

SEQUENCE LISTING

<110> Pirelli Tyre S.p.A.

<120> Process of engineering an oleaginous microorganism

<130> PIR1P96WO

<160> 29

<170> BiSSAP 1.3.6

<210> 1

<211> 1461

<212> DNA

<213> Lipomyces starkeyi

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<223> Gene encoding for the enzyme delta-9 desaturase

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 <212> DNA
 <213> Lipomyces starkeyi

<220>
 <223> Gene encoding for the enzyme delta-12 desaturase

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gatgccatcc ccaagcactg cttcgaccgc tctcttagcc actctctcgc ctatgtcgcc	180
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<220>
 <223> Oligonucleotide URA3 fw

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<210> 4
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<220>
 <223> Oligonucleotide URA3 rev

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<220>

<223> Oligonucleotide tGAL1 fw

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42

<210> 6

<211> 39

<212> DNA

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39

<210> 7

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<223> Oligonucleotide NsrR fw

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21

<210> 8

<211> 20

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<211> 18

<212> DNA

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<223> Anchored Primer T7

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<400> 17

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<400> 19
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<223> Oligonucleotide FA2 fw

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<220>
<223> Oligonucleotide FAD2 rev

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<400> 22
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<210> 24
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<220>
<223> Oligonucleotide OLE1 RT fw

<400> 24
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<400> 25
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<400> 27
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cattgccgac agaatgcaga 20

<210> 29
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<220>
<223> Oligonucleotide ACT rev

<400> 29
acggagtact tacgctcagg 20

