

0:20A:0 A i B i " 2 > @ > 3



0:20A:0 A i B i " 2 > @ > 3=01>@ :8A;><>;>G=KE <8:@>>@30=87<>2, 1;03>40@O :>B>@><C
01A>;NB=> =0BC@0;L=K<, =0AKI5==K< D>AD>@>< 8 :0;LF85< 87 B5@<8G5A:8 >1@01>B0==>3> <
68@=>AB8 2 >1KG=KE :CE>==KE CA;>28OE. 59B8=3: 5B @59B
&

5=0:
&5=0 A> A:84:>9:
43,00 @C1

[_0409B5 2>?@>A ?> MB><C B>20@C](#)

?8A0=85

>4@>1=>5 >?8A0=85 ?@5?0@0B0

@0G8 @5:><5=4CNB A i B i " 2 > @ > 3 :C?8BL B5<, :B> ?@82K: C45;OBL 2=8<0=85 ?@028;L=><C
- C;CGH5=85 ?5@8AB0;LB8:8;
- =>@<0;870F8N ?@>F5AA>2 2A0AK20=8O 8 CA2>5=8O;
- >1>30I0NB A@54C <8:@>M;5<5=B0<8 8 28B0<8==K<8 A>548=5=8O<8;
- <>18;87CNB <5B01>;8G5A:85 ?@>F5AAK;
- ?>4=8<0NB ?>:070B5;8 8<<C==>9 70I8BK.

!>AB02

A>AB02 70:20A:8 9 8 B2>@>3 2E>4OB ;0:B>10:B5@88, AB2>@06820Ni85 ;0:B>7C (Lactococcus)

>78@>2:0 8 A?>A>1K ?@83>B>2;5=8O

0:20A:C 4>102;ONB 2 :8?OG5==>5 8 >ABK2H55 <>;>:, 1 AB8: A;54C5B 8A?>;L7>20BL =0 1-3 ;

\$>@<0 2K?CA:0

K?CA:05BAO 2 ?0:5B0A i B i 702>B@53>9 ?> 10 HB5C:0 :> @>@>3>C 000>20=0 27A B488= ?AB8:3 70:20A:8

!@>: 3>4=>AB8 8 CA;>28O E@0=5=8O

0:20A:0 <>65B E@0=8BLAO 4> ?>;CB>@0 ;5B ?@8 >B@8F0B5;L=KE B5<?5@0BC@0E, 2 E>;>48;