

# SEQUENCE LISTING

<110> Hochschule Mannheim  
FREY, Manfred

<120> Polynucleotides for enhancing expression of a polynucleotide of interest

<130> FREY64688PC

<150> EP 07105109.8

<151> 2007-03-28

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<170> PatentIn version 3.4

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tccatctata atttatctca attaccactt tttgttttca aaattttctaa ttttatactt	3120
gattttgttt catttttgtt ttataatttc atgttctttc tagattttac atctttttat	3180
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gatttttagct cgatttttagc tcgatttttag ctcgatttta gctcgatttt agctcgattt	180
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ctaaaatcga gctaaaatcg agctaaaatc gagctaaaat cgagctaaaa tcgagctaaa	180
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natthttann nnattttann nnnattttan nnnnatthtta nnnnnatttht annnnnattht 180  
  
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ntaaaatnnn nntaaaaatn nnntaaaaat nnnntaaaaat nnnnntaaaa tnnnnntaaa 180  
  
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Glu Arg Leu Phe Gly Tyr Asp Trp Ala Gln Gln Thr Ile Gly Cys Ser  
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Asp Ala Ala Val Phe Arg Leu Ser Ala Gln Gly Arg Pro Val Leu Phe  
35 40 45

Val Lys Thr Asp Leu Ser Gly Ala Leu Asn Glu Leu Gln Asp Glu Ala  
50 55 60

Ala Arg Leu Ser Trp Leu Ala Thr Thr Gly Val Pro Cys Ala Ala Val  
65 70 75 80

Leu Asp Val Val Thr Glu Ala Gly Arg Asp Trp Leu Leu Leu Gly Glu

85

90

95

Val Pro Gly Gln Asp Leu Leu Ser Ser His Leu Ala Pro Ala Glu Lys  
 100 105 110

Val Ser Ile Met Ala Asp Ala Met Arg Arg Leu His Thr Leu Asp Pro  
 115 120 125

Ala Thr Cys Pro Phe Asp His Gln Ala Lys His Arg Ile Glu Arg Ala  
 130 135 140

Arg Thr Arg Met Glu Ala Gly Leu Val Asp Gln Asp Asp Leu Asp Glu  
 145 150 155 160

Glu His Gln Gly Leu Ala Pro Ala Glu Leu Phe Ala Arg Leu Lys Ala  
 165 170 175

Ser Met Pro Asp Gly Glu Asp Leu Val Val Thr His Gly Asp Ala Cys  
 180 185 190

Leu Pro Asn Ile Met Val Glu Asn Gly Arg Phe Ser Gly Phe Ile Asp  
 195 200 205

Cys Gly Arg Leu Gly Val Ala Asp Arg Tyr Gln Asp Ile Ala Leu Ala  
 210 215 220

Thr Ala Asp Ile Ala Glu Glu Leu Gly Gly Glu Trp Ala Asp Arg Phe  
 225 230 235 240

Leu Val Leu Tyr Gly Ile Ala Ala Pro Asp Ser Gln Arg Ile Ala Phe  
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Tyr Arg Leu Leu Asp Glu Phe Phe  
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Asp Ala Ala Val Phe Arg Leu Ser Ala Gln Gly Arg Pro Val Leu Phe  
35 40 45

Val Lys Thr Asp Leu Ser Gly Ala Leu Asn Glu Leu Gln Asp Glu Ala  
50 55 60

Ala Arg Leu Ser Trp Leu Ala Thr Thr Gly Val Pro Cys Ala Ala Val  
65 70 75 80

Leu Asp Val Val Thr Glu Ala Gly Arg Asp Trp Leu Leu Leu Gly Glu  
85 90 95

Val Pro Gly Gln Asp Leu Leu Ser Ser His Leu Ala Pro Ala Glu Lys  
100 105 110

Val Ser Ile Met Ala Asp Ala Met Arg Arg Leu His Thr Leu Asp Pro  
115 120 125

Ala Thr Cys Pro Phe Asp His Gln Ala Lys His Arg Ile Glu Arg Ala  
130 135 140

Arg Thr Arg Met Glu Ala Gly Leu Val Asp Gln Asp Asp Leu Asp Glu  
145 150 155 160

Glu His Gln Gly Leu Ala Pro Ala Glu Leu Phe Ala Arg Leu Lys Ala  
165 170 175

Ser Met Pro Asp Gly Glu Asp Leu Val Val Thr His Gly Asp Ala Cys  
180 185 190

Leu Pro Asn Ile Met Val Glu Asn Gly Arg Phe Ser Gly Phe Ile Asp  
195 200 205

Cys Gly Arg Leu Gly Val Ala Asp Arg Tyr Gln Asp Ile Ala Leu Ala  
210 215 220

Thr Val Asp Ile Ala Glu Glu Leu Gly Gly Glu Trp Ala Asp Arg Phe  
225 230 235 240

Leu Val Leu Tyr Gly Ile Ala Ala Pro Asp Ser Gln Arg Ile Ala Phe  
245 250 255

Tyr Arg Leu Leu Asp Glu Phe Phe

260

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Glu Arg Leu Phe Gly Tyr Asp Trp Ala Gln Gln Thr Ile Gly Cys Ser  
20 25 30

Asp Ala Ala Val Phe Arg Leu Ser Ala Gln Gly Arg Pro Val Leu Phe  
35 40 45

Val Lys Thr Asp Leu Ser Gly Ala Leu Asn Glu Leu Gln Asp Glu Ala  
50 55 60

Ala Arg Leu Ser Trp Leu Ala Thr Thr Gly Val Pro Cys Ala Ala Val  
65 70 75 80

Leu Asp Val Val Thr Glu Ala Gly Arg Asp Trp Leu Leu Leu Gly Glu  
85 90 95

Val Pro Gly Gln Asp Leu Leu Ser Ser His Leu Ala Pro Ala Glu Lys  
100 105 110

Val Ser Ile Met Ala Asp Ala Met Arg Arg Leu His Thr Leu Asp Pro  
115 120 125

Ala Thr Cys Pro Phe Asp His Gln Ala Lys His Arg Ile Glu Arg Ala  
130 135 140

Arg Thr Arg Met Glu Ala Gly Leu Val Asp Gln Asp Asp Leu Asp Glu  
145 150 155 160

Glu His Gln Gly Leu Ala Pro Ala Glu Leu Phe Ala Arg Leu Lys Ala  
165 170 175

Ser Met Pro Asp Gly Glu Asp Leu Val Val Thr His Gly Asp Ala Cys  
180 185 190

Leu Pro Asn Ile Met Val Glu Asn Gly Arg Phe Ser Gly Phe Ile Asp  
 195 200 205

Cys Gly Arg Leu Gly Val Ala Asp Arg Tyr Gln Asp Ile Ala Leu Gly  
 210 215 220

Ser Arg Asp Ile Ala Glu Glu Leu Gly Gly Glu Trp Ala Asp Arg Phe  
 225 230 235 240

Leu Val Leu Tyr Gly Ile Ala Ala Pro Asp Ser Gln Arg Ile Ala Phe  
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Tyr Arg Leu Leu Asp Glu Phe Phe  
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ggccgctttt ctggattcat cgactgtggc cggctgggtg tggcggaccg ctatcaggac	660
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33

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28

<210> 32  
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<210> 34  
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35 40 45

Val Lys Thr Asp Leu Ser Gly Ala Leu Asn Glu Leu Gln Asp Glu Ala  
50 55 60

Ala Arg Leu Ser Trp Leu Ala Thr Thr Gly Val Pro Cys Ala Ala Val  
65 70 75 80

Leu Asp Val Val Thr Glu Ala Gly Arg Asp Trp Leu Leu Leu Gly Glu  
85 90 95

Val Pro Gly Gln Asp Leu Leu Ser Ser His Leu Ala Pro Ala Glu Lys

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Val Ser Ile Met Ala Asp Ala	Met Arg Arg Leu His Thr	Leu Asp Pro
115	120	125
Ala Thr Cys Pro Phe Asp His	Gln Ala Lys His Arg Ile	Glu Arg Ala
130	135	140
Arg Thr Arg Met Glu Ala Gly	Leu Val Asp Gln Asp Asp	Leu Asp Glu
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Glu His Gln Gly Leu Ala Pro	Ala Glu Leu Phe Ala Arg	Leu Lys Ala
165	170	175
Ser Met Pro Asp Gly Glu Asp	Leu Val Val Thr His Gly	Asp Ala Cys
180	185	190
Leu Pro Asn Ile Met Val Glu	Asn Gly Arg Phe Ser Gly	Phe Ile Asp
195	200	205
Cys Gly Arg Leu Gly Val Ala	Asp Arg Tyr Gln Asp Ile	Ala Leu Ala
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Thr Arg Asp Ile Ala Glu Glu	Leu Gly Gly Glu Trp Ala	Asp Arg Phe
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gatctcctgt catctcacct tgctcctgcc gagaaagtat ccatcatggc tgatgcaatg	360
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<210> 42  
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<400> 42

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<210> 43

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<400> 43

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