

SEQUENCE LISTING

<110> Universität Göttingen

<120> Method of producing hydroxy fatty acids

<130> U 7101

<160> 7

<170> PatentIn version 3.3

<210> 1

<211> 590

<212> PRT

<213> Streptococcus pyogenes

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<221> Protein

<222> (1)..(590)

<223> Protein sequence SpHyd (NCBI database entry YP_279840); fatty acid hydratase

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35 40 45

Gly Glu Arg Ile His Leu Phe Glu Glu Leu Pro Leu Ala Gly Gly Ser
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Leu Asp Gly Ile Glu Lys Pro His Leu Gly Phe Val Thr Arg Gly Gly
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Arg Glu Met Glu Asn His Phe Glu Cys Met Trp Asp Met Tyr Arg Ser
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Ile Pro Ser Leu Glu Ile Pro Gly Ala Ser Tyr Leu Asp Glu Phe Tyr
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Trp Leu Asp Lys Asp Asp Pro Asn Ser Ser Asn Cys Arg Leu Ile His
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Gln Ser Lys Glu Leu Val His Leu Ile Met Lys Thr Glu Glu Ser Leu

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Ser Ala Val Glu Met Arg Arg Tyr Ala Met Arg Phe Ile His His Ile	195	200	205			
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Val Asp Ile Gln Phe Asp Thr Lys Val Thr Asp Ile Gln Val Glu Gln	245	250	255			
Thr Ala Gly Lys Lys Val Ala Lys Thr Ile His Met Thr Val Ser Gly	260	265	270			
Glu Ala Lys Ala Ile Glu Leu Thr Pro Asp Asp Leu Val Phe Val Thr	275	280	285			
Asn Gly Ser Ile Thr Glu Ser Ser Thr Tyr Gly Ser His His Glu Val	290	295	300			
Ala Lys Pro Thr Lys Ala Leu Gly Gly Ser Trp Asn Leu Trp Glu Asn	305	310	315			320
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