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<151> 2018-01-23

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Arg Ala Leu Leu Asp Ala Leu Pro Ile Glu Met Leu Asp Arg His His
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Thr His Phe Cys Pro Leu Glu Gly Glu Ser Trp Gln Asp Phe Leu Arg
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Asn Asn Ala Lys Ser Tyr Arg Cys Ala Leu Leu Ser His Arg Asp Gly
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Ala Lys Val His Leu Gly Thr Arg Pro Thr Glu Lys Gln Tyr Glu Thr
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Ile Ile Cys Gly Leu Glu Lys Gln Leu Lys Cys Glu Ser Gly Gly Pro
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Thr Asp Ala Leu Asp Asp Phe Asp Leu Asp Met Leu Pro Ala Asp Ala
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Gly Ala Gln Ser His His Phe Pro Thr Lys Leu Glu Leu Leu Leu Ala
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Asp Ala Ala Glu Phe Phe Leu Asp Asp Asp Phe Ser Ile Ser Leu Asp
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Leu Ile Val Ala Ala Asp Arg Asp Pro Ala Leu Arg Glu Gly Ile Gln
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Arg Thr Val Glu Arg Asn Arg Phe Val Val Glu Asp Met Trp Leu Gly
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Val Leu Val Ser Arg Gly Leu Ser Arg Asp Asp Ala Glu Asp Ile Leu
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Trp Leu Ile Phe Asn Ser Val Arg Gly Leu Ala Val Arg Ser Leu Trp
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Phe Pro Gly Asn Leu Pro Asn Met Leu Arg Asp Leu Arg Asp Ala Phe
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Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr Leu Glu Glu Val Met Pro
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Gln Ala Glu Asn Gln Asp Pro Asp Ile Lys Ala His Val Asn Ser Leu
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Gly Glu Asn Leu Lys Thr Leu Arg Leu Arg Leu Arg Arg Cys His Arg
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Phe Leu Pro Cys Glu Asn Lys Ser Lys Ala Val Glu Gln Val Lys Asn
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Ala Phe Asn Lys Leu Gln Glu Lys Gly Ile Tyr Lys Ala Met Ser Glu
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Phe Asp Ile Phe Ile Asn Tyr Ile Glu Ala Tyr Met Thr Met Lys Ile
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Arg Asn
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Met Tyr Arg Met Gln Leu Leu Ser Cys Ile Ala Leu Ser Leu Ala Leu
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Val Thr Asn Ser Ala His Ser His Arg Asp Phe Gln Pro Val Leu His
            20                  25                  30
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```
Leu Val Ala Leu Asn Ser Pro Leu Ser Gly Gly Met Arg Gly Ile Arg
        35                  40                  45

Gly Ala Asp Phe Gln Cys Phe Gln Gln Ala Arg Ala Val Gly Leu Ala
    50                  55                  60

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

Ile Val Arg Arg Ala Asp Arg Ala Ala Val Pro Ile Val Asn Leu Lys
                85                  90                  95

Asp Glu Leu Leu Phe Pro Ser Trp Glu Ala Leu Phe Ser Gly Ser Glu
            100                 105                 110

Gly Pro Leu Lys Pro Gly Ala Arg Ile Phe Ser Phe Asp Gly Lys Asp
        115                 120                 125

Val Leu Arg His Pro Thr Trp Pro Gln Lys Ser Val Trp His Gly Ser
    130                 135                 140

Asp Pro Asn Gly Arg Arg Leu Thr Glu Ser Tyr Cys Glu Thr Trp Arg
145                 150                 155                 160

Thr Glu Ala Pro Ser Ala Thr Gly Gln Ala Ser Ser Leu Leu Gly Gly
                165                 170                 175

Arg Leu Leu Gly Gln Ser Ala Ala Ser Cys His His Ala Tyr Ile Val
            180                 185                 190

Leu Cys Ile Glu Asn Ser Phe Met Thr Ala Ser Lys Val Pro Gly Val
        195                 200                 205

Gly Thr Asn Ser Val Tyr Leu Ser Glu Cys Lys Thr Gly Asn Gly Lys
    210                 215                 220

Asn Tyr Arg Gly Thr Met Ser Lys Thr Lys Asn Gly Ile Thr Cys Gln
225                 230                 235                 240
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Lys Trp Ser Ser Thr Ser Pro His Arg Pro Arg Phe Ser Pro Ala Thr
                245                 250                 255

His Pro Ser Glu Gly Leu Glu Glu Asn Tyr Cys Arg Asn Pro Asp Asn
            260                 265                 270

Asp Pro Gln Gly Pro Trp Cys Tyr Thr Thr Asp Pro Glu Lys Arg Tyr
        275                 280                 285

Asp Tyr Cys Asp Ile Leu Glu Cys Glu Glu Glu Cys Met His Cys Ser
    290                 295                 300

Gly Glu Asn Tyr Asp Gly Lys Ile Ser Lys Thr Met Ser Gly Leu Glu
305                 310                 315                 320

Cys Gln Ala Trp Asp Ser Gln Ser Pro His Ala His Gly Tyr Ile Pro
                325                 330                 335

Ser Lys Phe Pro Asn Lys Asn Leu Lys Lys Asn Tyr Cys Arg Asn Pro
            340                 345                 350

Asp Arg Glu Leu Arg Pro Trp Cys Phe Thr Thr Asp Pro Asn Lys Arg
        355                 360                 365

Trp Glu Leu Cys Asp Ile Pro Arg Cys Thr Thr Pro Pro Pro Ser Ser
    370                 375                 380

Gly Pro Thr Tyr Gln Cys Leu Lys Gly Thr Gly Glu Asn Tyr Arg Gly
385                 390                 395                 400

Asn Val Ala Val Thr Val Ser Gly His Thr Cys Gln His Trp Ser Ala
                405                 410                 415

Gln Thr Pro His Thr His Asn Arg Thr Pro Glu Asn Phe Pro Cys Lys
            420                 425                 430

Asn Leu Asp Glu Asn Tyr Cys Arg Asn Pro Asp Gly Lys Arg Ala Pro
        435                 440                 445

Trp Cys His Thr Thr Asn Ser Gln Val Arg Trp Glu Tyr Cys Lys Ile
    450                 455                 460
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Pro Ser Cys Asp Ser Ser Pro Val Ser Thr Glu Gln Leu Ala Pro Thr
465                 470                 475                 480

Ala Pro Pro Glu Leu Thr Pro Val Val Gln Asp Cys Tyr His Gly Asp
                485                 490                 495

Gly Gln Ser Tyr Arg Gly Thr Ser Ser Thr Thr Thr Thr Gly Lys Lys
            500                 505                 510

Cys Gln Ser Trp Ser Ser Met Thr Pro His Arg His Gln Lys Thr Pro
        515                 520                 525

Glu Asn Tyr Pro Asn Ala Gly Leu Thr Met Asn Tyr Cys Arg Asn Pro
    530                 535                 540

Asp Ala Asp Lys Gly Pro Trp Cys Phe Thr Thr Asp Pro Ser Val Arg
545                 550                 555                 560

Trp Glu Tyr Cys Asn Leu Lys Lys Cys Ser Gly Thr Glu Ala Ser Val
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Val
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<213> Homo sapiens

<400> 21

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Met Glu Ile Cys Arg Gly Leu Arg Ser His Leu Ile Thr Leu Leu Leu
1               5                   10                  15

Phe Leu Phe His Ser Glu Thr Ile Cys Arg Pro Ser Gly Arg Lys Ser
            20                  25                  30

Ser Lys Met Gln Ala Phe Arg Ile Trp Asp Val Asn Gln Lys Thr Phe
        35                  40                  45

Tyr Leu Arg Asn Asn Gln Leu Val Ala Gly Tyr Leu Gln Gly Pro Asn
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50 55 60

Val Asn Leu Glu Glu Lys Ile Asp Val Val Pro Ile Glu Pro His Ala
65 70 75 80

Leu Phe Leu Gly Ile His Gly Gly Lys Met Cys Leu Ser Cys Val Lys
85 90 95

Ser Gly Asp Glu Thr Arg Leu Gln Leu Glu Ala Val Asn Ile Thr Asp
100 105 110

Leu Ser Glu Asn Arg Lys Gln Asp Lys Arg Phe Ala Phe Ile Arg Ser
115 120 125

Asp Ser Gly Pro Thr Thr Ser Phe Glu Ser Ala Ala Cys Pro Gly Trp
130 135 140

Phe Leu Cys Thr Ala Met Glu Ala Asp Gln Pro Val Ser Leu Thr Asn
145 150 155 160

Met Pro Asp Glu Gly Val Met Val Thr Lys Phe Tyr Phe Gln Glu Asp
165 170 175

Glu

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<210> 28

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<220>
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<210> 48
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