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T-COFFEE, Version_11.00.d625267 (2016-01-11 15:25:41 - Revision d625267 - Build 507)
Cedric Notredame
CPU TIME:0 sec.
SCORE=1000
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BAD AVG GOOD
*
GA_CAD86C_Var1    : 100
GA_CAD86C_Var2    : 100
GA_CAD86C_Var3    : 100
GA_CAD86C_Var4    : 100
GA_CAD86C_Var5    : 100
CAD86C_Ref        : 100
cons              : 100


GA_CAD86C_Var1    MLETLLWPRHTEINRMTFALALVVVWWAVGASAGEPVFDPSTLMRLVLVPADVPVGSVIYRVRASD
GA_CAD86C_Var2    MLETLLWPRHTEINRMTFALALVVVWWAVGASAGEPVFDPSTLMRLVLVPADVPVGSVIYRVRASD
GA_CAD86C_Var3    MLETLLWPRHTEINRMTFALALVVVWWAVGASAGEPVFDPSTLMRLVLVPADVPVGSVIYRVRASD
GA_CAD86C_Var4    MLETLLWPRHTEINRMTFALALVVVWWAVGASAGEPVFDPSTLMRLVLVPADVPVGSVIYRVRASD
GA_CAD86C_Var5    MLETLLWPRHTEINRMTFALALVVVWWAVGASAGEPVFDPSTLMRLVLVPADVPVGSVIYRVRASD
CAD86C_Ref        MLETLLWPRHTEINRMTFALALVVVWWAVGASAGEPVFDPSTLMRLVLVPADVPVGSVIYRVRASD

cons              *****************************************************************


GA_CAD86C_Var1    PDFDYPLHFELIGQMGRLDIGVETLPCTRYNSVCQANIILLRRLEPGRYVDFRLSVRNTRGRSSRI
GA_CAD86C_Var2    PDFDYPLHFELIGQMGRLDIGVETLPCTRYNSVCQANIILLRRLEPGRYVDFRLSVRNTRGRSSRI
GA_CAD86C_Var3    PDFDYPLHFELIGQMGRLDIGVETLPCTRYNSVCQANIILLRRLEPGRYVDFRLSVRNTRGRSSRI
GA_CAD86C_Var4    PDFDYPLHFELIGQMGRLDIGVETLPCTRYNSVCQANIILLRRLEPGRYVDFRLSVRNTRGRSSRI
GA_CAD86C_Var5    PDFDYPLHFELIGQMGRLDIGVETLPCTRYNSVCQANIILLRRLEPGRYVDFRLSVRNTRGRSSRI
CAD86C_Ref        PDFDYPLHFELIGQMGRLDIGVETLPCTRYNSVCQANIILLRRLEPGRYVDFRLSVRNTRGRSSRI

cons              *****************************************************************


GA_CAD86C_Var1    ACSVTGTNATTPRDTIFPHQPGIILVPEDAKRGTDLEIVIARKNPVTPKPLELELWGSPLFAIRQR
GA_CAD86C_Var2    ACSVTGTNATTPRDTIFPHQPGIILVPEDAKRGTDLEIVIARKNPVTPKPLELELWGSPLFAIRQR
GA_CAD86C_Var3    ACSVTGTNATTPRDTIFPHQPGIILVPEDAKRGTDLEIVIARKNPVTPKPLELELWGSPLFAIRQR
GA_CAD86C_Var4    ACSVTGTNATTPRDTIFPHQPGIILVPEDAKRGTDLEIVIARKNPVTPKPLELELWGSPLFAIRQR
GA_CAD86C_Var5    ACSVTGTNATTPRDTIFPHQPGIILVPEDAKRGTDLEIVIARKNPVTPKPLELELWGSPLFAIRQR
CAD86C_Ref        ACSVTGTNATTPRDTIFPHQPGIILVPEDAKRGTDLEIVIARKNPVTPKPLELELWGSPLFAIRQR

cons              *****************************************************************


GA_CAD86C_Var1    RVSAENTEGTIFLVGPLDFEAQSMYHLTLLAVDPFIEIGKDTRNIAGLEVVVVVQDVQDMPPVFTA
GA_CAD86C_Var2    RVSAENTEGTIFLVGPLDFEAQSMYHLTLLAVDPFIEIGKDTRNIAGLEVVVVVQDVQDMPPVFTA
GA_CAD86C_Var3    RVSAENTEGTIFLVGPLDFEAQSMYHLTLLAVDPFIEIGKDTRNIAGLEVVVVVQDVQDMPPVFTA
GA_CAD86C_Var4    RVSAENTEGTIFLVGPLDFEAQSMYHLTLLAVDPFIEIGKDTRNIAGLEVVVVVQDVQDMPPVFTA
GA_CAD86C_Var5    RVSAENTEGTIFLVGPLDFEAQSMYHLTLLAVDPFIEIGKDTRNIAGLEVVVVVQDVQDMPPVFTA
CAD86C_Ref        RVSAENTEGTIFLVGPLDFEAQSMYHLTLLAVDPFIEIGKDTRNIAGLEVVVVVQDVQDMPPVFTA

cons              *****************************************************************


GA_CAD86C_Var1    APPITHLPRQVAPGDMVVRVRAEDGDKGAPRQIRYGLVSEGNPFTPFFNINETSGEVTLERPIEEI
GA_CAD86C_Var2    APPITHLPRQVAPGDMVVRVRAEDGDKGAPRQIRYGLVSEGNPFTPFFNINETSGEVTLERPIEEI
GA_CAD86C_Var3    APPITHLPRQVAPGDMVVRVRAEDGDKGAPRQIRYGLVSEGNPFTPFFNINETSGEVTLERPIEEI
GA_CAD86C_Var4    APPITHLPRQVAPGDMVVRVRAEDGDKGAPRQIRYGLVSEGNPFTPFFNINETSGEVTLERPIEEI
GA_CAD86C_Var5    APPITHLPRQVAPGDMVVRVRAEDGDKGAPRQIRYGLVSEGNPFTPFFNINETSGEVTLERPIEEI
CAD86C_Ref        APPITHLPRQVAPGDMVVRVRAEDGDKGAPRQIRYGLVSEGNPFTPFFNINETSGEVTLERPIEEI

cons              *****************************************************************


GA_CAD86C_Var1    AAISHAGAPILLTVVAEEVRLSREEPEAMSSTVQLAFILPERENSPPYFENQFYITYLDENAPQGT
GA_CAD86C_Var2    AAISHAGAPILLTVVAEEVRLSREEPEAMSSTVQLAFILPERENSPPYFENQFYITYLDENAPQGT
GA_CAD86C_Var3    AAISHAGAPILLTVVAEEVRLSREEPEAMSSTVQLAFILPERENSPPYFENQFYITYLDENAPQGT
GA_CAD86C_Var4    AAISHAGAPILLTVVAEEVRLSREEPEAMSSTVQLAFILPERENSPPYFENQFYITYLDENAPQGT
GA_CAD86C_Var5    AAISHAGAPILLTVVAEEVRLSREEPEAMSSTVQLAFILPERENSPPYFENQFYITYLDENAPQGT
CAD86C_Ref        AAISHAGAPILLTVVAEEVRLSREEPEAMSSTVQLAFILPERENSPPYFENQFYITYLDENAPQGT

cons              *****************************************************************


GA_CAD86C_Var1    ALMFSDPYIPQVNDNDAGKNGVFSLSLVGNNGTFEISPTVAERHAQFIIKVRDNTMLDFEARKSVV
GA_CAD86C_Var2    ALMFSDPYIPQVNDNDAGKNGVFSLSLVGNNGTFEISPTVAERHAQFIIKVRDNTMLDFEARKSVV
GA_CAD86C_Var3    ALMFSDPYIPQVNDNDAGKNGVFSLSLVGNNGTFEISPTVAERHAQFIIKVRDNTMLDFEARKSVV
GA_CAD86C_Var4    ALMFSDPYIPQVNDNDAGKNGVFSLSLVGNNGTFEISPTVAERHAQFIIKVRDNTMLDFEARKSVV
GA_CAD86C_Var5    ALMFSDPYIPQVNDNDAGKNGVFSLSLVGNNGTFEISPTVAERHAQFIIKVRDNTMLDFEARKSVV
CAD86C_Ref        ALMFSDPYIPQVNDNDAGKNGVFSLSLVGNNGTFEISPTVAERHAQFIIKVRDNTMLDFEARKSVV
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cons          ****************************************************************

GA_CAD86C_Var1  FQILAQELGPATNLSVTANVTVYLNDVNDNPPIFLAQSYDVELPENVTAGTKVVQVAADDVDTGAF
GA_CAD86C_Var2  FQILAQELGPATNLSVTANVTVYLNDVNDNPPIFLAQSYDVELPENVTAGTKVVQVAADDVDTGAF
GA_CAD86C_Var3  FQILAQELGPATNLSVTANVTVYLNDVNDNPPIFLAQSYDVELPENVTAGTKVVQVAADDVDTGAF
GA_CAD86C_Var4  FQILAQELGPATNLSVTANVTVYLNDVNDNPPIFLAQSYDVELPENVTAGTKVVQVAADDVDTGAF
GA_CAD86C_Var5  FQILAQELGPATNLSVTANVTVYLNDVNDNPPIFLAQSYDVELPENVTAGTKVVQVAADDVDTGAF
CAD86C_Ref      FQILAQELGPATNLSVTANVTVYLNDVNDNPPIFLAQSYDVELPENVTAGTKVVQVAADDVDTGAF

cons          ****************************************************************

GA_CAD86C_Var1  GKVQFTAILGYLNTSLNLDPISGVITVATNNHGFDREAMPDLHFLVEARDNDGVGLRVTVPLIIKL
GA_CAD86C_Var2  GKVQFTAILGYLNTSLNLDPISGVITVATNNHGFDREAMPDLHFLVEARDNDGVGLRVTVPLIIKL
GA_CAD86C_Var3  GKVQFTAILGYLNTSLNLDPISGVITVATNNHGFDREAMPDLHFLVEARDNDGVGLRVTVPLIIKL
GA_CAD86C_Var4  GKVQFTAILGYLNTSLNLDPISGVITVATNNHGFDREAMPDLHFLVEARDNDGVGLRVTVPLIIKL
GA_CAD86C_Var5  GKVQFTAILGYLNTSLNLDPISGVITVATNNHGFDREAMPDLHFLVEARDNDGVGLRVTVPLIIKL
CAD86C_Ref      GKVQFTAILGYLNTSLNLDPISGVITVATNNHGFDREAMPDLHFLVEARDNDGVGLRVTVPLIIKL

cons          ****************************************************************

GA_CAD86C_Var1  LDVNDNPPEFERSLYEFVLSPSLNNFTSAAFVKAVDRDSEPPNNIVRYEIIQGNGDGKFAINEDTG
GA_CAD86C_Var2  LDVNDNPPEFERSLYEFVLSPSLNNFTSAAFVKAVDRDSEPPNNIVRYEIIQGNGDGKFAINEDTG
GA_CAD86C_Var3  LDVNDNPPEFERSLYEFVLSPSLNNFTSAAFVKAVDRDSEPPNNIVRYEIIQGNGDGKFAINEDTG
GA_CAD86C_Var4  LDVNDNPPEFERSLYEFVLSPSLNNFTSAAFVKAVDRDSEPPNNIVRYEIIQGNGDGKFAINEDTG
GA_CAD86C_Var5  LDVNDNPPEFERSLYEFVLSPSLNNFTSAAFVKAVDRDSEPPNNIVRYEIIQGNGDGKFAINEDTG
CAD86C_Ref      LDVNDNPPEFERSLYEFVLSPSLNNFTSAAFVKAVDRDSEPPNNIVRYEIIQGNGDGKFAINEDTG

cons          ****************************************************************

GA_CAD86C_Var1  ELYLLEALKRTKKQNVHRRRRQSNDQEESEVFVLTIRAYDLGVPRLSSTTIAKVYPPESKTRTMSF
GA_CAD86C_Var2  ELYLLEALKRTKKQNVHRRRRQSNDQEESEVFVLTIRAYDLGVPRLSSTTIAKVYPPESKTRTMSF
GA_CAD86C_Var3  ELYLLEALKRTKKQNVHRRRRQSNDQEESEVFVLTIRAYDLGVPRLSSTTIAKVYPPESKTRTMSF
GA_CAD86C_Var4  ELYLLEALKRTKKQNVHRRRRQSNDQEESEVFVLTIRAYDLGVPRLSSTTIAKVYPPESKTRTMSF
GA_CAD86C_Var5  ELYLLEALKRTKKQNVHRRRRQSNDQEESEVFVLTIRAYDLGVPRLSSTTIAKVYPPESKTRTMSF
CAD86C_Ref      ELYLLEALKRTKKQNVHRRRRQSNDQEESEVFVLTIRAYDLGVPRLSSTTIAKVYPPESKTRTMSF

cons          ****************************************************************

GA_CAD86C_Var1  IVPGANPDKKKLEEVLSTLSGGKVTIIDIKPYRGSDNTATDLNGQESSQEKSEVIAVVRMSGNTAI
GA_CAD86C_Var2  IVPGANPDKKKLEEVLSTLSGGKVTIIDIKPYRGSDNTATDLNGQESSQEKSEVIAVVRMSGNTAI
GA_CAD86C_Var3  IVPGANPDKKKLEEVLSTLSGGKVTIIDIKPYRGSDNTATDLNGQESSQEKSEVIAVVRMSGNTAI
GA_CAD86C_Var4  IVPGANPDKKKLEEVLSTLSGGKVTIIDIKPYRGS-----DLNGQESSQEKSEVIAVVRMSGNTAI
GA_CAD86C_Var5  IVPGANPDKKKLEEVLSTLSGGKVTIIDIKPYRGS-----DLNGQESSQEKSEVIAVVRMSGNTAI
CAD86C_Ref      IVPGANPDKKKLEEVLSTLSGGKVTIIDIKPYRGSDNTATDLNGQESSQEKSEVIAVVRMSGNTAI

cons          ************************************      ************************

GA_CAD86C_Var1  NVAKLQEQLAKNVTIYTTGTNSGGVINTGTGSGSNSGKSDHASTADGSDSGLYRAESRLLFWLLIL
GA_CAD86C_Var2  NVAKLQEQLAKNVTIYTTGTNSGGVINTGTGSGSNSGKSDHASTADGSDSGLYRAESRLLFWLLIL
GA_CAD86C_Var3  NVAKLQEQLAKNVTIYTTGTNSGGVINTGTGSGSNSGKSDHASTADGSDSGLYRAESRLLFWLLIL
GA_CAD86C_Var4  NVAKLQEQLAKNVTIYTTGTNSGGVINTGTGSGSNSGKSDHASTADGSDSGLYRAESRLLFWLLIL
GA_CAD86C_Var5  NVAKLQEQLAKNVTIYTTGTNSGGVINTGTGSGSNSGKSDHASTADGSDSGLYRAESRLLFWLLIL
CAD86C_Ref      NVAKLQEQLAKNVTIYTTGTNSGGVINTGTGSGSNSGKSDHASTADGSDSGLYRAESRLLFWLLIL

cons          ****************************************************************

GA_CAD86C_Var1  LAILVALVLLLLICCCICEGCPLYMPPRKRVIRVNSTEDDVHLVVRDKGLGRENKSTQNIENKSIQ
GA_CAD86C_Var2  LAILVALVLLLLICCCICEGCPLYMPPRLKCTNM-------------------------------
GA_CAD86C_Var3  LAILVALVLLLLICCCICEGCPLYMPPRLKCTN--------------------------------
GA_CAD86C_Var4  LAILVALVLLLLICCCICEGCPLYMPPRKRVIRVNSTEDDVHLVVRDKGLGRENKSTQNIENKSIQ
GA_CAD86C_Var5  LAILVALVLLLLICCCICEGCPLYMPPRLKCTN--------------------------------
CAD86C_Ref      LAILVALVLLLLICCCICEGCPLYMPPRKRVIRVNSTEDDVHLVVRDKGLGRENKSTQNIENKSIQ

cons          **************************** :    .

GA_CAD86C_Var1  ANEWRRREAWSAEQADLRTKPTQWKFNKRNHRSNKEPSKPASTPGDIHQEFVHTAADNDYRYNDNR
GA_CAD86C_Var2  ----------------------------------------------------------------
GA_CAD86C_Var3  ----------------------------------------------------------------
GA_CAD86C_Var4  ANEWRRREAWSAEQADLRTKPTQWKFNKRNHRSNKEPSKPASTPGDIHQEFVHTAADNDYRYNDNR
GA_CAD86C_Var5  ----------------------------------------------------------------
CAD86C_Ref      ANEWRRREAWSAEQADLRTKPTQWKFNKRNHRSNKEPSKPASTPGDIHQEFVHTAADNDYRYNDNR
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cons


GA_CAD86C_Var1    QSFRRDGPNIIYTKEMQLQEAFANKHKEYIEDLENGYDRIATLHYQRREQDNDSIRRHEIDRGSEV
GA_CAD86C_Var2    ---------------QLQEAFANKHKEYIEDLENGYDRIATLHYQRREQDNDSIRRHEIDRGSEV
GA_CAD86C_Var3    -----------------------------------------------------------------
GA_CAD86C_Var4    QSFRRDGPNIIYTKEMQLQEAFANKHKEYIEDLENGYDRIATLHYQRREQDNDSIRRHEIDRGSEV
GA_CAD86C_Var5    -----------------------------------------------------------------
CAD86C_Ref        QSFRRDGPNIIYTKEMQLQEAFANKHKEYIEDLENGYDRIATLHYQRREQDNDSIRRHEIDRGSEV

cons


GA_CAD86C_Var1    GVFLKSDVDKNLHDKTDSKTKHEYSEKVRAPSTHGRDQYFIKEGNTEILRLVTRGKNEEERYVNLP
GA_CAD86C_Var2    GVFLKSDVDKNLHDKTDSKTKHEYSEKVRAPSTHGRDQYFIKEGNTEILRLVTRGKNEEERYVNLP
GA_CAD86C_Var3    -----------------------------------------------------------------
GA_CAD86C_Var4    GVFLKSDVDKNLHDKTDSKTKHEYSEKVRAPSTHGRDQYFIKEGNTEILRLVTRGKNEEERYVNLP
GA_CAD86C_Var5    -----------------------------------------------------------------
CAD86C_Ref        GVFLKSDVDKNLHDKTDSKTKHEYSEKVRAPSTHGRDQYFIKEGNTEILRLVTRGKNEEERYVNLP

cons


GA_CAD86C_Var1    AQQQRPVTLIPHTQYVVVDSGKNLLMERFIREQGEEAKNIRERMSKVTDLDNISNGKDAKSYGQRS
GA_CAD86C_Var2    AQQQRPVTLIPHTQYVVVDSGKNLLMERFIREQGEEAKNIRERMSKVTDLDNISNGKDAKSYGQRS
GA_CAD86C_Var3    -----------------------------------------------------------------
GA_CAD86C_Var4    AQQQRPVTLIPHTQYVVVDSGKNLLMERFIREQGEEAKNIRERMSKVTDLDNISNGKDAKSYGQRS
GA_CAD86C_Var5    -----------------------------------------------------------------
CAD86C_Ref        AQQQRPVTLIPHTQYVVVDSGKNLLMERFIREQGEEAKNIRERMSKVTDLDNISNGKDAKSYGQRS

cons


GA_CAD86C_Var1    QVGSEGQNQFHEYTNLHPEVPGTVPLKTDYLQSALLEMQNKSTIHQELLESSLRKQNELLHQILIE
GA_CAD86C_Var2    QVGSEGQNQFHEYTNLHPEVPGTVPLKTDYLQSALLEMQNKSTIHQELLESSLRKQNELLHQILIE
GA_CAD86C_Var3    -----------------------------------------------------------------
GA_CAD86C_Var4    QVGSEGQNQFHEYTNLHPEVPGTVPLKTDYLQSALLEMQNKSTIHQELLESSLRKQNELLHQILIE
GA_CAD86C_Var5    -----------------------------------------------------------------
CAD86C_Ref        QVGSEGQNQFHEYTNLHPEVPGTVPLKTDYLQSALLEMQNKSTIHQELLESSLRKQNELLHQILIE

cons


GA_CAD86C_Var1    RERMLQNQETASQVESKLETQSLPGHSVMATQTECHIGTQTEPQLMKPTRRKARSDNDSYSEDESQ
GA_CAD86C_Var2    RERMLQNQETASQVESKLETQSLPGHSVMATQTECHIGTQTEPQLMKPTRRKARSDNDSYSEDESQ
GA_CAD86C_Var3    -----------------------------------------------------------------
GA_CAD86C_Var4    RERMLQNQETASQVESKLETQSLPGHSVMATQTECHIGTQTEPQLMKPTRRKARSDNDSYSEDESQ
GA_CAD86C_Var5    -----------------------------------------------------------------
CAD86C_Ref        RERMLQNQETASQVESKLETQSLPGHSVMATQTECHIGTQTEPQLMKPTRRKARSDNDSYSEDESQ

cons


GA_CAD86C_Var1    MVVEDETKKVAWVKKRKPKKKLKHKDPRRSMRVYDLSRKIKTPILEESEVSPSLESEKHIKISKTN
GA_CAD86C_Var2    MVVEDETKKVAWVKKRKPKKKLKHKDPRRSMRVYDLSRKIKTPILEESEVSPSLESEKHIKISKTN
GA_CAD86C_Var3    -----------------------------------------------------------------
GA_CAD86C_Var4    MVVEDETKKVAWVKKRKPKKKLKHKDPRRSMRVYDLSRKIKTPILEESEVSPSLESEKHIKISKTN
GA_CAD86C_Var5    -----------------------------------------------------------------
CAD86C_Ref        MVVEDETKKVAWVKKRKPKKKLKHKDPRRSMRVYDLSRKIKTPILEESEVSPSLESEKHIKISKTN

cons


GA_CAD86C_Var1    EREEHIKNYGDMTRSTVTTSKNETVSSTQIKISDSDRKSRLRRDVLMEISDSIDDKVESDISDRRL
GA_CAD86C_Var2    EREEHIKNYGDMTRSTVTTSKNETVSSTQIKISDSDRKSRLRRDVLMEISDSIDDKVESDISDRRL
GA_CAD86C_Var3    -----------------------------------------------------------------
GA_CAD86C_Var4    EREEHIKNYGDMTRSTVTTSKNETVSSTQIKISDSDRKSRLRRDVLMEISDSIDDKVESDISDRRL
GA_CAD86C_Var5    -----------------------------------------------------------------
CAD86C_Ref        EREEHIKNYGDMTRSTVTTSKNETVSSTQIKISDSDRKSRLRRDVLMEISDSIDDKVESDISDRRL

cons


GA_CAD86C_Var1    RLQKQFSVTTDDTQLKSPLAIENDSNDNKSRSSSASKDHRNLVFSRQGSSTEAREIAAEHSSAKSK
GA_CAD86C_Var2    RLQKQFSVTTDDTQLKSPLAIENDSNDNKSRSSSASKDHRNLVFSRQGSSTEAREIAAEHSSAKSK
GA_CAD86C_Var3    -----------------------------------------------------------------
GA_CAD86C_Var4    RLQKQFSVTTDDTQLKSPLAIENDSNDNKSRSSSASKDHRNLVFSRQGSSTEAREIAAEHSSAKSK
GA_CAD86C_Var5    -----------------------------------------------------------------
CAD86C_Ref        RLQKQFSVTTDDTQLKSPLAIENDSNDNKSRSSSASKDHRNLVFSRQGSSTEAREIAAEHSSAKSK
```

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cons


GA_CAD86C_Var1    SSDVEAQSSKLDSPSNPEPSKRVNEASESTKSSESVKPTQKSLPRYMQWYGKKSAAAKSTPAEKVV
GA_CAD86C_Var2    SSDVEAQSSKLDSPSNPEPSKRVNEASESTKSSESVKPTQKSLPRYMQWYGKKSAAAKSTPAEKVV
GA_CAD86C_Var3    ------------------------------------------------------------------
GA_CAD86C_Var4    SSDVEAQSSKLDSPSNPEPSKRVNEASESTKSSESVKPTQKSLPRYMQWYGKKSAAAKSTPAEKVV
GA_CAD86C_Var5    ------------------------------------------------------------------
CAD86C_Ref        SSDVEAQSSKLDSPSNPEPSKRVNEASESTKSSESVKPTQKSLPRYMQWYGKKSAAAKSTPAEKVV

cons


GA_CAD86C_Var1    PSKPKRSSKTKNDDDKVGRYGKIMNKDTQGDSEVKKNFKSKESEFIHPRILKEEKVTPVPEGPLPD
GA_CAD86C_Var2    PSKPKRSSKTKNDDDKVGRYGKIMNKDTQGDSEVKKNFKSKESEFIHPRILKEEKVTPVPEGPLPD
GA_CAD86C_Var3    -----------------------------------------------------------------
GA_CAD86C_Var4    PSKPKRSSKTKNDDDKVGRYGKIMNKDTQGDSEVKKNFKSKESEFIHPRILKEEKVTPVPEGPLPD
GA_CAD86C_Var5    -----------------------------------------------------------------
CAD86C_Ref        PSKPKRSSKTKNDDDKVGRYGKIMNKDTQGDSEVKKNFKSKESEFIHPRILKEEKVTPVPEGPLPD

cons


GA_CAD86C_Var1    VHPLLQHSEHRYEHQYENQNPLCYIQPTHIPKYLGQQPMPRKQAPEQQPIYVNQDDVKEPTQDIAE
GA_CAD86C_Var2    VHPLLQHSEHRYEHQYENQNPLCYIQPTHIPKYLGQQPMPRKQAPEQQPIYVNQDDVKEPTQDIAE
GA_CAD86C_Var3    -----------------------------------------------------------------
GA_CAD86C_Var4    VHPLLQHSEHRYEHQYENQNPLCYIQPTHIPKYLGQQPMPRKQAPEQQPIYVNQDDVKEPKQDIAE
GA_CAD86C_Var5    ----------------------------------------------------------------
CAD86C_Ref        VHPLLQHSEHRYEHQYENQNPLCYIQPTHIPKYLGQQPMPRKQAPEQQPIYVNQDDVKEPTQDIAE

cons


GA_CAD86C_Var1    SALTHSISISTSYEEDRKNPEVHVSKINIGGDNIPDIAHRSVTSKIDDNDSGIAMNTLVQQNNTKR
GA_CAD86C_Var2    SALTHSISISTSYEEDRKNPEVHVSKINIGGDNIPDIAHRSVTSKIDDNDSGIAMNTLVQQNNTKR
GA_CAD86C_Var3    -----------------------------------------------------------------
GA_CAD86C_Var4    SALTHSISISTSYEEDRKNPEVHVSKINIGGDNIPDIAHRSVTSKIDDNDSGIAMNTLVQQNNTKR
GA_CAD86C_Var5    -----------------------------------------------------------------
CAD86C_Ref        SALTHSISISTSYEEDRKNPEVHVSKINIGGDNIPDIAHRSVTSKIDDNDSGIAMNTLVQQNNTKR

cons


GA_CAD86C_Var1    LPITEKKSVFTIAYDDVQTKQLRPDSSSTSY
GA_CAD86C_Var2    LPITEKKSVFTIAYDDVQTKQLRPDSSSTSY
GA_CAD86C_Var3    -------------------------------
GA_CAD86C_Var4    LPITEKKSVFTIAYDDVQTKQLRPDSSSTSY
GA_CAD86C_Var5    -------------------------------
CAD86C_Ref        LPITEKKSVFTIAYDDVQTKQLRPDSSSTSY

cons
```