

TECH-037 PCT seq listing_ST25.txt
SEQUENCE LISTING

<110> TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LTD.
THE UNIVERSITY OF VIRGINIA PATENT FOUNDATION

<120> ANTINEMATODAL METHODS AND COMPOSITIONS

<130> TECH/037 PCT

<150> US 61/438274

<151> 2011-02-01

<160> 27

<170> PatentIn version 3.5

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TECH-037 PCT seq listing_ST25.txt

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TECH-037 PCT seq listing_ST25.txt

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TECH-037 PCT seq listing_ST25.txt

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TECH-037 PCT seq listing_ST25.txt

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TECH-037 PCT seq listing_ST25.txt

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TECH-037 PCT seq listing_ST25.txt

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TECH-037 PCT seq listing_ST25.txt

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TECH-037 PCT seq listing_ST25.txt

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TECH-037 PCT seq listing_ST25.txt

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Phe Asp Ser Ser Leu Arg Gln Ala Val Val Thr His Ala Glu Gly Thr
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Asn Leu Gln Ile Ser Ile His Leu Asp Asp Glu Val Glu Ser Gln Asn
385 390 395 400

Leu Val Phe Phe His Asn Ala Ser Arg Ile Arg Asp Phe Ser Gly Ser
405 410 415

Ile Ile Val Asp Ser Lys Ser Asn Arg Leu Phe Asn Leu Thr Val Tyr
420 425 430

Glu Ala Ser Gly Lys Ile Asp Gly Ser Val Lys Met Ser Thr Gly Phe
435 440 445

Gly Ser Asp Thr Ile His Thr Phe Thr Ala Tyr Val Ser Asp Leu His
450 455 460

Ala Ser Asn Arg Ser Met Ile Ile Pro Leu Pro Ala Ile Val Gly Gln
465 470 475 480

Gly Ala Arg Ala Ile Cys Leu Arg Ala Asp Ser Met Ala Asp Ile Asp
485 490 495

Lys Ile Cys His Val Ile Glu Tyr Phe Glu Ser Pro Leu Glu Ile Asp
500 505 510

Leu Val Glu Gly Lys Trp His Glu Met Ile Gly Thr Cys Pro Thr Cys
515 520 525

Asn Gln Ile Asn Phe Asn Gly Met Met Lys Phe Leu Asn Pro Ala His
530 535 540

TECH-037 PCT seq listing_ST25.txt

Trp Ile Lys Gly Ile Ser Ser Ile Gly Asp Gly Val Met Ile Ala Thr
545 550 555 560

Asp Ile Val Val Tyr Leu Gly Val Leu Cys Ile Leu Tyr Leu Leu Ile
565 570 575

Thr Lys Ile Ile Val Pro Leu Val Arg Cys Trp Val Cys Pro Met Ser
580 585 590

Ile Phe Cys Asn Gly Ser Ser Ser Ser Ser Lys Asn Lys Asn Asp Lys
595 600 605

Arg Arg Lys Glu Arg Glu Glu Arg Arg Arg Lys Asp Lys Phe Val Ser
610 615 620

Glu Ser Glu Asp Gly Ala Arg Ser Ser Ser Glu Pro His Asp Thr Leu
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Ala Arg Tyr His Gly Asn His Ser Glu Arg His Tyr Ser Ser Ser Gln
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Tyr Ile

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<400> 25

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Met Gln Thr Gln Ile Gly Leu His Glu Thr Gly Cys Phe Phe Val Asn
35 40 45

Leu His Pro Asp Asn Arg Leu Ser Leu Asn Asp Thr Val Glu Glu Ser
50 55 60

Ile Leu Thr Ser Asn Thr Ser Leu Leu His Thr Leu Arg Tyr Glu Ser
65 70 75 80

Thr His Gln Leu Tyr Pro Val Arg Gln Gln Tyr Ile Phe Ala Ile Pro
85 90 95

Glu Ile Asp Ser Asp Cys Ile Cys Asp Cys Pro Gly Gly Asp Asp His
100 105 110

TECH-037 PCT seq listing_ST25.txt

Cys Ala Val Asp Tyr Ala Tyr Lys Asn Cys Thr Gly Asp Asn His Ser
 115 120 125
 Ala Phe Cys Val His Thr Tyr His Pro His Gln Ser Ala Ala Gly Cys
 130 135 140
 Gln Leu Ala Gly Glu Ala Asp Ile Cys Cys Lys Leu Val Val Lys Pro
 145 150 155 160
 Tyr Gln Asn Arg Arg Tyr Val Ala Val Gln Ile Gly Gln Pro Leu Thr
 165 170 175
 Val Ala Thr Phe His Tyr Gln Leu Tyr Ser Lys Gln His Tyr Asp Gln
 180 185 190
 Trp Gln Met Leu His Asp Gln Arg Phe Gln Ala Val Ser Gly Gln Ser
 195 200 205
 Gln Arg Val Gln Leu Asp Gln Ala Gly Leu Gln Leu Gln Leu Gly Asp
 210 215 220
 Leu Lys Pro Ile Trp Gln Leu Lys Glu Gly Met Tyr Val Phe Asp Leu
 225 230 235 240
 Asn Asp Glu Asn Phe Thr Leu Arg His Gly Val Pro Ile Asn Arg Phe
 245 250 255
 His Glu Tyr Ser Gly His Lys Leu Gly Trp Leu Arg Trp Gln Ser Ala
 260 265 270
 Asp Lys Arg Trp Thr Val Arg Asn Gly Arg Ile Lys Leu Gln Ala Ala
 275 280 285
 His Phe Val Gln Thr Val Asn Cys Leu Ala Gln Glu Tyr Ala Glu Thr
 290 295 300
 Tyr Asn Ala Asp Phe Tyr Val Pro Ser Lys Glu Asn Gly Gln Lys Pro
 305 310 315 320
 Phe Phe Leu Gly His Pro Val Glu Gln Thr Glu Arg Trp Ile Arg Thr
 325 330 335
 Val Lys Leu Val Asp Arg Ser Ser Thr Ser Arg Gln Ile Gln Val Glu
 340 345 350
 Gln Asn Gln Ser Pro Pro Ile Ser Ile Leu Leu Ser Phe Asn Ser Thr
 355 360 365
 Val Gly Met Thr Val Leu Tyr His Gly Ser Glu Leu Gly Glu Phe Val

370

Ala Thr Ile His Leu Asp Ala His Ser Asn Arg Phe Ile Asn Ile Thr
385 390 395 400

Ala Met Asn Cys Lys Gly Thr Leu Ile Gly Gln Leu Tyr Arg Ser Asn
405 410 415

Arg Gln Glu Thr Thr Glu Leu Val Phe Ser Ser Tyr Val Gly Gly Glu
420 425 430

Asp Arg Leu Gln Asn Ser Thr Ile Arg Ile Gly Ala Pro Ala Thr Val
435 440 445

Asn Gly Ser Arg Trp Leu Cys Leu Gln Pro Tyr Glu Lys Pro Lys Leu
450 455 460

Gln Lys Cys Arg Trp Ala Thr Phe Ser Ala Gln Pro Leu Pro Lys Val
465 470 475 480

Glu Leu Pro His Arg Trp Thr Gln Ala Gln Gly His Cys Thr Asp Cys
485 490 495

Asn Gln Ile Ser Val Asn Asn Phe Leu Lys Tyr Leu Asn Pro Ala Asn
500 505 510

Trp Thr Gln Gly Val Asn Gly Trp Ser Glu Ala Met Ala Val Gly Leu
515 520 525

Glu Val Ala Phe Tyr Leu Leu Leu Ala Val Ile Leu Cys Ala Val Cys
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Arg Arg Leu Ile Cys Pro Val Leu Arg Trp Thr Ile Cys Gly Asn Gly
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Arg Thr Asn Ala Asn Lys Leu
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<212> PRT

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<400> 26

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20 25 30

Tyr Ser Ser Arg Glu Ser Ala Gln Ala Leu Val Glu Thr Phe Ile Gln

TECH-037 PCT seq listing_ST25.txt

35

40

45

Ser Ser Ile Lys Pro Gly Glu Thr Leu Cys Phe Thr Leu His Asp Val
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Thr Asn Asp Asp Ala Thr Ser Asp Ala Ser Ile Ser Met Ala Thr Asn
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Gly Ser Val Pro Leu Leu Trp Gln Leu Thr Tyr Glu Gly Ile Glu Met
 85 90 95

Glu Tyr Gly Val Lys Asn Arg Tyr Ser Phe Tyr Arg Pro Lys Tyr Glu
 100 105 110

Ser Lys Cys Ile Cys Asp Cys Pro Gln Tyr Gly Asp Tyr Cys Asn Ser
 115 120 125

Lys Thr Asn Arg Cys Thr Glu His Glu Leu Asp Phe Cys Tyr Asn Thr
 130 135 140

Tyr Arg Ser Asp Gln Thr Ala His Gly Cys Leu Ala Tyr Trp Asn Ser
 145 150 155 160

Glu Glu Ser Glu Val Cys Cys Ala Leu Tyr Val Gly Lys His Pro Glu
 165 170 175

Ser Pro Lys Tyr Asp Ala Val Tyr Leu Ser Ser Asp Gly Lys Pro Ile
 180 185 190

Val Lys Leu Ala Leu Lys Val Tyr Asp Ser Arg Thr Asp Glu Val Val
 195 200 205

Tyr Ser Tyr Pro Thr Phe Thr Val Ala Leu Asn Asp Arg Thr His Arg
 210 215 220

Ala Gln His Ser Val Arg Met Glu Val Thr Gly Asp Thr Pro Thr Gln
 225 230 235 240

Ile Asp Ser Gly Tyr Tyr Tyr Ala Thr Ser Glu Gly Thr Gln Leu Tyr
 245 250 255

Thr Asp Val Ser Ile Asn Gly Leu Asn Glu Phe Asp Pro Arg Lys Met
 260 265 270

Gly Trp Leu Lys Val Arg Asp Asp Gly Thr Val Glu Arg Pro Pro Glu
 275 280 285

Arg Thr Val Leu Asp Ala Phe His Leu Lys Thr His Lys Cys His Asn
 290 295 300

TECH-037 PCT seq listing_ST25.txt

Lys Phe Asp Tyr Thr Glu Thr Trp Gln Ile Tyr Gly Glu Gly Asp Trp
 305 310 315 320
 Lys His Tyr Ser Gly Ser Arg Val Glu Asn Phe Tyr Gly Trp Val Arg
 325 330 335
 Arg Val Ser Tyr Tyr Pro Gln Arg Arg Ser Val Thr Val Val Pro Arg
 340 345 350
 Tyr Asp Arg Leu Val Thr Val Lys Ile Gly Ile Asn Thr Thr Thr Asn
 355 360 365
 Val Leu Phe Phe Tyr His Asp Ser Asp Leu Ile Asp Phe Thr Ala Glu
 370 375 380
 Val Arg Val Asp Lys His Ser Asn Arg Phe Ala Asn Ile Thr Leu Val
 385 390 395 400
 Ala Ala Val Gly Ser Leu Val Gly Ser Ile Thr Pro Tyr Tyr Gly Ala
 405 410 415
 Asp Gly Ala Ser Ser Ala Thr Val His Arg Phe Glu Leu His Val Asp
 420 425 430
 Ser Pro Pro Ala Ala Asn Thr Ile Lys Arg Ile Ser Leu Pro Lys Thr
 435 440 445
 Ile Asn Gly Thr Ser Arg Met Cys Leu Ser Pro Leu Ser Lys Pro Asn
 450 455 460
 Asn Glu Val Cys Lys Thr Val Pro Phe Ile Gln Glu Ala Leu Gln Asp
 465 470 475 480
 Phe Phe Val Pro Pro Thr Trp Arg Pro Gly Asn Pro Gly Ser Ala Gly
 485 490 495
 Pro Gly Phe Asn Phe Asn Trp Leu Phe Asp Phe Phe Gly Phe Leu Asn
 500 505 510
 Pro Ala Glu Trp Phe Asp Gly Ile Gln Gly Trp Leu Glu Leu Phe Ala
 515 520 525
 Met Leu Leu Asp Ile Ala Leu Phe Ile Ala Gly Ile Phe Leu Phe Ile
 530 535 540
 Lys Val Cys Thr Cys Phe Asn Val Phe Thr Thr Lys Ala Pro Lys Trp
 545 550 555 560
 Asp Glu Gly Val Glu Met Ser Val Leu Arg Arg Arg Lys Ala Glu Pro
 565 570 575

TECH-037 PCT seq listing_ST25.txt

Gly Asp Val Cys
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TECH-037 PCT seq listing_ST25.txt

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