

PhoenixTemp30651.tmp.txt
SEQUENCE LISTING

<110> Novozymes A/S

<120> Pichia pastoris DAS promoter variants

<130> 11354.204-WO

<160> 45

<170> PatentIn version 3.5

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<212> DNA

<213> Pichia pastoris

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<213> Pichia pastoris

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 <213> *Pichia pastoris*

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22

<210> 4
 <211> 1491
 <212> DNA
 <213> Artificial

<220>
 <223> alpha factor signal peptide fused to *Citrobacter braakii* phytase
 both optimized for expression in *Pichia*

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PhoenixTemp30651.tmp.txt

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tccagattga tcaaggagat tagagtcccc gagtgcgctg tcaccgagta a	1491

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 <212> DNA
 <213> Artificial

<220>
 <223> DAS promoter fused to phytase

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<210> 6
 <211> 1493
 <212> DNA
 <213> Artificial

<220>
 <223> DAS promoter fused to phytase

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 tgaaaggggtt acgggtgttg attggtttga gatatgccag aggacagatc aatctgtggt 180
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<210> 7
 <211> 1421
 <212> DNA
 <213> Artificial

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<223> Promoter variant fused to phytase reporter gene

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<210> 8
 <211> 1513
 <212> DNA
 <213> Artificial

<220>

<223> Promoter variant fused to phytase reporter gene

<400> 8

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<210> 9

<211> 1608

<212> DNA

<213> Artificial

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<223> Promoter variant fused to phytase reporter gene

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atccttagtg aaggggttgtt ccgatacgag atcttttagcc agtacgaaag aggaaactta      180
accgatacct tggagaaaatc taaggcgcgga atgagtttag cctagatatc cttagtgaag      240
ggttgttccg atacggttta aacttagcca gtacgaaaga ggaaacttaa ccgatacctt      300
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gagctcccac caaattcact ccaatcatga agaacgtcac cccagatcag tggccacaat     1560
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<211> 20
<212> DNA
<213> Artificial

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<220>
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<220>
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<400> 11
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<210> 12
 <211> 35
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<220>
 <223> PCR primer

<400> 12
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<210> 13
 <211> 35
 <212> DNA
 <213> Artificial

<220>
 <223> PCR primer

<400> 13
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<210> 14
 <211> 35
 <212> DNA
 <213> Artificial

<220>
 <223> PCR primer

<400> 14
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<210> 15
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 <212> DNA
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<220>
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<400> 15
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<210> 16
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<210> 21
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<212> DNA
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 <210> 33
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 <220>
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