

Sequence Listings.txt

<110> UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY
NAVIPHARM CO, LTD

<120> Novel lactic acid bacteria and use thereof

<130> P17-120-REA-KHU

<160> 38

<170> KoPatentIn 3.0

<210> 1

<211> 1490

<212> DNA

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<220>

<223> NK33 16S rDNA

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gggatggacc tgcggtgcat tagctagttg gtaaggtaac ggcttaccaa ggcgatgatg	300
catagccgag ttgagagact gatcggccac aatggaactg agacacggtc catactccta	360
cgggaggcag cagtagggaa tcttcacaa tgggcgcaag cctgatggag caacaccgcg	420
tgagtgaaga agggtttcgg ctctgaaagc tctgttggtg gagaagaacg tgcgtgagag	480
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gcggttgctt aggtctgatg tgaaagcctt cggcttaacc gaagaagtgc atcggaacc	660
gggcgacttg agtgcagaag aggacagtgg aactccatgt gtagcgggtg aatgcgtaga	720
tatatggaag aacaccagtg gcgaaggcgg ctgtctggtc tgcaactgac gctgaggctc	780
gaaagcatgg gtagcgaaca ggattagata ccctggtagt ccatgccgta aacgatgagt	840
gctaggtgtt ggagggtttc cgcccttcag tgccggagct aacgcattaa gcactccgcc	900
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Sequence Listings.txt

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gactgtaggc tgcaactcgc ctacacgaag tcggaatcgc tagtaatcgc ggatcagcat      1380
gccgcggtga atacgttccc gggccttgta cacaccgcc gtcacaccat ggggagtttg      1440
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<210>      2
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<220>
<223>      Firmicutes F_primer

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Sequence Listings.txt

<223> Bacteroidetes F_primer

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<400> 5
ttaasccgac acctcacgg 19

<210> 6
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<223> beta-Proteobacteria F_primer

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<210> 7
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<223> beta-Proteobacteria R_primer

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tgccctttcg tagcaactag tg 22

<210> 8
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Sequence Listings.txt

<223> delta/gamma-Proteobacteria F_primer

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<210> 9
<211> 18
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<223> delta/gamma-Proteobacteria R_primer

<400> 9
gccatgcrgc acctgtct 18

<210> 10
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<223> epsilon-Proteobacteria F_primer

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<210> 12
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Sequence Listings.txt

<223> Actinobacteria F_primer

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18

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<223> Actinobacteria R_primer

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<223> TM F_primer

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19

<210> 15
<211> 22
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<223> TM R_primer

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22

<210> 16
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Sequence Listings.txt

<223> Verrucomicrobia F_primer

<400> 16

tcakgtcagt atggccctta t

21

<210> 17

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Verrucomicrobia R_primer

<400> 17

cagttttyag gatttcctcc gcc

23

<210> 18

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Enterobacteriaceae F_primer

<400> 18

cattgacgtt acccgagaa gaagc

25

<210> 19

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Enterobacteriaceae R_primer

<400> 19

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21

<210> 20

<211> 24

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Sequence Listings.txt

<223> Escherichia coli F_primer

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24

<210> 21

<211> 22

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<223> Escherichia coli R_primer

<400> 21

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22

<210> 22

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<212> DNA

<213> Artificial Sequence

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<223> Klebsiella spp. F_primer

<400> 22

gatacggagt atgcctttac ggtg

24

<210> 23

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Klebsiella spp. R_primer

<400> 23

tagcctttat caagcggata ctgg

24

<210> 24

<211> 21

<212> DNA

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Sequence Listings.txt

<223> Klebsiella oxytoca F_primer

<400> 24

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21

<210> 25

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Klebsiella oxytoca R_primer

<400> 25

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<210> 26

<211> 25

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<213> Artificial Sequence

<220>

<223> Morganella morganii F_primer

<400> 26

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25

<210> 27

<211> 29

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<213> Artificial Sequence

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<223> Morganella morganii R_primer

<400> 27

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29

<210> 28

<211> 16

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Sequence Listings.txt

<223> Lactobacillus reuteri F_primer

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<223> Lactobacillus johnsonii F_primer

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<223> Lactobacillus johnsonii R_primer

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Sequence Listings.txt

<223> Lactobacillus plantarum F_primer

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<210> 33
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<223> Lactobacillus plantarum R_primer

<400> 33
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<210> 34
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<220>
<223> Lactobacillus rhamnosus F_primer

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<220>
<223> Lactobacillus rhamnosus R_primer

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Sequence Listings.txt

<223> Bacterial 16S rDNA F_primer

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<223> Bacterial 16S rDNA R_primer

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<210> 38

<211> 1460

<212> DNA

<213> Artificial Sequence

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<223> NK98 16S rDNA

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gggaaagatt catcggtatg ggatggggtc gcgtcctatc agcttgatgg cggggtaacg 240

gcccaccatg gcttcgacgg gtagccggcc tgagagggcg accggccaca ttgggactga 300

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taggcggttc gtcgcgtccg gtgtgaaagt ccatcgctta acggtggatc cgcgccgggt 600

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Sequence Listings.txt

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