

SEQUENCE LISTING

<110> CHUGAI SEIYAKU KABUSHIKI KAISHA

<120> Composition for translation, and method for producing peptide

<130> C1-A2016P

<150> PCT/JP2019/051241

<151> 2019-12-26

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<170> PatentIn version 3.5

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cccuagggg acgc 74

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cccuagggg acgc 74

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cccuagggg acgc 74

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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cgguucgag 60

ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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ucccguccgu uccgc 75

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cgguucgag 60

ucccguccgu uccgc 75

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ccagucagag ccgc 74

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ugguucgagu 60

ccagucagag ccgc 74

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ugguucgagu 60

ccagucagag ccgc 74

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ccagucagag ccgc 74

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ccagucagag ccgc 74

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ccagucagag ccgc 74

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ccagucagag ccgc 74

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ccagucagag ccgc 74

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ccagucagag ccgc 74

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ccagucagag ccgc 74

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ccagucagag ccgc 74

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ccagucagag ccgc 74

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ugguucgagu 60

ccagucagag ccgc 74

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ugguucgagu 60

ccagucagag ccgc 74

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ccagucagag ccgc 74

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ccagucagag ccgc 74

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ccagucagag ccgc 74

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ccagucagag ccgc 74

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ccagucagag ccgc 74

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ccccuagggg acgc 74

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cccuagggg acgc 74

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cccuagggg acgc 74

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cccuagggg acgc 74

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ucgguucaa 60

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cgguucgag 60

ucccguccgu uccgc 75

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ugguucgagu 60

ccagucagag ccgc 74

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cgguuucgag 60

ucccguccgu uccgc 75

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<222> (34)..(34)

<223> n = lysidine (2-lysylcytidine)

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33

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tattggtttt ctgattattc cgattgggta agcttcg 97

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tattctattt gggattattc cgattctata agcttcg 97

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gauugguuua gcuucg

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uauugguuua gcuucg

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uauugguuua gcuucg

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guauuauucc 60

gauucuaauaa gcuucg

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ggauuauucc 60

gauucuaauaa gcuucg

76

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gaauuauucc 60

gauucuaaua gcuucg

76

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uaauuauucc 60

gauugguuua gcuucg

76

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Thr Gly Ala

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<222> (8)..(8)

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<222> (8)..(8)

<223> Xaa = MeHPh

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1 5 10

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<211> 13

<212> PRT

<213> Artificial sequence

<220>

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<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> Xaa = BdpF

<220>

<221> MISC_FEATURE

<222> (8)..(8)

<223> Xaa = Pic2

<400> 245

Xaa Thr Phe Ile Ile Leu Phe Xaa Ile Ile Pro Ile Leu
1 5 10

<210> 246
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> an artificially synthesized sequence

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa = BdpF

<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> Xaa = MeG

<400> 246

Xaa Thr Phe Ile Ile Leu Phe Xaa Ile Ile Pro Ile Leu
1 5 10

<210> 247
<211> 13
<212> PRT

<213> Artificial sequence

<220>

<223> an artificially synthesized sequence

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<222> (1)..(1)

<223> Xaa = BdpF

<220>

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<222> (8)..(8)

<223> Xaa = nBuG

<400> 247

Xaa Thr Phe Ile Ile Leu Phe Xaa Ile Ile Pro Ile Leu

1

5

10

<210> 248

<211> 13

<212> PRT

<213> Artificial sequence

<220>

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<222> (1)..(1)

<223> Xaa = BdpF

<220>

<221> MISC_FEATURE

<222> (8)..(8)

<223> Xaa = dA

<400> 248

Xaa Thr Phe Ile Ile Leu Phe Xaa Ile Ile Pro Ile Leu

1

5

10

<210> 249

<211> 13

<212> PRT

<213> Artificial sequence

<220>

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<222> (1)..(1)

<223> Xaa = BdpF

<220>

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<222> (8)..(8)

<223> Xaa = MeG

<400> 249

Xaa Thr Phe Ile Ile Gly Phe Xaa Ile Ile Ala Ile Gly

1

5

10

<210> 250

<211> 13

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<220>

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<222> (1)..(1)

<223> Xaa = BdpF

<220>

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<222> (8)..(8)

<223> Xaa = nBuG

<400> 250

Xaa Thr Phe Ile Ile Gly Phe Xaa Ile Ile Pro Ile Gly
1 5 10

<210> 251

<211> 13

<212> PRT

<213> Artificial sequence

<220>

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<222> (1)..(1)

<223> Xaa = BdpF

<220>

<221> MISC_FEATURE

<222> (8)..(8)

<223> Xaa = SPh2Cl

<400> 251

Xaa Thr Phe Ile Ile Gly Phe Xaa Ile Ile Pro Ile Gly
1 5 10

<210> 252
<211> 13
<212> PRT
<213> Artificial sequence

<220>
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<223> Xaa = BdpF

<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> Xaa = dA

<400> 252

Xaa Thr Phe Ile Ile Gly Phe Xaa Ile Ile Pro Ile Gly
1 5 10

<210> 253
<211> 74
<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Glu2 body (-CA) (32-38 = n)

<220>

<221> misc_feature

<222> (33)..(39)

<223> n is a, c, g, or u

<400> 253

guccccuucg ucuagaggcc caggacaccg ccnnnnnnng gcgguaacag ggguucgaau
60

cccuagggg acgc

74

<210> 254

<211> 75

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Asp1 body (-CA) (32-38 = n)

<220>

<221> misc_feature

<222> (33)..(39)

<223> n is a, c, g, or u

<400> 254

ggagcggguag uucagucggu uagaauaccu gcnnnnnnng cagggggucg
cgguucgag 60

ucccguccgu uccgc

75

<210> 255

<211> 74

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA AsnE2 body (-CA) (32-38 = n)

<220>

<221> misc_feature

<222> (32)..(38)

<223> n is a, c, g, or u

<400> 255

ggcucuguag uucagucggu agaacggcgg annnnnnnnuc cguaugucac
ugguucgagu 60

ccagucagag ccgc

74

<210> 256
<211> 74
<212> RNA
<213> Artificial sequence

<220>
<223> tRNA(Glu2+Leu2) body -CA

<220>
<221> misc_feature
<222> (35)..(37)
<223> n is a, c, g, or u

<400> 256
guccccuucg ucuagaggcc caggacaccg ccuunnngug gcgguaacag ggguucgaau
60

ccccuagggg acgc 74

<210> 257
<211> 74
<212> RNA
<213> Artificial sequence

<220>
<223> tRNA(Glu2+Pro3) body -CA

<220>

<221> misc_feature

<222> (35)..(37)

<223> n is a, c, g, or u

<400> 257

gucccccucg ucuagaggcc caggacaccg ccuunnngag gcgguaacag ggguucgaau
60

cccuagggg acgc

74

<210> 258

<211> 74

<212> RNA

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<220>

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<220>

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<222> (35)..(37)

<223> n is a, c, g, or u

<400> 258

gucccccucg ucuagaggcc caggacaccg ccaunnngug gcgguaacag ggguucgaau
60

cccuagggg acgc

74

<210> 259

<211> 74

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA(Glu2+Ala2) body -CA

<220>

<221> misc_feature

<222> (35)..(37)

<223> n is a, c, g, or u

<400> 259

gucccuucg ucuagaggcc caggacaccg ccaunnnaug gcgguaacag gguucgaau
60

cccuagggg acgc

74

<210> 260

<211> 74

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA(Glu2+Val2) body -CA

<220>

<221> misc_feature

<222> (35)..(37)

<223> n is a, c, g, or u

<400> 260

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60

ccccuagggg acgc

74

<210> 261

<211> 74

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA(Glu2+Arg3) body -CA

<220>

<221> misc_feature

<222> (35)..(37)

<223> n is a, c, g, or u

<400> 261

gucccuucg ucuagaggcc caggacaccg ccunnnngag gcgguaacag gguucgaau
60

cccuagggg acgc 74

<210> 262
<211> 75
<212> RNA
<213> Artificial sequence

<220>
<223> tRNA(Asp1+Leu2) body -CA

<220>
<221> misc_feature
<222> (35)..(37)
<223> n is a, c, g, or u

<400> 262
ggagcgguag uucagucggu uagaauaccu gcuunnngug cagggggucg
cggguucgag 60

ucccguccgu uccgc 75

<210> 263
<211> 75
<212> RNA

<213> Artificial sequence

<220>

<223> tRNA(Asp1+Pro3) body -CA

<220>

<221> misc_feature

<222> (35)..(37)

<223> n is a, c, g, or u

<400> 263

ggagcggguag uucagucggu uagaauaccu gcuunnngag caggggggucg
cgggguucgag 60

ucccguccgu uccgc

75

<210> 264

<211> 75

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA(Asp1+Pro2) body -CA

<220>

<221> misc_feature

<222> (35)..(37)

<223> n is a, c, g, or u

<400> 264

ggagcggguag uucagucggu uagaauaccu gcaunnngug caggggggucg
cgguuucgag 60

ucccguccgu uccgc

75

<210> 265

<211> 75

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA(Asp1+Ala2) body -CA

<220>

<221> misc_feature

<222> (35)..(37)

<223> n is a, c, g, or u

<400> 265

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cgguuucgag 60

ucccguccgu uccgc

75

<210> 266
<211> 75
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<220>
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<223> n is a, c, g, or u

<400> 266
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cgggguucgag 60

ucccguccgu uccgc 75

<210> 267
<211> 75
<212> RNA
<213> Artificial sequence

<220>
<223> tRNA(Asp1+Arg3) body -CA

<220>

<221> misc_feature

<222> (35)..(37)

<223> n is a, c, g, or u

<400> 267

ggagcggguag uucagucggu uagaauaccu gccunnnngag caggggggucg
cgggguucgag 60

ucccguccgu uccgc

75

<210> 268

<211> 74

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA(AsnE2+Leu2) body -CA

<220>

<221> misc_feature

<222> (34)..(36)

<223> n is a, c, g, or u

<400> 268

ggcucuguag uucagucggu agaacggcgg auunnnnguuc cguaugucac
ugguucgagu 60

ccagucagag ccgc

74

<210> 269

<211> 74

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA(AsnE2+Pro3) body -CA

<220>

<221> misc_feature

<222> (34)..(36)

<223> n is a, c, g, or u

<400> 269

ggcucuguag uucagucggu agaacggcgg auunnngauc cguaugucac
ugguucgagu 60

ccagucagag ccgc

74

<210> 270

<211> 74

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA(AsnE2+Pro2) body -CA

<220>

<221> misc_feature

<222> (34)..(36)

<223> n is a, c, g, or u

<400> 270

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ugguucgagu 60

ccagucagag ccgc

74

<210> 271

<211> 74

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA(AsnE2+Ala2) body -CA

<220>

<221> misc_feature

<222> (34)..(36)

<223> n is a, c, g, or u

<400> 271

ggcucuguag uucagucggu agaacggcgg aaunnnauuc cguaugucac
ugguucgagu 60

ccagucagag ccgc 74

<210> 272

<211> 74

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA(AsnE2+Val2) body -CA

<220>

<221> misc_feature

<222> (34)..(36)

<223> n is a, c, g, or u

<400> 272

ggcucuguag uucagucggu agaacggcgg aaunnnauuc cguaugucac
ugguucgagu 60

ccagucagag ccgc 74

<210> 273

<211> 74

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA(AsnE2+Arg3) body -CA

<220>

<221> misc_feature

<222> (34)..(36)

<223> n is a, c, g, or u

<400> 273

ggcucuguag uucagucggg agaacggcgg acunnnngauc cguaugucac
ugguucgagu 60

ccagucagag ccgc

74

<210> 274

<211> 76

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Ala1B

<400> 274

ggggcuauag cucagcuggg agagcgccug cuuugcacgc aggaggucug
cgguucgauc 60

ccgcauagcu ccacca

76

<210> 275

<211> 76

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Ala2

<400> 275

ggggcuauag cucagcuggg agagcgcuug cauggcaugc aagaggucag
cgguucgauc 60

ccgcuuagcu ccacca

76

<210> 276

<211> 77

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Arg2

<400> 276

gcauccguag cucagcugga uagaguacuc ggcuacgaac cgagcggucg
gagguucgaa 60

uccucccgga ugcacca

77

<210> 277

<211> 77

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Arg3

<400> 277

gcgcccgguag cucagcugga uagagcgcug ccuuccggag gcagaggucu cagguucgaa
60

uccugucggg cgcgcca

77

<210> 278

<211> 77

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Arg4

<400> 278

gcgcccuuag cucaguugga uagagcaacg accuucuaag ucgugggccg cagguucgaa
60

uccugcaggg cgcgcca

77

<210> 279

<211> 75

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Arg5

<400> 279

guccucuuag uaaaauggau auaacgagcc ccuccuaagg gcuaauugca
gguucgauuc 60

cugcagggga cacca

75

<210> 280

<211> 76

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Asn

<400> 280

uccucuguag uucagucggu agaacggcgg acuguuaauc cguaugucac
ugguucgagu 60

ccagucagag gagcca

76

<210> 281

<211> 77

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Asp1

<400> 281

ggagcgguag uucagucggu uagaauaccu gccugucacg cagggggucg
cgguucgag 60

ucccguccgu uccgcca

77

<210> 282

<211> 74

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Cys

<400> 282

ggcgcguuuaa caaagcgguu auguagcgga uugcaaaucc gucuaguccg
guucgacucc 60

ggaacgcgcc ucca

74

<210> 283

<211> 77

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA fMet1

<400> 283

cgcggggugg agcagccugg uagcucgucg ggcucauaac ccgaaggucg ucgguucaaa
60

uccggccccc gcaacca

77

<210> 284

<211> 77

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA fMet2

<400> 284

cgcggggugg agcagccugg uagcucgucg ggcucauaac ccgaagaucg ucgguucaaa
60

uccggccccc gcaacca

77

<210> 285

<211> 75

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Gln1

<400> 285

ugggguaucg ccaagcggua aggcaccggu uuuugauacc ggcauucccu
gguucgauc 60

cagguacccc agcca

75

<210> 286

<211> 75

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Gln2

<400> 286

ugggguaucg ccaagcggua aggcaccgga uucugauucc ggcauuccga
gguucgauc 60

cucguacccc agcca

75

<210> 287

<211> 76

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Glu2

<400> 287

guccccuucg ucuagaggcc caggacaccg cccuuucacg gcgguaacag gguuucgaau
60

ccccuagggg acgcca

76

<210> 288

<211> 74

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Gly1

<400> 288

gcgggcuag uucauggua gaacgagagc uucccaagcu cuauacgagg
guucgauucc 60

cuucgccccgc ucca

74

<210> 289

<211> 75

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Gly2

<400> 289

gcggggcaucg uauaauggcu auuaccucag ccuuccaagc ugaugaugcg
gguucgauuc 60

ccgcugccccg cucca

75

<210> 290

<211> 76

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Gly3

<400> 290

gcgggaauag cucaguuggu agagcacgac cuugccaagg ucggggucgc
gaguucgagu 60

cucguuuccc gcucca

76

<210> 291

<211> 76

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA His

<400> 291

guggcuauag cucaguuggu agagcccugg auugugauuc caguugucgu
ggguucgaau 60

cccauuagcc acccca

76

<210> 292

<211> 77

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Ile1

<400> 292

aggcuuguag cucagguggu uagagcgcac ccugauaag ggugaggucg
gugguucaag 60

uccacucagg ccuacca

77

<210> 293

<211> 76

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Ile2

<400> 293

ggcccccuaag cucagugguu agagcaggcg acucaaauc gcuuggucgc
ugguucagu 60

ccagcagggg ccacca

76

<210> 294

<211> 87

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Leu1

<400> 294

gcgaaggugg cggaauuggu agacgcgcua gcuucaggug uuaguguucu
uacggacgug 60

gggguucaag ucccccccu cgcacca

87

<210> 295

<211> 87

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Leu2

<400> 295

gccgaggugg uggaauuggu agacacgcua ccuugaggug guagugccca
auagggcuua 60

cggguucaag ucccguccuc gguacca

87

<210> 296

<211> 85

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Leu3

<400> 296

gcgggagugg cgaaauuggu agacgcacca gauuuagguu cuggcgccgc
aaggugugcg 60

aguucaaguc ucgccucccg cacca

85

<210> 297

<211> 87

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Leu4

<400> 297

gcccggaugg uggaaucggu agacacaagg gauuuaaaau cccucggcgu
ucgcgcugug 60

cgguucaag ucccgcuccg gguacca

87

<210> 298

<211> 85

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Leu5

<400> 298

gccgaagugg cgaaaucggu agacgcaguu gauucaaaaau caaccguaga
aauacgugcc 60

gguucgaguc cggccuucgg cacca

85

<210> 299

<211> 76

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Lys

<400> 299

gggucguuag cucaguuggu agagcaguug acuuuuaauc aaugggucgc
agguucgaau 60

ccugcacgac ccacca

76

<210> 300

<211> 77

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Met

<400> 300

ggcuacguag cucaguuggu uagagcacau cacucauaau gaugggguca
cagguucgaa 60

ucccgucgua gccacca

77

<210> 301

<211> 76

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Phe

<400> 301

gcccggauag cucagucggg agagcagggg auugaaaauc cccguguccu
ugguucgauu 60

ccgaguccgg gcacca

76

<210> 302

<211> 77

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Pro1

<400> 302

cggugauugg cgcagccugg uagcgcacuu cguucgggac gaaggggucg
gagguucgaa 60

uccucuaucacccgacca

77

<210> 303

<211> 77

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Pro2

<400> 303

cggcacguag cgcagccugg uagcgcaccg ucauggggug ucgggggucg
gagguucaaa 60

uccucucgugccgacca

77

<210> 304

<211> 77

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Pro3

<400> 304

cggcgaguag cgcagcuugg uagcgcaacu gguuugggac cagugggucg
gagguucgaa 60

uccucucucg ccgacca

77

<210> 305

<211> 95

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Sec

<400> 305

ggaagaucgu cgucuccggu gaggcggcug gacuucaaa ccaguugggg ccgccagcgg
60

ucccgggcag guucgacucc ugugaucuuc cgcca

95

<210> 306

<211> 88

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Ser1

<400> 306

ggaagugugg ccgagcgguu gaaggcaccg gucuugaaaa ccggcgaccc
gaaagguuc 60

cagaguucga aucucugcgc uuccgcca

88

<210> 307

<211> 90

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Ser2

<400> 307

ggagagaugc cggagcggcu gaacggaccg gucucgaaaa ccggaguagg
ggcaacucua 60

ccggggguuc aaaucccccuc cucuccgcca

90

<210> 308

<211> 93

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Ser3

<400> 308

ggugaggugg ccgagaggcu gaaggcgcuc ccucgcuag ggaguaugcg
gucaaaagcu 60

gcauccgggg uucgaauc cgcucaccg cca

93

<210> 309

<211> 88

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Ser5

<400> 309

ggugaggugu ccgaguggcu gaaggagcac gccuggaaag uguguauacg
gcaacguauc 60

ggggguucga auccccccu caccgcca

88

<210> 310

<211> 76

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Thr1

<400> 310

gcugauaugg cucaguuggu agagcgcacc cuugguaagg gugagguccc
caguucgacu 60

cuggguaUCA gcacca

76

<210> 311

<211> 76

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Thr2

<400> 311

gccgauauag cucaguuggu agagcagcgc auucguaaug cgaaggucgu
agguucgacu 60

ccuauuauCG gcacca

76

<210> 312

<211> 76

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Thr3

<400> 312

gcugauauag cucaguuggu agagcgcacc cuugguaagg gugaggucgg
caguucgaau 60

cugccuauca gcacca

76

<210> 313

<211> 76

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Thr4

<400> 313

gccgacuuag cucaguaggu agagcaacug acuuguaauc aguaggucac
caguucgauu 60

ccgguagucg gcacca

76

<210> 314

<211> 76

<212> RNA

<213> Artificial sequence

<220>

<223> tRNA Trp

<400> 314

aggggCGuag uucaauuggu agagcaccgg ucuccaaaac cggguguugg
gaguucgagu 60

cucuccgccc cugcca

76

<210> 315

<211> 85

<212> RNA

<213> Artificial sequence

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77