

SEQUENCE LISTING

<110> Glycom A/S

<120> HMO production

<130> P2937W000

<150> DK202000833

<151> 2020-07-13

<150> DK202000085

<151> 2020-01-23

<160> 17

<170> BiSSAP 1.3.6

<210> 1

<211> 394

<212> PRT

<213> Rosenbergiella nectarea

<220>

<223> Nec_WP_092672081.1\optimized translation

<400> 1

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Gln Ala Pro Thr Leu Ser Leu Tyr Leu Ser Gln Glu Leu Ala Ala Lys
      35      40      45
Pro Phe Met Val Gly Leu Phe Phe Thr Ile Asn Ala Val Thr Gly Ile
      50      55      60
Ile Ile Ser Phe Ile Leu Ala Lys Arg Ser Asp Arg Lys Gly Asp Arg
65      70      75      80
Arg Arg Leu Leu Met Phe Cys Cys Ala Met Ala Ile Ala Asn Ala Leu
      85      90      95
Met Phe Ala Phe Val Arg Gln Tyr Val Val Leu Ile Thr Leu Gly Leu
      100     105     110
Ile Leu Ser Ala Leu Thr Ser Val Val Met Pro Gln Leu Phe Ala Leu
      115     120     125
Ala Arg Glu Tyr Ala Asp Arg Thr Gly Arg Glu Val Val Met Phe Ser
      130     135     140
Ser Val Met Arg Thr Gln Met Ser Leu Ala Trp Val Ile Gly Pro Pro
145     150     155     160
Ile Ser Phe Ala Leu Ala Leu Asn Tyr Gly Phe Ile Thr Leu Tyr Leu
      165     170     175
Val Ala Ala Ala Leu Phe Leu Leu Ser Leu Ile Leu Ile Lys Thr Thr
      180     185     190
Leu Pro Ser Val Pro Arg Leu Tyr Pro Ala Glu Asp Leu Ala Lys Ser
      195     200     205
Ala Ala Ser Gly Trp Lys Arg Thr Asp Val Arg Phe Leu Phe Ala Ala

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210	215	220
Ser Val Leu Met Trp	Val Cys Asn Leu Met Tyr	Ile Ile Asp Met Pro
225	230	235
Leu Tyr Ile Ser Lys	Ser Leu Gly Met Pro	Glu Ser Phe Ala Gly Val
245	250	255
Leu Met Gly Thr Ala Ala	Gly Leu Glu Ile Pro	Val Met Leu Leu Ala
260	265	270
Gly Tyr Leu Ala Lys Arg	Val Gly Lys Arg Pro	Leu Val Ile Val Ala
275	280	285
Ala Val Cys Gly Leu Ala	Phe Tyr Pro Ala Met	Leu Val Phe His Gln
290	295	300
Gln Thr Gly Leu Leu Ile	Ile Gln Leu Leu Asn	Ala Val Phe Ile Gly
305	310	315
Ile Val Ala Gly Leu Val	Met Leu Trp Phe Gln	Asp Leu Met Pro Gly
325	330	335
Lys Ala Gly Ala Ala Thr	Thr Leu Phe Thr Asn	Ser Val Ser Thr Gly
340	345	350
Met Ile Phe Ala Gly Leu	Cys Gln Gly Leu Leu	Ser Asp Leu Leu Gly
355	360	365
His Gln Ala Ile Tyr Val	Leu Ala Thr Val Leu	Met Val Ile Ala Leu
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Leu Leu Leu Leu Arg	Val Lys Glu Gln Ala	
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<212> DNA

<213> Rosenbergiella nectarea

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gttaccggta tcattatcag ctttatcctg gcgaagcgta gcgaccgtaa aggtgaccgt	240
cgtcgtctgc tgatgttctg ctgcgcgatg gcgatcgca acgcgctgat gttcgcgttt	300
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tttaagtctg atatttctcg tttttgctcg ttaacgataa gtttacagca tgcctacaag	240
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<223> Plac expression element

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aaggaggaaa cagct 195

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<211> 32

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<223> Plac.for

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<210> 7

<211> 32

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<212> DNA

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<223> Plac.rev

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cattaaccaa ggaggaaaca gct 203

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gaggccgttt ttttgccttt cactcctcga ataattttca tattgtcggtt tttgtgatcg	180
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