

SEQUENCE LISTING

<110> INNOGENETICS N.V.

<120> NEW ANTIBODIES SPECIFIC OF THE AMYLOID PEPTIDES AND
THEIR USES AS DIAGNOSTIC AGENTS OR DRUGS

<130> IOB 07 BE INO MYLO

<160> 35

<170> PatentIn version 3.3

<210> 1

<211> 98

<212> PRT

<213> mouse

<220>

<221> PEPTIDE

<222> (1)..(98)

<400> 1

Ser	Ser	Leu	Thr	Val	Thr	Ala	Gly	Glu	Lys	Val	Thr	Met	Ser	Cys	Lys
1				5					10					15	

Ser	Ser	Gln	Ser	Leu	Leu	Ala	Gly	Arg	Tyr	Gln	Lys	Asn	Tyr	Leu	Thr
		20						25					30		

Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Pro	Pro	Lys	Leu	Leu	Ile	Tyr	Trp
		35					40					45			

Ala	Ser	Thr	Arg	Asp	Ser	Gly	Val	Pro	Asp	Arg	Phe	Thr	Gly	Ser	Gly
	50					55					60				

Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Val	Gln	Ala	Glu	Asp
65					70					75				80	

Leu	Ala	Val	Tyr	Tyr	Cys	Gln	Asn	Asp	Tyr	Thr	Tyr	Pro	Leu	Thr	Phe
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Ala Gly

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<220>

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<222> (1)..(111)

<400> 2

Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ile
1 5 10 15

Ser Gly Phe Thr Phe Ser Asp Phe Tyr Met Glu Trp Val Arg Gln Pro
20 25 30

Pro Gly Lys Arg Leu Glu Trp Ile Ala Ala Ser Arg Asn Lys Ala Asn
35 40 45

Asp Tyr Thr Thr Glu Tyr Ser Ala Ser Val Lys Gly Arg Phe Ile Val
50 55 60

Ser Arg Asp Thr Ser Gln Ser Ile Leu Tyr Leu Gln Met Asn Ala Leu
65 70 75 80

Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys Ala Thr Tyr His Asp Tyr
85 90 95

Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser
100 105 110

<210> 3

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<222> (1)..(99)

<400> 3

Ser Ser Leu Thr Val Thr Ala Gly Glu Lys Val Thr Met Asn Cys Lys
1 5 10 15

Ser Ser Gln Asn Leu Leu Asn Ser Gly Asn Gln Val Asn Tyr Leu Thr
20 25 30

Trp Phe Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Trp
35 40 45

Ala Ser Thr Arg Glu Ser Gly Val Pro Asp Arg Phe Ile Gly Ser Gly
50 55 60

Ser Gly Thr Asp Phe Thr Leu Thr Ile Asn Ser Val Gln Ala Glu Asp

[illegible]

Gly Ala Gly

<210>	4
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<212>	PRT
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<222>    (1) .. (111)
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 $\langle 400 \rangle$ 4

Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Thr
1 5 10 15

Ser Gly Phe Thr Phe Ser Asp Phe Tyr Met Glu Trp Val Arg Gln Pro
20 25 30

Pro Gly Arg Arg Leu Glu Trp Ile Ala Ala Ser Arg Asp Lys Ala Lys
35 40 45

Asp Tyr Thr Thr Glu Tyr Ser Ala Ser Val Lys Gly Arg Phe Ile Val
50 55 60

Ser Arg Asp Thr Ser Gln Ser Ile Phe Tyr Leu Gln Met Asn Ala Leu
65 70 75 80

Arg Ser Glu Asp Thr Ala Ile Tyr Tyr Cys Ala Thr Tyr Phe Ser Tyr
85 90 95

Ala Met Asp Tyr Trp Gly Leu Gly Thr Ser Val Thr Val Ser Ser
100 105 110

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<222>    (1) .. (99)
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<400> 5

Ser Ser Leu Ala Val Thr Ala Gly Glu Arg Val Thr Met Ser Cys Lys
1 5 10 15

Ser Ser Leu Thr Leu Leu Asn Ser Gly Ser Gln Thr Asn Tyr Leu Thr
20 25 30

Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Trp
35 40 45

Ala Ser Thr Arg Glu Ser Gly Val Pro Asp Arg Phe Thr Gly Ser Gly
50 55 60

Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Val Gln Ala Glu Asp
65 70 75 80

Leu Ala Val Tyr Tyr Cys Gln Asn Asp Tyr Ser Tyr Pro Leu Thr Phe
85 90 95

Gly Ala Gly

<210> 6

<211> 110

<212> PRT

<213> Mouse

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<222> (1)..(110)

<400> 6

Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Thr
1 5 10 15

Ala Gly Phe Thr Phe Thr Asp Gln Tyr Met Ser Trp Val Arg Gln Pro
20 25 30

Pro Gly Lys Ala Leu Glu Trp Leu Ala Thr Ile Arg Asn Lys Ala Lys
35 40 45

Gly Phe Thr Thr Glu Tyr Ser Ala Ser Val Lys Gly Arg Phe Thr Ile
50 55 60

Ser Arg Asp Asn Ser Gln Ser Ile Leu Tyr Leu Gln Met Ser Thr Leu
65 70 75 80

Arg Ala Gly Asp Ser Ala Thr Tyr Tyr Cys Ala Val Tyr Gly Asn Tyr
 85 90 95

Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Asn Val Ser
 100 105 110

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<400> 7

Ser Ser Leu Thr Val Thr Ala Gly Glu Lys Val Thr Met Ser Cys Lys
 1 5 10 15

Ser Ser Gln Ser Leu Phe Asn Ser Gly Arg Gln Thr Asn Tyr Leu Thr
 20 25 30

Trp Phe Gln Gln Arg Pro Gly Gln Ala Pro Lys Leu Leu Ile Tyr Trp
 35 40 45

Ala Ser Thr Arg Gly Ser Gly Val Pro Asp Arg Phe Thr Gly Ser Gly
 50 55 60

Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Val Gln Ala Glu Asp
 65 70 75 80

Leu Ala Val Tyr Tyr Cys Gln Asn Asp Tyr Thr Tyr Pro Leu Thr Phe
 85 90 95

Gly Ala Gly

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<220>
 <221> PEPTIDE

<222> (1)..(111)

<400> 8

Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Thr
1 5 10 15

Ser Gly Phe Thr Phe Thr Asp Phe Tyr Met Glu Trp Val Arg Gln Pro
20 25 30

Pro Gly Lys Arg Leu Glu Trp Ile Ala Ala Ser Arg Asn Lys Ala Asn
35 40 45

Gly Tyr Thr Thr Glu Tyr Ser Ala Ser Val Lys Gly Arg Phe Ile Val
50 55 60

Ser Arg Asp Thr Ser Gln Gly Ile Leu Tyr Leu Gln Met Ser Ala Leu
65 70 75 80

Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys Ala Ile Tyr Arg Tyr Tyr
85 90 95

Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser
100 105 110

<210> 9

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<222> (1)..(99)

<400> 9

Ser Ser Leu Thr Val Thr Ala Gly Glu Lys Val Thr Met Ser Cys Thr
1 5 10 15

Ser Ser Gln Ser Leu Phe Asn Ser Gly Thr Gln Thr Asn Tyr Leu Thr
20 25 30

Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Trp
35 40 45

Ala Ser Thr Arg Glu Ser Gly Val Pro Asp Arg Phe Thr Gly Ser Gly
50 55 60

Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Val Gln Ala Glu Asp

65 70 75 80

Leu Ala Val Tyr Tyr Cys Gln Asn Asp Tyr Thr Tyr Pro Leu Thr Phe
 85 90 95

Gly Ala Gly

<210>	10
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<220>
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<222>    (1) .. (111)
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<400> 10

Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Thr
1 5 10 15

Ser Gly Phe Thr Phe Ser Asp Phe Phe Ile Glu Trp Val Arg Gln Pro
20 25 30

Pro Gly Lys Arg Leu Glu Trp Ile Thr Ala Ser Arg Asn Lys Asn Tyr
35 40 45

Asp Tyr Lys Thr Glu Tyr Ser Ala Ser Val Lys Gly Arg Phe Ile Val
50 55 60

Ser Arg Asp Thr Ser Gln Ser Ile Leu Tyr Leu Gln Met Asn Ala Leu
65 70 75 80

Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys Ala Ile Tyr Arg His Tyr
85 90 95

Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser
100 105 110

<210>	11
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<222>    (1) .. (17)
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<400> 11

Lys Ser Ser Gln Ser Leu Leu Ala Gly Arg Tyr Gln Lys Asn Tyr Leu
1 5 10 15

Thr

<210> 12
<211> 8
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<220>
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<222> (1)..(8)

<400> 12

Trp Ala Ser Thr Arg Asp Ser Gly
1 5

<210> 13
<211> 9
<212> PRT
<213> Mouse

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<222> (1)..(9)

<400> 13

Gln Asn Asp Tyr Thr Tyr Pro Leu Thr
1 5

<210> 14
<211> 10
<212> PRT
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<222> (1)..(10)

<400> 14

Gly Phe Thr Phe Ser Asp Phe Tyr Met Glu
1 5 10

<210> 15
<211> 19
<212> PRT

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<222> (1)..(19)

<400> 15

Ala Ser Arg Asn Lys Ala Asn Asp Tyr Thr Thr Glu Tyr Ser Ala Ser
1 5 10 15

Val Lys Gly

<210> 16

<211> 8

<212> PRT

<213> Mouse

<220>

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<222> (1)..(8)

<400> 16

Tyr His Asp Tyr Ala Met Asp Tyr
1 5

<210> 17

<211> 17

<212> PRT

<213> Mouse

<220>

<221> PEPTIDE

<222> (1)..(17)

<400> 17

Lys Ser Ser Gln Asn Leu Leu Asn Ser Gly Asn Gln Val Asn Tyr Leu
1 5 10 15

Thr

<210> 18

<211> 8

<212> PRT

<213> Mouse

<220>

<221> PEPTIDE

<222> (1) .. (8)

<400> 18

Trp Ala Ser Thr Arg Glu Ser Gly
1 5

<210> 19

<211> 9

<212> PRT

<213> Mouse

<220>

<221> PEPTIDE

<222> (1) .. (9)

<400> 19

Gln Asn Asp Tyr Arg Tyr Pro Leu Thr
1 5

<210> 20

<211> 8

<212> PRT

<213> Mouse

<220>

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<222> (1) .. (8)

<400> 20

Tyr Phe Ser Tyr Ala Met Asp Tyr
1 5

<210> 21

<211> 17

<212> PRT

<213> Mouse

<220>

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<222> (1) .. (17)

<400> 21

Lys Ser Ser Leu Thr Leu Leu Asn Ser Gly Ser Gln Thr Asn Tyr Leu
1 5 10 15

Thr

<210> 22

<211> 9
 <212> PRT
 <213> Mouse

<220>
 <221> PEPTIDE
 <222> (1) .. (9)

<400> 22

Gln Asn Asp Tyr Ser Tyr Pro Leu Thr
 1 5

<210> 23
 <211> 10
 <212> PRT
 <213> Mouse

<220>
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 <222> (1) .. (10)

<400> 23

Gly Phe Thr Phe Thr Asp Gln Tyr Met Ser
 1 5 10

<210> 24
 <211> 19
 <212> PRT
 <213> Mouse

<220>
 <221> PEPTIDE
 <222> (1) .. (19)

<400> 24

Thr Ile Arg Asn Lys Ala Lys Gly Phe Thr Thr Glu Tyr Ser Ala Ser
 1 5 10 15

Val Lys Gly

<210> 25
 <211> 8
 <212> PRT
 <213> Mouse

<220>
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 <222> (1) .. (8)

<400> 25

Tyr Gly Asn Tyr Ala Met Asp Tyr
1 5

<210> 26
<211> 17
<212> PRT
<213> Mouse

<220>
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<222> (1)..(17)

<400> 26

Lys Ser Ser Gln Ser Leu Phe Asn Ser Gly Arg Gln Thr Asn Tyr Leu
1 5 10 15

Thr

<210> 27
<211> 7
<212> PRT
<213> Mouse

<220>
<221> PEPTIDE
<222> (1)..(7)

<400> 27

Trp Ala Ser Thr Arg Gly Ser
1 5

<210> 28
<211> 10
<212> PRT
<213> mouse

<220>
<221> PEPTIDE
<222> (1)..(10)

<400> 28

Gly Phe Thr Phe Thr Asp Phe Tyr Met Glu
1 5 10

<210> 29
<211> 19
<212> PRT

<213> mouse

<220>

<221> PEPTIDE

<222> (1)..(19)

<400> 29

Ala Ser Arg Asn Lys Ala Asn Gly Tyr Thr Thr Glu Tyr Ser Ala Ser
1 5 10 15

Val Lys Gly

<210> 30

<211> 8

<212> PRT

<213> mouse

<220>

<221> PEPTIDE

<222> (1)..(8)

<400> 30

Tyr Arg Tyr Tyr Ala Met Asp Tyr
1 5

<210> 31

<211> 17

<212> PRT

<213> mouse

<220>

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<222> (1)..(17)

<400> 31

Thr Ser Ser Gln Ser Leu Phe Asn Ser Gly Thr Gln Thr Asn Tyr Leu
1 5 10 15

Thr

<210> 32

<211> 10

<212> PRT

<213> mouse

<220>

<221> PEPTIDE

<222> (1)..(10)

<400> 32

Gly Phe Thr Phe Ser Asp Phe Phe Ile Glu
1 5 10

<210> 33

<211> 19

<212> PRT

<213> mouse

<220>

<221> PEPTIDE

<222> (1)..(19)

<400> 33

Ala Ser Arg Asn Lys Asn Tyr Asp Tyr Lys Thr Glu Tyr Ser Ala Ser
1 5 10 15

Val Lys Gly

<210> 34

<211> 8

<212> PRT

<213> mouse

<220>

<221> PEPTIDE

<222> (1)..(8)

<400> 34

Tyr Arg His Tyr Ala Met Asp Tyr
1 5

<210> 35

<211> 19

<212> PRT

<213> mouse

<220>

<221> PEPTIDE

<222> (1)..(19)

<400> 35

Ala Ser Arg Asp Lys Ala Lys Asp Tyr Thr Thr Glu Tyr Ser Ala Ser
1 5 10 15

Val Lys Gly