

SEQUENZPROTOKOLL

<110> Universität Graz

<120> Enzymatische Alkenspaltung

<130> PCT238

<150> AT A 1221/2011

<151> 2011-08-26

<160> 4

<210> 1

<211> 412

<212> PRT

<213> Trametes hirsuta

<220>

<221>

<222> (1) ... (412)

<223> mittels Primer-Walking bestimmte Aminosäuresequenz

<400> 1

Met 1	Ile	Leu	Ser	Arg 5	Phe	Ala	Pro	Leu	Ala 10	Leu	Leu	Pro
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Lys	Leu	Pro	Pro 30	Ala	Thr	Ser	Asn	Pro 35	Leu	Leu	Glu	Ser
Ala 40	Tyr	Leu	Ala	Glu	Lys 45	Tyr	Gly	Gly	Gly	Ser 50	Gln	Met
Pro	Leu	Ser 55	Ala	Gly	Ile	Gly	Arg 60	Asn	Val	Arg	Val	Ser 65
Arg	Pro	Thr	Val	Lys 70	Asp	Gly	Glu	Glu	Leu 75	Phe	Trp	Thr
Gln	Asp 80	Glu	Phe	Ser	Thr	Glu 85	Gly	Gly	His	Asn	Val 90	Pro
Leu	Ser	Asn	Phe 95	Met	Asn	Ala	Gln	Tyr 100	Phe	Ala	Glu	Ile
Thr 105	Leu	Gly	Thr	Pro	Pro 110	Gln	Ser	Phe	Lys	Val 115	Ile	Leu
Asp	Thr	Gly 120	Ser	Ser	Asn	Leu	Trp 125	Val	Pro	Ser	Thr	Lys 130
Cys	Thr	Ser	Ile	Ala 135	Cys	Phe	Leu	His	Ala 140	Lys	Tyr	Asp
Ser	Thr 145	Ala	Ser	Ser	Thr	Tyr 150	Lys	Ala	Asn	Gly	Ser 155	Glu
Phe	Ser	Ile	Gln 160	Tyr	Gly	Ser	Gly	Ser 165	Met	Glu	Gly	Phe

Val 170	Ser	Gln	Asp	Val	Leu 175	Thr	Ile	Gly	Asp	Ile 180	Thr	Ile
Lys	Asn	Gln 185	Asp	Phe	Ala	Glu	Ala 190	Thr	Lys	Glu	Pro	Gly 195
Leu	Ala	Phe	Ala	Phe 200	Gly	Lys	Phe	Asp	Gly 205	Ile	Leu	Gly
Leu	Gly 210	Tyr	Asp	Thr	Ile	Ser 215	Val	Asn	His	Ile	Thr 220	Pro
Pro	Phe	Tyr	Gln 225	Met	Met	Asn	Gln	Lys 230	Leu	Val	Asp	Ser
Pro 235	Val	Phe	Ser	Phe	Arg 240	Leu	Gly	Ser	Ser	Glu 245	Glu	Asp
Gly	Gly	Glu 250	Ala	Ile	Phe	Gly	Gly 255	Val	Asp	Glu	Thr	Ala 260
Tyr	Ser	Gly	Lys	Ile 265	Glu	Tyr	Val	Pro	Val 270	Arg	Arg	Lys
Ala	Tyr 275	Trp	Glu	Val	Glu	Leu 280	Glu	Ser	Ile	Lys	Leu 285	Gly
Asp	Asp	Glu	Leu 290	Glu	Leu	Asp	Asn	Thr 295	Gly	Ala	Ala	Ile
Asp 300	Thr	Gly	Thr	Ser	Leu 305	Ile	Ala	Leu	Pro	Ser 310	Asp	Leu
Ala	Glu	Met 315	Leu	Asn	Val	Gln	Ile 320	Gly	Ala	Lys	Lys	Ser 325
Trp	Asn	Gly	Gln	Tyr 330	Thr	Val	Asp	Cys	Ala 335	Lys	Val	Pro
Thr	Leu 340	Pro	Asp	Leu	Thr	Phe 345	Tyr	Phe	Ser	Gly	Lys 350	Pro
Tyr	Thr	Leu	Lys 355	Gly	Thr	Asp	Tyr	Val 360	Leu	Glu	Val	Gln
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<210> 2
 <211> 412
 <212> PRT
 <213> Trametes hirsuta

<220>
 <221>
 <222> (1) ... (412)
 <223> mittels Sequenzierung des aus Stamm FCC 047 isolierten Enzyms
 bestimmte Sequenz
 <400> 2

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Lys	Leu	Pro	Pro 30	Ala	Thr	Ser	Asn	Pro 35	Leu	Leu	Glu	Ser
Ala 40	Tyr	Leu	Ala	Glu	Lys 45	Tyr	Gly	Gly	Gly	Ser 50	Gln	Met
Pro	Leu	Ser 55	Ala	Gly	Ile	Gly	Arg 60	Asn	Val	Arg	Val	Ser 65
Arg	Pro	Thr	Val	Lys 70	Asp	Gly	Glu	Glu	Leu 75	Phe	Trp	Thr
Gln	Asp 80	Glu	Phe	Ser	Thr	Glu 85	Gly	Gly	His	Asn	Val 90	Pro
Leu	Ser	Asn	Phe 95	Met	Asn	Ala	Gln	Tyr 100	Phe	Ala	Glu	Ile
Thr 105	Leu	Gly	Thr	Pro	Pro 110	Gln	Ser	Phe	Lys	Val 115	Ile	Leu
Asp	Thr	Gly 120	Ser	Ser	Asn	Leu	Trp 125	Val	Pro	Ser	Thr	Lys 130
Cys	Thr	Ser	Ile	Ala 135	Cys	Phe	Leu	His	Ala 140	Lys	Tyr	Asp
Ser	Thr 145	Ala	Ser	Ser	Thr	Tyr 150	Lys	Ala	Asn	Gly	Ser 155	Glu
Phe	Ser	Ile	Gln 160	Tyr	Gly	Ser	Gly	Ser 165	Met	Glu	Gly	Phe
Val 170	Ser	Gln	Asp	Val	Leu 175	Thr	Ile	Gly	Asp	Ile 180	Thr	Ile
Lys	Asn	Gln 185	Asp	Phe	Ala	Glu	Ala 190	Thr	Lys	Glu	Pro	Gly 195
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Leu	Gly 210	Tyr	Asp	Thr	Ile	Ser 215	Val	Asn	His	Ile	Thr 220	Pro
Pro	Phe	Tyr	Gln 225	Met	Met	Asn	Gln	Lys 230	Leu	Val	Asp	Ser
Pro 235	Val	Phe	Ser	Phe	Arg 240	Leu	Gly	Ser	Ser	Glu 245	Glu	Asp

Gly	Gly	Glu 250	Ala	Ile	Phe	Gly	Gly 255	Val	Asp	Glu	Thr	Ala 260
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Ala	Glu	Met 315	Leu	Asn	Ala	Gln	Ile 320	Gly	Ala	Lys	Lys	Ser 325
Trp	Asn	Gly	Gln	Tyr 330	Thr	Val	Asp	Cys	Ala 335	Lys	Val	Pro
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Tyr	Thr	Leu	Lys 355	Gly	Thr	Asp	Tyr	Val 360	Leu	Glu	Val	Gln
Gly 365	Thr	Cys	Met	Ser	Ser 370	Phe	Thr	Gly	Ile	Asp 375	Ile	Asn
Leu	Pro	Gly 380	Gly	Gly	Ala	Leu	Trp 385	Ile	Ile	Gly	Asp	Val 390
Phe	Leu	Arg	Lys	Tyr 395	Tyr	Thr	Val	Tyr	Asp 400	His	Gly	Arg
Asp	Ala 405	Val	Gly	Phe	Ala	Leu 410	Ala	Lys				

<210> 3
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 <212> DNA
 <213> *Trametes hirsuta*

<220>
 <221> CDS
 <222> (1) ... (1237)
 <223> für Seq.-ID Nr. 1 kodierende Sequenz

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<210> 4
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 <212> DNA
 <213> *Trametes hirsuta*

 <220>
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 <223> für Seq.-ID Nr. 2 kodierende Sequenz

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