

0457-15 Sequence listing (002).txt  
SEQUENCE LISTING

<110> Università degli Studi di Milano - Bicocca

<120> METHOD FOR THE IN VITRO DIAGNOSIS OF THYROID DISEASES

<130> 457-15

<160> 18

<170> BiSSAP 1.3

<210> 1

<211> 44

<212> PRT

<213> Homo sapiens

<400> 1

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Gly Thr Pro Tyr Trp Leu Val Ala Asn Ser Trp Asn Thr Asp Trp Gly
1      5      10      15
Asp Asn Gly Phe Phe Lys Ile Leu Arg Gly Gln Asp His Cys Gly Ile
      20      25      30
Glu Ser Glu Val Val Ala Gly Ile Pro Arg Thr Asp
      35      40
```

<210> 2

<211> 64

<212> PRT

<213> Homo sapiens

<400> 2

```
Met Asn Ser Phe Val Asn Asp Ile Phe Glu Arg Ile Ala Gly Glu Ala
1      5      10      15
Ser Arg Leu Ala His Tyr Asn Lys Arg Ser Thr Ile Thr Ser Arg Glu
      20      25      30
Ile Gln Thr Ala Val Arg Leu Leu Leu Pro Gly Glu Leu Ala Lys His
      35      40      45
Ala Val Ser Glu Gly Thr Lys Ala Val Thr Lys Tyr Thr Ser Ser Lys
      50      55      60
```

<210> 3

<211> 41

<212> PRT

<213> Homo sapiens

<400> 3

```
Arg Ser Ser Lys Phe Arg His Val Phe Gly Gln Pro Ala Lys Ala Asp
1      5      10      15
Gln Cys Tyr Glu Asp Val Arg Val Ser Gln Thr Thr Trp Asp Ser Gly
      20      25      30
Phe Cys Ala Val Asn Pro Lys Phe Val
      35      40
```

<210> 4

<211> 89

<212> PRT

<213> Homo sapiens

<400> 4

```
Pro Val Asp Leu Ser Lys Trp Ser Gly Pro Leu Ser Leu Gln Glu Val
1      5      10      15
Asp Glu Gln Pro Gln His Pro Leu His Val Thr Tyr Ala Gly Ala Ala
      20      25      30
Val Asp Glu Leu Gly Lys Val Leu Thr Pro Thr Gln Val Lys Asn Arg
      35      40      45
Pro Thr Ser Ile Ser Trp Asp Gly Leu Asp Ser Gly Lys Leu Tyr Thr
lagina p
```

0457-15 Sequence listing (002).txt

50 55 60  
 Leu Val Leu Thr Asp Pro Asp Ala Pro Ser Arg Lys Asp Pro Lys Tyr  
 65 70 75 80  
 Arg Glu Trp His His Phe Leu Val Val  
 85

<210> 5  
 <211> 90  
 <212> PRT  
 <213> Homo sapiens

<400> 5  
 Ala Ile Asn Asp Pro Phe Ile Asp Leu Asn Tyr Met Val Tyr Met Phe  
 1 5 10 15  
 Gln Tyr Asp Ser Thr His Gly Lys Phe His Gly Thr Val Lys Ala Glu  
 20 25 30  
 Asn Gly Lys Leu Val Ile Asn Gly Asn Pro Ile Thr Ile Phe Gln Glu  
 35 40 45  
 Arg Asp Pro Ser Lys Ile Lys Trp Gly Asp Ala Gly Ala Glu Tyr Val  
 50 55 60  
 Val Glu Ser Thr Gly Val Phe Thr Thr Met Glu Lys Ala Gly Ala His  
 65 70 75 80  
 Leu Gln Gly Gly Ala Lys Arg Val Ile Ile  
 85 90

<210> 6  
 <211> 61  
 <212> PRT  
 <213> Homo sapiens

<400> 6  
 Val Leu Glu Tyr Leu Thr Ala Glu Ile Leu Glu Leu Ala Gly Asn Ala  
 1 5 10 15  
 Ala Arg Asp Asn Lys Lys Thr Arg Ile Ile Pro Arg His Leu Gln Leu  
 20 25 30  
 Ala Ile Arg Asn Asp Glu Glu Leu Asn Lys Leu Leu Gly Lys Val Thr  
 35 40 45  
 Ile Ala Gln Gly Gly Val Leu Pro Asn Ile Gln Ala Val  
 50 55 60

<210> 7  
 <211> 39  
 <212> PRT  
 <213> Homo sapiens

<400> 7  
 Ser Val Lys Val Gly Asp Lys Val Leu Leu Pro Glu Tyr Gly Gly Thr  
 1 5 10 15  
 Lys Val Val Leu Asp Asp Lys Asp Tyr Phe Leu Phe Arg Asp Gly Asp  
 20 25 30  
 Ile Leu Gly Lys Tyr Val Asp  
 35

<210> 8  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<400> 8  
 Val His Leu Thr Pro Glu Glu Lys Ser Ala Val Thr Ala Leu Trp Gly  
 1 5 10 15  
 Lys Val Asn Val Asp Glu Val Gly Gly Glu Ala Leu Gly Arg Leu Leu  
 20 25 30  
 Val Val Tyr Pro Trp Thr Gln Arg Phe Phe  
 35 40

<210> 9  
 <211> 39

0457-15 Sequence listing (002).txt

<212> PRT

<213> Homo sapiens

<400> 9

```

Pro Met Phe Ile Val Asn Thr Asn Val Pro Arg Ala Ser Val Pro Asp
1          5          10          15
Gly Phe Leu Ser Glu Leu Thr Gln Gln Leu Ala Gln Ala Thr Gly Lys
          20          25          30
Pro Pro Gln Tyr Ile Ala Val
          35

```

<210> 10

<211> 38

<212> PRT

<213> Homo sapiens

<400> 10

```

Leu Asn Lys Ile Asn Glu Ala Phe Ile Glu Met Ala Thr Thr Glu Asp
1          5          10          15
Ala Gln Ala Ala Val Asp Tyr Tyr Thr Thr Thr Pro Ala Leu Val Phe
          20          25          30
Gly Lys Pro Val Arg Val
          35

```

<210> 11

<211> 40

<212> PRT

<213> Homo sapiens

<400> 11

```

Asn Gln Gly Gly Tyr Gly Gly Gly Tyr Asp Asn Tyr Gly Gly Gly
1          5          10          15
Asn Tyr Gly Ser Gly Asn Tyr Asn Asp Phe Gly Asn Tyr Asn Gln Gln
          20          25          30
Pro Ser Asn Tyr Gly Pro Met Lys
          35          40

```

<210> 12

<211> 36

<212> PRT

<213> Homo sapiens

<400> 12

```

Trp Ile Gly Gly Ser Ile Leu Ala Ser Leu Ser Thr Phe Gln Gln Met
1          5          10          15
Trp Ile Ser Lys Gln Glu Tyr Asp Glu Ser Gly Pro Ser Ile Val His
          20          25          30
Arg Lys Cys Phe
          35

```

<210> 13

<211> 42

<212> PRT

<213> Homo sapiens

<400> 13

```

Ser Ser Gly Gln Pro Ser Ala Thr Gly Ala Tyr Pro Ala Thr Gly Pro
1          5          10          15
Tyr Gly Ala Pro Ala Gly Pro Leu Ile Val Pro Tyr Asn Leu Pro Leu
          20          25          30
Pro Gly Gly Val Val Pro Arg Met Leu Ile
          35          40

```

<210> 14

<211> 36

<212> PRT

<213> Homo sapiens

0457-15 Sequence listing (002).txt

<400> 14

Ser Ile Tyr Val Tyr Lys Val Leu Lys Gln Val His Pro Asp Thr Gly  
1 5 10 15  
Ile Ser Ser Lys Ala Met Gly Ile Met Asn Ser Phe Val Asn Asp Ile  
20 25 30  
Phe Glu Arg Ile  
35

<210> 15

<211> 41

<212> PRT

<213> Homo sapiens

<400> 15

Asn Gln Gly Gly Gly Tyr Gly Gly Gly Tyr Asp Asn Tyr Gly Gly Gly  
1 5 10 15  
Asn Tyr Gly Ser Gly Asn Tyr Asn Asp Phe Gly Asn Tyr Asn Gln Gln  
20 25 30  
Pro Ser Asn Tyr Gly Pro Met Lys Ser  
35 40

<210> 16

<211> 38

<212> PRT

<213> Homo sapiens

<400> 16

Ser Glu Pro Gly Ser Gly Arg Gly Pro Pro Gln Glu Glu Glu Glu Glu  
1 5 10 15  
Glu Asp Glu Glu Glu Glu Ala Thr Lys Glu Asp Ala Glu Ala Pro Gly  
20 25 30  
Ile Arg Asp His Glu Ser  
35

<210> 17

<211> 56

<212> PRT

<213> Homo sapiens

<400> 17

Ser Ala Leu Lys Ala Trp Gly Gly Lys Lys Glu Asn Leu Lys Ala Ala  
1 5 10 15  
Gln Glu Glu Tyr Val Lys Arg Ala Leu Ala Asn Ser Leu Ala Cys Gln  
20 25 30  
Gly Lys Tyr Thr Pro Ser Gly Gln Ala Gly Ala Ala Ala Ser Glu Ser  
35 40 45  
Leu Phe Val Ser Asn His Ala Tyr  
50 55

<210> 18

<211> 60

<212> PRT

<213> Homo sapiens

<400> 18

Glu Ala Ser Ser Arg Gly Gly Gly Ala Phe Ser Gly Gly Glu Asp Ala  
1 5 10 15  
Ser Glu Gly Gly Ala Glu Glu Gly Ala Gly Gly Ala Gly Gly Ser Ala  
20 25 30  
Gly Ala Gly Glu Gly Pro Val Ile Thr Ala Leu Thr Pro Met Thr Ile  
35 40 45  
Pro Asp Val Phe Pro His Leu Pro Leu Ile Ala Ile  
50 55 60