIPFAKRYLIDKGLIPMEGDEELKLLAFAIATFYHE
 GDEFKGGEIIMISYADEEEARVITWKNIDLPYVDVVSNEREMIKRFVQVVEKDDPDIITYNGDNFDPYLLIKR
 AEKLGVRVLVGRDKEHPEPKIQRMGDSFAVEIKGRIHFDLPVVRRTINLPTYTLEAVYEAVLGTGKSKLGAEE
 IAAIWETEESMKKLAQYSMEDARATYELGKEFFPMEAEAKLIGQSVWDVSRSTGNLVEWYLLRVAYARNELA
 PNKPDEEEYKRRRLRTYLGGYVKEPEKGLWENIYLDFRSLYPSIIIVTHNVSPDTLEKEGCKNYDVAPIVGYRF
 CKDFPGFIPSIILGDLIAMRQDIKKMKSTIDPIEKKMLDYRQRAIKLLANSYYGYMGYPKARWYSKECAESVTA
 WGRHYIEMTIREIEEKFGFKVLYADTDGFYATIPGEKPELIKKAKEFLNYINSKLPGLLELEYEGFYLRGFFV
 TKKRYAVIDEEGRITTRGLEVVRRDWSEIAKETQAKVLEAILKEGSVEKAVEVRDVVEKIAKRVPLEKLVIH
 EQITRDLKDYKAIGPHVAIAKRLAARGIKVKPGTIIISYIVLKGSGKISDRVILLTEYDPRKHKYDPPDYIENQV
 LPAVLRILEAFGYRKEDLRYQSSKQTGLDAWLKR

FIG. 8-6

SEQ ID NO: 11
 MILDADYITEDGKPIIRIFKKENGFEKVEYDRNFRPYIYALLKDDSQIDEVRKITAERHKGIVRIIDAERVKKK
 FLGRPIEVWRLYFEHPQDVPAIRDKIREHSAVIDIFEYDIPFAKRYLIDKGLIPMEGDEELKLLAFDIETLYHE
 GEEFAKGPIIMISYADEEEAKVITWKKIDLPYVEVSSEREMIKRFLKVIREDPDVITITNGDSFDLPYLVKR
 AEKLGIKLPLGRDSEPKMORLGMTAVEIKGRIHFDLYHVIARRTINLPTYTLEAVYEAIFGKPKKVKYAEHIA
 EAWETGGLERVAKYSMEDAKVTYELGREFFPMEAQLSRLVGQPLWDVSRSSSTGNLVEWYLLRKAYERNELAPN
 KPDEREYERRLRRESYAGGYVKEPEKGLWEGLVSLDFRSLYPSIIITHNVSPDTLNREGCREYDVAPEVGHKFECK
 DFPGFIPSLKRLDERQEIKRKMKASKDPIEKKMLDYRQRAIKILANSYYGYGYAKARWYCKECAESVTAWG
 REYIEFVRKELEEKFGKVLVIDTDGLYATIPGAKPEEIKKKALEFVDYINAKLPGLLELEYEGFYVRGFFVTK
 KKYALIDEEGKIIITRGLEIVRRDWSEIAKETQAKVLEAILKHGNVEEAVKIVKEVTEKLSKYEIPPEKLVIEYEQ
 ITRPLHEYKAIGPHVAVAKRLAARGVKVRPGMVGIVIVLRGDGPISKRAILAEFEEDLRKHKYDAEYYIENQVLP
 AVLRILEAFGYRKEDLRWQKTKQTGLTAWLNKKKGS

SEQ ID NO: 12
 MILDADYITEDGKPVIRVFKKEGFEKINYDRDFEPYIYALLKDDSAIEDIKKITAERHGTTRVTRAEVRVKKK
 FLGRPVEVWKLYFTHPQDVPAIRDKIREHPAVVDIYEYDIPFAKRYLIDKGLIPMEGNEELRMLAFDIETLYHE
 GEEFGEPIIMISYADEEGARVITWKNIDLPYVESVSTEKEMIKRFLKVIQEKDPDVLITYNGDNDFAYLKKR
 SETLGVKFILGRDSEPKIORMGDRFAVEVKGRIHFDLYPVIARRTINLPTYTLETVYEAIFGQPKKVKYAEHIA
 QAWESGGLERVARYSMEDAKATYELGKEFFPMEAQLSRLVGQSLWDVSRSSSTGNLVEWFLLRKAYERNELAPN
 KPDERELARRAESYAGGYVKEPEKGLWENIVYLDYKSLYPSIIITHNVSPDTLNREGCREYDVAQVGHREFCKD
 FPGFIPSLGLDLLEERQKVKKKMKATVDPIERKLLDYRQRAIKILANSYYGYGYANARWYCRECAESVTAWGR
 QYIETTMREIEEEKFGKVLVYADTDGFFATIPGADAETVKKKTKKEFLNYINPRLPGLLELEYEGFYRRGFFVTKK
 KYAVIDEEDKIIITRGLEIVRRDWSEIAKETQARVLEAILKHGDVEEAVRIVKEVTEKLSRYEVPPEKLVIEYEQI
 TRNLRDYRATGPHVAVAKRLAARGIKIRPGTVISYIVLKGPGRUGDRAIPFDEFDPKHKRYDAEYYIENQVLP
 VERILRAFGYRKEDLRVQKTKQAGLAWLKPKTKGS

FIG. 8-7

SEQ ID NO: 13
 MILDYDITEDGKPVIRIFKKENGFEFKIEYDRTFEPYFYALLKDDSAIEEVKKITAEHRHGTVTIVKRVEKVQKK
 FLGRPVEVWKLYFTHPQDVPAIRDKIREHPAVIDIYEYDIPFAKRYLIDKGLVPMEGDEELKMLAFATLYHE
 GEEFAEGPILMISYADEEGARVITWKNVDLPYVDVSTEREMIKRFLRVKEDPDVLIYNGDNDFDFAYLKKR
 CEKLGINFALGRDSEPKIQRMGDRFAVEVKGRHFDLYPVIRRTINLPTYTLEAVYEAVFGQPKKVVAAEIT
 TAWETGENLERVARYSMEDAKVTYELGKEFLPMEAQLSRLIGQSLWDVSRSTGNLVEWFLLRKAYERNELAPN
 KPDEKELARRRQSYEGGYVKEPERGLWENIVYLDERSLYPSIIITHNVSPDTLNREGCKEYDVAQVGHFRCKD
 FPGFIPSLGLDLEERQKIKKKMKATIDPIERKLLDYRQRAIKILANSYGYGYARARWYCKECAESVTAWGR
 EYITMTIKEIEEEKYGFKVIYSDTDGFFATIPGADAETVKKAMEFLKYINAKLPGALELEYEYEGFYKRGFFVTKK
 KYAVIDEEGKITTRGLEIVRRDWSEIAKETQARVLEALLKGDVVEKAVRIVKEVTEKLSKYEVPPEKLVIEHQI
 TRDLKDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPDEFDPTKHKYDAEYYIENQVLP
 VERILRAFGYRKEDLRYQKTRQVGLSAWLKPKGT

SEQ ID NO: 14
 MILDVDYITEEGKPVIRLFKKENGKFKIEHRTFRPYIYALLRDDSKIEEVKKITGERHCKIVRIVDVEKVEKK
 FLGKPIVWKLYLEHPQDVPTIREKVRHPAVVDIFEYDIPFAKRYLIDKGLIPMEGEEELKILAFATLYHE
 GEEFGKGPIMISYADENEAKVITWKNIDLPYVEVSSSEREMIKRFLRIIREKDPDIIVTYNGDSFDFPYLAKR
 AEKLGIKLTIGRDGSEPKMQRIGDMTAVEVKGRHFDLYHVITRTINLPTYTLEAVYEAIFGKPKKVVAADEIA
 KAWESGENLERVAKYSMEDAKATYELGKEFLPMEIQLSRLVGQPLWDVSRSTGNLVEWFLLRKAYERNEVAPN
 KPSEEEYQRRRLRESYTGGEFVKEPEKGLWENIVYLDFRALYPSIIITHNVSPDTLNLEGCKNYDIAQVGHKFKC
 DIPGFIPSLGLHLLLEERQKIKTKMKETQDPIEKILLDYRQKAIKLLANSFYGYGYAKARWYCKECAESVTAWG
 RKYIELVWKELEEKFGFKVLYIDTDGLYATIPGGESEEEKKKALEFVKYINSKLPGLLELEYEGFYKRGFFVTK
 KRYAVIDEEGKVITRGLEIVRRDWSEIAKETQARVLETILKHGDVEEAVRIVKEVIOQLANYEIPPEKLAIYEQ
 ITRPLHEYKAIGHVAVAKRLAARGVKIKPGMVIGYIVLRGDGPISNRAILAEYDPPKKHKYDAEYYIENQVLP
 AVLRILEGFGYRKEDLRYQKTRQVGLTSLWLNKKS

FIG. 8-8

SEQ ID NO: 15
MIIDADYITEDGKPIIRIFKKEGFEKVEYDRTFRPIYALLKDDSAIDEVKKITAERHGKIVRITVEKVQKKFLG
RPIEVWKLYLEHPQDVPAIREKIREHPAVVDIFEYDIPFAKRYLIDKGLTPMEGNEELTF LAVDIETLYHEGEEFGK
GPIIMISYADEEGAKVITWKSIDLPHYVEVSSEREMIKRLVKVIREKDPDVIITYNGDNDFDPYLLKRAEKLGIKLP
LGRDNSEPKMQRMGDSLAVEIKGRIHFDLFPVIRRTINLPTYTLEAVYEAIFGKSKEKVYAHEIAEAWE TGKGLERV
AKYSMEDAKVT FELGKEFFPMEAQLARLVGPVWDVSRSTGNLVEWFLLRKAYERNELAPNKPDEREYERRLRESY
EGGYVKEPEKGLWEGIVSLDFRSLYPSIIITHNVSPDTLNRENCKEYDVAPOVGHFRFCKDFPGFIPSLIGNLLEERQ
KIKKRMKESKDPVEKKLLDYRQRAIKILANSYYGYGAKARWYCKECAESVTAWGRQYIDLVRRELESRGFKVLYI
DTDGLYATIPGAKHEEIKEKALKFVEYINSKLPGLLELEYEGFYARGFFVTKKKYALIDEEGKIVTRGLEIVRRDWS
EIAKETQAKVLEAILKHGNVDEAVKIVKEVTEKLSKYEIPPEKLVIEQITRPLSEYKAIGHVAVAKRLAAGVKV
KPGMVIGYIVLRGDGPISKRAIAIEEFDPKKHKYDAEYYIENQVLP AVERILRAFGYRKEDLKYQTKQVGLGAWLK
FGS

SEQ ID NO:16
MILDTDYITENGPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVVKRAEKVQKKFLG
RPIEVWKLYFNHPQDVPAIRDRIRAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFATLYHEGEEFGT
GPILMISYADGSEARVITWKKIDLPHYVDVVS TEKEMIKRFLRVREKDPDVLITYNGDNDFDAYLKKRSEELGIKFT
LGRDGSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEA VFGKPKEKVYAE EIAQAWESGEGLERV
ARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPNKPDERELARRRGGYA
GGYVKEPERGLWDNIVYLDFRSA AISIIITHNVSPDTLNREGCKEYDVAPEVGHKFKCKDFPGFIPSLIGDLLLEERQK
IKRKMKATVDPLEKKLLDYRQRAVIKILANSFYGYGAKARWYCKECAESVTAWGREYIEMVIRELEEKFGFKVLYA
DTDGLHATIPGADAETVKKKAKEFLKYIQKLPGLLELEYEGFYVRGFFVTKKKYAVIDDEGKITTRGLEIVRRDWS
EIAKETQARVLEAILKGDVEEA VRIVKEVTEKLSKYEVPPEKLVIEQITRDLRDYKATGPHVAVAKRLAARGVKI
RPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYYIENQVLP AVERILKAFGYRKEDLRYQTKQVGLGAWLK
VKGKK

FIG. 8-9

SEQ ID NO: 17

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVKKVRAEKVQKK
 FLGRPIEVWKL YFNHPQDVPAIRDRI RAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFATLYHE
 GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVSTEEKEMIKRFLRVVREKDPDVLITYNGDNDFAYLKKR
 SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEAVFGKPKKEVYAEIEA
 QAWESGGLERVARYSMEDAKVTYELGREFFPMEQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRRGYAGGYVKEPERGLWDNIVYLDFRSAAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSLGLDLEERQKIKRKMKATVDPLEKKLLDYRQRVIKILANSFYGYGGYAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKAEFLKYINPKLPGLLELEYRGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPEKLVIIHEQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYDAEYIENQVLP
 VERILKAFGYRKEDLRYQKTKQVGLGAWLKVKGKK

SEQ ID NO: 18

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVKKVRAEKVQKK
 FLGRPIEVWKL YFNHPQDVPAIRDRI RAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFATLYHE
 GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVSTEEKEMIKRFLRVVREKDPDVLITYNGDNDFAYLKKR
 SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEAVFGKPKKEVYAEIEA
 QAWESGGLERVARYSMEDAKVTYELGREFFPMEQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRRGYAGGYVKEPERGLWDNIVYLDFRSAAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSLGLDLEERQKIKRKMKATVDPLEKKLLDYRQRVIKILANSFYGYGGYAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKAEFLKYINPKLPGLLELEYRGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPEKLVIIHEQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYDAEYIENQVLP
 VERILKAFGYRKEDLRYQKTKQVGLGAWLKVKGKK

FIG. 8-10

SEQ ID NO: 19

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVVKVRAEKVQKK
FLGRPIEVWKLYFNHPQDVPAIRDRIRAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFATLYHE
GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVSTEKEMIKRFLRVVREKDPDVLITYNGDNFDFAYLKKR
SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRHFDLYPVIRRTINLPTYTLEAVYEA VFGKPKKVKYAE EIA
QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
KPDRELARRRGYAGGYVKEPERGLWDNIVYLDERSAAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
FPGFIPSLGLDLLEERQKIKRKMKATVDPLEKKLLDYRQRTIKILANSFYGYGYAKARWYCKECAESVTAWGR
EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLLELEYKGFYVRGFFVTKK
KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEA VRIVKEVTEKLSKYEVPPPEKLV IHEQI
TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYIENQVLPA
VERILKAFGYRKEDLRYQTKQVGLGAWLKVKGKK

SEQ ID NO: 20

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVVKVRAEKVQKK
FLGRPIEVWKLYFNHPQDVPAIRDRIRAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFATLYHE
GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVSTEKEMIKRFLRVVREKDPDVLITYNGDNFDFAYLKKR
SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRHFDLYPVIRRTINLPTYTLEAVYEA VFGKPKKVKYAE EIA
QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
KPDRELARRRGYAGGYVKEPERGLWDNIVYLDERSAAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
FPGFIPSLGLDLLEERQKIKRKMKATVDPLEKKLLDYRQRTIKILANSFYGYGYAKARWYCKECAESVTALGR
EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLLELEYKGFYVRGFFVTKK
KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEA VRIVKEVTEKLSKYEVPPPEKLV IHEQI
TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYIENQVLPA
VERILKAFGYRKEDLRYQTKQVGLGAWLKVKGKK

FIG. 8-11

SEQ ID NO: 21

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFALLKDDSAIEDVKKVTAKRHGTVVVKRAEKVQKK
 FLGRPIEVWKLYFNHPQDVPAIRDRIRAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFAIATLYHE
 GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVVSTEEKEMIKRFLRVREKDDPDLITYNGDNDFAYLKKR
 SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRHFDLYPVIRRTINLPTYTLEAVEAVFGKPKKEKVYAEELIA
 QAWESGGLERVARYSMEDAKVTYELGREFFPMEQAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRRGYAGGYVKEPERGLWDNIVYLDERSAAVSIITHNVSPDTLNREGCKEYDVAPEVGHKFCKD
 FPGFIPSLGLDLEERQKIKRKMKATVDPLEKKLLDYRQRVIKILANSFYGGYAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELEYKGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPEKLVIEHQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKSGSRIGDRAIPADEFDPTKHRDYAEYYIENQVLPA
 VERILKAFGYRKEDLRYQTKQVGLGAWLKVKGKK

SEQ ID NO: 22

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFALLKDDSAIEDVKKVTAKRHGTVVVKRAEKVQKK
 FLGRPIEVWKLYFNHPQDVPAIRDRIRAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFAIATLYHE
 GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVVSTEEKEMIKRFLRVREKDDPDLITYNGDNDFAYLKKR
 SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRHFDLYPVIRRTINLPTYTLEAVEAVFGKPKKEKVYAEELIA
 QAWESGGLERVARYSMEDAKVTYELGREFFPMEQAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRRGYAGGYVKEPERGLWDNIVYLDERSAAVSIITHNVSPDTLNREGCKEYDVAPEVGHKFCKD
 FPGFIPSLGLDLEERQKIKRKMKATVDPLEKKLLDYRQRVIKILANSFYGGYAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKMPGLLELEYQGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPEKLVIEHQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKSGSRIGDRAIPADEFDPTKHRDYAEYYIENQVLPA
 VERTI.KAFGYRKEDT.RYOKTKOVGI.GAWT.KVKGKK

FIG. 8-12

SEQ ID NO: 23

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVVKVRAEKVQKK
FLGRPIEVWKLYFNHPQDVPAIRDRIRAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFAIATLYHE
GEFSGTGPILMISYADGSEARVITWKKIDLPYVDVVSTEEKEMIKRFLRVVREKDPDVLITYNGDNFDFAYLKKR
SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEA VFGKPKKEKVYAEEDIA
QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
KPDRELARRRGYAGGYVKEPERGLWDNIVYLDMRSAASIIITHNVSPDTLNREGCKEYDVAPEVGHKFKCD
FPGFIPSLLDLLEERQKIKRKMKA TVDPLEKKLLDYRQVRV KILANSFYGYGGA KARWYCKECAESVTAWGR
EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLLELEYEGFYVRGFFVTKK
KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEA VRIVKEVTEKLSKYEVPPPEKLV IHEQI
TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYYIENQVLP
VERILKAFGYRKEDLRYQKTKQVGLGAWLKVKGKK

SEQ ID NO: 24

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVVKVRAEKVQKK
FLGRPIEVWKLYFNHPQDVPAIRDRIRAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFAIATLYHE
GEFSGTGPILMISYADGSEARVITWKKIDLPYVDVVSTEEKEMIKRFLRVVREKDPDVLITYNGDNFDFAYLKKR
SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEA VFGKPKKEKVYAEEDIA
QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
KPDRELARRRGYAGGYVKEPERGLWDNIVYLDMRSAASIIITHNVSPDTLNREGCKEYDVAPEVGHKFKCD
FPGFIPSLLDLLEERQKIKRKMKA TVDPLEKKLLDYRQVRV KILANSFYGYGGA KARWYCKECAESVTAWGR
EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLLELEYEGFYVRGFFVTKK
KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEA VRIVKEVTEKLSKYEVPPPEKLV IHEQI
TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYYIENQVLP
VERILKAFGYRKEDLRYQKTKQVGLGAWLKVKGKK

FIG. 8-13

SEQ ID NO: 25

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVVKVRAEKVQKK
 FLGRPIEVWKL YFNHPQDVPAIRDRI RAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFATLYHE
 GEEFGTGPI LMISYADGSEARVITWKKIDLPYVDVSTEEKEMIKRFLRVVREKDPDVLITYNGDNFDFAYLKKR
 SEELGIKFTLGRD GSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEA VFGKPKK EKVYAE EIA
 QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRRGYAGGYVKEPERGLWDNIVYLDERSAAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSL LGDLLLEERQKIKRKMKA TVDPLEKKLLDYRQVRVIKILANSFYGYGGYAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAE TVKKKAKEFLKYINPKLPGLLELEYIGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEA VRIVKEVTEKLSKYEVPPPEKLV IHEQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTK HRYDAEY YIENQVLPA
 VERILKAFGYRKEDLRYQKTKQVGLGAWLKVKGKK

SEQ ID NO: 26

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVVKVRAEKVQKK
 FLGRPIEVWKL YFNHPQDVPAIRDRI RAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFATLYHE
 GEEFGTGPI LMISYADGSEARVITWKKIDLPYVDVSTEEKEMIKRFLRVVREKDPDVLITYNGDNFDFAYLKKR
 SEELGIKFTLGRD GSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEA VFGKPKK EKVYAE EIA
 QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRRGYAGGYVKEPERGLWDNIVYLDKRSAAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSL LGDLLLEERQKIKRKMKA TVDPLEKKLLDYRQVRVIKILANSFYGYGGYAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAE TVKKKAKEFLKYINPKLPGLLELEYEGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEA VRIVKEVTEKLSKYEVPPPEKLV IHEQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTK HRYDAEY YIENQVLPA
 VERILKAFGYRKEDLRYQKTKQVGLGAWLKVKGKK

FIG. 8-14

SEQ ID NO: 27

MILDTDYITENGKPVIRVFKKENGFEFKIEYDRTFEPYFALLKDDSAIEDVKKVTAKRHGTVVKKRAEKVQKK
 FLGRPIEVWKL YFNHPQDVPAIRDRI RAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAIAIATLYHE
 GEEFGTGPIILMISYADGSEARVITWKKIDLPYVDVVSTEEKEMIKRFLRVVREKDDPDLITYNGDNDFAYLKKR
 SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEAVFGKPKKEKVYAEIEIA
 QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRRGYAGGYVKEPERGLWDNIVYLDLRLAAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSLLDLLEERQKIKRKMKATVDPLEKKLLDYRQVRVILANSFYGYGGYAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELEYEGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPEKLVIEHQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYYIENQVLP
 VERILKAFGYRKEDLRYQKTKQVGLGAWLKVKGKK

SEQ ID NO: 28

MILDTDYITENGKPVIRVFKKENGFEFKIEYDRTFEPYFALLKDDSAIEDVKKVTAKRHGTVVKKRAEKVQKK
 FLGRPIEVWKL YFNHPQDVPAIRDRI RAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAIAIATLYHE
 GEEFGTGPIILMISYADGSEARVITWKKIDLPYVDVVSTEEKEMIKRFLRVVREKDDPDLITYNGDNDFAYLKKR
 SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEAVFGKPKKEKVYAEIEIA
 QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRRGYAGGYVKEPERGLWDNIVYLDLRLAAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSLLDLLEERQKIKRKMKATVDPLEKKLLDYRQVRVILANSFYGYGGYAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELEYEGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPEKLVIEHQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYYIENQVLP
 VERILKAFGYRKEDLRYQKTKQVGLGAWLKVKGKK

FIG. 8-15

SEQ ID NO: 29

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVVKVRAEKVQKK
 FLGRPIEVWKL YFNHPQDVPAIRDRI RAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFATLYHE
 GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVVSTEEKEMIKRFLRVVREKDPDVLITYNGDNFDFAYLKKR
 SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEAVFGKPKKEKYAEEIA
 QAWESGGLERVARYSMEDAKVTYELGREFFPMEAOQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRRGYAGGYVKEPERGLWDNIVYLDMSAAISIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSLGLDLEERQKIKRKMKATVDPLEKKLLDYRQRVIKILANSFYGGYAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELEYKGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPPEKLVIEHQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKSGSRIGDRAIPADEFDPTKHRDYAEYYIENQVLPA
 VERILKAFGYRKEDLRYQTKQVGLGAWLKVKGKK

SEQ ID NO: 30

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPYFYALLKDDSAIEDVKKVTAKRHGTVVVKVRAEKVQKK
 FLGRPIEVWKL YFNHPQDVPAIRDRI RAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFATLYHE
 GEEFGTGPILMISYADGSEARVITWKKIDLPYVDVVSTEEKEMIKRFLRVVREKDPDVLITYNGDNFDFAYLKKR
 SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEAVFGKPKKEKYAEEIA
 QAWESGGLERVARYSMEDAKVTYELGREFFPMEAOQLSRLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNELAPN
 KPDERELARRRGYAGGYVKEPERGLWDNIVYMDFRSSAVSIIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSLGLDLEERQKIKRKMKATVDPLEKKLLDYRQRVIKILANSFYGYMGYAKARWYCKECAESVTAWGR
 EYIEMVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELEYEGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRDWSEIAKETQARVLEAILKGGDVEEAVRIVKEVTEKLSKYEVPPPEKLVIEHQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKSGSRIGDRAIPADEFDPTKHRDYAEYYIENQVLPA
 VERILKAFGYRKEDLRYQTKQVGLGAWLKVKGKK

FIG. 8-16

SEQ ID NO: 31

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPFYALLKDDSAIEDVKKVTAKRHGTVVVKVRAEKVQKK
 FLGRPIEVWKL YFNHPQDVPAIRDRI RAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFAIATLYHE
 GEEFGTGPIILMISYADGSEARVITWKKIDLPYVDVVSTEEKEMIKRFLRVVREKDDVLITYNGDNDFAYLKKR
 SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEAVFGKPKKVIYAEIEIA
 QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAOQLSRLLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNE LAPN
 KPDERELARRRGGYAGGYVKEPERGLWDNIVYLDIRSAAPSMIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSLGLDLLEERQKIKRKMKA TVDPLEKKLLDYRQRVIKILANSFYGGYAKARWYCKECAESVAAWGR
 EYAE MVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELEYEGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRD WSEIAKETQARVLEAILKGGDVEEA VRIVKEVTEKLSKYEVPPPEKLV IHEQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYIENQVLP A
 VERILKAFGYRKEDLRYQTKQVGLGAWLKVKGKK

SEQ ID NO: 32

MILDTDYITENGKPVIRVFKKENGFEKIEYDRTFEPFYALLKDDSAIEDVKKVTAKRHGTVVVKVRAEKVQKK
 FLGRPIEVWKL YFNHPQDVPAIRDRI RAHPAVVDIYEYDIPFAKRYLIDKGLIPAEGDEELTMLAFAIATLYHE
 GEEFGTGPIILMISYADGSEARVITWKKIDLPYVDVVSTEEKEMIKRFLRVVREKDDVLITYNGDNDFAYLKKR
 SEELGIKFTLGRDSEPKIQRMGDYFAVEVKGRIHFDLYPVIRRTINLPTYTLEAVYEAVFGKPKKVIYAEIEIA
 QAWESGEGLERVARYSMEDAKVTYELGREFFPMEAOQLSRLLIGQSLWDVSRSSKGNLVEWFLLRKAYKRNE LAPN
 KPDERELARRRGGYAGGYVKEPERGLWDNIVYLDLRSSAVSTIITHNVSPDTLNREGCKEYDVAPEVGHKFCCKD
 FPGFIPSLGLDLLEERQKIKRKMKA TVDPLEKKLLDYRQRVIKILANSFYGGYAKARWYCKECAESVAAWGR
 EYAE MVIRELEEKFGFKVLYADTDGLHATIPGADAETVKKKAKEFLKYINPKLPGLLELEYEGFYVRGFFVTKK
 KYAVIDDEGKITTRGLEIVRRD WSEIAKETQARVLEAILKGGDVEEA VRIVKEVTEKLSKYEVPPPEKLV IHEQI
 TRDLRDYKATGPHVAVAKRLAARGVKIRPGTVISYIVLKGSGRIGDRAIPADEFDPTKHRDYAEYIENQVLP A
 VERILKAFGYRKEDLRYQTKQVGLGAWLKVKGKK