

IF5!^r <^ryP	
IT <sup>1</sup>	
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ipfp IF^	

^j/^jJ/ J/ui'/

? ^J/I\*J/ jAI^

^Jl£ ^/ ^i 1\*^\_1 ^JJ/ AJJlJ^^l/ O^olijJ/ A^^l^ . A\_0j^^^ jA

A^JA ^JO ili—J/ \_j|^jJ/j j^jJ/j jj^j|/ <j£^j AJ1J—J AUI^J fOjJ

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jjJj—\_ \* ^J/ ^J/^\*J/ JJ^JJ/ f^J.

-: f^J/

A Ulnu \_£/ -sajj 6J3\*^J/ ^/j^J/ ^J^^ fj^qj!/ fjj i“ n \_

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AJJ/ Jj^^jJ/ ^£^J J<^ J/ l^jjj—Jj AslUJ/ AJJXJ f^^J/ ^JUJ^J O1JL,V

1J\_J^J} j^J/ JJA^JJ/ AJl^O J^^ ^ ^J\*J ^jJ/ AJ—J/ CiUJl^/ \_^ljp J/

o,Vq»^'/ \_^lj»'/ fj f^^J/ O^oliJ UJJ\_J {OtibjJ/j ^lS\_jJ/

^lo ^2 ^ljJdII ^A ^lj^II O2A i^ijl

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\*UJI

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'5i> iWcjf? ij^rO <^r? ?r|r> TOPT\*, aO ipT|r

IF?7> mtPr

S^I

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^ v£~|7 'j«^<(Try yxye 51 nrerP IjyrryT^ -3rC ® 'Op\* r^jfr^

e- 08 |\*p |rnrT

r^ Ip\* 'TTTV

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<sup>\*\*</sup> \ rwrri peri^rr IP^I?>

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||.3.7b

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AJ^XJJI JJ^

AJJ13 JJO AJ^JI

\*\* V \*\* \*\*

^ljzi ^iioI JJA Ail^JJ j.v^A ^j^bJI AJJj^JI AJJXJJI JXJ^J Ijzljzljz

AJJ1J^J1 ^jzji IJJJIJ JJA IJJJIJJ I^ljzj ^JI^^II ^JJ^ ^t ^1JAJ1 ^A

I^jzj^Aj Ajj^t ^ljA ^ljz frlj^^JI

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^A oj^I^^JI Ail^JI JxJ^j AjJlj\_AjJI Ail^JI AjJlj\_AjJI Aj^xjJI JXJ^J

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— ^Aj AJ^ljA A nl\_A N ^A ^ljzj

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A<sub>A</sub>J^^<sub>A</sub>J/ A/JAJ/ ^J<sub>a</sub>/ aJJ ^ ASjjiJ/ ^jjj ^/AaJ/ a^^j t“ n\_ AJJ^\*

I“J\_ AJA£J/ AJAAJJ/ AJ—J/ AJJA!/ ^J/^ a^^J/ jj£ja AJJAJ/ J^/A ^j/

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JA J^/ ^— jjj£ ^/ JO JJALJ/ ^J\*J ASJJLI/ ^b J-:JALii/j AjiiJ/-^ ^J^Jj

Jj/\*J/ jA /^J^/JJ^/J Ajj/A\*J/ A/JAJ/ ^JO JjiU/ /^JA J^i—JJ JJ/\*J/

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lactobacillaceae AJJ/\*J A\*J/JJ/ bjSJ/ JA AOJA^A ^A •

AjjjO J/ AJJJS /A/ ^AJ •

a/j^ Aijj i Aj^JA •

{AJ^/A J/j^ jj^J ^} AAJJ^JAJJO •

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lactic fjjij ^jj^Ji jj\*^jJi jjs^Ji JI^j\* •  
dehydrogenase

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^j^i dL£j^j jjjjili ^jv£i ^itj -^jl^Ji o^ AL,!^

, Aj^ixJi ^^jj^Ji d ^j OJJJ/ ^ijiVi ^lj ^j^j

OJJJ/ A^J^^ o^ AJJ^V^ ^AJ AJJA^ A^J^ 40-20 UJJ/^ j^jJi

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dij^Vij AJJJV'J JjL^V' j^j j'jj^J'

j^Ajtj A vnildj^ jj^ ,4,j<V ljjj^J-^

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A£^/ 2012 A\*JL J<sub>j</sub>vi \*>Ji ^uAjJi U^i Ajjjj^Ji fj Ui ^IJ£\_2

Ajj^jVi