

200328 P20195C000 - Listado de secuencias
LISTADO DE SECUENCIAS

<110> EVELO BIOSCIENCES, INC.

<120> VESÍCULAS EXTRACELULARES DE PREVOTELLA

<130> ETB-011.25

<140> PCT/US2018/050212

<141> 2018-09-10

<150> 62/668,556

<151> 2018-05-08

<150> 62/632,859

<151> 2018-02-20

<150> 62/556,020

<151> 2017-09-08

<160> 69

<170> PatentIn version 3.5

<210> 1

<211> 770

<212> PRT

<213> Desconocido

<220>

<221> fuente

<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

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Ala Val Ser Ala Ile Thr Ala Lys Ala Ala Asp His Leu Ala Ile Val
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Gly Glu Ala Val Trp Gly Gly Trp Asp Leu Val Lys Ala Thr Ala Met
35 40 45

Val Lys Ser Pro Asn Asn Pro Asp Val Phe Met Ala Thr Val His Leu
50 55 60

Asn Ala Gly Lys Gly Phe Lys Phe Leu Thr Glu Arg Glu Trp Gly Lys
65 70 75 80

Leu Glu Tyr Arg Ser Gly Ala Ser Asp Val Val Leu Lys Ser Gly Ile
85 90 95

Arg Tyr Lys Leu Tyr Ala Ser Ile Gly Ala Ser Glu Asp Gly Lys Phe
100 105 110

Lys Val Ser Glu Ser Ala Asn Tyr Glu Ile Ile Cys Asp Leu Ala Arg
115 120 125

Lys Thr Val Glu Val Lys Lys Val Ala Tyr Gln Ala Lys Glu Ile Arg
130 135 140

Tyr Ala Ala Leu Trp Met Ile Gly Asp Ala Thr Ala Gly Asp Trp Asp
145 150 155 160

Tyr Asn Asn Gly Val Leu Leu Ser Gln Asp Ser Gly Asn Pro Thr Cys
165 170 175

Tyr Thr Ala Thr Val Glu Leu Lys Glu Gly Glu Phe Lys Phe Thr Thr
180 185 190

Asn Lys Gln Trp Gly Tyr Asp His Ser Val Tyr Ile Phe Arg Asp Val
195 200 205

Asn Asp Gln Asn Lys Ile Val Phe Gly Gly Glu Asp Asn Lys Trp Arg
210 215 220

Ile Thr Glu Asp Gly Met Tyr Asn Val Thr Val Asp Val Pro Thr Lys
225 230 235 240

Thr Ile Ser Ile Lys Gln Ile Asp Asp Pro Ala Gly His Lys Pro Gln
245 250 255

Phe Gly Asn Asp Val Ile Leu Val Gly Asp Ala Thr Ile Ala Gly Trp
260 265 270

Asn Leu Asp Asn Ala Ile Tyr Leu Glu His Thr Gly Gln Ala Gly Arg
 275 280 285
 Val Phe Lys Thr Thr Thr Tyr Leu Glu Ala Gly Lys Gly Phe Lys Phe
 290 295 300
 Leu Ser Met Leu Ser Tyr Asp Asp Ile Asp Tyr Arg Pro Ala Asn Asn
 305 310 315 320
 Thr Val Leu Asn Pro Gly Val Pro Gly Thr Phe Val Pro Ser Leu Pro
 325 330 335
 Ser Ser Thr Asp Thr Lys Phe Ser Val Glu Arg Ser Gly Asn Tyr Asp
 340 345 350
 Ile Val Cys Asn Met Asn Asn Arg Thr Val Val Val Thr Leu Ser Glu
 355 360 365
 Asn Gln Val Leu Val Asn Tyr Pro Ala Leu Trp Leu Ile Gly Ser Ala
 370 375 380
 Thr Ser Ala Gly Trp Asn Pro Gly Lys Ala Val Glu Leu Lys Arg Ser
 385 390 395 400
 Glu Ala Asp Pro Ala Val Tyr Thr Ala Arg Val Gln Leu Lys Lys Gly
 405 410 415
 Glu Phe Lys Ile Leu Thr Ser Lys Asn Val Gly Phe Asp Gln Pro Thr
 420 425 430
 Tyr Tyr Arg Asp Ser Thr Asn Glu His Arg Ile Val Phe Gly Val Asp
 435 440 445
 Gly Asp Glu Val Ala Lys Lys Asp Cys Lys Trp Thr Leu Ser Glu Asn
 450 455 460
 Ala Glu Gly Thr Tyr Asp Val Thr Val Asp Ile Glu Ala Met Thr Ile
 465 470 475 480
 Phe Cys Asp Lys Val Asn Met Asp Glu Pro Ser Val Glu Ser Thr Asp
 485 490 495
 Lys Glu Leu Ile Leu Ile Gly Asp Ala Thr Tyr Ser Ala Trp Asp Leu
 500 505 510
 Pro Lys Ser Ile Val Met Thr Pro Val Gly Pro Thr Thr Phe Lys Ala
 515 520 525
 Val Thr His Leu Glu Ala Gly Lys Glu Phe Lys Phe Leu Thr Glu Leu
 530 535 540
 Ala Trp Lys Arg Tyr Glu Tyr Arg Ala Glu Ser Leu Arg Lys Glu Leu
 545 550 555 560
 Gln Glu Gly Ser Met Ser Met Leu Val Pro Tyr Arg Tyr Thr Asn Asp
 565 570 575
 Lys Asp Asp Lys Asp His Asp Phe Lys Phe Val Val Lys Glu Ser Gly
 580 585 590
 Asn Tyr Glu Ile Val Cys Asp Leu Tyr Ile Pro Ala Leu Ile Ile Arg
 595 600 605
 Lys Val Arg Tyr Gln Asp Thr Pro Val Thr Tyr Ser Ser Leu Trp Ile
 610 615 620
 Val Gly Ser Ala Thr Pro Gly Gly Trp Thr Ile Glu Arg Gly Ile Lys
 625 630 635 640
 Met Thr Gln Asp Glu Asn Tyr Pro Thr Lys Phe Thr Ala Lys Ala Asn
 645 650 655
 Leu Val Pro Gly Glu Leu Lys Phe Ala Thr Asn Lys Phe Ala Asp Phe
 660 665 670
 Thr Gln Asp Phe Phe Phe Arg Gly Lys Asp Asp Tyr Thr Ala Val Leu
 675 680 685

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Gly Gly Asn Asp Asn Lys Trp Asn Ile Thr Glu Ala Gly Thr Tyr Ser
690 695 700

Val Thr Ile Asp Val Ala Ser Lys Arg Val Thr Ile Thr Lys Pro Ala
705 710 715 720

Arg Asn Ala Pro Thr Gly Ile Ser Thr Val Asp Ser Ser Asp Glu Ala
725 730 735

Pro Ala Glu Tyr Phe Thr Leu Asn Gly Ile Lys Val Thr Thr Pro Ser
740 745 750

Ser Gly Ile Tyr Ile Lys Arg Gln Gly Gly Arg Thr Thr Lys Val Val
755 760 765

Met Lys
770

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<211> 193
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<213> Desconocido

<220>
<221> fuente
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Secuencia de Prevotella"

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Ile Tyr Ile Tyr Gln Glu Tyr Lys Ala Ser Ile Trp Leu Trp Met Thr
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Gly Ile Ile Met Pro Val Ile Tyr Met Phe Val Tyr Tyr Glu Ala Gly
35 40 45

Leu Tyr Ala Asp Phe Gly Met Gln Ile Tyr Tyr Thr Leu Ala Ala Ile
50 55 60

Tyr Gly Tyr Leu Tyr Trp Lys Leu Gly Lys Lys Lys Gly Thr Glu Asp
65 70 75 80

Lys Glu Ile Pro Ile Thr His Phe Pro Arg Arg Tyr Ile Ile Pro Ala
85 90 95

Ile Ile Val Phe Phe Val Leu Trp Ile Ala Leu Tyr Tyr Ile Leu Ile
100 105 110

Cys Phe Thr Asn Ser Thr Val Pro Val Leu Asp Ser Phe Gly Asn Ala
115 120 125

Leu Ser Phe Ile Gly Leu Trp Ala Leu Ala Lys Lys Tyr Leu Glu Gln
130 135 140

Trp Trp Ile Trp Ile Val Val Asp Ala Glu Leu Ser Ala Leu Tyr Ile
145 150 155 160

Tyr Lys Gly Ile Pro Phe Thr Ala Met Leu Tyr Ala Leu Tyr Thr Val
165 170 175

Ile Ala Val Ala Gly Tyr Phe Lys Trp Arg Arg Tyr Ile Lys Gln Gln
180 185 190

Lys

<210> 3
<211> 544
<212> PRT
<213> Desconocido

<220>
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<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

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 Ser Gln Pro Ile Glu Asn Gly Leu Ile Ile Thr Glu Ser Lys Gly Trp
 35 40 45
 Leu Glu Thr Ile Tyr Ala Lys Trp Lys Pro Val Ala Glu Ala Asp Gly
 50 55 60
 Tyr Tyr Val Tyr Val Lys Gly Gly Gln Tyr Ala Asp Tyr Ser Lys Val
 65 70 75 80
 Asp Ser Glu Leu Ile Arg Val Tyr Asn Gly Tyr Val Arg Val Asp Ile
 85 90 95
 Pro Gly Leu Lys Ala Gly Thr Tyr Ser Leu Lys Ile Val Ala Val Lys
 100 105 110
 Gly Gly Lys Glu Thr Gln Ser Ser Glu Val Thr Gly Leu Lys Val Leu
 115 120 125
 Asn Tyr Val Arg Glu Gly Phe Ala His Lys Asn Tyr Ser Gly Val Gly
 130 135 140
 Ala Tyr Asn Asp Asp Gly Thr Leu Lys Ser Gly Ala Val Val Ile Tyr
 145 150 155 160
 Val Asn Lys Asp Asn Ala Lys Thr Val Ser Ala His Leu Gly Lys Thr
 165 170 175
 Thr Phe Ile Gly Leu Gln Ala Ile Leu Asn Ala Tyr Gln Lys Gly Asn
 180 185 190
 Ile Thr Thr Pro Leu Ser Val Arg Ile Leu Gly Leu Leu Arg Asn Gly
 195 200 205
 Asp Thr Asp Thr Phe Gly Ser Ser Thr Glu Gly Ile Gln Ile Lys Gly
 210 215 220
 Lys Gln Ala Asp Ser Glu Met Asn Ile Thr Ile Glu Gly Ile Gly Glu
 225 230 235 240
 Asp Ala Ser Ile Tyr Gly Phe Gly Phe Leu Val Arg Asn Ala Lys Ser
 245 250 255
 Val Glu Phe Arg Asn Leu Gly Ile Met Arg Ala Met Asp Asp Gly Val
 260 265 270
 Ser Leu Asp Thr Asn Asn Ser Asn Ile Trp Ile His His Met Asp Leu
 275 280 285
 Phe Tyr Gly Lys Ala Ser Gly Gly Asp His Ile Lys Gly Asp Gly Ser
 290 295 300
 Ile Asp Val Lys Thr Asp Ser Lys Tyr Val Thr Ile Asp Asn Cys His
 305 310 315 320
 Phe Trp Asp Thr Gly Lys Thr Ser Met Cys Gly Met Lys Lys Glu Thr
 325 330 335
 Gly Pro Asn Tyr Ile Thr Tyr His His Asn Trp Phe Asp His Ser Asp
 340 345 350
 Ser Arg His Ala Arg Val Arg Thr Met Ser Val His Leu Trp Asn Asn
 355 360 365
 Tyr Tyr Asp Gly Cys Ala Lys Tyr Gly Ile Gly Ala Thr Met Gly Cys
 370 375 380
 Ser Val Phe Ser Glu Asn Asn Tyr Phe Arg Ala Thr Lys Asn Pro Ile
 385 390 395 400
 Leu Ile Ser Lys Gln Gly Ser Asp Ala Lys Gly Thr Gly Lys Phe Ser
 405 410 415
 Gly Glu Pro Gly Gly Met Val Lys Glu Tyr Gly Ser Leu Phe Thr Glu
 420 425 430

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Lys Gly Ala Glu Ser Thr Tyr Thr Pro Ile Ser Tyr Ala Asp Asn Asn
435 440 445

Ser Ser Phe Asp Phe Tyr His Ala Ile Ser Arg Asn Glu Lys Val Pro
450 455 460

Ala Ser Val Lys Thr Leu Asn Gly Gly Asn Ile Tyr Asn Asn Phe Asp
465 470 475 480

Thr Asp Ala Ala Leu Met Tyr Ser Tyr Thr Pro Asp Ala Thr Ala Leu
485 490 495

Val Pro Ser Gln Val Thr Gly Phe Tyr Gly Ala Gly Arg Leu Asn His
500 505 510

Gly Ser Leu Gln Phe Lys Phe Asn Asn Ala Val Glu Asp Thr Asn Ser
515 520 525

Thr Pro Ile Pro Ala Leu Glu Ala Leu Ile Asp Ala Tyr Ser Gly Lys
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<210> 4
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<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

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Gly Met Glu Arg Ile Leu Ser Val Cys Ala Asn Leu Leu Ser Asp Ile
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Tyr Ser Ile Thr Ile Ile Val Ala Asn Gln Arg Gly Arg Glu His Ala
35 40 45

Tyr Asn Leu Ala Gln Asn Val Asn Val Val Asp Leu Gly Val Ser Cys
50 55 60

Lys Asn Tyr Lys Glu Glu Tyr Lys Lys Ser Leu Thr Arg Tyr Leu Gln
65 70 75 80

Asp His Gln Phe Ser Val Val Ile Ser Leu Ala Gly Leu Glu Leu Phe
85 90 95

Phe Leu Pro Gln Ile Lys Asp Gly Ser Lys Lys Val Met Trp Phe His
100 105 110

Phe Ala Phe Asp Val Ser Lys Met Phe Leu Ser Glu Arg Phe His Gly
115 120 125

Trp Lys Leu Asn Leu Leu Tyr Tyr Ile His Thr Ile Arg Arg Ile Tyr
130 135 140

Phe Ala Lys Lys Phe Asp Thr Ile Val Val Leu Ser Lys Ser Asp Cys
145 150 155 160

Asp Ser Trp Ser Arg Phe Cys Asn Asn Val Lys Tyr Ile Tyr Asn Pro
165 170 175

Ile Thr Ile Asp Arg Lys Val Ile Ser Asn Leu Ser Glu Glu Ser Val
180 185 190

Ile Ala Val Gly Arg Leu Gly Trp Gln Lys Gly Phe Asp Phe Leu Ile
195 200 205

Asp Ser Trp Val Leu Val Asp Asp Lys His Pro Asp Trp His Leu Asp
210 215 220

Ile Phe Gly Glu Gly Pro Asp Arg Leu Glu Leu Gln His Gln Ile Asp
225 230 235 240

Arg Lys Gly Leu His Asp Lys Val Arg Leu Cys Gly Val Thr Lys Gln
245 250 255

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Ile Glu Glu Glu Tyr Gly Lys His Ser Ile Tyr Val Met Ser Ser Arg
260 265 270

Ala Glu Gly Phe Pro Leu Ala Leu Leu Glu Ala Ser Ser Cys Gly Leu
275 280 285

Pro Met Ile Ser Phe Asn Cys His Gln Gly Pro Asn Glu Ile Ile Gln
290 295 300

Glu Gly Glu Asn Gly Phe Leu Val Asp Lys Val Gly Asp Ile Tyr Thr
305 310 315 320

Leu Ser Asp Arg Ile Cys Lys Leu Ile Glu Asp Asn Asn Leu Arg Asn
325 330 335

Met Met Gly Lys Lys Ala Leu Asp Ser Ser Phe Arg Phe Glu Gly Glu
340 345 350

Val Ile Lys Lys Asp Trp Ile Ser Leu Leu Lys Gln Leu Ile
355 360 365

<210> 5
<211> 158
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<213> Desconocido

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<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

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1 5 10 15

Asn Ser Leu Ala Gln Glu Glu Lys Pro Ile Lys Tyr Glu Thr Lys Asn
20 25 30

Phe Ser Leu Pro Asp Lys Met Pro Leu Tyr Pro Gly Gly Asp Gly Ala
35 40 45

Leu Arg Ala Phe Leu Ser Leu Asn Leu His Tyr Pro Glu Lys Ala Gln
50 55 60

Ala Phe Gly Val Glu Gly Arg Ser Leu Met Lys Phe Cys Val Ser Ser
65 70 75 80

Asp Gly Ser Ile Lys Asp Ile Ser Ala Val Asp Cys Lys Ile Thr Asn
85 90 95

Tyr Asn Arg Thr Glu Phe Asn Lys Leu Pro Leu Ser Lys Gln Glu Ser
100 105 110

Leu Lys Lys Glu Cys Ala Lys Ala Phe Ala Lys Glu Ala Ala Arg Val
115 120 125

Ile Arg Leu Met Pro Lys Trp Glu Pro Ala Glu Leu Asn Gly Lys Lys
130 135 140

Met Asn Val Tyr Tyr Ser Leu Pro Phe Thr Phe Lys Leu Arg
145 150 155

<210> 6
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<212> PRT
<213> Desconocido

<220>
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Secuencia de Prevotella"

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Arg Thr Arg Lys Val Ser Lys Pro Ala Ile Arg Ile Ala Thr Ile Gly
20 25 30

Val Ala Ile Gly Leu Ala Val Met Ile Ile Ser Val Gly Val Val Leu
35 40 45

Gly Phe Lys His Thr Ile Arg Asn Lys Val Val Gly Phe Gly Ser Asp
 50 55 60
 Ile Thr Val Ala Asn Phe Leu Thr Leu Gln Ser Ser Glu Gln Tyr Pro
 65 70 75 80
 Ile Gln Ile Thr Asp Ser Leu Val Lys Ser Leu Gln Ile Thr Pro Gly
 85 90 95
 Ile Lys His Val Gln Arg Tyr Asp Tyr Thr Gln Gly Ile Leu Lys Thr
 100 105 110
 Asp Asn Asp Phe Leu Gly Val Leu Leu Lys Gly Val Gly Pro Asp Phe
 115 120 125
 Asp Ser Thr Phe Ile His Glu Asn Met Val Glu Gly Ser Leu Pro His
 130 135 140
 Phe His Asp Asn Glu Ser Gln Gln Lys Ile Val Ile Ser Lys Thr Ile
 145 150 155 160
 Ala Asp Lys Leu Asn Leu Lys Val Gly Gln Arg Ile Phe Ala Tyr Phe
 165 170 175
 Ile Asn Lys Gln Gly Val Arg Thr Arg Lys Phe Thr Ile Thr Gly Ile
 180 185 190
 Tyr Ala Thr Asn Met Lys Gln Phe Asp Ser Gln Ile Cys Phe Thr Asp
 195 200 205
 Ile Tyr Thr Thr Asn Lys Leu Asn Gly Trp Glu Pro Asp Gln Tyr Ser
 210 215 220
 Gly Ala Glu Leu Gln Val Asp Asn Phe Ser Gln Leu Thr Pro Ile Ser
 225 230 235 240
 Met Arg Val Leu Asn Lys Val Lys Asn Thr Val Asp His Tyr Gly Gly
 245 250 255
 Thr Tyr Ser Ser Glu Asn Ile Ile Glu Gln Asn Pro Gln Ile Phe Ser
 260 265 270
 Trp Leu Asp Leu Met Asp Met Asn Val Trp Ile Ile Leu Ala Leu Met
 275 280 285
 Ile Ser Val Ala Gly Val Thr Met Ile Ser Gly Leu Leu Ile Ile Ile
 290 295 300
 Leu Glu Arg Thr Gln Met Ile Gly Ile Leu Lys Ala Leu Gly Ser Arg
 305 310 315 320
 Asn Arg Gln Ile Arg His Ile Phe Leu Trp Phe Ala Thr Phe Ile Ile
 325 330 335
 Gly Lys Gly Leu Leu Trp Gly Asn Ile Ile Gly Leu Gly Cys Ile Leu
 340 345 350
 Phe Gln Ser Trp Thr Gly Leu Val Lys Leu Asp Pro Gln Thr Tyr Tyr
 355 360 365
 Val Asn Thr Val Pro Val Glu Ile Asn Ile Pro Leu Ile Ile Ala Leu
 370 375 380
 Asn Met Val Thr Met Leu Val Cys Leu Val Ile Leu Ile Ala Pro Ser
 385 390 395 400
 Tyr Leu Ile Ser His Ile His Pro Ala Lys Ser Met His Tyr Glu
 405 410 415

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 Secuencia de Prevotella"

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 Gln Ile Leu Asp Glu Leu Lys Asp Thr Leu Asp Lys Ser Phe Leu Glu
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 Asn Asp Leu Pro Met Leu Gln Val Gln Leu Lys Asp Ser Val Ala Lys
 35 40 45
 Asn Thr Ile His Arg Asn Val Phe Gly Leu Asn Pro Ile Leu Cys Ser
 50 55 60
 Leu Gln Thr Ala Ala Ile Ala Val Lys Asp Ile Gly Leu Lys Arg Asp
 65 70 75 80
 Ser Val Ile Ala Ile Leu Leu His Gln Ser Val Gln Asp Gly Tyr Ile
 85 90 95
 Thr Leu Glu Asp Ile Asp Asn Arg Phe Gly Lys Ser Val Ala Lys Ile
 100 105 110
 Ile His Gly Leu Ile Arg Ile Gln Thr Leu Tyr Gln Lys Asn Pro Ile
 115 120 125
 Ile Glu Ser Glu Asn Phe Arg Asn Leu Leu Leu Ser Phe Ala Glu Asp
 130 135 140
 Met Arg Val Ile Leu Ile Met Ile Ala Asp Arg Val Asn Leu Met Arg
 145 150 155 160
 Gln Ile Arg Asp Ala Glu Asp Lys Glu Ala Gln His Lys Val Ala Glu
 165 170 175
 Glu Ala Ser Tyr Leu Tyr Ala Pro Leu Ala His Lys Leu Gly Leu Tyr
 180 185 190
 Gln Leu Lys Arg Glu Leu Glu Asp Leu Ser Leu Lys Tyr Leu Glu His
 195 200 205
 Asp Ala Tyr Tyr Leu Ile Lys Asp Lys Leu Asn Ala Thr Lys Ala Ser
 210 215 220
 Arg Asp Ala Tyr Ile Asn Gln Phe Ile Ala Pro Val Arg Glu Arg Leu
 225 230 235 240
 Thr Ala Gly Gly Leu Arg Phe His Ile Lys Gly Arg Thr Lys Ser Ile
 245 250 255
 His Ser Ile Trp Gln Lys Met Lys Lys Gln Lys Cys Gly Phe Glu Gly
 260 265 270
 Ile Tyr Asp Leu Phe Ala Ile Arg Ile Ile Leu Asp Ala Pro Leu Glu
 275 280 285
 Lys Glu Lys Ile Gln Cys Trp Gln Ala Tyr Ser Ile Val Thr Asp Met
 290 295 300
 Tyr Gln Pro Asn Pro Lys Arg Leu Arg Asp Trp Leu Ser Val Pro Lys
 305 310 315 320
 Ser Asn Gly Tyr Glu Cys Leu His Ile Thr Val Leu Gly Pro Glu Lys
 325 330 335
 Lys Trp Val Glu Val Gln Ile Arg Thr Glu Arg Met Asp Glu Ile Ala
 340 345 350
 Glu His Gly Leu Ala Ala His Trp Arg Tyr Lys Gly Ile Lys Glu Glu
 355 360 365
 Gly Gly Leu Asp Asp Trp Leu Ala Ser Ile Arg Ala Ala Leu Glu Ala
 370 375 380
 Gly Asp Asn Leu Glu Val Met Asp Gln Phe Lys Ser Asp Leu Tyr Glu
 385 390 395 400
 Lys Glu Ile Tyr Val Phe Thr Pro Lys Gly Asp Leu Leu Lys Phe Pro
 405 410 415

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Lys Gly Ala Thr Ile Leu Asp Phe Ala Tyr His Ile His Ser Lys Val
 420 425 430
 Gly Asn Gln Cys Val Gly Gly Lys Ile Asn Ala Lys Asn Val Ser Leu
 435 440 445
 Arg Thr Glu Leu His Ser Gly Asp Thr Val Glu Ile Leu Thr Ser Ala
 450 455 460
 Thr Gln Lys Pro Lys Ala Glu Trp Leu Lys Ile Val Lys Ser Ser Arg
 465 470 475 480
 Ala Lys Ala Lys Ile Arg Leu Ala Leu Lys Glu Thr Gln Ile Lys Asp
 485 490 495
 Gly Leu Tyr Ala Lys Glu Leu Leu Glu Arg Arg Phe Lys Asn Lys Lys
 500 505 510
 Ile Glu Ile Glu Glu Ser Thr Met Gly His Leu Leu Arg Lys Leu Gly
 515 520 525
 Phe Lys Glu Val Ser Glu Phe Tyr Lys Gln Val Ala Asp Glu Lys Leu
 530 535 540
 Asp Pro Asn Tyr Ile Ile Glu Glu Tyr Gln Lys Val Tyr Asn His Asp
 545 550 555 560
 His Asn Leu Asn Gln Pro Lys Glu Thr Glu Ser Ala Glu Asn Phe Glu
 565 570 575
 Phe Glu Asn Pro Thr Asn Glu Phe Leu Lys Lys Asn Asp Asp Val Leu
 580 585 590
 Val Ile Asp Lys Asn Leu Lys Gly Leu Asp Phe Ser Leu Ala Lys Cys
 595 600 605
 Cys His Pro Ile Tyr Gly Asp Pro Val Phe Gly Phe Val Thr Val Asn
 610 615 620
 Gly Gly Ile Lys Ile His Arg Thr Asp Cys Pro Asn Ala Pro Glu Met
 625 630 635 640
 Arg Lys Arg Phe Gly Tyr Arg Ile Val Lys Ala Arg Trp Ser Gly Lys
 645 650 655
 Gly Ser Ser Gln Tyr Ala Ile Thr Leu Arg Val Ile Gly Asn Asp Asp
 660 665 670
 Ile Gly Ile Val Ser Asn Ile Thr Asn Val Ile Ser Lys Asp Glu Lys
 675 680 685
 Ile Val Met Arg Ser Ile Asn Ile Asp Ser His Asp Gly Leu Phe Ser
 690 695 700
 Gly Asn Leu Val Val Leu Leu Asp Asp Asn Ser Lys Leu Asn Met Leu
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 Secuencia de Prevotella"
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 Ile Leu Phe Gly Leu Asn Leu Ile Ile Gly Ser Val His Ile Pro Leu
 20 25 30
 Ser Asp Ile Leu Thr Ile Leu Ser Gly Ser Phe Thr Gly Lys Glu Ser
 35 40 45

200328 P20195C000 - Listado de secuencias

Trp Arg Phe Ile Ile Trp Asp Ser Arg Leu Pro Gln Ala Leu Thr Ala
 50 55 60
 Met Leu Cys Gly Ser Ser Leu Ala Val Cys Gly Leu Met Leu Gln Thr
 65 70 75 80
 Ala Phe Arg Asn Pro Leu Ala Gly Pro Asp Val Phe Gly Ile Ser Ser
 85 90 95
 Gly Ala Ser Leu Gly Val Ala Leu Val Met Leu Leu Leu Gly Gly Thr
 100 105 110
 Val Glu Thr Ser Met Phe Thr Ala Ser Gly Phe Leu Ala Ile Leu Ile
 115 120 125
 Val Ala Phe Ala Gly Ala Ile Leu Val Thr Ala Phe Ile Leu Phe Leu
 130 135 140
 Ser Ser Val Val Arg Asn Ser Val Leu Leu Leu Ile Val Gly Ile Met
 145 150 155 160
 Val Gly Tyr Val Ala Ser Ser Ala Val Thr Leu Leu Asn Phe Phe Ser
 165 170 175
 Ser Glu Asp Gly Val Lys Gly Tyr Ile Val Trp Gly Met Gly Asn Phe
 180 185 190
 Gly Gly Val Ser Met Ser His Ile Pro Leu Phe Ala Phe Leu Cys Leu
 195 200 205
 Ala Gly Ile Ile Ala Ser Phe Leu Leu Val Lys Pro Leu Asn Ile Leu
 210 215 220
 Leu Leu Gly Pro Gln Tyr Ala Glu Ser Leu Gly Ile Ser Ile Arg Arg
 225 230 235 240
 Ile Arg Asn Ile Leu Leu Val Val Val Gly Ile Leu Thr Ala Val Thr
 245 250 255
 Thr Ala Phe Cys Gly Pro Ile Ser Phe Ile Gly Leu Ala Ala Pro His
 260 265 270
 Val Ala Arg Leu Leu Phe Arg Thr Glu Asn His Gln Lys Leu Leu Pro
 275 280 285
 Gly Thr Leu Leu Val Gly Thr Val Val Ala Leu Leu Cys Asn Leu Ile
 290 295 300
 Cys Phe Leu Pro Arg Glu Ser Gly Met Ile Pro Leu Asn Ala Val Thr
 305 310 315 320
 Pro Leu Ile Gly Ala Pro Ile Ile Ile Tyr Val Ile Met Lys Arg His
 325 330 335
 <210> 9
 <211> 524
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 Secuencia de Prevotella"
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 Met Lys Leu Glu Asn Lys Glu Phe Gly Phe Asp Ser Phe Ala Thr Glu
 1 5 10 15
 Met Ala Arg Leu Lys Asn Glu Lys His Phe Asp Tyr Leu Val Thr Val
 20 25 30
 Val Gly Glu Asp Phe Gly Thr Glu Glu Gly Leu Gly Cys Ile Tyr Ile
 35 40 45
 Leu Glu Asn Thr Ser Thr His Glu Arg Cys Ser Val Lys Gln Leu Ala
 50 55 60
 Lys Lys Val Gly Glu Glu Phe Val Ile Pro Ser Val Ile Lys Leu Trp
 65 70 75 80

200328 P20195C000 - Listado de secuencias

Ala Asp Ala Asp Leu Leu Glu Arg Glu Val Tyr Asp Phe Tyr Gly Ile
85 90 95

Lys Phe Leu Gly His Pro Asp Met Arg Arg Leu Phe Leu Arg Asn Asp
100 105 110

Phe Lys Gly Tyr Pro Leu Arg Lys Asp Tyr Asp Met Asp Pro Ala Lys
115 120 125

Asn Met Tyr Thr Thr Glu Asp Asp Val Glu Leu Asp Thr Thr Thr Glu
130 135 140

Trp Asn Leu Asp Lys Asn Gly Glu Leu Val Gly Thr Gln His Ala Leu
145 150 155 160

Phe Thr Asp Asp Asn Phe Val Val Asn Ile Gly Pro Gln His Pro Ser
165 170 175

Thr His Gly Val Leu Arg Leu Gln Thr Val Leu Asp Gly Glu Thr Val
180 185 190

Thr Asn Ile Tyr Pro His Leu Gly Tyr Ile His Arg Gly Ile Glu Lys
195 200 205

Leu Cys Glu Gln Phe Thr Tyr Pro Gln Thr Leu Ala Leu Thr Asp Arg
210 215 220

Met Asn Tyr Leu Ser Ala Met Met Asn Arg His Ala Leu Val Gly Val
225 230 235 240

Ile Glu Glu Gly Met Gly Ile Glu Leu Ser Glu Arg Ile Leu Tyr Ile
245 250 255

Arg Thr Ile Met Asp Glu Leu Gln Arg Ile Asp Asn His Leu Leu Tyr
260 265 270

Thr Ala Cys Cys Ala Gln Asp Leu Gly Ala Leu Thr Ala Phe Leu Tyr
275 280 285

Gly Met Arg Asp Arg Glu His Val Leu Asn Val Met Glu Glu Thr Thr
290 295 300

Gly Gly Arg Leu Ile Gln Asn Tyr Tyr Arg Ile Gly Gly Leu Gln Ala
305 310 315 320

Asp Ile Asp Pro Asn Phe Val Ser Asn Val Lys Glu Leu Cys Lys Tyr
325 330 335

Leu Arg Pro Met Ile Gln Glu Tyr Val Asp Val Phe Gly Asp Asn Val
340 345 350

Ile Thr His Gln Arg Phe Glu Gly Val Gly Val Met Asp Glu Lys Asp
355 360 365

Cys Ile Ser Tyr Gly Val Thr Gly Pro Ala Gly Arg Ala Ser Gly Trp
370 375 380

Lys Asn Asp Val Arg Lys Tyr His Pro Tyr Ala Met Tyr Asp Lys Val
385 390 395 400

Asn Phe Glu Glu Ile Thr Leu Thr Asn Gly Asp Ser Met Asp Arg Tyr
405 410 415

Phe Cys His Ile Lys Glu Ile Tyr Gln Ser Leu Asn Ile Ile Glu Gln
420 425 430

Leu Ile Asp Asn Ile Pro Glu Gly Glu Phe Tyr Ile Lys Gln Lys Pro
435 440 445

Ile Ile Lys Val Pro Glu Gly Gln Trp Tyr Phe Ser Val Glu Gly Ala
450 455 460

Ser Gly Glu Phe Gly Ala Tyr Leu Asp Ser Arg Gly Asp Lys Thr Ala
465 470 475 480

Tyr Arg Leu Lys Phe Arg Pro Met Gly Leu Thr Leu Val Gly Ala Met
485 490 495

Asp Lys Met Leu Arg Gly Gln Lys Ile Ala Asp Leu Val Thr Thr Gly
500 505 510

Ala Ala Leu Asp Phe Val Ile Pro Asp Ile Asp Arg
515 520

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<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 10
Met Arg Thr Ser Thr Gln Ser Lys Asp Met Gly Lys Lys Gln Glu Tyr
1 5 10 15

Lys Leu Arg Asn Glu Glu Phe Leu His Asn Ile Ser Lys Lys Asp Ser
20 25 30

Ile Lys Thr Leu Pro His Gly Ile Phe Tyr Glu Ile Ile Lys Glu Gly
35 40 45

Ser Gly Glu Gly Thr Val Gln Pro Arg Ser Ile Val Ile Cys Asn Tyr
50 55 60

Arg Gly Ser Leu Ile Ser Gly Gln Val Phe Asp Asp Ser Trp Gln Lys
65 70 75 80

Pro Thr Pro Glu Ala Phe Arg Leu Asn Glu Leu Ile Thr Gly Leu Gln
85 90 95

Ile Ala Leu Cys Ala Met His Lys Gly Asp Ser Trp Arg Ile Tyr Ile
100 105 110

Pro Tyr Gln Glu Gly Tyr Gly Ser Lys Arg Asn Ala Asp Ile Pro Ala
115 120 125

Phe Ser Thr Leu Ile Phe Asp Ile Glu Leu Ile Asn Ile Ala
130 135 140

<210> 11
<211> 196
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 11
Met Ala Asp Asn Lys Ile Ala Lys Glu Ser Val Lys Arg Glu Val Ile
1 5 10 15

Ala Gly Glu Arg Leu Tyr Thr Leu Leu Val Tyr Ser Glu Asn Val Ala
20 25 30

Gly Val Leu Asn Gln Ile Ala Ala Val Phe Thr Arg Arg Gln Val Asn
35 40 45

Ile Glu Ser Leu Asn Val Ser Ala Ser Ser Ile Glu Gly Ile His Lys
50 55 60

Tyr Thr Ile Thr Ala Trp Ser Asp Ala Ala Thr Ile Glu Lys Ile Thr
65 70 75 80

Lys Gln Val Glu Lys Lys Ile Asp Val Ile Lys Ala Asp Tyr Tyr Glu
85 90 95

Asp Ser Asp Leu Phe Ile His Glu Val Gly Leu Tyr Lys Ile Ala Thr
100 105 110

Pro Ile Leu Leu Glu Asn Ala Glu Val Ser Arg Ala Ile Arg Lys Arg
115 120 125

Asn Ala Arg Met Met Glu Val Asn Pro Thr Tyr Ser Thr Val Leu Leu
130 135 140

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Ala Gly Met Thr Asp Glu Val Thr Ala Leu Tyr His Asp Leu Lys Asn
145 150 155 160

Phe Asp Cys Leu Leu Gln Tyr Ser Arg Ser Gly Arg Val Ala Val Thr
165 170 175

Arg Gly Phe Ser Glu Pro Val Ser Asp Phe Leu Lys Ser Glu Glu Glu
180 185 190

Ser Ser Val Leu
195

<210> 12
<211> 390
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 12
Met Lys Lys Lys Val Lys Ile Gly Leu Leu Pro Arg Val Ile Ile Ala
1 5 10 15

Ile Leu Leu Gly Ile Phe Phe Gly Tyr Phe Met Pro Thr Pro Leu Ala
20 25 30

Arg Val Phe Leu Thr Phe Asn Gly Ile Phe Ser Gln Phe Leu Gly Phe
35 40 45

Met Ile Pro Leu Ile Ile Ile Gly Leu Val Thr Pro Ala Ile Ala Asp
50 55 60

Ile Gly Lys Gly Ala Gly Lys Leu Leu Leu Val Thr Val Ile Ile Ala
65 70 75 80

Tyr Val Asp Thr Val Val Ala Gly Gly Leu Ala Tyr Gly Thr Gly Leu
85 90 95

Cys Leu Phe Pro Ser Met Ile Ala Ser Thr Gly Gly Ala Met Pro His
100 105 110

Ile Asp Lys Ala Thr Glu Leu Ala Pro Tyr Phe Ser Ile Asn Ile Pro
115 120 125

Ala Met Ala Asp Val Met Ser Gly Leu Val Phe Ser Phe Met Leu Gly
130 135 140

Leu Gly Ile Ala Tyr Gly Gly Leu Thr Ala Thr Lys Asn Ile Phe Asn
145 150 155 160

Glu Phe Lys Tyr Val Ile Glu Lys Val Ile Ala Lys Ala Ile Ile Pro
165 170 175

Leu Leu Pro Leu Tyr Ile Phe Gly Val Phe Leu Asn Met Ala His Asn
180 185 190

Gly Gln Ala Gln Gln Ile Leu Leu Val Phe Ser Gln Ile Ile Ile Val
195 200 205

Ile Leu Val Leu His Val Phe Ile Leu Val Tyr Gln Phe Cys Ile Ala
210 215 220

Gly Ala Ile Ile Arg Arg Asn Pro Phe Arg Leu Leu Trp Asn Met Met
225 230 235 240

Pro Ala Tyr Leu Thr Ala Leu Gly Thr Ser Ser Ser Ala Ala Thr Ile
245 250 255

Pro Val Thr Leu Glu Gln Thr Met Lys Asn Gly Val Gly Lys Glu Ile
260 265 270

Ala Gly Phe Val Val Pro Leu Cys Ala Thr Ile His Leu Ser Gly Ser
275 280 285

Ala Met Lys Ile Thr Ala Cys Ala Leu Thr Ile Cys Leu Leu Val Gly
290 295 300

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Leu Pro His Asp Pro Ala Leu Phe Ile Tyr Phe Ile Leu Met Leu Ser
 305 310 315 320

Ile Ile Met Val Ala Ala Pro Gly Val Pro Gly Gly Ala Ile Met Ala
 325 330 335

Ala Leu Ala Pro Leu Ala Ser Ile Leu Gly Phe Asn Ser Glu Ala Gln
 340 345 350

Ala Leu Met Ile Ala Leu Tyr Ile Ala Met Asp Ser Phe Gly Thr Ala
 355 360 365

Cys Asn Val Thr Gly Asp Gly Ala Ile Ala Leu Val Val Asn Lys Met
 370 375 380

Phe Gly Lys Lys Glu Arg
 385 390

<210> 13
 <211> 162
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 13
 Met Lys Lys Leu Leu Leu Val Cys Ala Ala Val Met Ser Leu Ser
 1 5 10 15

Ala Ser Ala Gln Ala Gly Asp Lys Ala Leu Gly Ala Gln Leu Val Phe
 20 25 30

Gly Ser Glu Thr Asn Ser Leu Gly Phe Gly Val Lys Gly Gln Tyr Tyr
 35 40 45

Phe Thr Asp His Ile Arg Gly Glu Gly Ser Phe Asp Tyr Phe Leu Lys
 50 55 60

Asn Lys Gly Ile Ser Met Trp Asp Ile Asn Ala Asn Val His Tyr Leu
 65 70 75 80

Phe Asp Val Ala Asp Lys Phe Lys Val Tyr Pro Leu Ala Gly Leu Gly
 85 90 95

Tyr Thr Asn Trp Ser Tyr Lys Tyr Glu Tyr Ala Gly Ala Pro Val Val
 100 105 110

Glu Gly Ser Asp Gly Arg Leu Ala Val Asn Leu Gly Gly Gly Val Glu
 115 120 125

Tyr Glu Leu Thr Lys Asn Leu Asn Val Asn Ala Glu Ala Lys Tyr Gln
 130 135 140

Ile Ile Ser Asn Tyr Asn Gln Leu Val Leu Gly Val Gly Val Ala Tyr
 145 150 155 160

Lys Phe

<210> 14
 <211> 84
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 14
 Met His Phe Tyr Cys Thr Lys Ser Ser Leu Asp Thr Met Ser Glu Arg
 1 5 10 15

Tyr Val Lys Arg Met Ile Ala Lys Leu Ala Ser Gln Gly Lys Thr Val
 20 25 30

Ile Ser Ile Ala His Arg Phe Ser Thr Ile Met Asp Ala Lys His Ile
 35 40 45

Ile Leu Leu Ala Lys Gly Lys Val Val Ala Glu Gly Thr His Gln Glu
 50 55 60

Leu Leu Lys Thr Ser Glu Asp Tyr Arg Lys Leu Trp Ser Asp Gln Asn
 65 70 75 80

Asp Glu Ile Asp

<210> 15
 <211> 254
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 15
 Met Lys Asn Val Tyr Phe Leu Ser Asp Ala His Leu Gly Ser Leu Ala
 1 5 10 15

Ile Ala His Arg Arg Thr Gln Glu Arg Arg Leu Val Arg Phe Leu Asp
 20 25 30

Ser Ile Lys His Lys Ala Ser Ala Val Tyr Leu Leu Gly Asp Met Phe
 35 40 45

Asp Phe Trp Asp Glu Tyr Lys Tyr Val Val Pro Lys Gly Phe Thr Arg
 50 55 60

Phe Leu Gly Lys Val Ser Glu Leu Thr Asp Met Gly Val Glu Val His
 65 70 75 80

Phe Phe Thr Gly Asn His Asp Leu Trp Thr Tyr Gly Tyr Leu Glu Glu
 85 90 95

Glu Cys Gly Val Ile Leu His Arg Lys Pro Val Thr Met Glu Ile Tyr
 100 105 110

Gly Lys Val Phe Tyr Leu Ala His Gly Asp Gly Leu Gly Asp Pro Asp
 115 120 125

Pro Met Phe Gln Phe Leu Arg Lys Val Phe His Asn Arg Val Cys Gln
 130 135 140

Arg Leu Leu Asn Phe Phe His Pro Trp Trp Gly Met Gln Leu Gly Leu
 145 150 155 160

Asn Trp Ala Lys Lys Ser Arg Leu Lys Arg Ala Asp Gly Lys Glu Met
 165 170 175

Pro Tyr Leu Gly Glu Asp Lys Glu Tyr Leu Val Arg Tyr Thr Lys Asp
 180 185 190

Tyr Met Arg Ser His Lys Asp Ile Asp Tyr Tyr Ile Tyr Gly His Arg
 195 200 205

His Ile Glu Leu Asp Leu Thr Leu Ser Gly Lys Val Arg Met Leu Ile
 210 215 220

Leu Gly Asp Trp Ile Trp Gln Phe Thr Tyr Ala Val Phe Asp Gly Glu
 225 230 235 240

His Met Phe Leu Glu Glu Tyr Ile Glu Gly Glu Ser Lys Pro
 245 250

<210> 16
 <211> 532
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 16
 Met Asn Ser Lys Gln Asn Asp Asn Tyr Asp Val Ile Ile Ile Gly Gly
 1 5 10 15

Gly Ile Thr Gly Ala Gly Thr Ala Arg Asp Cys Ala Leu Arg Gly Leu
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25

30

Lys Val Leu Leu Val Glu Lys Phe Asp Phe Thr Asn Gly Ala Thr Gly
 35 40 45
 Arg Asn His Gly Leu Leu His Ser Gly Ala Arg Tyr Ala Val Thr Asp
 50 55 60
 Pro Glu Ser Ala Thr Glu Cys Ile Lys Glu Asn Met Val Leu Arg Arg
 65 70 75 80
 Ile Ala Lys His Cys Ile Glu Glu Thr Asp Gly Leu Phe Ile Thr Leu
 85 90 95
 Pro Glu Asp Asp Ile Asn Tyr Gln Lys Thr Phe Val Glu Ala Cys Ala
 100 105 110
 Arg Ala Gly Ile Ser Ala Asn Ile Ile Ser Pro Glu Glu Ala Leu Arg
 115 120 125
 Leu Asp Pro Ser Val Asn Pro Asp Leu Leu Gly Ala Val Arg Val Pro
 130 135 140
 Asp Ala Ser Val Asp Pro Phe His Leu Thr Thr Ala Asn Val Leu Asp
 145 150 155 160
 Ala Arg Gln His Gly Ala Asp Val Leu Thr Tyr His Glu Val Val Ala
 165 170 175
 Ile Leu Thr Ser Asn Gly Arg Val Glu Gly Val Arg Leu Arg Asn Asn
 180 185 190
 His Thr Gly Glu Glu Ile Glu Lys His Ala Val Leu Val Ile Asn Ala
 195 200 205
 Ala Gly Ile Trp Gly His Asp Ile Ala Lys Met Ala Asp Ile Lys Ile
 210 215 220
 Asn Met Phe Pro Ala Lys Gly Thr Leu Leu Val Phe Gly His Arg Val
 225 230 235 240
 Asn Lys Met Val Ile Asn Arg Cys Arg Lys Pro Ala Asn Ala Asp Ile
 245 250 255
 Leu Val Pro Asp Asp Ala Val Cys Val Ile Gly Thr Thr Ser Asp Arg
 260 265 270
 Val Pro Tyr Asp Thr Val Asp Asn Leu Lys Ile Thr Ser Glu Glu Val
 275 280 285
 Asp Thr Leu Ile Arg Glu Gly Glu Lys Leu Ala Pro Ser Leu Ala Thr
 290 295 300
 Thr Arg Ile Leu Arg Ala Tyr Ala Gly Val Arg Pro Leu Val Ala Ala
 305 310 315 320
 Asp Asn Asp Pro Thr Gly Arg Ser Ile Ser Arg Gly Ile Val Cys Leu
 325 330 335
 Asp His Glu Lys Arg Asp Gly Leu Thr Gly Met Ile Thr Ile Thr Gly
 340 345 350
 Gly Lys Met Met Thr Tyr Arg Leu Met Ala Glu Gln Ala Thr Asp Leu
 355 360 365
 Ala Cys Lys Lys Leu Gly Ile Asn Lys Thr Cys Glu Thr Ala Thr Thr
 370 375 380
 Pro Leu Pro Gly Thr Ala Gly Lys Asp Ser Asp Asn Pro His His Thr
 385 390 395 400
 Tyr Ser Thr Ala His Lys Ala Ala Lys Gly Arg Gln Gly Asn Arg Val
 405 410 415
 Lys Glu Ile Asp Glu Arg Thr Glu Asp Asp Arg Ala Leu Ile Cys Glu
 420 425 430

Cys Glu Glu Val Ser Val Gly Glu Ala Lys Tyr Ala Ile Glu Glu Leu
 435 440 445

His Val His Asp Leu Leu Asn Leu Arg Arg Arg Thr Arg Val Gly Met
 450 455 460

Gly Thr Cys Gln Gly Glu Leu Cys Ala Cys Arg Ala Ala Gly Val Met
 465 470 475 480

Cys Glu Asn Gly Val Lys Val Asp Lys Ala Met Thr Asp Leu Thr Lys
 485 490 495

Phe Ile Asn Glu Arg Trp Lys Gly Met Arg Pro Val Ala Trp Gly Ser
 500 505 510

Thr Leu Asp Glu Ala Gln Leu Thr Thr Ile Ile Tyr Gln Gly Leu Cys
 515 520 525

Gly Leu Gly Ile
 530

<210> 17
 <211> 416
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 17
 Met Arg Tyr Asp Thr Ile Ile Ile Gly Gly Gly Leu Ser Gly Leu Thr
 1 5 10 15

Ala Gly Ile Thr Leu Ala Lys Ala Gly Gln Lys Val Cys Ile Val Ser
 20 25 30

Ala Gly Gln Ser Ser Leu His Phe His Ser Gly Ser Phe Asp Leu Leu
 35 40 45

Gly Tyr Asp Ala Asp Gly Glu Val Val Thr His Pro Leu Gln Ala Ile
 50 55 60

Ala Asp Leu Lys Ala Glu His Pro Tyr Ser Lys Ile Gly Ile Ser Asn
 65 70 75 80

Ile Glu His Leu Ala Ser Gln Ala Lys Thr Leu Leu Cys Glu Ala Gly
 85 90 95

Ile Ser Val Met Gly Asn Tyr Glu Gln Asn His Tyr Arg Val Thr Pro
 100 105 110

Leu Gly Thr Leu Lys Pro Ala Trp Leu Thr Thr Glu Gly Tyr Ala Met
 115 120 125

Ile Asp Asp Pro Glu Ile Leu Pro Trp Lys Lys Val Glu Leu Leu Asn
 130 135 140

Ile Gln Gly Phe Met Asp Phe Pro Thr Gln Phe Ile Ala Glu Asn Leu
 145 150 155 160

Arg Met Met Gly Val Glu Cys Gln Ile Lys Thr Phe Thr Thr Asp Glu
 165 170 175

Leu Ser Thr Ala Arg Gln Ser Pro Thr Glu Met Arg Ala Thr Asn Ile
 180 185 190

Ala Lys Val Leu Ala Asn Lys Asp Ala Leu Ser Lys Val Ser Glu Arg
 195 200 205

Ile Asn Ala Ile Ser Gly Asp Pro Asp Ala Leu Leu Leu Pro Ala Val
 210 215 220

Leu Gly Phe Ser Asn Ala Glu Ser Leu Asp Glu Met Lys Gln Trp Ile
 225 230 235 240

Lys Lys Pro Val Gln Tyr Ile Ala Thr Leu Pro Pro Ser Val Ser Gly
 245 250 255

Val Arg Thr Thr Ile Leu Leu Lys Arg Leu Phe Ala Gln Ala Gly Gly
 260 265 270

Thr Leu Leu Ile Gly Asp Ser Ala Thr Thr Gly Gln Phe Ser Gly Asn
 275 280 285

His Leu Val Ser Ile Thr Thr Asp His Leu Pro Asp Glu Lys Leu Tyr
 290 295 300

Ala Asp His Phe Ile Leu Ala Ser Gly Ser Phe Met Ser His Gly Ile
 305 310 315 320

Arg Ser Asn Tyr Ala Gly Val Tyr Glu Pro Val Phe Lys Leu Asp Val
 325 330 335

Asp Ala Ala Glu Lys Arg Asp Asp Trp Ser Val Thr Asn Ala Phe Glu
 340 345 350

Ala Gln Pro Tyr Met Glu Phe Gly Val His Thr Asp Lys Asp Phe His
 355 360 365

Ala Thr Lys Asp Gly Lys Asn Ile Glu Asn Leu Tyr Ala Ile Gly Ser
 370 375 380

Val Leu Ser Gly His Asn Ser Ile Lys His Ala Asp Gly Thr Gly Val
 385 390 395 400

Ser Leu Leu Thr Ala Leu Tyr Val Ala Lys Lys Ile Thr Gly Lys Gly
 405 410 415

<210> 18
 <211> 416
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 18
 Met Ala Glu Gly Ile Gln Leu Lys Asn Ile Ser Gly Asn Asn Leu Glu
 1 5 10 15

Gln Cys Leu Lys Cys Ser Ile Cys Thr Ala Tyr Cys Pro Val Ser Ala
 20 25 30

Val Glu Pro Lys Tyr Pro Gly Pro Lys Gln Ser Gly Pro Asp Gln Glu
 35 40 45

Arg Tyr Arg Leu Lys Asp Ser Lys Phe Phe Asp Glu Ala Leu Lys Met
 50 55 60

Cys Leu Asn Cys Lys Arg Cys Glu Val Ala Cys Pro Ser Gly Val Arg
 65 70 75 80

Ile Ala Asp Ile Ile Gln Ala Ser Arg Ile Thr Tyr Ser Thr His Arg
 85 90 95

Pro Ile Pro Arg Asp Ile Met Leu Ala Asn Thr Asp Phe Val Gly Thr
 100 105 110

Met Ala Asn Met Val Ala Pro Ile Val Asn Ala Thr Leu Gly Leu Lys
 115 120 125

Pro Val Lys Ala Val Leu His Gly Val Met Gly Ile Asp Lys His Arg
 130 135 140

Thr Phe Pro Ala Tyr Ser Ser Gln Lys Phe Glu Thr Trp Tyr Lys Arg
 145 150 155 160

Met Ala Ala Lys Lys Gln Asp Ser Tyr Ser Lys His Val Ser Tyr Phe
 165 170 175

His Gly Cys Tyr Val Asn Tyr Asn Phe Pro Gln Leu Gly Lys Asp Leu
 180 185 190

Val Lys Ile Met Asn Ala Val Gly Tyr Gly Val His Leu Leu Glu Lys
 195 200 205

Glu Lys Cys Cys Gly Val Ala Leu Ile Ala Asn Gly Leu Ser Gly Gln
 210 215 220
 Ala Arg Arg Gln Gly Lys Val Asn Ile Arg Ser Ile Arg Lys Ala Ala
 225 230 235 240
 Glu Gln Asn Arg Ile Val Leu Thr Thr Ser Ser Thr Cys Thr Phe Thr
 245 250 255
 Met Arg Asp Glu Tyr Glu His Leu Leu Asp Ile Lys Thr Asp Asp Val
 260 265 270
 Arg Glu Asn Ile Thr Leu Ala Thr Arg Phe Leu Tyr Arg Leu Ile Glu
 275 280 285
 Lys Gly Asp Ile Lys Leu Ala Phe Arg Lys Asp Phe Lys Met Arg Thr
 290 295 300
 Ala Tyr His Ser Ala Cys His Met Glu Lys Met Gly Trp Ile Ile Tyr
 305 310 315 320
 Ser Thr Glu Leu Leu Lys Met Ile Pro Gly Leu Glu Leu Ile Met Leu
 325 330 335
 Asp Ser Gln Cys Cys Gly Ile Ala Gly Thr Tyr Gly Phe Lys Lys Glu
 340 345 350
 Asn Tyr Gln Arg Ser Gln Glu Ile Gly Glu Gly Leu Phe Lys Gln Ile
 355 360 365
 Lys Glu Leu Asn Pro Asp Cys Val Ser Thr Asp Cys Glu Thr Cys Lys
 370 375 380
 Trp Gln Ile Glu Met Ser Thr Gly Tyr Glu Val Lys Asn Pro Ile Ser
 385 390 395 400
 Ile Leu Ala Asp Ala Leu Asp Val Glu Glu Thr Ile Lys Leu Asn Gln
 405 410 415
 <210> 19
 <211> 270
 <212> PRT
 <213> Desconocido
 <220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"
 <400> 19
 Met Met Ile Lys Asn Ile Val Leu Ser Ile Pro Ile Ser Leu Ile Ile
 1 5 10 15
 Tyr Leu Asn His Leu Ile Met Glu Tyr Ser Met Thr Thr Gln Phe Leu
 20 25 30
 Met Glu Leu Ile Gly Thr Leu Ile Leu Val Leu Phe Gly Asp Gly Val
 35 40 45
 Cys Ala Cys Val Thr Leu Asn Lys Ser Lys Gly Gln Lys Ala Gly Trp
 50 55 60
 Val Val Ile Thr Ile Ala Trp Gly Leu Ala Val Cys Met Gly Val Leu
 65 70 75 80
 Val Ala Gly Pro Tyr Thr Gly Ala His Leu Asn Pro Ala Val Ser Ile
 85 90 95
 Gly Leu Ala Val Ala Gly Met Phe Pro Trp Ser Ser Val Pro Tyr Tyr
 100 105 110
 Ile Val Ala Gln Met Ile Gly Gly Phe Leu Gly Gly Leu Leu Val Trp
 115 120 125
 Phe Phe Tyr Lys Asp His Tyr Asp Ala Thr Asp Asp Glu Ala Ala Lys
 130 135 140
 Leu Gly Thr Phe Cys Thr Ser Pro Ala Ile Arg Asn Tyr Lys Met Asn
 145 150 155 160

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Phe Leu Ser Glu Val Ile Ala Thr Leu Val Leu Val Phe Ile Ile Ile
165 170 175

Ser Phe Ser Val Asp Gly Asn Thr Gly Asp Ala Glu His Phe Lys Phe
180 185 190

Gly Leu Ala Ala Leu Gly Pro Ile Pro Val Thr Leu Leu Ile Ile Ala
195 200 205

Leu Gly Met Ser Leu Gly Gly Thr Thr Gly Tyr Ala Met Asn Pro Ala
210 215 220

Arg Asp Leu Ser Pro Arg Leu Ala His Ala Val Cys Met Lys Gly Asp
225 230 235 240

Asn Asp Trp Ser Tyr Ser Trp Ile Pro Val Leu Gly Pro Ile Ile Gly
245 250 255

Ala Ile Ile Ala Gly Phe Cys Gly Ala Ala Leu Leu Leu Val
260 265 270

<210> 20
<211> 398
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 20
Met Ser Glu Lys Ile Ile Pro Ser Asn Glu Pro Ala Gln Ala Ala Ser
1 5 10 15

Glu Pro Ile Lys Ala Ser Tyr Thr Glu Tyr Thr Val Ile Pro Ser Gln
20 25 30

Gly Tyr Cys Gln Phe Val Lys Cys Lys Lys Gly Asp Gln Pro Val Val
35 40 45

Leu Lys Gly Leu Lys Glu Ala Tyr Arg Glu Arg Val Leu Leu Arg Asn
50 55 60

Ala Leu Lys Arg Glu Phe Lys Gln Cys Gln Arg Leu Asn His Pro Gly
65 70 75 80

Ile Val Arg Tyr Gln Gly Leu Val Asp Val Glu Gly Tyr Gly Leu Cys
85 90 95

Ile Glu Glu Glu Tyr Val Asp Gly Arg Thr Leu Gln Ala Tyr Leu Lys
100 105 110

Glu Ser His Thr Asp Asp Glu Lys Ile Thr Ile Val Asn Gln Ile Ala
115 120 125

Asp Ala Leu Arg Tyr Ala His Gln Gln Gly Val Ala His Arg Asn Leu
130 135 140

Lys Pro Ser Asn Ile Leu Ile Thr Lys Gln Gly Asp His Val Lys Leu
145 150 155 160

Ile Asp Phe Asn Val Leu Ser Leu Asp Asp Val Lys Pro Thr Ala Asp
165 170 175

Thr Thr Arg Phe Met Ala Pro Glu Leu Lys Asp Glu Thr Met Thr Ala
180 185 190

Asp Gly Thr Ala Asp Ile Tyr Ser Leu Gly Thr Ile Met Lys Val Met
195 200 205

Gly Leu Thr Leu Ala Tyr Ser Glu Val Ile Lys Arg Cys Cys Ala Phe
210 215 220

Lys Arg Ser Asp Arg Tyr Ser Asp Ile Asp Glu Phe Leu Ala Asp Phe
225 230 235 240

Asn His Asp Gly Ser Ser Phe Ser Met Pro Lys Ile Gly Lys Gly Thr
245 250 255

Val Val Ile Gly Phe Ile Ala Val Val Val Ile Ala Leu Ala Ala Leu
 260 265 270

Ala Tyr Asn Tyr Gly Gly Ala Leu Val Asp Gln Val Gly Lys Ile Asp
 275 280 285

Val Thr Ser Ile Phe Lys Ser Asp Ala Glu Thr Ala Pro Glu Asp Ser
 290 295 300

Ala Met Val Lys Ser Val Glu Gln Asn Asn Asn Asp Ser Val Ala Asp
 305 310 315 320

Glu Ala Pro Ala Thr Gly Lys Leu Ala Phe Met Asn Thr Met Lys Pro
 325 330 335

Ala Leu Tyr Lys Asp Leu Asp Arg Leu Phe Ala Lys His Ser Asp Asp
 340 345 350

Arg Ala Lys Leu Asn Arg Ala Ile Lys Val Tyr Tyr Arg Gly Leu Ile
 355 360 365

Gln Ala Asn Asp Thr Leu Asp Asn Glu Gln Arg Ala Glu Leu Asp Arg
 370 375 380

Val Phe Gly Asn Tyr Val Lys Gln Lys Lys Ala Ala Leu Lys
 385 390 395

<210> 21
 <211> 62
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 21
 Met Leu Val Ala Gln Leu Phe Val Gly Val Leu Gln Ala Gln Lys Pro
 1 5 10 15

Val Gln Asn Arg Arg Gln Ala Val Gly Gln Ser Met Glu Arg Gln Gly
 20 25 30

Leu Val Asn Val Lys Ala Val Val Pro Ser Ile Lys Val Ala Leu Met
 35 40 45

Tyr Ala Arg Thr Asp Asn Phe Cys His Arg Met Ala Leu Ser
 50 55 60

<210> 22
 <211> 440
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 22
 Met Ile Thr Gly Leu Val Ile Ile Gln Leu Leu Ile Val Leu Ala Leu
 1 5 10 15

Ile Phe Ile Gly Ala Arg Val Gly Gly Ile Gly Leu Gly Ile Tyr Gly
 20 25 30

Met Ile Gly Val Phe Ile Leu Val Tyr Gly Phe Gly Leu Ala Pro Gly
 35 40 45

Ser Ala Pro Ile Asp Val Met Met Ile Ile Val Ala Val Ile Thr Ala
 50 55 60

Ala Ser Ala Leu Gln Ala Ser Gly Gly Leu Glu Tyr Leu Val Gly Val
 65 70 75 80

Ala Ala Lys Phe Leu Gln Lys His Pro Asp His Ile Thr Tyr Phe Gly
 85 90 95

Pro Ile Thr Cys Trp Leu Phe Cys Val Val Ala Gly Thr Ala His Thr
 100 105 110

Ser Tyr Ser Leu Met Pro Ile Ile Ala Glu Ile Ala Gln Thr Asn Lys
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120

125

Ile Arg Pro Glu Arg Pro Leu Ser Leu Ser Val Ile Ala Ala Ser Leu
130 135 140

Gly Ile Thr Cys Ser Pro Val Ser Ala Ala Thr Ala Ala Leu Ile Ser
145 150 155 160

Gln Asp Leu Leu Gly Ala Lys Gly Ile Glu Leu Gly Thr Val Leu Met
165 170 175

Ile Cys Ile Pro Thr Ala Phe Ile Ser Ile Leu Val Ala Ala Phe Val
180 185 190

Glu Asn His Ile Gly Lys Glu Leu Glu Asp Asp Pro Glu Tyr Lys Arg
195 200 205

Arg Val Ala Ala Gly Leu Ile Asn Pro Glu Ala Ala Cys Glu Glu Val
210 215 220

Gln Lys Ala Glu Asn Glu His Asp Pro Ser Ala Lys His Ala Val Trp
225 230 235 240

Ala Phe Leu Phe Gly Val Ala Leu Val Ile Leu Phe Gly Phe Leu Pro
245 250 255

Gln Leu Arg Pro Glu Gly Val Ser Met Ser Gln Thr Ile Glu Met Ile
260 265 270

Met Met Ser Asp Ala Ala Leu Ile Leu Leu Val Gly Lys Gly Lys Val
275 280 285

Gly Asp Ala Val Asn Gly Asn Ile Phe Lys Ala Gly Met Asn Ala Val
290 295 300

Val Ala Ile Phe Gly Ile Ala Trp Met Gly Asn Thr Phe Tyr Val Gly
305 310 315 320

Asn Glu Lys Ile Leu Asp Ala Ala Leu Ser Ser Met Ile Ser Ser Thr
325 330 335

Pro Ile Leu Phe Ala Val Ala Leu Phe Leu Leu Ser Ile Met Leu Phe
340 345 350

Ser Gln Ala Ala Thr Val Thr Thr Leu Tyr Pro Val Gly Ile Ala Leu
355 360 365

Gly Ile Asn Pro Leu Leu Leu Ile Ala Met Phe Pro Ala Cys Asn Gly
370 375 380

Tyr Phe Phe Leu Pro Asn Tyr Pro Thr Glu Val Ala Ala Ile Asp Phe
385 390 395 400

Asp Arg Thr Gly Thr Thr Arg Val Gly Lys Tyr Val Ile Asn His Ser
405 410 415

Phe Gln Ile Pro Gly Phe Ile Thr Thr Ile Val Ser Ile Leu Leu Gly
420 425 430

Val Leu Met Val Gln Phe Phe Arg
435 440

<210> 23
<211> 351
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 23
Met Arg Ile Leu Lys Ile Thr Phe Val Thr Val Leu Ala Leu Val Met
1 5 10 15

Ser Thr Val Val Phe Ala Gln Lys Pro Lys Ile Arg Ile Ile Ala Thr
20 25 30

Gly Gly Thr Ile Ala Gly Val Ser Ala Ser Ala Thr Ser Ser Ala Tyr

35

40

45

Gly Ala Gly Gln Val Gly Val Gln Thr Leu Ile Asp Ala Val Pro Gln
50 55 60

Ile Lys Asp Ile Ala Asp Val Ser Gly Glu Gln Leu Val Asn Ile Gly
65 70 75 80

Ser Gln Asp Met Asn Asp Glu Val Trp Leu Lys Leu Ala Lys Arg Ile
85 90 95

Asn Asp Leu Leu Asn Lys Glu Gly Tyr Asp Gly Val Leu Ile Thr His
100 105 110

Gly Thr Asp Thr Met Glu Glu Thr Ala Tyr Phe Leu Ser Leu Thr Val
115 120 125

His Thr Asp Lys Pro Val Val Met Val Gly Ser Met Arg Pro Ser Thr
130 135 140

Ala Ile Ser Ala Asp Gly Pro Ala Asn Leu Tyr Asn Gly Ile Cys Thr
145 150 155 160

Leu Val Asp Pro Ser Ser Lys Gly His Gly Val Met Val Cys Met Asn
165 170 175

Asn Glu Leu Phe Glu Ala Lys Ser Val Ile Lys Thr His Thr Thr Asp
180 185 190

Val Ser Thr Phe Lys Gly Gly Leu Tyr Gly Glu Met Gly Tyr Val Tyr
195 200 205

Asn Gly Lys Pro Tyr Phe Leu His Lys Pro Val Ala Lys Gln Gly Leu
210 215 220

Thr Ser Glu Phe Asn Val Asp Asn Leu Thr Ser Leu Pro Lys Val Gly
225 230 235 240

Ile Val Tyr Gly Tyr Ala Asn Cys Ser Pro Leu Pro Ile Gln Ala Phe
245 250 255

Val Asn Ala Lys Phe Asp Gly Ile Val Leu Ala Gly Val Gly Asp Gly
260 265 270

Asn Phe Tyr Lys Asp Val Phe Asp Val Ala Leu Lys Ala Gln Asn Ser
275 280 285

Gly Ile Gln Ile Val Arg Ser Ser Arg Val Pro Phe Gly Pro Thr Asn
290 295 300

Leu Asn Gly Glu Val Asp Asp Ala Lys Tyr His Phe Val Ala Ser Leu
305 310 315 320

Asn Leu Asn Pro Gln Lys Ala Arg Val Leu Leu Met Leu Ala Leu Thr
325 330 335

Lys Thr Lys Asp Trp Gln Lys Ile Gln Gln Tyr Phe Asn Glu Tyr
340 345 350

<210> 24
<211> 574
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 24
Met Ala Leu Ala Cys Ala Met Thr Met Ser Ala Ser Ala Gln Met Gly
1 5 10 15

Thr Asn Pro Lys Trp Leu Gly Asp Ala Ile Phe Tyr Gln Ile Tyr Pro
20 25 30

Ser Ser Tyr Met Asp Thr Asp Gly Asn Gly Ile Gly Asp Leu Pro Gly
35 40 45

Ile Thr Gln Lys Leu Asp Tyr Ile Lys Ser Leu Gly Val Asn Ala Ile
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		Asp Gly Gly Tyr Asp 80
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		Phe Gly Thr Asn Thr Asp 95
Met	Val Asn Leu 100	Val Lys Glu Ala His 105
		Lys Arg Gly Ile Lys Val Cys 110
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		Ser Thr Lys Cys Pro Trp Phe Lys 125
Glu	Ser 130	Ala Asn Gly Asp Arg 135
		Asn Ser Arg Tyr Ser Asp Tyr Phe Ile 140
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		Glu Ile Ala Glu Arg 160
His	Lys Glu Ala Asn 165	Pro Ala Ser Ser Thr 170
		His Gly Arg Tyr Val Glu 175
Met	Asn Ala Lys 180	Arg Gly Lys Tyr Tyr 185
		Glu Lys Asn Phe Phe Glu Cys 190
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		Ala Lys Pro Asp Pro Asn Gln Pro 205
Trp	Glu 210	Gln Pro Val Thr Ala 215
		Pro Gly Pro Gln Ala Val Arg Arg Glu 220
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		Gly Val Asp Gly Phe 240
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		Asn Asp Trp Gly Lys Lys 255
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		Arg Glu Trp Lys Asp Lys Asn 270
Tyr	Pro Glu 275	Cys Val Leu Ile Ser Glu Trp Ser Asp Pro Ala Val Ala 280
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		Pro Trp Gly Lys Pro 320
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		Lys Phe Cys Tyr Phe Asp 335
Lys	Ala Gly Lys 340	Gly Glu Val Lys Glu Phe Val Asp Asn Phe 350
		Ser Glu
Ala	Tyr Asn Ala Thr Lys Asn 360	Leu Gly Tyr Ile Ala Ile Pro Ser Ala 365
Asn	His 370	Asp Tyr Gln Arg Pro 375
		Asn Ile Gly Thr Arg Asn Thr Pro Glu 380
Gln	Leu Lys Val Ala Met 390	Thr Phe Phe Leu Thr 395
		Met Pro Gly Val Pro 400
Phe	Ile Tyr Tyr Gly 405	Asp Glu Ile Gly Met 410
		Lys Tyr Gln Met Asp Leu 415
Pro	Ser Lys Glu Gly Ser Asn Glu Arg Ala Gly Thr Arg Thr 420	Pro Met 430
Gln	Trp Thr 435	Ser Gly Pro Thr Ala Gly Phe Ser Thr Cys Asn Pro Ser 440
Gln	Leu Tyr Phe Pro Val Asp 455	Thr Glu Lys Gly Lys 460
		Leu Thr Val Glu

Ala Gln Gln Asn Asp Pro Arg Ser Leu Leu Asn Tyr Thr Arg Glu Leu
465 470 475 480

Thr Arg Leu Arg His Ser Gln Pro Ala Leu Arg Gly Asn Gly Glu Trp
485 490 495

Ile Leu Val Ser Lys Glu Ser Gln Pro Tyr Pro Met Val Tyr Lys Arg
500 505 510

Thr Ser Gly Gly Glu Thr Val Val Val Ala Ile Asn Pro Ser Asp Lys
515 520 525

Lys Val Ser Ala Asn Ile Ala His Leu Gly Lys Ala Lys Ser Leu Ile
530 535 540

Met Thr Gly Lys Ala Ser Tyr Lys Thr Gly Lys Thr Glu Asp Ala Val
545 550 555 560

Glu Leu Asn Gly Val Ser Ala Ala Val Phe Lys Ile Ala Glu
565 570

<210> 25
<211> 244
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 25
Met Asn Ile Ala Val Ile Phe Ala Gly Gly Ser Gly Leu Arg Met His
1 5 10 15

Thr Lys Ser Arg Pro Lys Gln Phe Leu Asp Leu Asn Gly Lys Pro Ile
20 25 30

Ile Ile Tyr Thr Leu Glu Leu Phe Asp Asn His Pro Gly Ile Asp Ala
35 40 45

Ile Val Val Ala Cys Ile Glu Ser Trp Ile Pro Phe Leu Glu Lys Gln
50 55 60

Leu Arg Lys Phe Glu Ile Asn Lys Val Val Lys Ile Val Pro Gly Gly
65 70 75 80

Glu Ser Gly Gln Ala Ser Ile Tyr Asn Gly Leu Cys Ala Ala Glu Ala
85 90 95

Tyr Ile Lys Ser Lys Asn Val Ala Ser Glu Asp Thr Thr Val Leu Ile
100 105 110

His Asp Gly Val Arg Pro Leu Ile Thr Glu Glu Thr Ile Thr Asp Asn
115 120 125

Ile Asn Lys Val Ala Glu Val Gly Ser Cys Ile Thr Cys Ile Pro Ala
130 135 140

Thr Glu Thr Leu Val Val Lys Gln His Asp Gly Ser Leu Glu Ile Pro
145 150 155 160

Ser Arg Ala Asp Ser Leu Ile Ala Arg Ala Pro Gln Ser Phe Leu Leu
165 170 175

Ser Asp Ile Leu Thr Ala His Arg Arg Ala Ile Asp Glu Lys Lys Asn
180 185 190

Asp Phe Ile Asp Ser Cys Thr Met Met Ser His Tyr Gly Tyr Arg Leu
195 200 205

Gly Thr Ile Ile Gly Pro Met Glu Asn Ile Lys Ile Thr Thr Pro Thr
210 215 220

Asp Phe Phe Val Leu Arg Ala Met Val Lys Val His Glu Asp Gln Gln
225 230 235 240

Ile Phe Gly Leu

<210> 26
 <211> 327
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 26
 Met Thr Glu Lys Lys Ser Val Ser Ile Val Leu Cys Thr Tyr Asn Gly
 1 5 10 15

Thr Lys Tyr Leu Gln Glu Gln Leu Asp Ser Ile Leu Ala Gln Thr Tyr
 20 25 30

Pro Leu His Glu Ile Ile Ile Gln Asp Asp Gly Ser Thr Asp Asn Thr
 35 40 45

Trp Gln Ile Leu Glu Lys Tyr Glu Glu Lys Tyr Pro Leu Ile His Ile
 50 55 60

Tyr His Asn Glu Gly Thr His Gly Val Asn Ala Asn Phe Leu Ser Ala
 65 70 75 80

Met His Arg Thr Thr Gly Asp Phe Ile Ala Ile Ala Asp Gln Asp Asp
 85 90 95

Ile Trp Glu Thr Asp Lys Ile Ala Asn Gln Met Thr Thr Ile Gly Asn
 100 105 110

Lys Leu Leu Cys Ser Gly Leu Thr Arg Pro Phe Ser Ser Asp Gly Ser
 115 120 125

Phe Ala Tyr Phe Asp Asn Arg Pro Arg Asn Val Ser Ile Phe Arg Met
 130 135 140

Met Phe Leu Gly Leu Pro Gly His Thr Met Leu Phe Arg Arg Glu Leu
 145 150 155 160

Leu Arg Met Met Pro Pro Val Thr His Ser Phe Phe Asn Val Ser Leu
 165 170 175

Tyr Asp Ala Ala Leu Ser Ile Leu Ala Ala Ser His Asp Ser Ile Ala
 180 185 190

Phe Cys Asn Lys Val Leu Val Asn Phe Arg Arg His Ala Asp Ala Thr
 195 200 205

Thr Tyr Asn Asp Tyr Ser Arg Ser Leu Pro Ser Trp Gln Asn Gly Leu
 210 215 220

Tyr Glu Leu Leu Trp Gly Leu Arg His Tyr His Gln Ala Arg Ser Ile
 225 230 235 240

Ala Leu Pro Ile Tyr Arg Gly Lys Leu Ala Leu Met Glu Gly Ile Thr
 245 250 255

Thr Asn Tyr His Asp Phe Ile Glu Ala Lys Ala Ile Met Arg Leu Glu
 260 265 270

Thr Gln Lys Gly Leu Trp Ala Phe Leu Arg Leu Gln Tyr Leu Leu Thr
 275 280 285

Lys Asn His Gln Arg Leu Phe Gln Thr Ser Gly Gly Ser Phe Ile Lys
 290 295 300

Met Ile Arg Ala Trp Leu Tyr Pro Val Met Gln Leu Tyr Met Tyr His
 305 310 315 320

His Ala Leu Arg Arg Cys Lys
 325

<210> 27
 <211> 437
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:"

Secuencia de Prevotella"

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<400> 27

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

Ala Pro Gln Gly Ala Lys Asn Glu Ala Leu Glu Val Ile Cys Ala Thr
20 25 30

Leu Leu Thr Thr Glu Glu Val Ile Ile Arg Asn Ile Pro Asn Ile Leu
35 40 45

Asp Val Asn Asn Leu Ile Lys Leu Leu Gln Asp Ile Gly Val Lys Val
50 55 60

Lys Lys Leu Gly Ala Asn Asp Phe Ser Phe Gln Ala Asp Glu Val Lys
65 70 75 80

Leu Asp Tyr Leu Glu Ser Ile Asp Phe Val Lys Lys Cys Ser Ser Leu
85 90 95

Arg Gly Ser Val Leu Met Ile Gly Pro Leu Leu Gly Arg Phe Gly Lys
100 105 110

Ala Thr Ile Ala Lys Pro Gly Gly Asp Lys Ile Gly Arg Arg Arg Leu
115 120 125

Asp Thr His Phe Leu Gly Phe Lys Asn Leu Gly Ala Arg Phe Val Arg
130 135 140

Ile Glu Asp Arg Asp Val Tyr Glu Ile Gln Ala Asp Lys Leu Val Gly
145 150 155 160

Asp Tyr Met Leu Leu Asp Glu Ala Ser Val Thr Gly Thr Ala Asn Ile
165 170 175

Ile Met Ser Ala Val Met Ala Glu Gly Thr Thr Thr Ile Tyr Asn Ala
180 185 190

Ala Cys Glu Pro Tyr Ile Gln Gln Leu Cys His Leu Leu Asn Ala Met
195 200 205

Gly Ala Lys Ile Thr Gly Ile Ala Ser Asn Leu Ile Thr Ile Glu Gly
210 215 220

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

Glu Val Gly Ser Phe Ile Gly Met Ala Ala Met Val Gly Asp Gly Val
245 250 255

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

Phe Arg Arg Leu Gly Val Gln Ile Ile Glu Asp Glu Asp Asp Leu Ile
275 280 285

Ile Pro Arg Gln Asp His Tyr Val Ile Asp Ser Phe Ile Asp Gly Thr
290 295 300

Ile Met Thr Ile Ser Asp Ala Pro Trp Pro Gly Leu Thr Pro Asp Leu
305 310 315 320

Ile Ser Val Leu Leu Val Val Ala Thr Gln Ala Gln Gly Ser Val Leu
325 330 335

Phe His Gln Lys Met Phe Glu Ser Arg Leu Phe Phe Val Asp Lys Leu
340 345 350

Ile Asp Met Gly Ala Gln Ile Ile Leu Cys Asp Pro His Arg Ala Val
355 360 365

Val Val Gly His Asp His Ala Lys Lys Leu Arg Ala Gly Arg Met Ser
370 375 380

Ser Pro Asp Ile Arg Ala Gly Ile Ala Leu Leu Ile Ala Ala Leu Thr
385 390 395 400

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Ala Glu Gly Thr Ser Arg Ile Asp Asn Ile Ala Gln Ile Asp Arg Gly
405 410 415

Tyr Glu Asn Ile Glu Gly Arg Leu Asn Ala Leu Gly Ala Lys Val Gln
420 425 430

Arg Val Glu Ile Cys
435

<210> 28
<211> 772
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 28
Met Glu Arg Ser Gly Asn Phe Tyr Lys Ala Ile Arg Leu Gly Tyr Ile
1 5 10 15

Leu Ile Ser Ile Leu Ile Gly Cys Met Ala Tyr Asn Ser Leu Tyr Glu
20 25 30

Trp Gln Glu Ile Glu Ala Leu Glu Leu Gly Asn Lys Lys Ile Asp Glu
35 40 45

Leu Arg Lys Glu Ile Asn Asn Ile Asn Ile Gln Met Ile Lys Phe Ser
50 55 60

Leu Leu Gly Glu Thr Ile Leu Glu Trp Asn Asp Lys Asp Ile Glu His
65 70 75 80

Tyr His Ala Arg Arg Met Ala Met Asp Ser Met Leu Cys Arg Phe Lys
85 90 95

Ala Thr Tyr Pro Ala Glu Arg Ile Asp Ser Val Arg His Leu Leu Glu
100 105 110

Asp Lys Glu Arg Gln Met Cys Gln Ile Val Gln Ile Leu Glu Gln Gln
115 120 125

Gln Ala Ile Asn Asp Lys Ile Thr Ser Gln Val Pro Val Ile Val Gln
130 135 140

Lys Ser Val Gln Glu Gln Pro Lys Lys Ser Lys Arg Lys Gly Phe Leu
145 150 155 160

Gly Ile Phe Gly Lys Lys Glu Glu Ala Lys Pro Thr Val Thr Thr Thr
165 170 175

Met His Arg Ser Phe Asn Arg Asn Met Arg Thr Glu Gln Gln Ala Gln
180 185 190

Ser Arg Arg Leu Ser Val His Ala Asp Ser Leu Ala Ala Arg Asn Ala
195 200 205

Glu Leu Asn Arg Gln Leu Gln Gly Leu Val Val Gln Ile Asp Gly Lys
210 215 220

Val Gln Thr Asp Leu Gln Lys Arg Glu Ala Glu Ile Thr Ala Met Arg
225 230 235 240

Glu Arg Ser Phe Ile Gln Ile Gly Gly Leu Thr Gly Phe Val Ile Leu
245 250 255

Leu Leu Val Ile Ser Tyr Ile Ile Ile His Arg Asn Ala Asn Arg Ile
260 265 270

Lys Arg Tyr Lys Gln Glu Thr Ala Asp Leu Ile Glu Arg Leu Gln Gln
275 280 285

Met Ala Lys Arg Asn Glu Ala Leu Ile Thr Ser Arg Lys Lys Ala Val
290 295 300

His Thr Ile Thr His Glu Leu Arg Thr Pro Leu Thr Ala Ile Thr Gly
305 310 315 320

Tyr Ala Gly Leu Ile Gln Lys Asn Phe Asn Ala Asp Lys Thr Gly Met
 325 330 335
 Tyr Ile Arg Asn Ile Gln Gln Ser Ser Asp Arg Met Arg Glu Met Leu
 340 345 350
 Asn Thr Leu Leu Ser Phe Phe Arg Leu Asp Asp Gly Lys Glu Gln Pro
 355 360 365
 Asn Phe Ser Thr Cys Arg Ile Ser Ser Ile Ala His Thr Leu Glu Ser
 370 375 380
 Glu Phe Met Pro Ile Ala Ile Asn Lys Gly Leu Ala Leu Thr Val Thr
 385 390 395 400
 Asn His Thr Asp Ala Val Val Leu Thr Asp Lys Glu Arg Ile Leu Gln
 405 410 415
 Ile Gly Asn Asn Leu Leu Ser Asn Ala Ile Lys Phe Thr Glu Asn Gly
 420 425 430
 Ala Val Ser Leu Thr Met Gly Tyr Asp Asn Gly Met Leu Lys Leu Ile
 435 440 445
 Val Lys Asp Thr Gly Ser Gly Met Thr Glu Glu Glu Gln Gln Arg Val
 450 455 460
 Phe Gly Ala Phe Glu Arg Leu Ser Asn Ala Ala Ala Lys Asp Gly Phe
 465 470 475 480
 Gly Leu Gly Leu Ser Ile Val Gln Arg Ile Val Thr Met Leu Gly Gly
 485 490 495
 Thr Ile Gln Leu Lys Ser Glu Lys Gly Lys Gly Ser Arg Phe Thr Val
 500 505 510
 Glu Ile Pro Met Gln Ser Ala Glu Glu Leu Pro Glu Arg Ile Asn Lys
 515 520 525
 Thr Gln Ile His His Asn Arg Thr Leu His Asp Ile Val Ala Ile Asp
 530 535 540
 Asn Asp Lys Val Leu Leu Leu Met Leu Lys Glu Met Tyr Ala Gln Glu
 545 550 555 560
 Gly Ile His Cys Asp Thr Cys Thr Asn Ala Ala Glu Leu Met Glu Met
 565 570 575
 Ile Arg Arg Lys Glu Tyr Ser Leu Leu Leu Thr Asp Leu Asn Met Pro
 580 585 590
 Asp Ile Asn Gly Phe Glu Leu Leu Glu Leu Leu Arg Thr Ser Asn Val
 595 600 605
 Gly Asn Ser Arg Ile Ile Pro Ile Ile Val Thr Thr Ala Ser Gly Ser
 610 615 620
 Cys Asn Arg Glu Glu Leu Leu Glu Arg Gly Phe Ser Asp Cys Leu Leu
 625 630 635 640
 Lys Pro Phe Ser Ile Ser Glu Leu Met Glu Val Ser Asp Lys Cys Ala
 645 650 655
 Met Lys Gly Lys Gln Asn Glu Lys Pro Asp Phe Ser Ser Leu Leu Ser
 660 665 670
 Tyr Gly Asn Glu Ser Val Met Leu Asp Lys Leu Ile Ala Glu Thr Glu
 675 680 685
 Lys Glu Met Gln Ser Val Arg Asp Gly Glu Gln Arg Lys Asp Phe Gln
 690 695 700
 Glu Leu Asp Ala Leu Thr His His Leu Arg Ser Ser Trp Glu Ile Leu
 705 710 715 720
 Arg Ala Asp Gln Pro Leu Arg Glu Leu Tyr Lys Gln Leu His Gly Ser
 725 730 735

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Ala Val Pro Asp Tyr Glu Ala Leu Asn Asn Ala Val Thr Ala Val Leu
740 745 750

Asp Lys Gly Ser Glu Ile Ile Arg Leu Ala Lys Glu Glu Arg Arg Lys
755 760 765

Tyr Glu Asn Gly
770

<210> 29
<211> 321
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 29
Met Lys Arg Ser Arg Phe Tyr Ile Thr Val Gly Leu Ile Leu Ser Leu
1 5 10 15

Thr Leu Leu Met Ser Ala Cys Gly Gln Lys Lys Ala Lys Asp Gly Arg
20 25 30

Thr Asp Thr Pro Thr Ser Gly Thr Ile Lys Phe Ala Ser Asp Glu Ser
35 40 45

Phe Ser Pro Ile Val Glu Glu Leu Leu Gln Asn Tyr Gln Phe Arg Tyr
50 55 60

Pro Gln Ala His Leu Leu Pro Ile Tyr Thr Asp Asp Asn Thr Gly Met
65 70 75 80

Lys Leu Leu Leu Asp Gln Lys Val Asn Leu Phe Ile Thr Ser His Ala
85 90 95

Met Thr Lys Gly Glu Asp Ala Ile Leu Arg Gly Lys Gly Pro Ile Pro
100 105 110

Glu Val Phe Pro Ile Gly Tyr Asp Gly Ile Ala Phe Ile Val Asn Arg
115 120 125

Ser Asn Pro Asp Ser Cys Ile Thr Val Asp Asp Val Lys Lys Ile Leu
130 135 140

Gln Gly Lys Ile Ala Lys Trp Asn Gln Leu Asn Pro Lys Asn Asn Arg
145 150 155 160

Gly Ser Ile Glu Val Val Phe Asp Asn Lys Ala Ser Ala Thr Leu His
165 170 175

Tyr Val Val Asp Ser Ile Leu Gly Gly Lys Asn Ile Lys Ser Glu Asn
180 185 190

Ile Val Ala Ala Lys Asn Ser Lys Ser Val Ile Asp Tyr Val Asn Lys
195 200 205

Thr Pro Asn Ala Ile Gly Val Ile Gly Ser Asn Trp Leu Asn Asp His
210 215 220

Arg Asp Thr Thr Asn Thr Thr Phe Lys Lys Asp Val Thr Val Ala Ser
225 230 235 240

Ile Ser Lys Ala Thr Val Ala Ser Pro Ser Asn Ser Trp Gln Pro Tyr
245 250 255

Gln Ala Tyr Leu Leu Asp Gly Arg Tyr Pro Phe Val Arg Thr Ile Tyr
260 265 270

Ala Leu Leu Ala Asp Pro His Lys Ala Leu Pro Tyr Ala Phe Ala Asn
275 280 285

Tyr Ile Ala Asn Pro Ile Gly Gln Met Ile Ile Phe Lys Ala Gly Leu
290 295 300

Leu Pro Tyr Arg Gly Asn Ile Asn Ile Arg Glu Val Glu Val Lys Asn
305 310 315 320

Gln

<210> 30
 <211> 198
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 30
 Met Ala Gly Thr Lys Arg Ile Lys Thr Ala Leu Ile Ser Val Phe His
 1 5 10 15

Lys Asp Gly Leu Asp Asp Leu Leu Lys Lys Leu Asp Glu Glu Gly Val
 20 25 30

Gln Phe Leu Ser Thr Gly Gly Thr Gln Gln Phe Ile Glu Ser Leu Gly
 35 40 45

Tyr Glu Cys Gln Lys Val Glu Asp Val Thr Ser Tyr Pro Ser Ile Leu
 50 55 60

Gly Gly Arg Val Lys Thr Leu His Pro Lys Ile Phe Gly Gly Ile Leu
 65 70 75 80

Ala Arg Arg Asp Asn Glu Glu Asp Gln Lys Gln Met Val Glu Tyr Thr
 85 90 95

Ile Pro Ala Ile Asp Leu Val Ile Val Asp Leu Tyr Pro Phe Glu Gln
 100 105 110

Thr Val Ala Ser Gly Ala Ser Ala Gln Asp Ile Ile Glu Lys Ile Asp
 115 120 125

Ile Gly Gly Ile Ser Leu Ile Arg Ala Gly Ala Lys Asn Phe Lys Asp
 130 135 140

Val Val Ile Val Pro Ser Lys Ala Glu Tyr Pro Val Leu Leu Gln Leu
 145 150 155 160

Leu Asn Thr Lys Gly Ala Glu Thr Glu Ile Glu Asp Arg Lys Met Phe
 165 170 175

Ala Glu Arg Ala Phe Gly Val Ser Ser His Tyr Asp Thr Ala Ile His
 180 185 190

Ser Trp Phe Ala Ala Glu
 195

<210> 31
 <211> 472
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 31
 Met Glu Glu Glu Lys Gly Gly Arg Ile Gly Gln Arg Pro Tyr Ile Leu
 1 5 10 15

Lys Ile Ile Thr Glu Arg Asn Tyr Ile Ile Ile Ile Asp Met Lys Lys
 20 25 30

Ala Lys Ile Leu Leu Phe Val Thr Ala Leu Val Ala Val Leu Thr Ser
 35 40 45

Cys Gly Gly Gly Gln Lys Gly Leu Pro Thr Ser Asp Glu Tyr Pro Val
 50 55 60

Ile Thr Ile Gly Ala Ser Asn Ala Gln Leu Lys Thr Thr Tyr Pro Ala
 65 70 75 80

Thr Ile Lys Gly Val Gln Asp Val Glu Val Arg Pro Lys Val Ser Gly
 85 90 95

Phe Ile Thr Lys Leu Asn Ile His Glu Gly Glu Tyr Val His Ala Gly
 100 105 110
 Gln Val Leu Phe Val Ile Asp Asn Ser Thr Tyr Gln Ala Ala Val Arg
 115 120 125
 Gln Ala Gln Ala Gln Val Asn Ser Ala Gln Ser Ala Val Ala Gln Ala
 130 135 140
 Lys Ala Asn Val Val Gln Ala Asn Ala Ser Leu Asn Ser Ala Asn Ala
 145 150 155 160
 Gln Ala Ala Thr Ser Arg Leu Thr Tyr Asn Asn Ser Gln Asn Leu Tyr
 165 170 175
 Asn Asn Lys Val Ile Gly Asp Tyr Glu Leu Gln Ser Ala Lys Asn Thr
 180 185 190
 Tyr Glu Thr Ala Gln Ala Ser Val Arg Gln Ala Gln Ser Gly Ile Ala
 195 200 205
 Ser Ala Gln Ala Ala Val Lys Gln Ala Glu Ala Gly Val Arg Gln Ala
 210 215 220
 Gln Ala Met Leu Ser Thr Ala Lys Asp Asn Leu Gly Phe Cys Tyr Val
 225 230 235 240
 Lys Ser Pro Ala Ser Gly Tyr Val Gly Ser Leu Pro Phe Lys Glu Asp
 245 250 255
 Ala Leu Val Ser Ala Ser Ser Ala Gln Pro Val Thr Thr Ile Ser Asn
 260 265 270
 Thr Ser Thr Ile Glu Val Tyr Phe Ser Met Thr Glu Ala Asp Val Leu
 275 280 285
 Lys Leu Ser Arg Thr Asp Asp Gly Leu Ser Asn Ala Ile Lys Lys Phe
 290 295 300
 Pro Ala Val Ser Leu Leu Leu Ala Asp Gly Ser Thr Tyr Asn His Glu
 305 310 315 320
 Gly Ala Ile Val Lys Thr Ser Gly Met Ile Asp Ala Thr Thr Gly Thr
 325 330 335
 Ile Asn Val Ile Ala Arg Phe Pro Asn Pro Glu His Leu Leu Lys Ser
 340 345 350
 Gly Gly Ser Gly Lys Ile Val Ile Ala Lys Asn Asn Asn Arg Ala Leu
 355 360 365
 Leu Ile Pro Gln Glu Ala Val Thr Gln Val Gln Asn Lys Met Phe Val
 370 375 380
 Tyr Lys Val Asp Ala Lys Asp Lys Val His Tyr Ser Glu Ile Thr Val
 385 390 395 400
 Asp Pro Gln Asn Asp Gly Ile Asn Tyr Ile Val Thr Ser Gly Leu Lys
 405 410 415
 Met Gly Glu Arg Ile Val Ser Lys Gly Val Ser Ser Leu Glu Asp Gly
 420 425 430
 Ala Lys Ile Lys Ala Leu Thr Pro Ala Glu Tyr Glu Glu Ala Ile Lys
 435 440 445
 Lys Ala Glu Lys Leu Gly Glu Asn Gln Ser Ser Ala Ser Gly Phe Leu
 450 455 460
 Lys Thr Met Lys Gly Asp Ser Lys
 465 470

<210> 32
 <211> 292
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente

<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 32

Met Ala Lys Arg Arg Asn Lys Ala Arg Ser His His Ser Leu Gln Val
1 5 10 15

Val Thr Leu Cys Ile Ser Thr Ala Met Val Leu Ile Leu Ile Gly Met
20 25 30

Val Val Leu Thr Val Phe Thr Ser Arg Asn Leu Ser Ser Tyr Val Lys
35 40 45

Glu Asn Leu Thr Val Thr Met Ile Leu Gln Pro Asp Met Ser Thr Glu
50 55 60

Glu Ser Ala Ala Leu Cys Gln Arg Ile Arg Ser Leu His Tyr Ile Asn
65 70 75 80

Ser Leu Asn Phe Ile Ser Lys Glu Gln Ala Leu Lys Glu Gly Thr Arg
85 90 95

Glu Leu Gly Ala Asn Pro Ala Glu Phe Ala Gly Gln Asn Pro Phe Thr
100 105 110

Gly Glu Ile Glu Leu Gln Leu Lys Ala Asn Tyr Ala Asn Asn Asp Ser
115 120 125

Ile Lys Asn Ile Glu Arg Glu Leu Arg Thr Tyr Arg Gly Val Ser Asp
130 135 140

Ile Thr Tyr Pro Gln Asn Leu Val Glu Ser Val Asn His Thr Leu Gly
145 150 155 160

Lys Ile Ser Leu Val Leu Leu Val Ile Ala Ile Leu Leu Thr Ile Val
165 170 175

Ser Phe Ser Leu Met Asn Asn Thr Ile Arg Leu Ser Ile Tyr Ala Arg
180 185 190

Arg Phe Ser Ile His Thr Met Lys Leu Val Gly Ala Ser Trp Gly Phe
195 200 205

Ile Arg Ala Pro Phe Leu Arg Arg Ala Val Met Glu Gly Leu Val Ser
210 215 220

Ala Leu Leu Ala Ile Ala Val Leu Gly Val Gly Leu Cys Leu Leu Tyr
225 230 235 240

Asp Tyr Glu Pro Asp Ile Thr Lys Val Leu Ser Trp Asp Val Leu Val
245 250 255

Ile Thr Ala Gly Val Met Leu Ala Phe Gly Val Leu Ile Ala Thr Phe
260 265 270

Cys Ser Trp Leu Ser Val Asn Lys Phe Leu Arg Met Lys Ala Gly Asp
275 280 285

Leu Tyr Lys Ile
290

<210> 33

<211> 828

<212> PRT

<213> Desconocido

<220>

<221> fuente

<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 33

Met Lys Leu Ser Asp Leu Lys Thr Gly Glu Thr Gly Val Ile Val Lys
1 5 10 15

Val Leu Gly His Gly Gly Phe Arg Lys Arg Ile Ile Glu Met Gly Phe
20 25 30

Ile Gln Gly Lys Gln Val Glu Val Leu Leu Asn Ala Pro Leu Arg Asp
35 40 45

Pro Val Lys Tyr Lys Ile Met Gly Tyr Glu Val Ser Leu Arg His Ser
 50 55 60

Glu Ala Asp Gln Ile Glu Val Ile Ser Ala Glu Glu Ala Arg Gln Leu
 65 70 75 80

Glu Gln Ala Lys Ala Asp Asn Glu Pro Gln Gln Gly Ala Leu Ser Asn
 85 90 95

Asn Ile Pro Asp Glu Ser Asp His Ala Leu Thr Pro Phe Glu Leu Thr
 100 105 110

Asp Ala Ala Asn Arg Lys Ser Lys Val Ile Asn Val Ala Leu Val Gly
 115 120 125

Asn Pro Asn Cys Gly Lys Thr Ser Leu Phe Asn Phe Ala Ser Gly Ala
 130 135 140

His Glu Arg Val Gly Asn Tyr Ser Gly Val Thr Val Asp Ala Lys Val
 145 150 155 160

Gly Arg Ala Asn Tyr Glu Gly Tyr Glu Phe His Leu Val Asp Leu Pro
 165 170 175

Gly Thr Tyr Ser Leu Ser Ala Tyr Ser Pro Glu Glu Leu Tyr Val Arg
 180 185 190

Lys Gln Leu Val Glu Lys Thr Pro Asp Val Val Ile Asn Val Ile Asp
 195 200 205

Ala Ser Asn Leu Glu Arg Asn Leu Tyr Leu Thr Thr Gln Leu Ile Asp
 210 215 220

Met His Val Arg Met Val Cys Ala Leu Asn Met Phe Asp Glu Thr Glu
 225 230 235 240

Gln Arg Gly Asp Asn Ile Asp Tyr Gln Lys Ile Ser Glu Leu Phe Gly
 245 250 255

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

Leu Phe His Gln Val Ile Ala Val Tyr Glu Gly Lys Glu Asp Glu Thr
 275 280 285

Ser Gln Phe Arg His Ile His Ile Asn His Gly His Glu Leu Glu Gly
 290 295 300

Gly Ile Lys Asn Ile Gln Glu His Leu Arg Ala Tyr Pro Asp Ile Cys
 305 310 315 320

Gln Arg Tyr Ser Thr Arg Tyr Leu Ala Ile Lys Leu Leu Glu His Asp
 325 330 335

Lys Asp Val Glu Glu Leu Ile Lys Pro Leu Lys Asp Ser Asp Glu Ile
 340 345 350

Phe Lys His Arg Asp Ile Ala Ala Gln Arg Val Lys Glu Glu Thr Gly
 355 360 365

Asn Glu Ser Glu Thr Ala Ile Met Asp Ala Lys Tyr Gly Phe Ile His
 370 375 380

Gly Ala Leu Glu Glu Ala Asp Tyr Ser Thr Gly Gln Lys Lys Asp Thr
 385 390 395 400

Tyr Gln Thr Thr His Phe Ile Asp Gln Ile Leu Thr Asn Lys Tyr Phe
 405 410 415

Gly Phe Pro Ile Phe Phe Leu Ile Leu Phe Ile Met Phe Thr Ala Thr
 420 425 430

Phe Val Ile Gly Gln Tyr Pro Met Asp Trp Ile Asp Gly Gly Val Ser
 435 440 445

Trp Leu Gly Asp Phe Ile Ser Ser Asn Met Pro Asp Gly Pro Val Lys
 450 455 460

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Asp Met Leu Val Asp Gly Ile Ile Gly Gly Val Gly Ala Val Ile Val
 465 470 475 480
 Phe Leu Pro Gln Ile Leu Ile Leu Tyr Phe Phe Ile Ser Tyr Met Glu
 485 490 495
 Asp Ser Gly Tyr Met Ala Arg Ala Ala Phe Ile Met Asp Lys Leu Met
 500 505 510
 His Lys Met Gly Leu His Gly Lys Ser Phe Ile Pro Leu Ile Met Gly
 515 520 525
 Phe Gly Cys Asn Val Pro Ala Val Met Ala Thr Arg Thr Ile Glu Ser
 530 535 540
 Arg Arg Ser Arg Leu Val Thr Met Leu Ile Leu Pro Leu Met Ser Cys
 545 550 555 560
 Ser Ala Arg Leu Pro Ile Tyr Val Met Ile Thr Gly Ser Phe Phe Ala
 565 570 575
 Leu Lys Tyr Arg Ser Leu Ala Met Leu Ser Leu Tyr Val Ile Gly Ile
 580 585 590
 Leu Met Ser Val Ile Met Ser Arg Val Phe Ser Arg Phe Leu Val Lys
 595 600 605
 Gly Glu Asp Thr Pro Phe Val Met Glu Leu Pro Pro Tyr Arg Phe Pro
 610 615 620
 Thr Trp Lys Ala Ile Gly Arg His Thr Trp Glu Lys Gly Lys Gln Tyr
 625 630 635 640
 Leu Lys Lys Met Gly Gly Ile Ile Leu Val Ala Ser Ile Ile Val Trp
 645 650 655
 Ala Leu Gly Tyr Phe Pro Leu Pro Asp Lys Pro Asp Met Gly Gln Gln
 660 665 670
 Glu Arg Gln Glu His Ser Phe Ile Gly Gln Ile Gly His Ala Val Glu
 675 680 685
 Pro Val Phe Arg Pro Gln Gly Phe Asn Trp Lys Leu Asp Val Gly Leu
 690 695 700
 Leu Ala Gly Val Gly Ala Lys Glu Ile Val Ala Ser Thr Met Gly Val
 705 710 715 720
 Leu Tyr Ser Asn Asp Asp Ser Phe Lys Asp Asp Asn Ser Phe Ser Ser
 725 730 735
 Glu Gly Gly Lys Tyr Val Lys Leu His Lys Gln Ile Thr Gln Asp Val
 740 745 750
 Ala Asn Leu His Gly Val Ser Tyr Asn Glu Ala Glu Pro Ile Ala Thr
 755 760 765
 Leu Thr Ala Phe Cys Phe Leu Leu Phe Val Leu Leu Tyr Phe Pro Cys
 770 775 780
 Ile Ala Thr Ile Ala Ala Ile Lys Gly Glu Thr Gly Ser Trp Gly Trp
 785 790 795 800
 Ala Leu Phe Ala Ala Gly Tyr Thr Thr Leu Leu Ala Trp Val Val Ser
 805 810 815
 Ala Ile Val Phe Gln Val Gly Met Leu Phe Ile Gly
 820 825

<210> 34
 <211> 566
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

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Phe Ala Val Thr Phe Gly Ser Cys Ser Gln Asp Gly Gln Leu Thr Gly
      20      25      30

Thr Lys Glu Asp Thr Gly Glu Arg Val Leu Asp Asn Thr Arg Glu Ile
      35      40      45

Gln Asn Tyr Leu Arg Thr Leu Pro Leu Ala Pro Met Met Ser Arg Ala
      50      55      60

Ser Asp Pro Val Pro Ser Asp Asp Gly Thr Thr Val Pro Val Asp Glu
65      70      75      80

Gly Thr Ser Lys Thr Glu Glu Lys Gly Val Leu Asn Gly Ile Pro Gly
      85      90      95

Ser Trp Val Lys Thr Thr Arg Arg Tyr Lys Met Thr Gln Ala Phe Asp
      100      105      110

Glu Ser Phe Leu Phe Asp Pro Thr Ser Asp Ile Val Tyr Pro Gly Cys
      115      120      125

Val Leu Lys Gly Gly Thr Ile Ala Asn Gly Thr Tyr Ala Ile Ile Thr
      130      135      140

Ser His Glu Thr Gly Asp Val Thr Phe Ser Ile Asn Leu Ser Pro Ala
145      150      155      160

Asn Pro Gln Glu Ala Arg Glu Thr Ser Ala Thr Val His Asn Ile Arg
      165      170      175

Lys Ser Glu Tyr Gln Glu Val Trp Asn Lys Trp Ala Asn Met Gln Trp
      180      185      190

Lys Glu Ser Pro Ile Thr Thr Ile Glu Ser Val Glu Lys Ile Asn Ser
      195      200      205

Gln Glu Glu Leu Ala Thr Lys Leu Gly Val Ala Val Asn Ser Pro Val
      210      215      220

Ala Asn Gly Ser Leu Asn Phe Gly Phe Asn Phe Asn Lys Lys Lys Asn
225      230      235      240

His Ile Leu Ala Arg Leu Ile Gln Lys Tyr Phe Ser Val Ser Thr Asp
      245      250      255

Ala Pro Lys Lys Gly Asn Ile Phe Glu Ser Ile Asp Lys Glu Ala Leu
      260      265      270

Asp Gly Tyr Gln Pro Val Tyr Ile Ser Asn Ile Asn Tyr Gly Arg Ile
      275      280      285

Ile Tyr Leu Ser Val Glu Ser Asp Glu Asp Glu Lys Val Val Asp Glu
      290      295      300

Ala Ile Asn Phe Ala Met Asn Gln Ile Lys Gly Val Asp Val Ser Val
305      310      315      320

Ser Ala Asp Gln Ser Leu His Tyr Arg Lys Val Leu Ala Asn Cys Asp
      325      330      335

Ile Arg Ile Thr Val Leu Gly Gly Gly Gln Thr Ile Gln Lys Glu Val
      340      345      350

Leu Lys Gly Asp Ile Asp Ser Phe Gln Arg Phe Leu Asn Ala Asp Ile
      355      360      365

Pro Met Glu Gln Met Ser Pro Ile Ser Phe Ser Leu Arg Tyr Ala Val
      370      375      380

Asp Asn Ser Gln Ala Arg Val Val Thr Ser Asn Glu Phe Thr Val Thr
385      390      395      400

Gln Arg Asp Phe Val Pro Glu Phe Lys Lys Val Arg Met Gln Leu Gln
      405      410      415

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Val Leu Gly Phe Ser Gly Thr Asn Thr Gly Pro Phe Pro Asn Leu Asp
420 425 430

Arg Glu Ala Gly Leu Trp Gly Ser Ile Ser Leu Ser Leu Asn Gly Gln
435 440 445

Asp Asn Glu Leu Val Lys Ile Ser Gln Ser Asn Pro Phe Phe Phe Asn
450 455 460

Tyr Arg Glu Lys Lys Glu Thr Met His Pro Ile Gly Phe Gly Gly Ile
465 470 475 480

Val Thr Val Glu Phe Asp Lys Asp Pro Asn Glu Ser Leu Glu Asp Phe
485 490 495

Val Asp His Gln Lys Met Thr Phe Val Ser Asp Leu His Ser Thr Arg
500 505 510

Ser Ile Tyr Asn Tyr Asn Phe Gly Arg Thr Thr Phe Thr His Thr Leu
515 520 525

Gly Thr Leu Tyr Thr Lys Tyr Lys Gly Asp Asp Pro Ile Phe Val Leu
530 535 540

Glu Ser Asn Asn Lys Asn Val Lys Ile His Thr Tyr Val Lys Val Leu
545 550 555 560

Asp Met Lys Phe Phe Asn
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<210> 35

<211> 922

<212> PRT

<213> Desconocido

<220>

<221> fuente

<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 35

Met Thr Lys Phe Ile Tyr Ala Met Ser Leu Phe Leu Leu Ala Ala Ile
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Ser Ile Lys Ala Gln Pro Ile Gln Lys Thr Ser Gly Cys Leu Leu His
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Gly Ser Val Val Ser Ser Thr Asp Ala Thr Ala Ile Ala Gly Ala Thr
35 40 45

Val Arg Leu Tyr Gln Leu Lys Lys Leu Val Gly Gly Thr Val Ser Asp
50 55 60

Ala Ser Gly Asn Phe Asp Val Lys Cys Pro Ser Ser Gly Ser Leu Gln
65 70 75 80

Leu Arg Ile Thr Ala Val Gly Phe Lys Glu Val Asp Thr Thr Leu Asn
85 90 95

Val Pro Thr Val Thr Pro Leu Ser Ile Tyr Met Arg Ala Gly Lys His
100 105 110

Ala Met Asp Glu Val Thr Val Thr Ala Ser Glu Lys Arg Gly Met Thr
115 120 125

Ser Thr Thr Val Ile Gly Gln Thr Ala Met Glu His Leu Gln Pro Ser
130 135 140

Ser Phe Ala Asp Leu Leu Ala Leu Leu Pro Gly Gly Met Thr Lys Ile
145 150 155 160

Pro Ala Leu Gly Ser Ala Asn Val Ile Thr Leu Arg Glu Ala Gly Pro
165 170 175

Pro Ser Ser Gln Tyr Ala Thr Ser Ser Leu Gly Thr Lys Phe Val Ile
180 185 190

Asp Gly Gln Ala Ile Gly Thr Asp Ala Asn Met Gln Tyr Ile Ala Gly
195 200 205

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Ser Phe Gln Gly Asp Ala Asp Asn Ser Arg Asn His Val Ser Tyr Gly
 210 215 220
 Val Asp Met Arg Glu Ile Pro Thr Asp Asn Ile Glu Lys Val Glu Val
 225 230 235 240
 Val Arg Gly Ile Pro Ser Val Lys Tyr Gly Glu Leu Thr Ser Gly Leu
 245 250 255
 Ile Asn Ile Thr Arg Lys Arg Ser Gln Ser Pro Leu Leu Leu Arg Leu
 260 265 270
 Lys Ala Asp Glu Tyr Gly Lys Leu Val Ser Val Gly Lys Gly Phe Leu
 275 280 285
 Leu Ser Gly Lys Trp Asn Leu Asn Val Asp Gly Gly Leu Leu Asp Ala
 290 295 300
 Arg Lys Glu Pro Arg Asn Arg Phe Glu Thr Tyr Arg Arg Leu Thr Phe
 305 310 315 320
 Ser Ala Arg Leu Arg Arg Lys Trp Asn Leu Gly Glu Arg Tyr Val Leu
 325 330 335
 Glu Trp Ser Gly Ala Thr Asp Tyr Ser Leu Asn Ile Asp Asn Val Lys
 340 345 350
 Thr Asp Pro Glu Ile Gln Ile His Arg Glu Asp Ser Tyr Arg Ser Ser
 355 360 365
 Tyr Leu Lys Met Gly Met Asn His Arg Leu Leu Leu Arg Arg Lys Ala
 370 375 380
 Leu Val Gly Leu Gln Ser Val Ser Leu Ala Tyr Ser Ala Ser Leu Ala
 385 390 395 400
 Ser Asp Arg Ile His Gln Thr Glu Ala Val Ala Leu Gln Arg Asp Tyr
 405 410 415
 Val Val Pro Leu Ala Tyr Glu Gly Gly Glu Tyr Asp Gly Leu Phe Leu
 420 425 430
 Pro Met Gln Tyr Leu Cys Asp Tyr Arg Val Glu Gly Lys Pro Phe Tyr
 435 440 445
 Ser Thr Leu Arg Gly Glu Thr Glu Trp Leu Ala Arg Thr Ser Phe Ile
 450 455 460
 Ser His His Ile Thr Ala Gly Gly Glu Phe Leu Leu Asn Lys Asn Tyr
 465 470 475 480
 Gly Arg Gly Gln Ile Phe Asp Ile Thr Lys Pro Leu His Ala Ser Thr
 485 490 495
 Ala Arg Arg Pro Arg Ser Tyr Lys Asp Ile Pro Ala Thr Asp Ile Leu
 500 505 510
 Ser Phe Tyr Ala Glu Asp Lys Ala Thr Met Pro Ile Gly Lys His Gln
 515 520 525
 Leu Thr Val Met Ala Gly Leu Arg Thr Thr Gln Met Leu Asn Ile Pro
 530 535 540
 Ala Ser Tyr Ala Val His Gly Lys Leu Phe Thr Asp Thr Arg Val Asn
 545 550 555 560
 Val Gln Trp Asp Phe Pro Ser Phe Leu Gly Phe Lys Ser Phe Val Ser
 565 570 575
 Gly Gly Leu Gly Met Met Thr Lys Met Pro Thr Val Leu Asp Leu Tyr
 580 585 590
 Pro Asp Tyr Val Tyr Lys Asp Ile Thr Glu Met Asn Tyr Trp Asp Ile
 595 600 605
 Arg Pro Ala Tyr Lys Arg Ile His Ile Arg Thr Tyr Lys Leu Asn Gln

610 615 620

Val Asn Pro Asp Leu Arg Pro Ala Arg Asn Lys Lys Trp Glu Ile Arg
625 630 635 640

Leu Gly Met Asp Lys Gly Ala His His Phe Ser Val Thr Tyr Phe His
645 650 655

Glu Asp Met Lys Asp Gly Phe Arg Ser Thr Thr Thr Met Arg Pro Phe
660 665 670

Ile Tyr Lys Arg Tyr Asp Thr Ser Val Ile Asn Pro Ser Ala Leu Thr
675 680 685

Gly Pro Pro Ser Leu Ala Ser Leu Pro Val Val Thr Asp Thr Leu Leu
690 695 700

Asp Gly Tyr Gly Arg Thr Glu Asn Gly Ser Arg Ile Thr Lys Gln Gly
705 710 715 720

Ile Glu Phe Gln Tyr Ser Ser Pro Arg Ile Pro Val Ile Gln Thr Arg
725 730 735

Ile Thr Val Asn Gly Ala Trp Phe Arg Thr Leu Tyr Glu Asn Ser Ile
740 745 750

Pro Leu Phe Arg Ser Ala Pro Asn Val Val Val Gly Thr Val Ala Ile
755 760 765

Ala Asp Arg Tyr Ala Gly Tyr Tyr Met Ser Thr Asp Lys Tyr Asp Lys
770 775 780

Gln Ile Phe Thr Ser Asn Phe Ile Phe Asp Ser Tyr Val Asp Lys Leu
785 790 795 800

Gly Leu Ile Leu Ser Ala Thr Ala Glu Cys Phe Trp Met Ser Asn Thr
805 810 815

Lys Arg Pro Ala Thr Ser Ser Thr Pro Met Gly Tyr Met Asp Ile Thr
820 825 830

Gly Thr Val His Pro Tyr Val Glu Ala Asp Gln Ser Asp Pro Tyr Leu
835 840 845

Arg Trp Leu Val Leu Thr Gly Thr Ala Gly Gln Asp Met Asp Tyr Arg
850 855 860

Glu Arg Ser Tyr Met Leu Val Asn Phe Lys Ala Thr Lys Arg Phe Gly
865 870 875 880

Arg His Leu Ser Leu Ser Phe Phe Ala Asp Arg Val Phe Tyr Val Ala
885 890 895

Pro Asp Tyr Glu Val Asn Gly Phe Ile Val Arg Arg Thr Phe Ser Pro
900 905 910

Tyr Phe Gly Met Glu Ile Gly Leu Lys Ile
915 920

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<212> PRT
<213> Desconocido

<220>
<221> fuente
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Secuencia de Prevotella"

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Met Leu Ile Asp Phe Lys Lys Val Asn Ile Tyr Gln Asp Glu Arg Leu
1 5 10 15

Ile Leu Lys Asp Ile Asp Phe Gln Ala Thr Glu Gly Glu Phe Ile Tyr
20 25 30

Leu Ile Gly Arg Val Gly Ser Gly Lys Ser Ser Leu Leu Lys Thr Phe
35 40 45

Tyr Gly Glu Leu Asp Ile Asp Gln Glu Asp Ala Glu Lys Ala Glu Val

50 55 60
 Leu Gly Glu Ser Val Leu Asp Ile Lys Gln Lys Arg Ile Pro Ala Leu
 65 70 75 80
 Arg Arg Gln Met Gly Ile Ile Phe Gln Asp Phe Gln Leu Leu His Asp
 85 90 95
 Arg Ser Val Ala Lys Asn Leu Lys Phe Val Leu Gln Ala Thr Gly Trp
 100 105 110
 Lys Asp Lys Glu Lys Ile Lys Gln Arg Ile Lys Glu Val Leu Glu Gln
 115 120 125
 Val Gly Met Ile Asp Lys Ala Ala Lys Met Pro Ser Glu Leu Ser Gly
 130 135 140
 Gly Glu Gln Gln Arg Ile Ala Ile Ala Arg Ala Phe Leu Asn Asn Pro
 145 150 155 160
 Lys Ile Ile Leu Ala Asp Glu Pro Thr Gly Asn Leu Asp Pro Glu Thr
 165 170 175
 Ala Ser Asn Ile Val Ser Ile Leu Lys Asp Thr Cys Lys Asn Gly Thr
 180 185 190
 Thr Val Ile Met Ser Thr His Asn Ile Asn Leu Leu Ser Gln Phe Pro
 195 200 205
 Gly Lys Val Tyr Arg Cys Met Glu Gln Ala Leu Val Pro Val Thr Asn
 210 215 220
 Glu Ala Gln Thr Lys Asp Leu Glu Glu Asp Ser Thr Ser Val Glu Pro
 225 230 235 240
 Leu Ile Glu Pro Val Leu Glu Glu Glu Ala Gln Ala Glu Asp Ser Lys
 245 250 255
 Glu
 <210> 37
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 <213> Desconocido
 <220>
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 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"
 <400> 37
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 Thr Gly Glu Arg Phe Gly Tyr Tyr Thr Met Ile Ala Val Phe Ala Leu
 20 25 30
 Phe Leu Arg Ala Asn Phe Gly Leu Glu Pro Gly Thr Ala Gly Leu Ile
 35 40 45
 Tyr Ser Ile Phe Leu Gly Leu Val Tyr Phe Leu Pro Leu Ile Gly Gly
 50 55 60
 Ile Met Ala Asp Lys Phe Gly Tyr Gly Lys Met Val Thr Ile Gly Ile
 65 70 75 80
 Ile Val Met Phe Ala Gly Tyr Leu Phe Leu Ser Val Pro Leu Gly Gly
 85 90 95
 Gly Thr Val Ala Phe Gly Ala Met Leu Ala Ala Leu Leu Leu Ile Ser
 100 105 110
 Phe Gly Thr Gly Leu Phe Lys Gly Asn Leu Gln Val Met Val Gly Asn
 115 120 125
 Leu Tyr Asp Thr Pro Glu Leu Ala Ser Lys Arg Asp Ser Ala Phe Ser
 130 135 140
 Ile Phe Tyr Met Ala Ile Asn Ile Gly Ala Leu Phe Ala Pro Thr Ala

Ala Val Lys Ile Lys Glu Trp Ala Glu Thr Ser Leu Gly Tyr Ala Gly
165 170 175

Asn Asp Ala Tyr His Phe Ser Phe Ala Val Ala Cys Val Ser Leu Ile
180 185 190

Val Ser Met Gly Ile Tyr Tyr Ala Phe Arg Ser Thr Phe Lys His Val
195 200 205

Glu Gly Gly Thr Lys Lys Thr Glu Lys Ala Ala Ala Ala Ala Val Glu
210 215 220

Glu Leu Thr Pro Gln Gln Thr Lys Glu Arg Ile Val Ala Leu Cys Leu
225 230 235 240

Val Phe Ala Val Val Ile Phe Phe Trp Met Ala Phe His Gln Asn Gly
245 250 255

Leu Thr Leu Thr Tyr Phe Ala Asp Glu Phe Val Ser Pro Thr Ser Thr
260 265 270

Gly Val Gln Ser Met Ala Phe Asp Val Val Asn Leu Val Met Ile Val
275 280 285

Phe Ile Val Tyr Ser Ile Met Ala Leu Phe Gln Ser Lys Thr Thr Lys
290 295 300

Ala Lys Gly Ile Ala Cys Ala Val Ile Leu Ala Ala Ile Ala Val Leu
305 310 315 320

Ala Tyr Lys Tyr Met Asn Val Asn Gly Gln Val Glu Val Ser Ala Pro
325 330 335

Ile Phe Gln Gln Phe Asn Pro Phe Tyr Val Val Ala Leu Thr Pro Ile
340 345 350

Ser Met Ala Ile Phe Gly Ser Leu Ala Ala Lys Gly Lys Glu Pro Ser
355 360 365

Ala Pro Arg Lys Ile Ala Tyr Gly Met Ile Val Ala Gly Cys Ala Tyr
370 375 380

Leu Leu Met Val Leu Ala Ser Gln Gly Leu Leu Thr Pro His Glu Gln
385 390 395 400

Lys Leu Ala Lys Ala Ala Gly Glu Thr Val Pro Phe Ala Ser Ala Asn
405 410 415

Trp Leu Ile Gly Thr Tyr Leu Val Leu Thr Phe Gly Glu Leu Leu Leu
420 425 430

Ser Pro Met Gly Ile Ser Phe Val Ser Lys Val Ala Pro Pro Lys Tyr
435 440 445

Lys Gly Ala Met Met Gly Gly Trp Phe Val Ala Thr Ala Ile Gly Asn
450 455 460

Ile Leu Val Ser Val Gly Gly Tyr Leu Trp Gly Asp Leu Ser Leu Thr
465 470 475 480

Val Val Trp Thr Val Phe Ile Val Leu Cys Leu Val Ser Ala Ser Phe
485 490 495

Met Phe Leu Met Met Lys Arg Leu Glu Lys Val Ala
500 505

<210> 38
<211> 492
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 38
Met Lys Lys Ile Leu Ile Phe Val Ala Gly Leu Cys Met Ser Leu Ala
Página 41

Ala Ser Ala Gln Ile Gln Arg Pro Lys Leu Val Val Gly Leu Val Val
20 25 30

Asp Gln Met Arg Trp Asp Tyr Leu Tyr Tyr Tyr Tyr Asn Glu Tyr Gly
35 40 45

Thr Asp Gly Leu Arg Arg Leu Val Asp Asn Gly Phe Ser Phe Glu Asn
50 55 60

Thr His Ile Asn Tyr Ala Pro Thr Val Thr Ala Ile Gly His Ser Ser
65 70 75 80

Val Tyr Thr Gly Ser Val Pro Ala Ile Thr Gly Ile Ala Gly Asn Tyr
85 90 95

Phe Phe Gln Asp Asp Lys Asn Val Tyr Cys Cys Glu Asp Pro Asn Val
100 105 110

Lys Ser Val Gly Ser Asp Ser Lys Glu Gly Gln Met Ser Pro His Arg
115 120 125

Leu Leu Ala Ser Thr Ile Gly Asp Glu Leu Gln Ile Ser Asn Asp Phe
130 135 140

Arg Ser Lys Val Ile Gly Val Ala Leu Lys Asp Arg Ala Ser Ile Leu
145 150 155 160

Pro Ala Gly His Ala Ala Asp Ala Ala Tyr Trp Trp Asp Thr Ser Ala
165 170 175

Gly His Phe Val Thr Ser Thr Phe Tyr Thr Asp His Leu Pro Gln Trp
180 185 190

Val Ile Asp Phe Asn Glu Lys Asn His Thr Ala Pro Asn Phe Asn Ile
195 200 205

Lys Thr Ser Thr Gln Gly Val Thr Met Thr Phe Lys Met Ala Glu Ala
210 215 220

Ala Leu Lys Asn Glu Asn Leu Gly Lys Gly Lys Glu Thr Asp Met Leu
225 230 235 240

Ala Val Ser Ile Ser Ser Thr Asp Ala Ile Gly His Val Tyr Ser Thr
245 250 255

Arg Gly Lys Glu Asn His Asp Val Tyr Met Gln Leu Asp Lys Asp Leu
260 265 270

Ala His Phe Leu Lys Thr Leu Asp Glu Gln Val Gly Lys Gly Asn Tyr
275 280 285

Leu Leu Phe Leu Thr Ala Asp His Gly Ala Ala His Asn Tyr Asn Tyr
290 295 300

Met Lys Glu His Arg Ile Pro Ala Gly Gly Trp Asp Tyr Arg Gln Ser
305 310 315 320

Val Lys Asp Leu Asn Gly Tyr Leu Gln Gly Lys Phe Gly Ile Ala Pro
325 330 335

Val Met Ala Glu Asp Asp Tyr Gln Phe Phe Leu Asn Asp Ser Leu Ile
340 345 350

Ala Ala Ser Gly Leu Lys Lys Gln Gln Ile Ile Asp Glu Ser Val Glu
355 360 365

Tyr Leu Lys Lys Asp Pro Arg Tyr Leu Tyr Val Phe Asp Glu Glu Arg
370 375 380

Ile Ser Glu Val Thr Met Pro Gln Trp Ile Lys Glu Arg Met Ile Asn
385 390 395 400

Gly Tyr Phe Arg Gly Arg Ser Gly Glu Ile Gly Val Val Thr Arg Pro
405 410 415

Gln Val Phe Gly Ala Lys Asp Ser Pro Thr Tyr Lys Gly Thr Gln His
 420 425 430

Gly Gln Pro Phe Pro Tyr Asp Thr His Ile Pro Phe Leu Leu Tyr Gly
 435 440 445

Trp Asn Val Lys His Gly Ala Thr Thr Gln Gln Thr Tyr Ile Val Asp
 450 455 460

Ile Ala Pro Thr Val Cys Ala Met Leu His Ile Gln Met Pro Asn Gly
 465 470 475 480

Cys Ile Gly Thr Ala Arg Asn Met Ala Leu Gly Asn
 485 490

<210> 39
 <211> 1138
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

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Phe Lys Trp Thr Leu Arg Val Leu Ile Thr Ile Ala Ile Leu Leu Gly
 20 25 30

Val Val Phe Val Ala Met Phe Ala Leu Glu Gly Ser Pro Gln Met Pro
 35 40 45

Phe Arg His Asp Tyr Arg Ser Val Val Ser Ala Ser Glu Pro Leu Leu
 50 55 60

Lys Asp Asn Lys Arg Ala Glu Val Tyr Lys Ser Phe Arg Asp Phe Phe
 65 70 75 80

Lys Glu Gln Lys Met His Ser Asn Tyr Ala Lys Val Ala Ala Arg Gln
 85 90 95

His Arg Phe Val Gly His Thr Asp Asn Val Thr Gln Lys Tyr Ile Lys
 100 105 110

Glu Trp Thr Asp Pro Arg Met Gly Ile Arg Ser Ala Trp Tyr Val Asn
 115 120 125

Trp Asp Lys His Ala Tyr Ile Ser Leu Lys Asn Asn Leu Lys Asn Leu
 130 135 140

Asn Met Val Leu Pro Glu Trp Tyr Phe Ile Asn Pro Lys Thr Asp Arg
 145 150 155 160

Ile Glu Ala Arg Ile Asp Gln Arg Ala Leu Lys Leu Met Arg Arg Ala
 165 170 175

His Ile Pro Val Leu Pro Met Leu Thr Asn Asn Tyr Asn Ser Ala Phe
 180 185 190

Arg Pro Glu Ala Ile Gly Arg Ile Met Arg Asp Ser Thr Lys Arg Met
 195 200 205

Gly Met Ile Asn Glu Leu Val Ala Ala Cys Lys His Asn Gly Phe Ala
 210 215 220

Gly Ile Asn Leu Asp Leu Glu Glu Leu Asn Ile Asn Asp Asn Ala Leu
 225 230 235 240

Leu Val Thr Leu Val Lys Asp Phe Ala Arg Val Phe His Ala Asn Gly
 245 250 255

Leu Tyr Val Thr Gln Ala Val Ala Pro Phe Asn Glu Asp Tyr Asp Met
 260 265 270

Gln Glu Leu Ala Lys Tyr Asp Asp Tyr Leu Phe Leu Met Ala Tyr Asp
 275 280 285

Glu Tyr Asn Ala Gly Ser Gln Ala Gly Pro Val Ser Ser Gln Arg Trp
 290 295 300

Val Glu Lys Ala Thr Asp Trp Ala Ala Lys Asn Val Pro Asn Asp Lys
 305 310 315 320

Ile Val Leu Gly Met Ala Thr Tyr Gly Tyr Asn Trp Ala Gln Gly Gln
 325 330 335

Gly Gly Thr Thr Met Ser Phe Asp Gln Thr Met Ala Thr Ala Leu Asn
 340 345 350

Ala Gly Ala Lys Val Asn Phe Asn Asp Asp Thr Tyr Asn Leu Asn Phe
 355 360 365

Ser Tyr Gln Asp Glu Asp Asp Gly Thr Leu His Gln Val Phe Phe Pro
 370 375 380

Asp Ala Val Thr Thr Phe Asn Ile Met Arg Phe Gly Ala Thr Tyr His
 385 390 395 400

Leu Ala Gly Phe Gly Leu Trp Arg Leu Gly Thr Glu Asp Ser Arg Ile
 405 410 415

Trp Lys Tyr Tyr Gly Lys Asp Leu Ser Trp Glu Ser Ala Ala Arg Met
 420 425 430

Pro Ile Ala Lys Ile Met Gln Leu Ser Gly Thr Asp Asp Val Asn Phe
 435 440 445

Val Gly Ser Gly Glu Val Leu Asn Val Thr Ser Glu Pro His Ala Gly
 450 455 460

Arg Ile Gly Ile Val Leu Asp Lys Asp Asn Gln Leu Ile Ile Glu Glu
 465 470 475 480

Arg Tyr Leu Ser Leu Pro Ala Thr Tyr Thr Val Gln Arg Leu Gly Lys
 485 490 495

Cys Lys Glu Lys Gln Leu Val Leu Thr Phe Asp Asp Gly Pro Asp Ser
 500 505 510

Arg Trp Thr Pro Lys Val Leu Ser Ile Leu Lys His Tyr Lys Val Pro
 515 520 525

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

Val Lys Asp Val Phe Asn Gln Gly Cys Thr Ile Gly Asn His Thr Phe
 545 550 555 560

Thr His His Asn Met Ile Glu Asn Ser Asp Arg Arg Ser Phe Ala Glu
 565 570 575

Leu Lys Leu Thr Arg Met Leu Ile Glu Ser Ile Thr Gly Gln Ser Thr
 580 585 590

Ile Leu Phe Arg Ala Pro Tyr Asn Ala Asp Ala Asp Pro Thr Asp His
 595 600 605

Glu Glu Ile Trp Pro Met Ile Ile Ala Ser Arg Arg Asn Tyr Leu Phe
 610 615 620

Val Gly Glu Ser Ile Asp Pro Asn Asp Trp Gln Gln Gly Val Thr Ala
 625 630 635 640

Asp Gln Ile Tyr Lys Arg Val Leu Asp Gly Val His Gln Glu Tyr Gly
 645 650 655

His Ile Ile Leu Leu His Asp Ala Gly Gly Asp Thr Arg Glu Pro Thr
 660 665 670

Val Thr Ala Leu Pro Arg Ile Ile Glu Thr Leu Gln Arg Glu Gly Tyr
 675 680 685

Gln Phe Ile Ser Leu Glu Lys Tyr Leu Gly Met Ser Arg Gln Thr Leu
 690 695 700

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Met Pro Pro Ile Lys Lys Gly Lys Glu Tyr Tyr Ala Met Gln Ala Asn
 705 710 715 720
 Leu Ser Leu Ala Glu Leu Ile Tyr His Ile Ser Asp Phe Leu Thr Ala
 725 730 735
 Leu Phe Leu Val Phe Leu Val Leu Gly Phe Met Arg Leu Val Phe Met
 740 745 750
 Tyr Val Leu Met Ile Arg Glu Lys Arg Ala Glu Asn Arg Arg Asn Tyr
 755 760 765
 Ala Pro Ile Asp Pro Leu Thr Ala Pro Ala Val Ser Ile Ile Val Pro
 770 775 780
 Ala Tyr Asn Glu Glu Val Asn Ile Val Arg Thr Ile Ser Asn Leu Lys
 785 790 795 800
 Glu Gln Asp Tyr Pro Ser Leu Lys Ile Tyr Leu Val Asp Asp Gly Ser
 805 810 815
 Lys Asp Asn Thr Leu Gln Arg Val Arg Glu Val Phe Glu Asn Asp Asp
 820 825 830
 Lys Val Val Ile Ile Ser Lys Lys Asn Gly Gly Lys Ala Ser Ala Leu
 835 840 845
 Asn Tyr Gly Ile Ala Ala Cys Ser Thr Asp Tyr Ile Val Cys Val Asp
 850 855 860
 Ala Asp Thr Gln Leu Tyr Lys Asp Ala Val Ser Lys Leu Met Lys His
 865 870 875 880
 Phe Ile Ala Asp Lys Thr Gly Lys Leu Gly Ala Val Ala Gly Asn Val
 885 890 895
 Lys Val Gly Asn Gln Arg Asn Met Leu Thr Tyr Trp Gln Ala Ile Glu
 900 905 910
 Tyr Thr Thr Ser Gln Asn Phe Asp Arg Met Ala Tyr Ser Asn Ile Asn
 915 920 925
 Ala Ile Thr Val Ile Pro Gly Ala Ile Gly Ala Phe Arg Lys Asp Val
 930 935 940
 Leu Glu Ala Val Gly Gly Phe Thr Thr Asp Thr Leu Ala Glu Asp Cys
 945 950 955 960
 Asp Leu Thr Met Ser Ile Asn Glu His Gly Tyr Leu Ile Glu Asn Glu
 965 970 975
 Asn Tyr Ala Val Ala Met Thr Glu Ala Pro Glu Ser Leu Arg Gln Phe
 980 985 990
 Ile Lys Gln Arg Ile Arg Trp Cys Phe Gly Val Met Gln Thr Phe Trp
 995 1000 1005
 Lys His Arg Ala Ser Leu Phe Ala Pro Ser Lys Gly Gly Phe Gly
 1010 1015 1020
 Met Trp Ala Met Pro Asn Met Leu Ile Phe Gln Tyr Ile Ile Pro
 1025 1030 1035
 Thr Phe Ser Pro Ile Ala Asp Val Leu Met Leu Phe Gly Leu Phe
 1040 1045 1050
 Ser Gly Asn Ala Ser Gln Ile Phe Ile Tyr Tyr Leu Ile Phe Leu
 1055 1060 1065
 Leu Val Asp Ala Ser Val Ser Ile Met Ala Tyr Ile Phe Glu His
 1070 1075 1080
 Glu Ser Leu Trp Val Leu Leu Trp Ile Ile Pro Gln Arg Phe Phe
 1085 1090 1095
 Tyr Arg Trp Ile Met Tyr Tyr Val Leu Phe Lys Ser Tyr Leu Lys
 1100 1105 1110

Ala Ile Lys Gly Glu Leu Gln Thr Trp Gly Val Leu Lys Arg Thr
 1115 1120 1125

Gly His Val Lys Gly Ala Gln Thr Ile Ser
 1130 1135

<210> 40
 <211> 508
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 40
 Met Ser Gln Ile Asn Gly Arg Ile Ser Gln Ile Ile Gly Pro Val Ile
 1 5 10 15

Asp Val Tyr Phe Asp Thr Lys Gly Glu Asn Pro Glu Lys Val Leu Pro
 20 25 30

Asn Ile Tyr Asp Ala Leu Arg Val Lys Lys Ala Asp Gly Gln Asp Leu
 35 40 45

Ile Ile Glu Val Gln Gln Gln Ile Gly Glu Asp Thr Val Arg Cys Val
 50 55 60

Ala Met Asp Asn Thr Asp Gly Leu Gln Arg Gly Leu Glu Val Val Pro
 65 70 75 80

Thr Gly Ser Pro Ile Val Met Pro Ala Gly Glu Gln Ile Lys Gly Arg
 85 90 95

Met Met Asn Val Ile Gly Gln Pro Ile Asp Gly Met Ser Ala Leu Gln
 100 105 110

Met Glu Gly Ala Tyr Pro Ile His Arg Glu Ala Pro Lys Phe Glu Asp
 115 120 125

Leu Ser Thr His Lys Glu Met Leu Gln Thr Gly Ile Lys Val Ile Asp
 130 135 140

Leu Leu Glu Pro Tyr Met Lys Gly Gly Lys Ile Gly Leu Phe Gly Gly
 145 150 155 160

Ala Gly Val Gly Lys Thr Val Leu Ile Met Glu Leu Ile Asn Asn Ile
 165 170 175

Ala Lys Gly His Asn Gly Tyr Ser Val Phe Ala Gly Val Gly Glu Arg
 180 185 190

Thr Arg Glu Gly Asn Asp Leu Ile Arg Asp Met Leu Glu Ser Gly Val
 195 200 205

Ile Arg Tyr Gly Glu Lys Phe Arg Lys Ala Met Asp Glu Gly Lys Trp
 210 215 220

Asp Leu Ser Leu Val Asp Ser Glu Glu Leu Gln Lys Ser Gln Ala Thr
 225 230 235 240

Leu Val Tyr Gly Gln Met Asn Glu Pro Pro Gly Ala Arg Ala Ser Val
 245 250 255

Ala Leu Ser Gly Leu Thr Val Ala Glu Glu Phe Arg Asp His Gly Gly
 260 265 270

Lys Asn Gly Glu Ala Ala Asp Ile Met Phe Phe Ile Asp Asn Ile Phe
 275 280 285

Arg Phe Thr Gln Ala Gly Ser Glu Val Ser Ala Leu Leu Gly Arg Met
 290 295 300

Pro Ser Ala Val Gly Tyr Gln Pro Thr Leu Ala Ser Glu Met Gly Ala
 305 310 315 320

Met Gln Glu Arg Ile Thr Ser Thr Lys His Gly Ser Ile Thr Ser Val
 325 330 335

Gln Ala Val Tyr Val Pro Ala Asp Asp Leu Thr Asp Pro Ala Pro Ala
340 345 350

Thr Thr Phe Thr His Leu Asp Ala Thr Thr Glu Leu Ser Arg Lys Ile
355 360 365

Thr Glu Leu Gly Ile Tyr Pro Ala Val Asp Pro Leu Gly Ser Thr Ser
370 375 380

Arg Ile Leu Asp Pro Leu Ile Val Gly Lys Glu His Tyr Asp Cys Ala
385 390 395 400

Gln Arg Val Lys Gln Leu Leu Gln Lys Tyr Asn Glu Leu Gln Asp Ile
405 410 415

Ile Ala Ile Leu Gly Met Asp Glu Leu Ser Asp Asp Asp Lys Leu Val
420 425 430

Val Asn Arg Ala Arg Arg Val Gln Arg Phe Leu Ser Gln Pro Phe Thr
435 440 445

Val Ala Glu Gln Phe Thr Gly Val Lys Gly Val Met Val Pro Ile Glu
450 455 460

Glu Thr Ile Lys Gly Phe Asn Ala Ile Leu Asn Gly Glu Val Asp Asp
465 470 475 480

Leu Pro Glu Gln Ala Phe Leu Asn Val Gly Thr Ile Glu Asp Val Lys
485 490 495

Glu Lys Ala Lys Gln Leu Leu Glu Ala Thr Lys Ala
500 505

<210> 41
<211> 984
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 41
Met Asn Pro Ile Tyr Lys Ile Ile Thr Ser Ile Leu Phe Cys Val Leu
1 5 10 15

Ser Ile Asn Thr Met Ala Gln Asp Leu Thr Gly His Val Thr Ser Lys
20 25 30

Ala Asp Asp Lys Pro Ile Ala Tyr Ala Thr Val Thr Leu Lys Glu Asn
35 40 45

Arg Leu Tyr Ala Phe Thr Asp Glu Lys Gly Asn Tyr Thr Ile Lys Asn
50 55 60

Val Pro Lys Gly Lys Tyr Thr Val Val Phe Ser Cys Met Gly Tyr Ala
65 70 75 80

Ser Gln Thr Val Val Val Met Val Asn Ala Gly Gly Ala Thr Gln Asn
85 90 95

Val Arg Leu Ala Glu Asp Asn Leu Gln Leu Asp Glu Val Gln Val Val
100 105 110

Ala His Arg Lys Lys Asp Glu Ile Thr Thr Ser Tyr Thr Ile Asp Arg
115 120 125

Lys Thr Leu Asp Asn Gln Gln Ile Met Thr Leu Ser Asp Ile Ala Gln
130 135 140

Leu Leu Pro Gly Gly Lys Ser Val Asn Pro Ser Leu Met Asn Asp Ser
145 150 155 160

Lys Leu Thr Leu Arg Ser Gly Thr Leu Glu Arg Gly Asn Ala Ser Phe
165 170 175

Gly Thr Ala Val Glu Val Asp Gly Ile Arg Leu Ser Asn Asn Ala Ala
180 185 190

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Met Gly Glu Thr Ala Gly Val Ser Thr Arg Ser Val Ser Ala Ser Asn
195 200 205

Ile Glu Ser Val Glu Val Val Pro Gly Ile Ala Ser Val Glu Tyr Gly
210 215 220

Asp Leu Thr Asn Gly Val Val Lys Val Lys Thr Arg Arg Gly Ser Ser
225 230 235 240

Pro Phe Ile Val Glu Gly Ser Ile Asn Gln His Thr Arg Gln Ile Ala
245 250 255

Leu His Lys Gly Val Asp Leu Gly Gly Asn Val Gly Leu Leu Asn Phe
260 265 270

Ser Ile Glu His Ala Arg Ser Phe Leu Asp Ala Ala Ser Pro Tyr Thr
275 280 285

Ala Tyr Gln Arg Asn Val Leu Ser Leu Arg Tyr Met Asn Val Phe Met
290 295 300

Lys Lys Ser Leu Pro Leu Thr Leu Glu Val Gly Leu Asn Gly Ser Ile
305 310 315 320

Gly Gly Tyr Asn Ser Lys Ala Asp Pro Asp Arg Ser Leu Asp Asp Tyr
325 330 335

Asn Lys Val Lys Asp Asn Asn Val Gly Gly Asn Ile His Leu Gly Trp
340 345 350

Leu Leu Asn Lys Arg Trp Ile Thr Asn Val Asp Leu Thr Ala Ala Phe
355 360 365

Thr Tyr Ala Asp Arg Leu Ser Glu Ser Tyr Thr Asn Glu Ser Ser Asn
370 375 380

Ala Thr Gln Pro Tyr Ile His Thr Leu Thr Glu Gly Tyr Asn Ile Ala
385 390 395 400

Glu Asp Tyr Asp Arg Asn Pro Ser Ala Asn Ile Ile Leu Gly Pro Thr
405 410 415

Gly Tyr Trp Tyr Leu Arg Gly Phe Asn Asp Ser Lys Pro Leu Asn Tyr
420 425 430

Ser Leu Lys Met Lys Ala Asn Trp Ser Lys Ala Phe Gly Lys Phe Arg
435 440 445

Asn Arg Leu Leu Val Gly Gly Glu Trp Thr Ser Ser Met Asn Arg Gly
450 455 460

Arg Gly Thr Tyr Tyr Ala Asp Met Arg Tyr Ala Pro Ser Trp Arg Glu
465 470 475 480

Tyr Arg Tyr Asp Ala Leu Pro Ser Leu Asn Asn Ile Ala Ile Tyr Ala
485 490 495

Glu Asp Lys Leu Ser Met Asp Val Asn Glu Arg Gln Asn Ala Glu Leu
500 505 510

Thr Ala Gly Ile Arg Glu Asp Ile Thr Ser Ile Pro Gly Ser Glu Tyr
515 520 525

Gly Ser Val Gly Ser Phe Ser Pro Arg Met Asn Ala Arg Tyr Val Phe
530 535 540

Arg Phe Gly Gln Asn Ser Trp Leu Asn Ser Met Thr Leu His Ala Gly
545 550 555 560

Trp Gly Arg Ser Val Lys Ile Pro Ser Phe Gln Val Leu Tyr Pro Ser
565 570 575

Pro Ser Tyr Arg Asp Met Leu Ala Phe Ala Ser Thr Ser Asp Ala Asp
580 585 590

Asn Arg Ser Tyr Tyr Ala Tyr Tyr Thr Tyr Pro Ser Met Ala Arg Tyr

595

600

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605

Asn Ala Asn Leu Lys Trp Gln Arg Ala Asp Gln Trp Asp Leu Gly Val
610 615 620

Glu Trp Arg Thr Lys Ile Ala Asp Val Ser Leu Ser Phe Phe Arg Ser
625 630 635 640

Lys Val Ser Asn Pro Tyr Met Ala Thr Asp Val Tyr Thr Pro Phe Thr
645 650 655

Tyr Lys Tyr Thr Ser Pro Ala Met Leu Gln Arg Ser Gly Ile Ala Val
660 665 670

Ala Asp Arg Arg Phe Ser Ile Asp Pro Gln Thr Gly Ile Val Thr Val
675 680 685

Ser Asp Ala Ser Gly Val Lys Ser Pro Val Thr Leu Gly Tyr Glu Glu
690 695 700

Arg Asn Thr Tyr Val Thr Asn Thr Arg Tyr Val Asn Ala Asp Ala Leu
705 710 715 720

Gln Arg Tyr Gly Leu Glu Trp Ile Val Asp Phe Lys Gln Ile Lys Thr
725 730 735

Leu Arg Thr Gln Val Arg Leu Asp Gly Lys Tyr Tyr His Tyr Lys Ala
740 745 750

Gln Asp Glu Thr Leu Phe Ala Asp Val Pro Val Gly Leu Asn Thr Arg
755 760 765

Gln Ser Asp Gly Arg Leu Tyr Gln Tyr Val Gly Tyr Tyr Arg Gly Gly
770 775 780

Ala Ala Thr Thr Thr Asn Tyr Thr Ala Asn Ala Ser Ala Ser Asn Gly
785 790 795 800

Ser Val Ser Gly Gln Val Asp Leu Asn Ala Thr Ile Thr Thr His Ile
805 810 815

Pro Lys Ile Arg Leu Ile Val Ala Leu Arg Leu Glu Ser Ser Leu Tyr
820 825 830

Ala Phe Ser Arg Ala Thr Ser Ser Arg Gly Tyr Val Val Ser Ser Gly
835 840 845

Asn Glu Tyr Phe Gly Val Pro Tyr Asp Asp Lys Thr Glu Asn Gln Thr
850 855 860

Val Ile Val Tyr Pro Glu Tyr Tyr Ser Thr Trp Asp Ala Pro Asp Val
865 870 875 880

Leu Ile Pro Phe Ala Glu Lys Leu Arg Trp Ala Glu Thr Asn Asp Arg
885 890 895

Gly Leu Phe Asn Asp Leu Ala Gln Leu Val Val Arg Thr Asn Tyr Pro
900 905 910

Tyr Thr Leu Asn Pro Asn Arg Leu Ser Ala Tyr Trp Ser Ala Asn Leu
915 920 925

Ser Val Thr Lys Glu Ile Gly Arg His Val Ser Val Ser Phe Tyr Ala
930 935 940

Asn Asn Phe Phe Asn Thr Leu Ser Gln Val His Ser Thr Gln Thr Gly
945 950 955 960

Leu Glu Thr Ser Leu Phe Gly Ser Gly Tyr Val Pro Ser Phe Tyr Tyr
965 970 975

Gly Leu Ser Leu Arg Leu Lys Ile
980

<210> 42
<211> 273
<212> PRT
<213> Desconocido

<220>

<221> fuente

<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 42

Met Glu Arg Ile Asp Ile Ser Val Leu Met Ala Val Tyr Lys Lys Asp
1 5 10 15Asn Pro Ala Phe Leu Arg Glu Ser Leu Glu Ser Ile Phe Ser Gln Thr
20 25 30Val Glu Ala Ala Glu Val Val Leu Leu Glu Asp Gly Pro Leu Thr Asp
35 40 45Ala Leu Tyr Asp Val Ile Lys Ser Tyr Glu Ala Ile Tyr Ser Thr Leu
50 55 60Lys Val Val Ser Tyr Pro Glu Asn Arg Gly Leu Gly Lys Thr Leu Asn
65 70 75 80Asp Gly Leu Leu Leu Cys Lys Tyr Asn Leu Val Ala Arg Met Asp Ala
85 90 95Asp Asp Ile Cys Lys Pro Asn Arg Leu Glu Met Glu Tyr Asn Trp Leu
100 105 110Lys Ser His Glu Asp Tyr Asp Val Ile Gly Ser Trp Val Asp Glu Phe
115 120 125Thr Asp Asn Lys Thr Arg Val Lys Ser Ile Arg Lys Val Pro Glu Ala
130 135 140Tyr Asp Glu Ile Lys Asn Tyr Ala Gln Tyr Arg Cys Pro Ile Asn His
145 150 155 160Pro Thr Ala Met Tyr Arg Lys Ala Ala Val Leu Ala Val Gly Gly Tyr
165 170 175Leu Thr Glu Tyr Phe Pro Glu Asp Tyr Phe Leu Trp Leu Arg Met Leu
180 185 190Asn Asn Gly Ser Lys Phe Tyr Asn Ile Gln Glu Ser Leu Leu Trp Phe
195 200 205Arg Tyr Ser Glu Glu Thr Val Ala Lys Arg Gly Gly Trp Ala Tyr Ala
210 215 220Cys Asp Glu Val Arg Ile Leu Val Arg Met Leu Lys Met Gly Tyr Ile
225 230 235 240Pro Phe His Val Phe Cys Gln Ser Val Val Ile Arg Phe Thr Thr Arg
245 250 255Val Met Pro Leu Pro Ile Arg Gln Arg Leu Tyr Asn Leu Ile Arg Lys
260 265 270

Thr

<210> 43

<211> 507

<212> PRT

<213> Desconocido

<220>

<221> fuente

<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 43

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

Ile Ile Glu Val Gln Gln His Ile Gly Glu Asp Thr Val Arg Cys Val

50 55
 Ala Met Asp Asn Thr Asp Gly Leu Gln Arg Asn Leu Glu Val Val Pro
 65 70 75 80
 Thr Gly Ser Pro Ile Val Met Pro Ala Gly Asp Gln Ile Lys Gly Arg
 85 90 95
 Met Met Asn Val Ile Gly Gln Pro Ile Asp Gly Met Glu Ala Leu Ser
 100 105 110
 Met Glu Gly Ala Tyr Pro Ile His Arg Glu Ala Pro Lys Phe Glu Asp
 115 120 125
 Leu Ser Thr His Lys Glu Met Leu Gln Thr Gly Ile Lys Val Ile Asp
 130 135 140
 Leu Leu Glu Pro Tyr Met Lys Gly Gly Lys Ile Gly Leu Phe Gly Gly
 145 150 155 160
 Ala Gly Val Gly Lys Thr Val Leu Ile Met Glu Leu Ile Asn Asn Ile
 165 170 175
 Ala Lys Gly His Asn Gly Tyr Ser Val Phe Ala Gly Val Gly Glu Arg
 180 185 190
 Thr Arg Glu Gly Asn Asp Leu Ile Arg Asp Met Leu Glu Ser Gly Val
 195 200 205
 Ile Arg Tyr Gly Glu Lys Phe Arg Lys Ala Met Asp Glu Gly Lys Trp
 210 215 220
 Asp Leu Ser Leu Val Asp Gln Glu Glu Leu Gln Lys Ser Gln Ala Thr
 225 230 235 240
 Leu Val Tyr Gly Gln Met Asn Glu Pro Pro Gly Ala Arg Ala Ser Val
 245 250 255
 Ala Leu Ser Gly Leu Thr Val Ala Glu Glu Phe Arg Asp His Gly Gly
 260 265 270
 Lys Asn Gly Glu Ala Ala Asp Ile Met Phe Phe Ile Asp Asn Ile Phe
 275 280 285
 Arg Phe Thr Gln Ala Gly Ser Glu Val Ser Ala Leu Leu Gly Arg Met
 290 295 300
 Pro Ser Ala Val Gly Tyr Gln Pro Thr Leu Ala Ser Glu Met Gly Thr
 305 310 315 320
 Met Gln Glu Arg Ile Thr Ser Thr Lys His Gly Ser Ile Thr Ser Val
 325 330 335
 Gln Ala Val Tyr Val Pro Ala Asp Asp Leu Thr Asp Pro Ala Pro Ala
 340 345 350
 Thr Thr Phe Thr His Leu Asp Ala Thr Thr Glu Leu Ser Arg Lys Ile
 355 360 365
 Thr Glu Leu Gly Ile Tyr Pro Ala Val Asp Pro Leu Gly Ser Thr Ser
 370 375 380
 Arg Ile Leu Asp Pro Leu Ile Val Gly Lys Asp His Tyr Glu Cys Ala
 385 390 395 400
 Gln Arg Val Lys Gln Leu Leu Gln His Tyr Asn Glu Leu Gln Asp Ile
 405 410 415
 Ile Ala Ile Leu Gly Met Asp Glu Leu Ser Asp Glu Asp Lys Leu Val
 420 425 430
 Val Asn Arg Ala Arg Arg Val Gln Arg Phe Leu Ser Gln Pro Phe Thr
 435 440 445
 Val Ala Glu Gln Phe Thr Gly Val Lys Gly Val Met Val Pro Ile Glu
 450 455 460

Glu Thr Ile Lys Gly Phe Asn Ala Ile Leu Asn Gly Glu Val Asp Asp
 465 470 475 480

Leu Pro Glu Gln Ala Phe Leu Asn Val Gly Thr Ile Glu Asp Val Lys
 485 490 495

Glu Lys Ala Lys Arg Leu Leu Glu Ala Thr Lys
 500 505

<210> 44
 <211> 268
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 44
 Met Pro Ile Gly Asn Gly Gln Lys Tyr Gln Leu Thr Ile Ile Asn His
 1 5 10 15

Thr Glu Ile Ile Met Leu Ile Asp Tyr Lys Lys Val Asn Ile Tyr Gln
 20 25 30

Asp Glu Arg Leu Ile Leu Lys Asp Val Asp Phe Gln Ala Glu Thr Gly
 35 40 45

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

Leu Lys Thr Ile Tyr Gly Glu Leu Asp Ile Asp Ser Glu Asp Ala Glu
 65 70 75 80

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

Ile Pro Ala Leu Arg Lys Gln Met Gly Ile Ile Phe Gln Asp Phe Gln
 100 105 110

Leu Leu His Asp Arg Ser Val Ala Lys Asn Leu Lys Phe Val Leu Gln
 115 120 125

Ala Thr Gly Trp Thr Ser Lys Gln Lys Ile Glu Arg Arg Ile Glu Glu
 130 135 140

Val Leu Ala Gln Val Gly Met Thr Asp Lys Lys Asn Lys Met Pro Ser
 145 150 155 160

Glu Leu Ser Gly Gly Glu Gln Gln Arg Ile Ala Ile Ala Arg Ala Leu
 165 170 175

Leu Asn Thr Pro Lys Ile Ile Ile Ala Asp Glu Pro Thr Gly Asn Leu
 180 185 190

Asp Pro Glu Thr Ala Ala Asn Ile Val Ser Ile Leu Lys Asp Ser Cys
 195 200 205

Gln Ala Gly Thr Thr Val Ile Met Ser Thr His Asn Ile Asn Leu Ile
 210 215 220

Asp Gln Phe Pro Gly Lys Val Tyr Arg Cys His Glu Gly Glu Leu His
 225 230 235 240

Gln Leu Thr Asp Lys Lys Glu Val Ser Glu Leu Ala Glu Glu Thr Ala
 245 250 255

Pro Val Glu Thr Ile Asp Glu Pro Glu Gln Asn Asp
 260 265

<210> 45
 <211> 336
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 45
 Met Lys Arg Asn Ile Leu Leu Phe Ile Cys Leu Ala Thr Ser Ile Leu
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1 5 10 15
 Leu Leu Phe Gly Leu Asn Leu Thr Thr Gly Ser Val Gln Ile Pro Phe
 20 25 30
 Ala Asp Ile Leu Asp Ile Leu Cys Gly Arg Phe Ile Gly Lys Glu Ser
 35 40 45
 Trp Glu Tyr Ile Ile Leu Glu Asn Arg Leu Pro Gln Thr Leu Thr Ala
 50 55 60
 Ile Leu Cys Gly Ala Ser Leu Ser Val Cys Gly Leu Met Leu Gln Thr
 65 70 75 80
 Ala Phe Arg Asn Pro Leu Ala Gly Pro Asp Val Phe Gly Ile Ser Ser
 85 90 95
 Gly Ala Gly Leu Gly Val Ala Leu Val Met Leu Leu Leu Gly Gly Thr
 100 105 110
 Val Ser Thr Ser Ile Phe Thr Val Ser Gly Phe Leu Ala Ile Leu Thr
 115 120 125
 Ala Ala Phe Val Gly Ala Ile Ala Val Thr Ala Leu Ile Leu Phe Leu
 130 135 140
 Ser Thr Leu Val Arg Asn Ser Val Leu Leu Leu Ile Val Gly Ile Met
 145 150 155 160
 Val Gly Tyr Val Ser Ser Ser Ala Val Ser Leu Leu Asn Phe Phe Ala
 165 170 175
 Ser Glu Glu Gly Val Lys Ser Tyr Met Val Trp Gly Met Gly Asn Phe
 180 185 190
 Gly Ala Val Ser Met Asn His Ile Pro Leu Phe Ser Ile Leu Cys Leu
 195 200 205
 Ile Gly Ile Ile Ala Ser Phe Leu Leu Val Lys Pro Leu Asn Ile Leu
 210 215 220
 Leu Leu Gly Pro Gln Tyr Ala Glu Ser Leu Gly Ile Ser Thr Arg Gln
 225 230 235 240
 Ile Arg Asn Ile Leu Leu Val Val Val Gly Leu Leu Thr Ala Ile Thr
 245 250 255
 Thr Ala Phe Cys Gly Pro Ile Ser Phe Ile Gly Leu Ala Ile Pro His
 260 265 270
 Ile Ala Arg Leu Leu Phe Arg Thr Glu Asn His Gln Ile Leu Leu Pro
 275 280 285
 Gly Ile Val Leu Ser Gly Ala Ala Ile Ala Leu Leu Cys Asn Phe Ile
 290 295 300
 Cys Tyr Leu Pro Gly Glu Ser Gly Ile Ile Pro Leu Asn Ala Val Thr
 305 310 315 320
 Pro Leu Ile Gly Ala Pro Ile Ile Ile Tyr Val Ile Ile Gln Arg Arg
 325 330 335

<210> 46
 <211> 408
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 46
 Met Lys Lys Tyr Tyr Pro Trp Val Leu Val Ala Leu Leu Trp Phe Val
 1 5 10 15

Ala Leu Leu Asn Tyr Met Asp Arg Gln Met Leu Ser Thr Met Gln Glu
 20 25 30

Ala Met Lys Val Asp Ile Ala Glu Leu Asn His Ala Glu Ala Phe Gly
 Página 53

35

40

45

Ala Leu Met Ala Val Phe Leu Trp Ile Tyr Gly Ile Val Ser Pro Phe
50 55 60

Ala Gly Ile Ile Ala Asp Arg Val Asn Arg Lys Trp Leu Val Val Gly
65 70 75 80

Ser Ile Phe Val Trp Ser Ala Val Thr Tyr Leu Met Gly Tyr Ala Glu
85 90 95

Ser Phe Asp Gln Leu Tyr Trp Leu Arg Ala Phe Met Gly Ile Ser Glu
100 105 110

Ala Leu Tyr Ile Pro Ala Ala Leu Ser Leu Ile Ala Asp Trp His Glu
115 120 125

Gly Lys Ser Arg Ser Leu Ala Ile Gly Ile His Met Thr Gly Leu Tyr
130 135 140

Val Gly Gln Ala Val Gly Gly Phe Gly Ala Thr Leu Ala Ala Met Phe
145 150 155 160

Ser Trp His Ala Ala Phe His Trp Phe Gly Ile Ile Gly Ile Val Tyr
165 170 175

Ser Leu Val Leu Leu Leu Phe Leu Lys Glu Asn Pro Lys His Gly Gln
180 185 190

Lys Ser Val Leu Gln Gly Glu Thr Lys Pro Ser Lys Asn Pro Phe Arg
195 200 205

Gly Leu Ser Ile Val Phe Ser Thr Trp Ala Phe Trp Val Ile Leu Phe
210 215 220

Tyr Phe Ala Val Pro Ser Leu Pro Gly Trp Ala Thr Lys Asn Trp Leu
225 230 235 240

Pro Thr Leu Phe Ala Asn Ser Leu Asp Ile Pro Met Ser Ser Ala Gly
245 250 255

Pro Met Ser Thr Ile Thr Ile Ala Val Ser Ser Phe Ile Gly Val Ile
260 265 270

Met Gly Gly Val Ile Ser Asp Arg Trp Val Gln Arg Asn Leu Arg Gly
275 280 285

Arg Val Tyr Thr Ser Ala Ile Gly Leu Gly Leu Thr Val Pro Ala Leu
290 295 300

Met Leu Leu Gly Phe Gly His Ser Leu Val Ser Val Val Gly Ala Gly
305 310 315 320

Leu Cys Phe Gly Ile Gly Tyr Gly Met Phe Asp Ala Asn Asn Met Pro
325 330 335

Ile Leu Cys Gln Phe Ile Ser Ser Lys Tyr Arg Ser Thr Ala Tyr Gly
340 345 350

Ile Met Asn Met Thr Gly Val Phe Ala Gly Ala Ala Val Thr Gln Val
355 360 365

Leu Gly Lys Trp Thr Asp Gly Gly Asn Leu Gly Asn Gly Phe Ala Ile
370 375 380

Leu Gly Gly Ile Val Val Leu Ala Leu Val Leu Gln Leu Ser Cys Leu
385 390 395 400

Lys Pro Thr Thr Asp Asn Met Glu
405

<210> 47
<211> 694
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:"

<400> 47
Met Val Thr Lys Lys Thr Thr Thr Lys Lys Ala Pro Val Lys Lys Thr
1 5 10 15
Ser Ala Lys Thr Thr Lys Val Lys Glu Pro Ser His Ile Gly Leu Val
20 25 30
Lys Asn Asp Ala Tyr Leu Ala Pro Tyr Glu Asp Ala Ile Arg Gly Arg
35 40 45
His Glu His Ala Leu Trp Lys Met Asn Gln Leu Thr Gln Asn Gly Lys
50 55 60
Leu Thr Leu Ser Asp Phe Ala Asn Gly His Asn Tyr Tyr Gly Leu His
65 70 75 80
Gln Thr Ala Asp Gly Trp Val Phe Arg Glu Trp Ala Pro Asn Ala Thr
85 90 95
Glu Ile Tyr Leu Val Gly Asp Phe Asn Gly Trp Asn Glu Gln Glu Ala
100 105 110
Tyr Gln Cys His Arg Ile Glu Gly Thr Gly Asn Trp Glu Leu Thr Leu
115 120 125
Pro His Asp Ala Met Gln His Gly Gln Tyr Tyr Lys Met Arg Val His
130 135 140
Trp Glu Gly Gly Glu Gly Glu Arg Ile Pro Ala Trp Thr Gln Arg Val
145 150 155 160
Val Gln Asp Glu Ala Ser Lys Ile Phe Ser Ala Gln Val Trp Ala Pro
165 170 175
Ala Glu Pro Tyr Val Trp Glu Lys Lys Thr Phe Lys Pro Gln Thr Ser
180 185 190
Pro Leu Leu Ile Tyr Glu Cys His Ile Gly Met Ala Gln Asp Glu Glu
195 200 205
Lys Val Gly Thr Tyr Asn Glu Phe Arg Glu Lys Val Leu Pro Arg Ile
210 215 220
Ile Lys Asp Gly Tyr Asn Ala Ile Gln Ile Met Ala Ile Gln Glu His
225 230 235 240
Pro Tyr Tyr Gly Ser Phe Gly Tyr His Val Ser Ser Phe Phe Ala Ala
245 250 255
Ser Ser Arg Phe Gly Thr Pro Glu Glu Leu Lys Ala Leu Ile Asp Glu
260 265 270
Ala His Lys Asn Gly Ile Ala Val Ile Met Asp Ile Val His Ser His
275 280 285
Ala Val Lys Asn Glu Val Glu Gly Leu Gly Asn Leu Ala Gly Asp Pro
290 295 300
Asn Gln Tyr Phe Tyr Pro Gly Glu Arg His Glu His Pro Ala Trp Asp
305 310 315 320
Ser Leu Cys Phe Asp Tyr Gly Lys Asp Glu Val Leu His Phe Leu Leu
325 330 335
Ser Asn Cys Lys Tyr Trp Leu Glu Glu Tyr His Phe Asp Gly Phe Arg
340 345 350
Phe Asp Gly Val Thr Ser Met Leu Tyr Tyr Ser His Gly Leu Gly Glu
355 360 365
Ala Phe Cys Asn Tyr Ala Asp Tyr Phe Asn Gly His Gln Asp Asp Asn
370 375 380
Ala Ile Cys Tyr Leu Thr Leu Ala Asn Cys Leu Ile His Glu Val Asn
385 390 395 400

Lys Asn Ala Val Thr Ile Ala Glu Glu Val Ser Gly Met Pro Gly Leu
 405 410 415
 Ala Ala Lys Phe Lys Asp Gly Gly Tyr Gly Phe Asp Tyr Arg Met Ala
 420 425 430
 Met Asn Ile Pro Asp Tyr Trp Ile Lys Thr Ile Lys Glu Leu Pro Asp
 435 440 445
 Glu Ala Trp Lys Pro Ser Ser Ile Phe Trp Glu Ile Lys Asn Arg Arg
 450 455 460
 Ser Asp Glu Lys Thr Ile Ser Tyr Cys Glu Ser His Asp Gln Ala Leu
 465 470 475 480
 Val Gly Asp Lys Thr Ile Ile Phe Arg Leu Val Asp Ala Asp Met Tyr
 485 490 495
 Trp His Phe Arg Lys Gly Asp Glu Thr Glu Met Thr His Arg Gly Ile
 500 505 510
 Ala Leu His Lys Met Ile Arg Leu Ala Thr Ile Ala Ala Ile Asn Gly
 515 520 525
 Gly Tyr Leu Asn Phe Met Gly Asn Glu Phe Gly His Pro Glu Trp Ile
 530 535 540
 Asp Phe Pro Arg Glu Gly Asn Gly Trp Ser His Lys Tyr Ala Arg Arg
 545 550 555 560
 Gln Trp Asn Leu Val Asp Asn Glu Glu Leu Cys Tyr His Leu Leu Gly
 565 570 575
 Asp Phe Asp Arg Lys Met Leu Glu Val Ile Thr Ser Glu Lys Lys Phe
 580 585 590
 Asn Glu Thr Pro Ile Gln Glu Ile Trp His Asn Asp Gly Asp Gln Ile
 595 600 605
 Leu Ala Phe Ser Arg Gly Glu Leu Val Phe Val Phe Asn Phe Ser Pro
 610 615 620
 Ser His Ser Tyr Ser Asp Tyr Gly Phe Leu Val Pro Glu Gly Ser Tyr
 625 630 635 640
 Asn Val Val Leu Asn Thr Asp Ala Arg Glu Phe Gly Gly Phe Gly Phe
 645 650 655
 Ala Asp Asp Thr Val Glu His Phe Thr Asn Ser Asp Pro Leu Tyr Glu
 660 665 670
 Lys Asp His Lys Gly Trp Leu Lys Leu Tyr Ile Pro Ala Arg Ser Ala
 675 680 685
 Val Val Leu Arg Lys Lys
 690

<210> 48
 <211> 448
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 48
 Met Lys Ile Asp Ile Glu Arg Ile Lys Tyr Phe Leu Thr Val Gly Met
 1 5 10 15
 Phe Met Lys Thr Glu His Ser Ser Lys Arg Arg Asn Met Leu Ile Arg
 20 25 30
 Gln Phe Gln Lys Phe Tyr Leu Thr Val Lys Phe Phe Phe Val Arg Asp
 35 40 45
 His Ala Ala Ser Thr Ala Gln Leu Ser Phe Ser Thr Ile Met Ala Ile
 50 55 60

Val Pro Ile Ala Ser Met Ile Phe Ala Ile Ala Asn Gly Phe Gly Phe
 65 70 75 80
 Gly Gln Phe Leu Glu Lys Gln Phe Arg Glu Met Leu Ser Ala Gln Pro
 85 90 95
 Glu Ala Ala Thr Trp Leu Leu Lys Leu Thr Gln Ser Tyr Leu Val His
 100 105 110
 Ala Lys Thr Gly Leu Phe Ile Gly Ile Gly Leu Met Ile Met Leu Tyr
 115 120 125
 Ser Val Phe Ser Leu Ile Arg Thr Val Glu Thr Thr Phe Asp Asn Ile
 130 135 140
 Trp Gln Val Lys Asp Ser Arg Pro Ile Ser Arg Ile Val Ile Asp Tyr
 145 150 155 160
 Thr Ala Leu Met Phe Leu Val Pro Ile Ser Ile Ile Ile Leu Ser Gly
 165 170 175
 Leu Ser Ile Tyr Phe Tyr Ser Phe Val Glu Asn Leu Asn Gly Leu Arg
 180 185 190
 Phe Leu Gly Thr Ile Ala Ser Phe Ser Leu Arg Tyr Leu Val Pro Trp
 195 200 205
 Ala Ile Leu Thr Leu Met Phe Ile Val Leu Tyr Val Phe Met Pro Asn
 210 215 220
 Ala Lys Val Lys Ile Thr Lys Thr Val Ala Pro Ala Met Ile Ala Ser
 225 230 235 240
 Ile Ala Met Leu Cys Leu Gln Ala Val Tyr Ile His Gly Gln Ile Phe
 245 250 255
 Leu Thr Ser Tyr Asn Ala Ile Tyr Gly Ser Phe Ala Ala Leu Pro Leu
 260 265 270
 Phe Met Leu Trp Ile Leu Ala Ser Trp Tyr Ile Cys Leu Phe Cys Ala
 275 280 285
 Glu Leu Cys Tyr Phe Asn Gln Asn Leu Glu Tyr Tyr Glu Cys Leu Ile
 290 295 300
 Asp Thr Glu Asp Ile Cys His Asn Asp Leu Leu Ile Leu Cys Ala Thr
 305 310 315 320
 Val Leu Ser His Ile Cys Gln Arg Phe Ala Asn Asp Gln Lys Pro Gln
 325 330 335
 Thr Ala Leu Gln Ile Lys Thr Glu Thr His Ile Pro Ile Arg Val Met
 340 345 350
 Thr Asp Ile Leu Tyr Arg Leu Lys Glu Val Asn Leu Ile Ser Glu Asn
 355 360 365
 Phe Ser Pro Thr Ser Asp Glu Val Thr Tyr Thr Pro Thr His Asp Thr
 370 375 380
 Asn Asn Ile Thr Val Gly Glu Met Ile Ala Arg Leu Glu Ser Thr Pro
 385 390 395 400
 Ala Ser Asp Phe Ala Leu Leu Gly Phe Ser Pro Lys Lys Ala Trp Asn
 405 410 415
 His Asp Ile Tyr Asp Arg Val Gly Ser Ile Arg Glu Ile Tyr Leu Asn
 420 425 430
 Glu Leu Lys Ser Ile Asn Ile Lys Glu Leu Ile Ser Tyr Ser Glu Asn
 435 440 445

<210> 49
 <211> 326
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente

<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 49

Met Met Lys Arg Pro Ser Ile Ala Arg Val Val Lys Val Ile Ile Cys
1 5 10 15

Leu Leu Thr Pro Ile Leu Leu Ser Phe Ser Gly Ile Gly Asp Asn Asp
20 25 30

Ile Asp Lys Lys Lys Ser Thr Ser Lys Glu Val Asp Asp Thr Leu Arg
35 40 45

Ile Val Ile Thr Gly Asp Leu Leu Leu Asp Arg Gly Val Arg Gln Lys
50 55 60

Ile Asp Met Ala Gly Val Asp Ala Leu Phe Ser Pro Thr Ile Asp Ser
65 70 75 80

Leu Phe His Ser Ser Asn Tyr Val Ile Ala Asn Leu Glu Cys Pro Val
85 90 95

Thr Lys Ile Arg Glu Arg Val Phe Lys Arg Phe Ile Phe Arg Gly Glu
100 105 110

Pro Glu Trp Leu Pro Thr Leu Arg Arg His Gly Ile Thr His Leu Asn
115 120 125

Leu Ala Asn Asn His Ser Ile Asp Gln Gly Arg Asn Gly Leu Leu Asp
130 135 140

Thr Gln Glu Gln Ile Lys Lys Ala Gly Met Ile Pro Ile Gly Ala Gly
145 150 155 160

Lys Asn Met Glu Glu Ala Ala Glu Pro Val Leu Ile Ser Thr Ser Pro
165 170 175

Arg His Val Trp Val Ile Ser Ser Leu Arg Leu Pro Leu Glu Asn Phe
180 185 190

Leu Tyr Leu Pro Gln Lys Pro Cys Val Ser Gln Glu Ser Ile Asp Ser
195 200 205

Leu Ile Met Arg Val Lys Arg Leu Arg Ala Thr Asp Lys Asn Cys Tyr
210 215 220

Ile Leu Leu Ile Leu His Trp Gly Trp Glu His His Phe Arg Ala Thr
225 230 235 240

Pro Gln Gln Arg Glu Asp Ala His Lys Leu Ile Asp Ala Gly Ala Asp
245 250 255

Ala Ile Val Gly His His Ser His Thr Leu Gln Thr Ile Glu Thr Tyr
260 265 270

Arg Gly Lys Pro Ile Tyr Tyr Gly Ile Gly Asn Phe Ile Phe Asp Gln
275 280 285

Arg Lys Pro Met Asn Ser Arg Ala Cys Leu Val Glu Leu Ser Ile Thr
290 295 300

Ala Glu Lys Cys Lys Ala Lys Ala Leu Pro Ile Glu Ile Lys Asn Cys
305 310 315 320

Thr Pro Tyr Leu Ser Lys
325

<210> 50

<211> 259

<212> PRT

<213> Desconocido

<220>

<221> fuente

<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 50

Met Ile Leu Leu Ser Phe Asp Thr Glu Glu Phe Asp Val Pro Arg Glu
1 5 10 15

His Gly Val Asp Phe Ser Leu Glu Glu Gly Met Lys Val Ser Ile Glu
 20 25 30
 Gly Thr Asn Arg Ile Leu Asp Ile Leu Lys Ala Asn Asn Val Cys Ala
 35 40 45
 Thr Phe Phe Cys Thr Gly Asn Phe Ala Glu Leu Ala Pro Glu Val Met
 50 55 60
 Glu Arg Ile Lys Asn Glu Gly His Glu Val Ala Cys His Gly Val Asp
 65 70 75 80
 His Trp Gln Pro Lys Pro Glu Asp Val Phe Arg Ser Lys Glu Ile Ile
 85 90 95
 Glu Arg Val Thr Gly Val Lys Val Ala Gly Tyr Arg Gln Pro Arg Met
 100 105 110
 Phe Pro Val Ser Asp Glu Asp Ile Glu Lys Ala Gly Tyr Leu Tyr Asn
 115 120 125
 Ser Ser Leu Asn Pro Ala Phe Ile Pro Gly Arg Tyr Met His Leu Thr
 130 135 140
 Thr Ser Arg Thr Trp Phe Met Gln Gly Lys Val Met Gln Ile Pro Ala
 145 150 155 160
 Ser Val Ser Pro His Leu Arg Ile Pro Leu Phe Trp Leu Ser Met His
 165 170 175
 Asn Phe Pro Glu Trp Phe Tyr Leu Arg Leu Val Arg Gln Val Leu Arg
 180 185 190
 His Asp Gly Tyr Phe Val Thr Tyr Phe His Pro Trp Glu Phe Tyr Asp
 195 200 205
 Leu Lys Ser His Pro Glu Phe Lys Met Pro Phe Ile Ile Lys Asn His
 210 215 220
 Ser Gly His Glu Leu Glu Gln Arg Leu Asp Arg Phe Ile Lys Ala Met
 225 230 235 240
 Lys Ala Asp Lys Gln Glu Phe Ile Thr Tyr Val Asp Phe Val Asn Arg
 245 250 255

Gln Lys Lys

<210> 51
 <211> 252
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 51
 Met Ala Lys Asn Ile Ser Phe Thr Ile Lys Tyr Trp Lys Gln Asn Gly
 1 5 10 15
 Pro Gln Asp Gln Gly His Phe Asp Thr His Glu Met Lys Asn Ile Pro
 20 25 30
 Asp Asp Thr Ser Phe Leu Glu Met Leu Asp Ile Leu Asn Glu Glu Leu
 35 40 45
 Ile Ala Ala Gly Asp Glu Pro Phe Val Phe Asp His Asp Cys Arg Glu
 50 55 60
 Gly Ile Cys Gly Met Cys Ser Leu Tyr Ile Asn Gly Thr Pro His Gly
 65 70 75 80
 Lys Thr Glu Arg Gly Ala Thr Thr Cys Gln Leu Tyr Met Arg Arg Phe
 85 90 95
 Asn Asp Gly Asp Val Ile Thr Val Glu Pro Trp Arg Ser Ala Gly Phe
 100 105 110

Pro Val Ile Lys Asp Cys Met Val Asp Arg Thr Ala Phe Asp Lys Ile
 115 120 125

Ile Gln Ala Gly Gly Tyr Thr Thr Ile Arg Thr Gly Gln Ala Gln Asp
 130 135 140

Ala Asn Ala Ile Leu Ile Ser Lys Asp Asn Ala Asp Glu Ala Met Asp
 145 150 155 160

Cys Ala Thr Cys Ile Gly Cys Gly Ala Cys Val Ala Ala Cys Lys Asn
 165 170 175

Gly Ser Ala Met Leu Phe Val Ser Ser Lys Val Ser Gln Leu Ala Leu
 180 185 190

Leu Pro Gln Gly Lys Pro Glu Ala Ala Lys Arg Ala Lys Ala Met Val
 195 200 205

Ala Lys Met Asp Glu Val Gly Phe Gly Asn Cys Thr Asn Thr Arg Ala
 210 215 220

Cys Glu Ala Val Cys Pro Lys Asn Glu Lys Ile Ala Asn Ile Ala Arg
 225 230 235 240

Leu Asn Arg Glu Phe Ile Lys Ala Lys Phe Ala Asp
 245 250

<210> 52
 <211> 398
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 52
 Met Ser Glu Asn Lys Leu Ser Thr Asn Glu Gln Ala Gln Thr Ala Asp
 1 5 10 15

Ala Pro Val Lys Ala Ser Tyr Thr Glu Tyr Lys Val Ile Pro Ser Gln
 20 25 30

Gly Tyr Cys Met Ile Val Lys Cys Arg Lys Gly Asp Gln Thr Val Val
 35 40 45

Leu Lys Thr Leu Lys Glu Glu Tyr Arg Glu Arg Val Leu Leu Arg Asn
 50 55 60

Ala Leu Lys Arg Glu Phe Lys Gln Cys Gln Arg Leu Asn His Ser Gly
 65 70 75 80

Ile Val Arg Tyr Gln Gly Leu Val Glu Val Asp Gly Tyr Gly Leu Cys
 85 90 95

Ile Glu Glu Glu Tyr Val Glu Gly Arg Thr Leu Gln Ala Tyr Leu Lys
 100 105 110

Glu Asn His Thr Asp Asp Glu Lys Ile Ala Ile Ile Asn Gln Ile Ala
 115 120 125

Asp Ala Leu Arg Tyr Ala His Gln Gln Gly Val Ile His Arg Asn Leu
 130 135 140

Lys Pro Ser Asn Val Leu Val Thr Thr Gln Gly Asp Tyr Val Lys Leu
 145 150 155 160

Ile Asp Phe Ser Val Leu Ser Pro Glu Asp Val Lys Pro Thr Ala Glu
 165 170 175

Thr Thr Arg Phe Met Ala Pro Glu Met Lys Asp Glu Thr Leu Thr Ala
 180 185 190

Asp Ala Thr Ala Asp Ile Tyr Ser Leu Gly Thr Ile Met Lys Val Met
 195 200 205

Gly Leu Thr Leu Ala Tyr Ser Glu Val Ile Lys Arg Cys Cys Ala Phe
 210 215 220

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Lys Arg Ser Asp Arg Tyr Ser Asn Val Asp Glu Leu Leu Ala Asp Leu
225 230 235 240

Asn Asn Glu Gly Ser Ser Phe Ser Met Pro Lys Ile Gly Lys Gly Thr
245 250 255

Val Val Leu Gly Leu Ile Ile Ala Val Val Ile Gly Ile Gly Ala Leu
260 265 270

Leu Tyr Asn Tyr Gly Gly Ala Leu Ile Asp Gln Val Gly Lys Ile Asp
275 280 285

Val Ser Ser Val Phe Ser Ser Asp Ala Glu Thr Ala Pro Glu Asp Thr
290 295 300

Val Lys Val Asn Thr Ala Glu Gln Ser Asp Ser Leu Ser Thr Glu Ala
305 310 315 320

Glu Ala Pro Ala Ile Gly Lys Leu Ala Phe Met Asn Arg Met Lys Pro
325 330 335

Ala Leu Tyr Lys Asp Leu Asp Asn Ile Phe Glu Lys Asn Ser Ala Asp
340 345 350

Lys Ala Lys Leu Thr Lys Ala Ile Lys Thr Tyr Tyr Arg Gly Leu Ile
355 360 365

Gln Ala Asn Asp Thr Leu Asp Asn Glu Gln Arg Ala Glu Val Asp Arg
370 375 380

Val Phe Gly Asp Tyr Val Lys Gln Lys Lys Ala Ala Leu Asn
385 390 395

<210> 53
<211> 522
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 53
Met Arg Lys Tyr Ile Cys Leu Leu Leu Phe Tyr Leu Phe Thr Phe Leu
1 5 10 15

Pro Leu Ser Ala Gln Gln Gly Asn Asp Ser Pro Leu Arg Lys Leu Gln
20 25 30

Leu Ala Glu Met Ala Ile Lys Asn Phe Tyr Val Asp Ser Val Asn Glu
35 40 45

Gln Lys Leu Val Glu Asp Gly Ile Arg Gly Met Leu Glu Lys Leu Asp
50 55 60

Pro His Ser Thr Tyr Thr Asp Ala Lys Glu Thr Lys Ala Met Asn Glu
65 70 75 80

Pro Leu Gln Gly Asp Phe Glu Gly Ile Gly Val Gln Phe Asn Met Ile
85 90 95

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

Lys Val Gly Ile Leu Ala Gly Asp Arg Ile Val Ser Val Asn Asp Ser
115 120 125

Thr Ile Ala Gly Val Lys Met Ala Arg Ile Asp Ile Met Lys Met Leu
130 135 140

Arg Gly Lys Lys Gly Thr Lys Val Lys Leu Gly Val Val Arg Arg Gly
145 150 155 160

Val Lys Gly Val Leu Thr Phe Val Val Thr Arg Ala Lys Ile Pro Val
165 170 175

His Thr Ile Asn Ala Ser Tyr Met Ile Arg Pro Asn Val Gly Tyr Ile
180 185 190

Arg Ile Glu Ser Phe Gly Met Lys Thr His Asp Glu Phe Met Ser Ala
 195 200 205
 Val Asp Ser Leu Lys Lys Lys Gly Met Lys Thr Leu Leu Leu Asp Leu
 210 215 220
 Gln Asp Asn Gly Gly Gly Tyr Leu Gln Ser Ala Val Gln Ile Ser Asn
 225 230 235 240
 Glu Phe Leu Lys Asn Asn Asp Met Ile Val Tyr Thr Glu Gly Arg Arg
 245 250 255
 Ala Arg Arg Gln Asn Phe Lys Ala Ile Gly Asn Gly Arg Leu Gln Asp
 260 265 270
 Val Lys Val Tyr Val Leu Val Asn Glu Leu Ser Ala Ser Ala Ala Glu
 275 280 285
 Ile Val Thr Gly Ala Ile Gln Asp Asn Asp Arg Gly Thr Val Val Gly
 290 295 300
 Arg Arg Thr Phe Gly Lys Gly Leu Val Gln Arg Pro Phe Asp Leu Pro
 305 310 315 320
 Asp Gly Ser Met Ile Arg Leu Thr Ile Ala His Tyr Tyr Thr Pro Ser
 325 330 335
 Gly Arg Cys Ile Gln Lys Pro Tyr Thr Lys Gly Asp Leu Lys Asp Tyr
 340 345 350
 Glu Met Asp Ile Glu Lys Arg Phe Lys His Gly Glu Leu Thr Asn Pro
 355 360 365
 Asp Ser Ile Gln Phe Ser Asp Ser Leu Lys Tyr Tyr Thr Ile Arg Lys
 370 375 380
 His Arg Val Val Tyr Gly Gly Gly Gly Ile Met Pro Asp Asn Phe Val
 385 390 395 400
 Pro Leu Asp Thr Thr Lys Phe Thr Arg Tyr His Arg Met Leu Ala Ala
 405 410 415
 Lys Ser Ile Ile Ile Asn Ala Tyr Leu Lys Tyr Ala Asp Ala Asn Arg
 420 425 430
 Gln Ala Leu Lys Ala Gln Tyr Ser Ser Phe Asp Ala Phe Asn Lys Gly
 435 440 445
 Tyr Val Val Pro Gln Ser Leu Leu Asp Glu Ile Val Ala Glu Gly Lys
 450 455 460
 Lys Glu Lys Ile Glu Pro Lys Asp Ala Ala Glu Leu Lys Ala Thr Leu
 465 470 475 480
 Pro Asn Ile Ala Leu Gln Ile Lys Ala Leu Thr Ala Arg Asp Ile Trp
 485 490 495
 Asp Met Asn Glu Tyr Phe Arg Val Trp Asn Thr Gln Ser Asp Ile Val
 500 505 510
 Asn Lys Ala Val Ala Leu Ala Thr Gly Lys
 515 520
 <210> 54
 <211> 348
 <212> PRT
 <213> Desconocido
 <220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"
 <400> 54
 Met Lys Leu Thr Glu Gln Arg Ser Ser Met Leu His Gly Val Leu Leu
 1 5 10 15
 Ile Thr Leu Phe Ala Cys Ala Ala Phe Tyr Ile Gly Asp Met Gly Trp
 20 25 30

Val Lys Ala Leu Ser Leu Ser Pro Met Val Val Gly Ile Ile Leu Gly
35 40 45

Met Leu Tyr Ala Asn Ser Leu Arg Asn Asn Leu Pro Asp Thr Trp Val
50 55 60

Pro Gly Ile Ala Phe Cys Gly Lys Arg Val Leu Arg Phe Gly Ile Ile
65 70 75 80

Leu Tyr Gly Phe Arg Leu Thr Phe Gln Asp Val Val Ala Val Gly Phe
85 90 95

Pro Ala Ile Ile Val Asp Ala Ile Ile Val Ser Gly Thr Ile Leu Leu
100 105 110

Gly Val Leu Val Gly Arg Leu Leu Lys Met Asp Arg Ser Ile Ala Leu
115 120 125

Leu Thr Ala Cys Gly Ser Gly Ile Cys Gly Ala Ala Ala Val Leu Gly
130 135 140

Val Asp Gly Ala Ile Arg Pro Lys Pro Tyr Lys Thr Ala Val Ala Val
145 150 155 160

Ala Thr Val Val Ile Phe Gly Thr Leu Ser Met Phe Leu Tyr Pro Ile
165 170 175

Leu Tyr Arg Ala Gly Ile Phe Asp Leu Ser Pro Asp Ala Met Gly Ile
180 185 190

Phe Ala Gly Ser Thr Ile His Glu Val Ala His Val Val Gly Ala Gly
195 200 205

Asn Ala Met Gly Ala Ala Val Ser Asn Ser Ala Ile Ile Val Lys Met
210 215 220

Ile Arg Val Met Met Leu Val Pro Val Leu Leu Val Ile Ala Phe Phe
225 230 235 240

Val Ala Lys Asn Val Ala Glu Arg Asp Asp Glu Ala Gly Gly Ser Arg
245 250 255

Lys Ile Asn Ile Pro Trp Phe Ala Ile Leu Phe Leu Val Val Ile Gly
260 265 270

Phe Asn Ser Leu Asn Leu Leu Pro Lys Glu Leu Val Asp Phe Ile Asn
275 280 285

Thr Leu Asp Thr Phe Leu Leu Thr Met Ala Met Ser Ala Leu Gly Ala
290 295 300

Glu Thr Ser Ile Asp Lys Phe Lys Lys Ala Gly Phe Lys Pro Phe Leu
305 310 315 320

Leu Ala Ala Ile Leu Trp Cys Trp Leu Ile Gly Gly Gly Tyr Cys Leu
325 330 335

Ala Lys Tyr Leu Val Pro Val Leu Gly Val Ala Cys
340 345

<210> 55
<211> 833
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 55
Met Asn Lys Gln Phe Leu Leu Ala Ala Leu Trp Leu Ser Pro Leu Gly
1 5 10 15

Leu Tyr Ala His Lys Ala Asn Gly Ile Gly Ala Val Thr Trp Lys Asn
20 25 30

Glu Ala Pro Lys Glu Arg Met Ile Arg Gly Ile Asp Glu Asp Lys Thr
35 40 45

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His Gln Arg Phe Thr Leu Ser Gly Tyr Val Lys Asp Arg Asn Gly Glu
50 55 60

Pro Leu Ile Asn Ala Thr Ile Tyr Asp Leu Thr Thr Arg Gln Gly Thr
65 70 75 80

Met Thr Asn Ala Tyr Gly His Phe Ser Leu Thr Leu Gly Glu Gly Gln
85 90 95

His Glu Ile Arg Cys Ser Tyr Val Gly Tyr Lys Thr Leu Ile Glu Thr
100 105 110

Ile Asp Leu Ser Ala Asn Gln Asn His Asp Ile Ile Leu Gln Asn Glu
115 120 125

Ala Gln Leu Asp Glu Val Val Val Thr Thr Asp Leu Asn Ser Pro Leu
130 135 140

Leu Lys Thr Gln Thr Gly Lys Leu Ser Leu Ser Gln Lys Asp Ile Lys
145 150 155 160

Thr Glu Tyr Ala Leu Leu Ser Ser Pro Asp Val Ile Lys Thr Leu Gln
165 170 175

Arg Thr Ser Gly Val Ala Asp Gly Met Glu Leu Ala Ser Gly Leu Tyr
180 185 190

Val His Gly Gly Asn Gly Asp Glu Asn Leu Phe Leu Leu Asp Gly Thr
195 200 205

Pro Leu Tyr His Thr Asn His Ser Leu Gly Leu Phe Ser Ser Phe Asn
210 215 220

Ala Asp Val Val Lys Asn Val Asp Phe Tyr Lys Ser Gly Phe Pro Ala
225 230 235 240

Arg Tyr Gly Gly Arg Leu Ser Ser Val Ile Asp Val Arg Thr Ala Asp
245 250 255

Gly Asp Leu Tyr Lys Thr His Gly Ser Tyr Arg Ile Gly Leu Leu Asp
260 265 270

Gly Ala Phe His Ile Gly Gly Pro Ile Arg Lys Gly Lys Thr Ser Tyr
275 280 285

Asn Phe Gly Leu Arg Arg Ser Trp Met Asp Leu Leu Thr Arg Pro Ala
290 295 300

Phe Ala Ile Met Asn His Lys Ser Asp Asn Glu Asp Lys Leu Ser Met
305 310 315 320

Ser Tyr Phe Phe His Asp Leu Asn Phe Lys Leu Thr Asn Ile Phe Asn
325 330 335

Glu Arg Ser Arg Met Ser Leu Ser Val Tyr Ser Gly Glu Asp Arg Leu
340 345 350

Asp Ala Lys Asp Glu Trp His Ser Asn Asn Ser Ser Gly Tyr Asn Asp
355 360 365

Val Asp Ile Tyr Val Asn Arg Phe His Trp Gly Asn Phe Asn Ala Ala
370 375 380

Leu Asp Trp Asn Tyr Gln Phe Ser Pro Lys Leu Phe Ala Asn Phe Thr
385 390 395 400

Ala Val Tyr Thr His Asn Arg Ser Thr Val Ser Ser Ser Asp Glu Trp
405 410 415

Arg Phe Thr Arg Pro Gly Glu Lys Glu Gln Leu Thr Leu Thr Ser His
420 425 430

Gly Tyr Arg Ser Ser Ile Asp Asp Ile Gly Tyr Arg Ala Ala Phe Asp
435 440 445

Phe Arg Pro Ser Pro Arg His His Ile Arg Phe Gly Gln Asp Tyr Thr
450 455 460

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Tyr His Arg Phe Gln Pro Gln Thr Tyr Asn Arg Phe Asp Asn Tyr Gln
 465 470 475 480
 Thr Asn Ser Glu Ala Lys Ala Asp Thr Ile Ala Thr His Ser Tyr Asn
 485 490 495
 Lys Asn Val Ala His Gln Leu Thr Phe Tyr Ala Glu Asp Glu Met Thr
 500 505 510
 Leu Asn Glu Lys Trp Ser Leu Asn Gly Gly Val Asn Ala Asp Val Phe
 515 520 525
 His Ile Ser Gly Lys Thr Phe Ala Thr Leu Ser Pro Arg Leu Ser Met
 530 535 540
 Lys Phe Gln Pro Thr Glu Arg Leu Ser Leu Lys Ala Ser Tyr Thr Leu
 545 550 555 560
 Met Ser Gln Phe Val His Lys Ile Ala Asn Ser Phe Leu Asp Leu Pro
 565 570 575
 Thr Asp Tyr Trp Val Pro Thr Thr Ala Arg Leu His Pro Met Arg Ser
 580 585 590
 Trp Gln Val Ala Ala Gly Ala Tyr Met Lys Pro Asn Lys His Trp Leu
 595 600 605
 Leu Ser Leu Glu Ala Tyr Tyr Lys Arg Ser Ser His Ile Leu Gln Tyr
 610 615 620
 Ser Ser Trp Ala Gly Leu Glu Pro Pro Ala Ala Asn Trp Asp Tyr Met
 625 630 635 640
 Val Met Glu Gly Asp Gly Arg Ser Tyr Gly Val Glu Leu Asp Ala Asp
 645 650 655
 Tyr Asn Val Ser Asn Leu Thr Leu His Gly Ser Tyr Thr Leu Ser Trp
 660 665 670
 Thr Gln Lys Lys Phe Asp Asp Phe Tyr Asp Gly Trp Tyr Tyr Asp Lys
 675 680 685
 Phe Asp Asn Arg His Lys Leu Thr Leu Thr Gly Arg Trp Asn Ile Thr
 690 695 700
 Lys Lys Ile Ala Ala Phe Ala Ala Trp Thr Phe Arg Thr Gly Asn Arg
 705 710 715 720
 Met Thr Ile Pro Thr Gln Tyr Ile Gly Leu Pro Asp Val Pro Ala Gln
 725 730 735
 Glu Gln Gly Gly Leu Thr Phe Asn Ser Ser Asp Asp Asn Thr Leu Asn
 740 745 750
 Phe Ala Tyr Glu Lys Pro Asn Asn Val Ile Leu Pro Ala Tyr His Arg
 755 760 765
 Leu Asp Ile Gly Phe Asp Phe His His Thr Thr Lys Lys Gly His Glu
 770 775 780
 Arg Ile Trp Asn Leu Ser Phe Tyr Asn Ala Tyr Cys His Leu Asn Ser
 785 790 795 800
 Leu Trp Val Arg Val Lys Ile Asp Ser Asn Asn Gln Met Lys Ile Arg
 805 810 815
 Asn Ile Ala Phe Ile Pro Val Ile Pro Ser Phe Ser Tyr Thr Phe Lys
 820 825 830

Phe

<210> 56
 <211> 1133
 <212> PRT
 <213> Desconocido

<220>

<221> fuente

<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 56

Met Ser Lys Gln Val Phe Gln Thr Asp Ser Arg Gln Arg Trp Ser Tyr
1 5 10 15Phe Lys Trp Thr Leu Arg Val Ile Leu Thr Ile Leu Ser Leu Leu Gly
20 25 30Ile Val Phe Leu Ala Met Phe Ala Leu Glu Gly Ser Pro Gln Met Pro
35 40 45Phe Arg His Asp Tyr Arg Asn Ala Val Thr Ala Ala Ser Pro Tyr Thr
50 55 60Lys Asp Asn Lys Thr Ala Lys Leu Tyr Lys Ser Phe Arg Asp Phe Phe
65 70 75 80Lys Glu Lys Lys Met His Asn Asn Tyr Ala Lys Ala Thr Ile Lys Lys
85 90 95Gln Arg Phe Ile Gly Lys Ala Asp Ser Val Thr Gln Lys Tyr Phe Arg
100 105 110Glu Trp Asp Asp Pro Arg Ile Gly Val Arg Ser Ala Trp Tyr Val Asn
115 120 125Trp Asp Lys His Ala Tyr Ile Ser Leu Lys Asn Asn Ile Lys His Leu
130 135 140Asn Met Val Leu Pro Glu Trp Phe Phe Ile Asn Pro Lys Thr Asp Lys
145 150 155 160Val Glu Tyr Arg Ile Asp Lys Gln Ala Leu Arg Leu Met Arg Arg Thr
165 170 175Gly Ile Pro Val Leu Pro Met Leu Thr Asn Asn Tyr Asn Ser Asp Phe
180 185 190His Pro Glu Ala Ile Gly Arg Ile Met Arg Asp Glu Lys Lys Arg Met
195 200 205Ala Leu Ile Asn Glu Met Val Arg Thr Cys Arg His Tyr Gly Phe Ala
210 215 220Gly Ile Asn Leu Asp Leu Glu Glu Leu Asn Ile Gln Asp Asn Asp Leu
225 230 235 240Leu Val Glu Leu Leu Lys Asp Phe Ser Arg Val Phe His Ala Asn Gly
245 250 255Leu Tyr Val Thr Gln Ala Val Ala Pro Phe Asn Glu Asp Tyr Asn Met
260 265 270Gln Glu Leu Ala Lys Tyr Asn Asp Tyr Leu Phe Leu Met Ala Tyr Asp
275 280 285Glu His Asn Ile Glu Ser Gln Pro Gly Ala Val Ser Ser Gln Arg Trp
290 295 300Val Glu Lys Ala Thr Asp Trp Ala Ala Lys Asn Val Pro Asn Asp Lys
305 310 315 320Ile Val Leu Gly Met Ala Thr Tyr Gly Tyr Asp Trp Ala Asn Gly Glu
325 330 335Gly Gly Thr Thr Val Ser Phe Asp Gln Thr Met Ala Ile Ala Gln Asp
340 345 350Ala Asp Ala Lys Val Lys Phe Asp Asp Asp Thr Tyr Asn Val Asn Phe
355 360 365Ser Tyr Gln Asn Thr Asp Asp Gly Lys Ile His His Val Phe Phe Thr
370 375 380Asp Ala Ala Thr Thr Phe Asn Ile Met Arg Phe Gly Ala Glu Tyr His
385 390 395 400

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Leu Ala Gly Tyr Gly₄₀₅ Leu Trp Arg Leu Gly₄₁₀ Thr Glu Asp Lys Arg₄₁₅ Ile
 Trp Arg Phe Tyr₄₂₀ Gly Lys Asp Met Ser₄₂₅ Trp Glu Asn Val Ala₄₃₀ Arg Met
 Ser Val Ala₄₃₅ Lys Leu Met Gln₄₄₀ Leu Asn Gly Thr Asp Asp₄₄₅ Val Asn Phe
 Val Gly₄₅₀ Ser Gly Glu Val₄₅₅ Leu Glu Val Thr Thr₄₆₀ Glu Pro His Pro Gly
 Asp Ile Ser Ile Arg Ile₄₇₀ Asp Lys Asp Asn Arg₄₇₅ Leu Ile Ser Glu Glu₄₈₀
 Tyr Tyr Arg Ala₄₈₅ Leu Pro Ser Thr Tyr Thr₄₉₀ Ile Gln Arg Leu Gly₄₉₅ Lys
 Cys Lys Asp Lys₅₀₀ Gln Leu Val Ile Thr₅₀₅ Phe Asp Asp Gly Pro₅₁₀ Asp Ser
 Arg Trp Thr₅₁₅ Pro Thr Val Leu Ser₅₂₀ Thr Leu Lys Lys Tyr₅₂₅ Asn Val Pro
 Ala Ala₅₃₀ Phe Phe Met Val Gly₅₃₅ Leu Gln Met Glu Lys₅₄₀ Asn Leu Pro Leu
 Val Lys Gln Val Tyr Glu₅₅₀ Asp Gly His Thr Ile₅₅₅ Gly Asn His Thr Phe₅₆₀
 Thr His His Asn Met₅₆₅ Ile Glu Asn Ser Asp₅₇₀ Arg Arg Ser Tyr Ala₅₇₅ Glu
 Leu Lys Leu Thr Arg Met Leu Ile Glu Ser Val Thr Gly His Ser Thr
 Ile Leu Phe Arg Ala Pro Tyr Asn Ala Asp Ala Asp Pro Thr Glu His
 Glu Glu₆₁₀ Ile Trp Pro Met Ile₆₁₅ Val Ala Ser Arg Arg₆₂₀ Asn Tyr Leu Phe
 Val Gly Glu Ser Ile Asp₆₃₀ Pro Asn Asp Trp Glu₆₃₅ Pro Asn Val Thr Ser₆₄₀
 Asp Gln Ile Tyr Gln Arg Val Ile Asp Gly₆₅₀ Val His His Glu Asp₆₅₅ Gly
 His Ile Ile Leu Leu His Asp Ala Gly₆₆₅ Gly Ser Ser Arg Lys₆₇₀ Pro Thr
 Leu Asp Ala₆₇₅ Leu Pro Arg Ile Ile₆₈₀ Glu Thr Leu Gln His Glu Gly Tyr
 Gln Phe Ile Ser Leu Glu Gln₆₉₅ Tyr Leu Gly Met Gly₇₀₀ Lys Gln Thr Leu
 Met Pro Glu Ile Asn Lys₇₁₀ Gly Lys Ala Tyr Tyr₇₁₅ Ala Met Gln Thr Asn₇₂₀
 Leu Trp Leu Ala Glu Met Ile Tyr His Val₇₃₀ Ser Asp Phe Leu Thr Ala₇₃₅
 Leu Phe Leu Val Phe Leu Ala Leu Gly₇₄₅ Met Met Arg Leu Ile₇₅₀ Phe Met
 Tyr Val Leu Met Ile Arg Glu Lys₇₆₀ Arg Ala Glu Asn Arg₇₆₅ Arg Asn Tyr
 Ala Pro Ile Asp Ala Ala Thr₇₇₅ Ala Pro Ala Val Ser₇₈₀ Ile Ile Val Pro
 Gly Tyr Asn Glu Glu Val₇₉₀ Asn Ile Val Arg Thr₇₉₅ Ile Thr Thr Leu Lys₈₀₀
 Gln Gln Asp Tyr Pro Asn Leu His Ile Tyr Phe Val Asp Asp Gly Ser

805 810 815

Lys Asp His Thr Leu Glu Arg Val His Glu Ala Phe Asp Asn Asp Asp
820 825 830

Thr Val Thr Ile Leu Ala Lys Lys Asn Gly Gly Lys Ala Ser Ala Leu
835 840 845

Asn Tyr Gly Ile Ala Ala Cys Arg Ser Glu Tyr Val Val Cys Ile Asp
850 855 860

Ala Asp Thr Gln Leu Lys Asn Asp Ala Val Ser Arg Leu Met Lys His
865 870 875 880

Phe Ile Ala Asp Thr Glu Lys Arg Val Gly Ala Val Ala Gly Asn Val
885 890 895

Lys Val Gly Asn Gln Arg Asn Met Leu Thr Tyr Trp Gln Ala Ile Glu
900 905 910

Tyr Thr Ser Ser Gln Asn Phe Asp Arg Met Ala Tyr Ser Asn Ile Asn
915 920 925

Ala Ile Thr Val Val Pro Gly Ala Ile Gly Ala Phe Arg Lys Glu Val
930 935 940

Ile Glu Ala Val Gly Gly Phe Thr Thr Asp Thr Leu Ala Glu Asp Cys
945 950 955 960

Asp Leu Thr Met Ser Ile Asn Glu His Gly Tyr Ile Ile Glu Asn Glu
965 970 975

Asn Tyr Ala Val Ala Leu Thr Glu Ala Pro Glu Thr Leu Arg Gln Phe
980 985 990

Val Lys Gln Arg Ile Arg Trp Cys Phe Gly Val Met Gln Ala Phe Trp
995 1000 1005

Lys His Arg Ser Ser Leu Phe Ala Pro Ser Lys Lys Gly Phe Gly
1010 1015 1020

Leu Trp Ala Met Pro Asn Met Leu Ile Phe Gln Tyr Ile Ile Pro
1025 1030 1035

Thr Phe Ser Pro Leu Ala Asp Val Leu Met Leu Ile Gly Leu Phe
1040 1045 1050

Thr Gly Asn Ala Leu Gln Ile Phe Phe Tyr Tyr Leu Ile Phe Leu
1055 1060 1065

Val Ile Asp Ala Ser Val Ser Ile Met Ala Tyr Ile Phe Glu Gly
1070 1075 1080

Glu Arg Leu Trp Val Leu Leu Trp Val Ile Pro Gln Arg Phe Phe
1085 1090 1095

Tyr Arg Trp Ile Met Tyr Tyr Val Leu Phe Lys Ser Tyr Leu Lys
1100 1105 1110

Ala Ile Lys Gly Glu Leu Gln Thr Trp Gly Val Leu Lys Arg Thr
1115 1120 1125

Gly His Val Lys Gly
1130

<210> 57
<211> 292
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 57
Met Ala Lys Lys Arg Asn Lys Ala Arg Ser Arg His Ser Leu Gln Val
1 5 10 15

Val Thr Leu Cys Ile Ser Thr Ala Met Val Leu Met Leu Ile Gly Ile
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20

25

30

Val Val Leu Thr Gly Phe Thr Ser Arg Asn Leu Ser Ser Tyr Val Lys
35 40 45

Glu Asn Leu Thr Ile Thr Met Ile Leu Gln Pro Asp Met Asn Thr Glu
50 55 60

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

Ser Leu Asn Phe Ile Ser Lys Glu Gln Ala Leu Lys Asp Gly Thr Lys
85 90 95

Glu Leu Gly Ala Asn Pro Ala Glu Phe Ala Gly Glu Asn Pro Phe Thr
100 105 110

Gly Glu Ile Glu Val Gln Leu Lys Ala Asn Tyr Ala Asn Asn Asp Ser
115 120 125

Ile Arg Asn Ile Val Gln Gln Leu Arg Thr Tyr Arg Gly Val Ser Asp
130 135 140

Ile Thr Tyr Pro Gln Ser Leu Val Glu Ser Val Asn Gln Thr Leu Gly
145 150 155 160

Lys Ile Ser Leu Val Leu Leu Val Ile Ala Val Leu Leu Thr Ile Ile
165 170 175

Ser Phe Ser Leu Ile Asn Asn Thr Ile Arg Leu Ser Ile Tyr Ala His
180 185 190

Arg Phe Ser Ile His Thr Met Lys Leu Val Gly Gly Ser Trp Ser Phe
195 200 205

Ile Arg Ala Pro Phe Leu Arg Arg Ala Val Leu Glu Gly Leu Val Ser
210 215 220

Ala Leu Leu Ala Ile Ala Val Leu Gly Ile Gly Ile Cys Leu Leu Tyr
225 230 235 240

Glu Lys Glu Pro Glu Ile Thr Lys Leu Leu Ser Trp Asp Ala Leu Ile
245 250 255

Ile Thr Ala Ile Val Met Leu Ala Phe Gly Val Ile Ile Ala Thr Phe
260 265 270

Cys Ala Trp Leu Ser Val Asn Lys Phe Leu Arg Met Lys Ala Gly Asp
275 280 285

Leu Tyr Lys Ile
290

<210> 58
<211> 254
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 58
Met Lys Asn Ile Tyr Phe Leu Ser Asp Ala His Leu Gly Ser Leu Ala
1 5 10 15

Ile Asp His Arg Arg Thr His Glu Arg Arg Leu Val Arg Phe Leu Asp
20 25 30

Ser Ile Lys His Lys Ala Ala Ala Val Tyr Leu Leu Gly Asp Met Phe
35 40 45

Asp Phe Trp Asn Glu Tyr Lys Tyr Val Val Pro Lys Gly Phe Thr Arg
50 55 60

Phe Leu Gly Lys Ile Ser Glu Leu Thr Asp Met Gly Val Glu Val His
65 70 75 80

Phe Phe Thr Gly Asn His Asp Leu Trp Thr Tyr Gly Tyr Leu Glu Lys

85

90

95

Glu Cys Gly Val Ile Leu His Arg Lys Pro Ile Thr Thr Glu Ile Tyr
100 105 110

Asp Lys Val Phe Tyr Leu Ala His Gly Asp Gly Leu Gly Asp Pro Asp
115 120 125

Pro Met Phe Arg Phe Leu Arg Lys Val Phe His Asn Arg Phe Cys Gln
130 135 140

Arg Leu Leu Asn Phe Phe His Pro Trp Trp Gly Met Gln Leu Gly Leu
145 150 155 160

Asn Trp Ala Lys Arg Ser Arg Leu Lys Arg Lys Asp Gly Lys Glu Val
165 170 175

Pro Tyr Leu Gly Glu Asp Lys Glu Tyr Leu Val Gln Tyr Thr Lys Glu
180 185 190

Tyr Met Ser Thr His Lys Asp Ile Asp Tyr Tyr Ile Tyr Gly His Arg
195 200 205

His Ile Glu Leu Asp Leu Thr Leu Ser Arg Lys Ala Arg Leu Leu Ile
210 215 220

Leu Gly Asp Trp Ile Trp Gln Phe Thr Tyr Ala Val Phe Asp Gly Glu
225 230 235 240

His Met Phe Leu Glu Glu Tyr Val Glu Gly Glu Ser Lys Pro
245 250

<210> 59

<211> 388

<212> PRT

<213> Desconocido

<220>

<221> fuente

<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 59

Met Val Gly Leu Asp Val Leu Cys Tyr Phe Ile His Ala Lys Gly Arg
1 5 10 15

Glu Lys Glu Cys Tyr Phe Glu Arg Ile Ile Tyr Gln Ile Thr Cys His
20 25 30

Ser Arg Thr Lys Cys Tyr Leu Cys Asn Ile Met Lys Tyr Ser Ile Ile
35 40 45

Val Pro Val Phe Asn Arg Pro Asp Glu Val Glu Glu Leu Leu Glu Ser
50 55 60

Leu Leu Ser Gln Glu Glu Lys Asp Phe Glu Val Val Ile Val Glu Asp
65 70 75 80

Gly Ser Gln Ile Pro Cys Lys Glu Val Cys Asp Lys Tyr Ala Asp Lys
85 90 95

Leu Asp Leu His Tyr Tyr Ser Lys Glu Asn Ser Gly Pro Gly Gln Ser
100 105 110

Arg Asn Tyr Gly Ala Glu Arg Ala Lys Gly Glu Tyr Leu Leu Ile Leu
115 120 125

Asp Ser Asp Val Val Leu Pro Lys Gly Tyr Ile Cys Ala Val Ser Glu
130 135 140

Glu Leu Lys Arg Glu Pro Ala Asp Ala Phe Gly Gly Pro Asp Cys Ala
145 150 155 160

His Glu Ser Phe Thr Asp Thr Gln Lys Ala Ile Ser Tyr Ser Met Thr
165 170 175

Ser Phe Phe Thr Thr Gly Gly Ile Arg Gly Gly Lys Lys Lys Leu Asp
180 185 190

Lys Phe Tyr Pro Arg Ser Phe Asn Met Gly Ile Arg Arg Asp Val Tyr
Página 70

195

200

205

Gln Glu Leu Gly Gly Phe Ser Lys Met Arg Phe Gly Glu Asp Ile Asp
210 215 220

Phe Ser Ile Arg Ile Phe Lys Ala Gly Lys Arg Cys Arg Leu Phe Pro
225 230 235 240

Glu Ala Trp Val Trp His Lys Arg Arg Thr Asp Phe Arg Lys Phe Trp
245 250 255

Lys Gln Val Tyr Asn Ser Gly Ile Ala Arg Ile Asn Leu Tyr Lys Lys
260 265 270

Tyr Pro Glu Ser Leu Lys Leu Val His Leu Leu Pro Met Val Phe Thr
275 280 285

Val Gly Thr Ala Leu Leu Val Leu Met Ile Leu Phe Gly Leu Phe Leu
290 295 300

Gln Leu Phe Pro Ile Ile Asn Val Phe Gly Ser Val Phe Ile Met Met
305 310 315 320

Gly Leu Met Pro Leu Val Leu Tyr Ser Val Ile Ile Cys Val Asp Ser
325 330 335

Thr Met Gln Asn Asn Ser Leu Asn Ile Gly Leu Leu Ser Ile Glu Ala
340 345 350

Ala Phe Ile Gln Leu Thr Gly Tyr Gly Cys Gly Phe Ile Ser Ala Trp
355 360 365

Trp Lys Arg Cys Val Cys Gly Met Asp Glu Phe Ala Ala Tyr Glu Lys
370 375 380

Asn Phe Tyr Lys
385

<210> 60

<211> 435

<212> PRT

<213> Desconocido

<220>

<221> fuente

<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 60

Met Lys Ile Glu Lys Val His Ala Arg Glu Ile Met Asp Ser Arg Gly
1 5 10 15

Asn Pro Thr Val Glu Val Glu Val Thr Leu Glu Asn Gly Val Met Gly
20 25 30

Arg Ala Ser Val Pro Ser Gly Ala Ser Thr Gly Glu Asn Glu Ala Leu
35 40 45

Glu Leu Arg Asp Gly Asp Lys Asn Arg Phe Leu Gly Lys Gly Val Leu
50 55 60

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

Asp Cys Val Leu Asn Gln Arg Ala Ile Asp Tyr Lys Met Leu Glu Leu
85 90 95

Asp Gly Thr Pro Thr Lys Ser Lys Leu Gly Ala Asn Ala Ile Leu Gly
100 105 110

Val Ser Leu Ala Val Ala Gln Ala Ala Ala Lys Ala Leu Asn Ile Pro
115 120 125

Leu Tyr Arg Tyr Ile Gly Gly Ala Asn Thr Tyr Val Leu Pro Val Pro
130 135 140

Met Met Asn Ile Ile Asn Gly Gly Ala His Ser Asp Ala Pro Ile Ala
145 150 155 160

Phe Gln Glu Phe Met Ile Arg Pro Val Gly Ala Pro Ser Glu Lys Glu

165

170

175

Gly Ile Arg Met Gly Ala Glu Val Phe His Ala Leu Ala Lys Leu Leu
180 185 190

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

Pro Lys Phe Asp Gly Ile Glu Asp Ala Leu Asp Ser Ile Ile Gln Ala
210 215 220

Ile Lys Asp Ala Gly Tyr Glu Pro Gly Lys Asp Val Lys Ile Ala Met
225 230 235 240

Asp Cys Ala Ala Ser Glu Phe Ala Val Cys Glu Asp Gly Lys Trp Phe
245 250 255

Tyr Asp Tyr Arg Gln Leu Lys Asn Gly Met Pro Lys Asp Pro Asn Gly
260 265 270

Lys Lys Leu Ser Ala Asp Glu Gln Ile Ala Tyr Leu Glu His Leu Ile
275 280 285

Thr Lys Tyr Pro Ile Asp Ser Ile Glu Asp Gly Leu Asp Glu Asn Asp
290 295 300

Trp Glu Asn Trp Val Lys Leu Thr Ser Ala Ile Gly Asp Arg Cys Gln
305 310 315 320

Leu Val Gly Asp Asp Leu Phe Val Thr Asn Val Lys Phe Leu Glu Lys
325 330 335

Gly Ile Lys Met Gly Ala Ala Asn Ser Ile Leu Ile Lys Val Asn Gln
340 345 350

Ile Gly Ser Leu Thr Glu Thr Leu Glu Ala Ile Glu Met Ala His Arg
355 360 365

His Gly Tyr Thr Thr Val Thr Ser His Arg Ser Gly Glu Thr Glu Asp
370 375 380

Thr Thr Ile Ala Asp Ile Ala Val Ala Thr Asn Ser Gly Gln Ile Lys
385 390 395 400

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

Ile Arg Ile Glu Glu Glu Leu Gly Ala Cys Ala Lys Tyr Gly Tyr Ala
420 425 430

Lys Leu Lys
435

<210> 61

<211> 501

<212> PRT

<213> Desconocido

<220>

<221> fuente

<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 61

Met Lys Lys Leu Phe Thr Ile Ala Met Leu Leu Gly Val Thr Leu Gly
1 5 10 15

Ile His Ala Gln Glu Val Tyr Ser Leu Gln Lys Cys Arg Glu Leu Ala
20 25 30

Leu Gln Asn Asn Arg Gln Leu Lys Val Ser Arg Met Thr Val Asp Val
35 40 45

Ala Glu Asn Thr Arg Lys Ala Ala Lys Thr Lys Tyr Leu Pro Arg Val
50 55 60

Asp Ala Leu Ala Gly Tyr Gln His Phe Ser Arg Glu Ile Ser Leu Leu
65 70 75 80

Ser Asp Asp Gln Lys Asn Ala Phe Ser Asn Leu Gly Thr Asn Thr Phe
Página 72

Gly Gln Leu Gly Gly Gln Ile Gly Gln Asn Leu Thr Ser Leu Ala Gln
100 105 110

Gln Gly Ile Leu Ser Pro Gln Met Ala Gln Gln Leu Gly Gln Leu Phe
115 120 125

Ser Asn Val Ala Thr Pro Leu Thr Gln Val Gly Asn Asn Ile Gly Gln
130 135 140

Ser Ile Asn Asp Ala Phe Arg Ser Asn Thr Lys Asn Val Tyr Ala Gly
145 150 155 160

Gly Ile Val Val Asn Gln Pro Ile Tyr Met Gly Gly Ala Ile Lys Ala
165 170 175

Ala Asn Asp Met Ala Ala Ile Gly Glu Gln Val Ala Gln Asn Asn Ile
180 185 190

Ser Leu Lys Arg Gln Leu Val Leu Tyr Gly Val Asp Asn Ala Tyr Trp
195 200 205

Leu Ala Ile Ser Leu Lys Lys Lys Glu Ala Leu Ala Ile Arg Tyr Arg
210 215 220

Asp Leu Ala Gln Lys Leu Asn Glu Asp Val Lys Lys Met Ile Arg Glu
225 230 235 240

Gly Val Ala Thr Arg Ala Asp Gly Leu Lys Val Glu Val Ala Val Asn
245 250 255

Thr Ala Asp Met Gln Ile Ala Arg Ile Gln Ser Gly Val Ser Leu Ala
260 265 270

Lys Met Ala Leu Cys Glu Leu Cys Gly Leu Glu Leu Asn Gly Asp Ile
275 280 285

Pro Leu Ser Asp Glu Gly Asp Ala Asp Leu Pro Pro Thr Pro Ser Thr
290 295 300

Gln Phe Asp Asn Tyr Thr Val Ser Ser Ser Asp Thr Thr Gly Leu Asn
305 310 315 320

Glu Ala Arg Pro Glu Leu Arg Leu Leu Gln Asn Ala Val Asp Leu Ser
325 330 335

Ile Gln Asn Thr Lys Leu Ile Arg Ser Leu Tyr Met Pro His Val Leu
340 345 350

Leu Thr Ala Gly Tyr Ser Val Ser Asn Pro Asn Leu Phe Asn Gly Phe
355 360 365

Gln Lys Arg Phe Thr Asp Leu Trp Asn Ile Gly Ile Thr Val Gln Val
370 375 380

Pro Val Trp Asn Trp Gly Glu Asn Lys Tyr Lys Val Arg Ala Ser Lys
385 390 395 400

Thr Ala Thr Thr Ile Ala Gln Leu Glu Met Asp Asp Val Arg Lys Lys
405 410 415

Ile Asp Leu Glu Ile Glu Gln Asn Arg Leu Arg Leu Lys Asp Ala Asn
420 425 430

Lys Gln Leu Ala Thr Ser Gln Lys Asn Met Ala Ala Ala Glu Glu Asn
435 440 445

Leu Arg Cys Ala Asn Val Gly Phe Lys Glu Gly Val Met Thr Val Thr
450 455 460

Glu Val Met Ala Ala Gln Thr Ala Trp Gln Thr Ser Arg Met Ala Ile
465 470 475 480

Ile Asp Ala Glu Ile Ser Val Lys Leu Ala Gln Thr Gly Leu Gln Lys
485 490 495

Ala Leu Gly Gly Leu
500

<210> 62
<211> 577
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 62
Met Lys Arg Thr Phe Val Thr Lys Met Val Lys Pro Ile Glu Glu Asn
1 5 10 15

Ser Leu Phe Phe Met Phe Met Leu Leu Val Gly Ala Phe Thr Asn Val
20 25 30

Ser His Arg Asn Val Phe Gly Tyr Ile Glu Leu Ile Ala Asp Val Tyr
35 40 45

Ile Ile Cys Phe Leu Leu Ser Leu Cys Gln Arg Thr Ile Arg Gln Gly
50 55 60

Leu Val Ile Met Leu Ser Ser Val Ile Tyr Val Val Ala Ile Ile Asp
65 70 75 80

Thr Cys Cys Lys Thr Leu Phe Asp Thr Pro Ile Thr Pro Thr Met Leu
85 90 95

Leu Leu Ala Gln Glu Thr Thr Gly Arg Glu Ala Thr Glu Phe Phe Leu
100 105 110

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

Phe Leu Ala Phe Cys His Ile Val Met Ala Val Lys Lys Met Lys Phe
130 135 140

Ser Thr Ser Tyr Leu Lys Gln Pro Phe Val Ala Phe Val Leu Met Phe
145 150 155 160

Thr Ile Phe Val Gly Met Ala Leu Ser Ile Tyr Asp Lys Val Gln Leu
165 170 175

Tyr Thr Val Lys Asn Leu Ser Gly Leu Glu Val Ala Val Thr Asn Gly
180 185 190

Phe Ala His Leu Tyr His Pro Val Glu Arg Ile Val Tyr Gly Leu Tyr
195 200 205

Ser Asn His Leu Ile Ala Lys Gln Val Asp Gly Val Ile Met Ala Asn
210 215 220

Gln Gln Ile Lys Val Asp Ser Cys Ser Phe Thr Ser Pro Thr Ile Val
225 230 235 240

Leu Val Ile Gly Glu Ser Ala Asn Arg His His Ser Gln Leu Tyr Gly
245 250 255

Tyr Pro Leu Pro Thr Thr Pro Tyr Gln Leu Ala Met Lys Asn Gly Lys
260 265 270

Asp Ser Leu Ala Val Phe Thr Asn Val Val Ser Pro Trp Asn Leu Thr
275 280 285

Ser Lys Val Phe Lys Gln Ile Phe Ser Leu Gln Ser Val Asp Glu Lys
290 295 300

Gly Asp Trp Ser Lys Tyr Val Leu Phe Pro Ala Val Phe Lys Lys Ala
305 310 315 320

Gly Tyr His Val Ser Phe Leu Ser Asn Gln Phe Pro Tyr Gly Ile Asn
325 330 335

Tyr Thr Pro Asp Trp Thr Asn Asn Leu Val Gly Gly Phe Phe Leu Asn
340 345 350

His Pro Gln Leu Asn Lys Gln Met Phe Asp Tyr Arg Asn Val Thr Ile
 355 360 365

His Asn Tyr Asp Glu Asp Leu Leu Asn Asp Tyr Lys Glu Ile Ile Ser
 370 375 380

Tyr Lys Lys Pro Gln Leu Ile Ile Phe His Leu Leu Gly Gln His Phe
 385 390 395 400

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

Asp Tyr Lys Arg Met Asp Leu Thr Asp Lys Glu Lys Gln Thr Ile Ala
 420 425 430

Asp Tyr Asp Asn Ala Thr Leu Tyr Asn Asp Phe Val Leu Asn Lys Ile
 435 440 445

Val Glu Gln Phe Arg Asn Lys Asp Ala Ile Ile Val Tyr Leu Ser Asp
 450 455 460

His Gly Glu Asp Cys Tyr Gly Lys Asp Val Asn Met Ala Gly Arg Leu
 465 470 475 480

Thr Glu Val Glu Gln Ile Asn Leu Lys Lys Tyr His Glu Glu Phe Glu
 485 490 495

Ile Pro Phe Trp Ile Trp Cys Ser Pro Ile Tyr Lys Gln Arg His Arg
 500 505 510

Lys Ile Phe Thr Glu Thr Leu Met Ala Arg Asn Asn Lys Phe Met Thr
 515 520 525

Asp Asp Leu Pro His Leu Leu Leu Tyr Leu Ala Gly Ile Lys Thr Lys
 530 535 540

Asp Tyr Cys Glu Glu Arg Asn Val Ile Ser Pro Ser Phe Asn Asn Asn
 545 550 555 560

Arg Arg Arg Leu Val Leu Lys Thr Ile Asp Tyr Asp Lys Ala Leu Tyr
 565 570 575

Gln

<210> 63
 <211> 517
 <212> PRT
 <213> Desconocido

<220>
 <221> fuente
 <223> /nota="Descripción de Desconocido:
 Secuencia de Prevotella"

<400> 63
 Met Phe Lys Asn His Pro Lys Gly Leu Leu Gln Ala Ala Phe Ser Asn
 1 5 10 15

Met Gly Glu Arg Phe Gly Tyr Tyr Ile Met Asn Ala Val Leu Ala Leu
 20 25 30

Phe Leu Cys Ser Lys Phe Gly Leu Ser Asp Glu Thr Ser Gly Leu Ile
 35 40 45

Ala Ser Leu Phe Leu Ala Ala Ile Tyr Val Met Ser Leu Val Gly Gly
 50 55 60

Val Ile Ala Asp Arg Thr Gln Asn Tyr Gln Arg Thr Ile Glu Ser Gly
 65 70 75 80

Leu Val Val Met Ala Leu Gly Tyr Val Ala Leu Ser Ile Pro Val Leu
 85 90 95

Ala Thr Pro Glu Asn Asn Ser Tyr Leu Leu Ala Phe Thr Ile Phe Ala
 100 105 110

Leu Val Leu Ile Ala Val Gly Asn Gly Leu Phe Lys Gly Asn Leu Gln
 115 120 125

Ala Ile Val Gly Gln Met Tyr Asp Asp Phe Glu Thr Glu Ala Ala Lys
130 135 140

Val Ser Pro Glu Arg Leu Lys Trp Ala Gln Gly Gln Arg Asp Ala Gly
145 150 155 160

Phe Gln Ile Phe Tyr Val Phe Ile Asn Leu Gly Ala Leu Ala Ala Pro
165 170 175

Phe Ile Ala Pro Val Leu Arg Ser Trp Trp Leu Gly Arg Asn Gly Leu
180 185 190

Thr Tyr Asp Ala Ala Leu Pro Gln Leu Cys His Lys Tyr Ile Asn Gly
195 200 205

Thr Ile Gly Asp Asn Leu Gly Asn Leu Gln Glu Leu Ala Thr Lys Val
210 215 220

Gly Gly Asn Ser Ala Asp Leu Ala Ser Phe Cys Pro His Tyr Leu Asp
225 230 235 240

Val Phe Asn Thr Gly Val His Tyr Ser Phe Ile Ala Ser Val Val Thr
245 250 255

Met Leu Ile Ser Leu Ile Ile Phe Met Ser Ser Lys Lys Leu Phe Pro
260 265 270

Met Pro Gly Lys Lys Glu Gln Ile Val Asn Val Glu Tyr Thr Asp Glu
275 280 285

Glu Lys Ala Ser Met Ala Lys Glu Ile Lys Gln Arg Met Tyr Ala Leu
290 295 300

Phe Ala Val Leu Gly Ile Ser Val Phe Phe Trp Phe Ser Phe His Gln
305 310 315 320

Asn Gly Gln Ser Leu Ser Phe Phe Ala Arg Asp Phe Val Asn Thr Asp
325 330 335

Ser Val Ala Pro Glu Ile Trp Gln Ala Val Asn Pro Phe Phe Val Ile
340 345 350

Ser Leu Thr Pro Leu Ile Met Trp Val Phe Ala Tyr Phe Thr Lys Lys
355 360 365

Gly Lys Pro Ile Ser Thr Pro Arg Lys Ile Ala Tyr Gly Met Gly Ile
370 375 380

Ala Gly Phe Ala Tyr Leu Phe Leu Met Gly Phe Ser Leu Val His Asn
385 390 395 400

Tyr Pro Ser Ala Glu Gln Phe Thr Ser Leu Glu Pro Ala Val Arg Ala
405 410 415

Thr Met Lys Ala Gly Pro Met Ile Leu Ile Leu Thr Tyr Phe Phe Leu
420 425 430

Thr Val Ala Glu Leu Phe Ile Ser Pro Leu Gly Leu Ser Phe Val Ser
435 440 445

Lys Val Ala Pro Lys Asn Leu Gln Gly Leu Cys Gln Gly Leu Trp Leu
450 455 460

Gly Ala Thr Ala Val Gly Asn Gly Phe Leu Trp Ile Gly Pro Leu Met
465 470 475 480

Tyr Asn Lys Trp Ser Ile Trp Thr Cys Trp Leu Val Phe Ala Ile Val
485 490 495

Cys Phe Ile Ser Met Val Val Met Phe Gly Met Val Lys Trp Leu Glu
500 505 510

Arg Val Thr Lys Ser
515

<210> 64
<211> 395
<212> PRT

<213> Desconocido

<220>

<221> fuente

<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 64

Met Gln Lys Lys Ile Lys Ile Gly Leu Leu Pro Arg Val Ile Ile Ala
1 5 10 15Ile Leu Leu Gly Leu Phe Leu Gly Tyr Tyr Leu Pro Asp Pro Ala Val
20 25 30Arg Val Phe Leu Thr Phe Asn Ser Ile Phe Ser Gln Phe Leu Gly Phe
35 40 45Met Ile Pro Leu Ile Ile Ile Gly Leu Val Thr Pro Ala Ile Ala Gly
50 55 60Ile Gly Lys Gly Ala Gly Lys Leu Leu Leu Ala Thr Val Ala Ile Ala
65 70 75 80Tyr Val Asp Thr Ile Val Ala Gly Gly Leu Ser Tyr Gly Thr Gly Thr
85 90 95Trp Leu Phe Pro Ser Met Ile Ala Ser Thr Gly Gly Ala Ile Pro His
100 105 110Ile Asp Lys Ala Thr Glu Leu Thr Pro Tyr Phe Thr Ile Asn Ile Pro
115 120 125Ala Met Val Asp Val Met Ser Ser Leu Val Phe Ser Phe Ile Ala Gly
130 135 140Leu Gly Ile Ala Tyr Gly Gly Leu Arg Thr Met Glu Asn Leu Phe Asn
145 150 155 160Glu Phe Lys Thr Val Ile Glu Lys Val Ile Glu Lys Ala Ile Ile Pro
165 170 175Leu Leu Pro Leu Tyr Ile Phe Gly Val Phe Leu Ser Met Thr His Asn
180 185 190Gly Gln Ala Arg Gln Val Leu Leu Val Phe Ser Gln Ile Ile Ile Val
195 200 205Ile Leu Val Leu His Val Leu Ile Leu Ile Tyr Glu Phe Cys Ile Ala
210 215 220Gly Ala Ile Val Lys His Asn Pro Phe Arg Leu Leu Trp Asn Met Leu
225 230 235 240Pro Ala Tyr Leu Thr Ala Leu Gly Thr Ser Ser Ser Ala Ala Thr Ile
245 250 255Pro Val Thr Leu Lys Gln Thr Val Lys Asn Gly Val Ser Glu Glu Val
260 265 270Ala Gly Phe Val Val Pro Leu Cys Ala Thr Ile His Leu Ser Gly Ser
275 280 285Ala Met Lys Ile Thr Ala Cys Ala Leu Thr Ile Cys Met Leu Thr Asp
290 295 300Leu Pro His Asp Pro Gly Leu Phe Ile Tyr Phe Ile Leu Met Leu Ala
305 310 315 320Ile Ile Met Val Ala Ala Pro Gly Val Pro Gly Gly Ala Ile Met Ala
325 330 335Ala Leu Ala Pro Leu Ser Ser Ile Leu Gly Phe Asn Glu Glu Ala Gln
340 345 350Ala Leu Met Ile Ala Leu Tyr Ile Ala Met Asp Ser Phe Gly Thr Ala
355 360 365Cys Asn Val Thr Gly Asp Gly Ala Ile Ala Leu Ala Val Asn Lys Phe
370 375 380

200328 P20195C000 - Listado de secuencias

Phe Gly Lys Lys Lys Glu Thr Ser Ile Leu Ser
385 390 395

<210> 65
<211> 208
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 65
Met Ile Ser Val Tyr Ser Ile Lys Pro Gln Phe Gln Arg Val Leu Thr
1 5 10 15

Pro Ile Leu Glu Leu Leu His Arg Ala Lys Val Thr Ala Asn Gln Ile
20 25 30

Thr Leu Trp Ala Cys Val Leu Ser Leu Val Ile Gly Ile Leu Phe Trp
35 40 45

Phe Ala Gly Asp Val Gly Thr Trp Leu Tyr Leu Cys Leu Pro Val Gly
50 55 60

Leu Leu Ile Arg Met Ala Leu Asn Ala Leu Asp Gly Met Met Ala Arg
65 70 75 80

Arg Tyr Asn Gln Ile Thr Arg Lys Gly Glu Leu Leu Asn Glu Val Gly
85 90 95

Asp Val Val Ser Asp Thr Ile Ile Tyr Phe Pro Leu Leu Lys Tyr His
100 105 110

Pro Glu Ser Leu Tyr Phe Ile Val Ala Phe Ile Ala Leu Ser Ile Ile
115 120 125

Asn Glu Tyr Ala Gly Val Met Gly Lys Val Leu Ser Ala Glu Arg Arg
130 135 140

Tyr Asp Gly Pro Met Gly Lys Ser Asp Arg Ala Phe Val Leu Gly Leu
145 150 155 160

Tyr Gly Val Val Cys Leu Phe Gly Ile Asn Leu Ser Gly Tyr Ser Val
165 170 175

Tyr Ile Phe Gly Val Ile Asp Leu Leu Leu Val Leu Ser Thr Trp Ile
180 185 190

Arg Ile Lys Lys Thr Leu Lys Val Thr Arg Asn Ser Gln Thr Pro Glu
195 200 205

<210> 66
<211> 582
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 66
Met Lys Leu Ser Thr Ile Leu Leu Ser Ile Met Leu Gly Leu Ser Ser
1 5 10 15

Ser Thr Met Ala Gln Gln Lys Asp Val Thr Ile Lys Leu Ile Glu Thr
20 25 30

Thr Asp Val His Gly Ser Phe Phe Pro Tyr Asp Phe Ile Thr Arg Lys
35 40 45

Pro Lys Ser Gly Ser Met Ala Arg Val Tyr Thr Leu Val Glu Glu Leu
50 55 60

Arg Lys Lys Asp Gly Lys Asp Asn Val Tyr Leu Leu Asp Asn Gly Asp
65 70 75 80

Ile Leu Gln Gly Gln Pro Ile Ser Tyr Tyr Tyr Asn Tyr Val Ala Pro
85 90 95

Glu Lys Thr Asn Ile Ala Ala Ser Val Leu Asn Tyr Met Gly Tyr Asp
 100 105 110
 Val Ala Thr Val Gly Asn His Asp Ile Glu Thr Gly His Lys Val Tyr
 115 120 125
 Asp Lys Trp Phe Lys Glu Leu Lys Phe Pro Ile Leu Gly Ala Asn Ile
 130 135 140
 Ile Asp Thr Lys Thr Asn Lys Pro Tyr Ile Leu Pro Tyr Tyr Thr Ile
 145 150 155 160
 Lys Lys Lys Asn Gly Ile Lys Val Cys Val Ile Gly Met Leu Thr Pro
 165 170 175
 Ala Ile Pro Asn Trp Leu Lys Glu Ser Ile Trp Ser Gly Leu Arg Phe
 180 185 190
 Glu Glu Met Val Ser Cys Ala Lys Arg Thr Met Ala Glu Val Lys Thr
 195 200 205
 Gln Glu Lys Pro Asp Val Ile Val Gly Leu Phe His Ser Gly Trp Asp
 210 215 220
 Gly Gly Ile Lys Thr Pro Glu Tyr Asp Glu Asp Ala Ser Lys Lys Val
 225 230 235 240
 Ala Lys Glu Val Pro Gly Phe Asp Ile Val Phe Phe Gly His Asp His
 245 250 255
 Thr Pro His Ser Ser Ile Glu Lys Asn Ile Val Gly Lys Asp Val Ile
 260 265 270
 Cys Leu Asp Pro Ala Asn Asn Ala Gln Arg Val Ala Ile Ala Thr Leu
 275 280 285
 Thr Leu Arg Pro Lys Thr Val Lys Gly Lys Arg Gln Tyr Thr Val Thr
 290 295 300
 Lys Ala Thr Gly Glu Leu Val Asp Val Lys Glu Leu Lys Ala Asp Asp
 305 310 315 320
 Ala Phe Ile Gln His Phe Gln Pro Glu Ile Asp Ala Val Lys Ala Trp
 325 330 335
 Ser Asp Gln Val Ile Gly Arg Phe Glu Asn Thr Ile Tyr Ser Lys Asp
 340 345 350
 Ser Tyr Phe Gly Asn Ser Ala Phe Asn Asp Leu Ile Leu Asn Leu Glu
 355 360 365
 Leu Glu Ile Thr Lys Ala Asp Ile Ala Phe Asn Ala Pro Leu Leu Phe
 370 375 380
 Asn Ala Ser Ile Lys Ala Gly Pro Ile Thr Val Ala Asp Met Phe Asn
 385 390 395 400
 Leu Tyr Lys Tyr Glu Asn Asn Leu Cys Thr Met Arg Leu Thr Gly Lys
 405 410 415
 Glu Ile Arg Lys His Leu Glu Met Ser Tyr Asp Leu Trp Cys Asn Thr
 420 425 430
 Met Lys Ser Pro Glu Asp His Leu Leu Leu Leu Ser Ser Thr Gln Asn
 435 440 445
 Asp Ala Gln Arg Leu Gly Phe Lys Asn Phe Ser Phe Asn Phe Asp Ser
 450 455 460
 Ala Ala Gly Ile Asp Tyr Glu Val Asp Val Thr Lys Pro Asp Gly Gln
 465 470 475 480
 Lys Val Arg Ile Leu Arg Met Ser Asn Gly Glu Pro Phe Asp Glu Asn
 485 490 495
 Lys Trp Tyr Thr Val Ala Val Asn Ser Tyr Arg Ala Asn Gly Gly Gly
 500 505 510

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Glu Leu Leu Thr Lys Gly Ala Gly Ile Pro Arg Asp Ser Leu Lys Ser
515 520 525

Arg Ile Ile Trp Glu Ser Pro Lys Asp Gln Arg His Tyr Leu Met Glu
530 535 540

Glu Ile Lys Lys Ala Gly Val Met Asn Pro Gln Pro Asn His Asn Trp
545 550 555 560

Lys Phe Ile Pro Glu Thr Trp Thr Val Pro Ala Ala Ala Arg Asp Arg
565 570 575

Lys Leu Leu Phe Gly Glu
580

<210> 67
<211> 826
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 67
Met Lys Leu Ser Glu Leu Lys Thr Gly Glu Thr Gly Val Ile Val Lys
1 5 10 15

Val Ser Gly His Gly Gly Phe Arg Lys Arg Ile Ile Glu Met Gly Phe
20 25 30

Ile Lys Gly Lys Thr Val Glu Val Leu Leu Asn Ala Pro Leu Gln Asp
35 40 45

Pro Val Lys Tyr Lys Ile Met Gly Tyr Glu Val Ser Leu Arg His Ser
50 55 60

Glu Ala Asp Gln Ile Glu Val Leu Ser Asp Val Lys Thr His Ser Val
65 70 75 80

Gly Asn Glu Glu Glu Gln Glu Asp Asn Gln Leu Glu Met Asp Ser Thr
85 90 95

Thr Tyr Asp Ser Thr Asp Lys Glu Leu Thr Pro Glu Lys Gln Ser Asp
100 105 110

Ala Val Arg Arg Lys Asn His Thr Ile Asn Val Ala Leu Val Gly Asn
115 120 125

Pro Asn Cys Gly Lys Thr Ser Leu Phe Asn Phe Ala Ser Gly Ala His
130 135 140

Glu Arg Val Gly Asn Tyr Ser Gly Val Thr Val Asp Ala Lys Val Gly
145 150 155 160

Arg Ala Glu Phe Asp Gly Tyr Val Phe Asn Leu Val Asp Leu Pro Gly
165 170 175

Thr Tyr Ser Leu Ser Ala Tyr Ser Pro Glu Glu Leu Tyr Val Arg Lys
180 185 190

Gln Leu Val Asp Lys Thr Pro Asp Val Val Ile Asn Val Ile Asp Ser
195 200 205

Ser Asn Leu Glu Arg Asn Leu Tyr Leu Thr Thr Gln Leu Ile Asp Met
210 215 220

His Ile Arg Met Val Cys Ala Leu Asn Met Phe Asp Glu Thr Glu Gln
225 230 235 240

Arg Gly Asp His Ile Asp Ala Gln Lys Leu Ser Glu Leu Phe Gly Val
245 250 255

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

Phe Arg Gln Ile Ile Ala Val Tyr Glu Gly Lys Glu Asp Glu Ser Leu
275 280 285

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Gln Phe Arg His Ile His Ile Asn His Gly His Glu Ile Glu Asn Gly
 290 295 300
 Ile Lys Glu Met Gln Glu His Leu Lys Lys Tyr Pro Glu Leu Cys His
 305 310 315 320
 Arg Tyr Ser Thr Arg Tyr Leu Ala Ile Lys Leu Leu Glu His Asp Lys
 325 330 335
 Asp Val Glu Gln Leu Val Ser Pro Leu Gly Asp Ser Ile Glu Ile Phe
 340 345 350
 Asn His Arg Asp Thr Ala Ala Ala Arg Val Lys Glu Glu Thr Gly Asn
 355 360 365
 Asp Ser Glu Thr Ala Ile Met Asp Ala Lys Tyr Gly Phe Ile Asn Gly
 370 375 380
 Ala Leu Lys Glu Ala Asn Phe Ser Thr Gly Asp Lys Lys Asp Thr Tyr
 385 390 395 400
 Gln Thr Thr His Val Ile Asp His Val Leu Thr Asn Lys Tyr Phe Gly
 405 410 415
 Phe Pro Ile Phe Phe Leu Val Leu Leu Val Met Phe Thr Ala Thr Phe
 420 425 430
 Val Ile Gly Gln Tyr Pro Met Asp Trp Ile Glu Ala Gly Val Gly Trp
 435 440 445
 Leu Gly Glu Phe Ile Ser Lys Asn Met Pro Ala Gly Pro Val Lys Asp
 450 455 460
 Met Ile Val Asp Gly Ile Ile Gly Gly Val Gly Ala Val Ile Val Phe
 465 470 475 480
 Leu Pro Gln Ile Leu Ile Leu Tyr Phe Phe Ile Ser Tyr Met Glu Asp
 485 490 495
 Cys Gly Tyr Met Ser Arg Ala Ala Phe Ile Met Asp Arg Leu Met His
 500 505 510
 Lys Met Gly Leu His Gly Lys Ser Phe Ile Pro Leu Ile Met Gly Phe
 515 520 525
 Gly Cys Asn Val Pro Ala Val Met Ala Thr Arg Thr Ile Glu Ser Arg
 530 535 540
 Arg Ser Arg Leu Ile Thr Met Leu Ile Leu Pro Leu Met Ser Cys Ser
 545 550 555 560
 Ala Arg Leu Pro Ile Tyr Val Met Ile Thr Gly Ser Phe Phe Ala Leu
 565 570 575
 Lys Tyr Arg Ser Leu Ala Met Leu Ser Leu Tyr Ile Ile Gly Val Leu
 580 585 590
 Met Ala Val Ala Met Ser Arg Leu Phe Ser Ala Phe Val Val Lys Gly
 595 600 605
 Glu Asp Thr Pro Phe Val Met Glu Leu Pro Pro Tyr Arg Phe Pro Thr
 610 615 620
 Trp Lys Ala Ile Gly Arg His Thr Trp Glu Lys Gly Lys Gln Tyr Leu
 625 630 635 640
 Lys Lys Met Gly Gly Ile Ile Leu Val Ala Ser Ile Ile Val Trp Ala
 645 650 655
 Leu Gly Tyr Phe Pro Leu Pro Asp Asp Pro Asn Met Asp Asn Gln Ala
 660 665 670
 Arg Gln Glu Gln Ser Tyr Ile Gly Arg Ile Gly Lys Ala Val Glu Pro
 675 680 685
 Val Phe Arg Pro Gln Gly Phe Asn Trp Lys Leu Asp Val Gly Leu Leu
 690 695 700

Ser Gly Met Gly Ala Lys Glu Ile Val Ala Ser Thr Met Gly Val Leu
705 710 715 720

Tyr Ser Asn Asp Gly Ser Phe Ser Asp Asp Asn Gly Tyr Ser Ser Glu
725 730 735

Thr Gly Lys Tyr Ser Lys Leu His Asn Leu Ile Thr Lys Asp Val Ala
740 745 750

Thr Met His His Ile Ser Tyr Glu Glu Ala Glu Pro Ile Ala Thr Leu
755 760 765

Thr Ala Phe Ser Phe Leu Leu Phe Val Leu Leu Tyr Phe Pro Cys Val
770 775 780

Ala Thr Ile Ala Ala Ile Lys Gly Glu Thr Gly Ser Trp Gly Trp Ala
785 790 795 800

Leu Phe Ala Ala Gly Tyr Thr Thr Ala Leu Ala Trp Ile Val Ser Ala
805 810 815

Val Val Phe Gln Val Gly Met Leu Phe Met
820 825

<210> 68
<211> 437
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 68
Met Glu Ser Phe Ile Ile Glu Gly Gly His Gln Leu Ser Gly Thr Ile
1 5 10 15

Ala Pro Gln Gly Ala Lys Asn Glu Ala Leu Glu Val Ile Cys Ala Thr
20 25 30

Leu Leu Thr Ser Glu Glu Val Ile Ile Arg Asn Val Pro Asp Ile Leu
35 40 45

Asp Val Asn Asn Leu Ile Lys Leu Leu Gln Asp Ile Gly Val Lys Val
50 55 60

Lys Lys Leu Ala Pro Asn Glu Phe Ser Phe Gln Ala Asp Glu Val Asn
65 70 75 80

Leu Asp Tyr Leu Glu Ser Ser Asp Phe Val Lys Lys Cys Ser Ser Leu
85 90 95

Arg Gly Ser Val Leu Met Ile Gly Pro Leu Leu Gly Arg Phe Gly Lys
100 105 110

Ala Thr Ile Ala Lys Pro Gly Gly Asp Lys Ile Gly Arg Arg Arg Leu
115 120 125

Asp Thr His Phe Leu Gly Phe Lys Asn Leu Gly Ala His Phe Gly Arg
130 135 140

Val Glu Asp Arg Asp Val Tyr Glu Ile Gln Ala Asp Lys Leu Val Gly
145 150 155 160

Thr Tyr Met Leu Leu Asp Glu Ala Ser Ile Thr Gly Thr Ala Asn Ile
165 170 175

Ile Met Ala Ala Val Leu Ala Glu Gly Thr Thr Thr Ile Tyr Asn Ala
180 185 190

Ala Cys Glu Pro Tyr Ile Gln Gln Leu Cys Lys Met Leu Asn Ala Met
195 200 205

Gly Ala Lys Ile Ser Gly Ile Ala Ser Asn Leu Ile Thr Ile Glu Gly
210 215 220

Val Lys Glu Leu His Ser Ala Asp His Arg Ile Leu Pro Asp Met Ile
225 230 235 240

Glu Val Gly Ser Phe Ile Gly Ile Ala Ala Met Ile Gly Asp Gly Val
245 250 255

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

Phe His Arg Leu Gly Val Gln Ile Ile Val Asp Asn Asp Asp Leu Ile
275 280 285

Ile Pro Arg Gln Asp His Tyr Val Ile Asp Ser Phe Ile Asp Gly Thr
290 295 300

Ile Met Thr Ile Ser Asp Ala Pro Trp Pro Gly Leu Thr Pro Asp Leu
305 310 315 320

Ile Ser Val Leu Leu Val Val Ala Thr Gln Ala Gln Gly Ser Val Leu
325 330 335

Phe His Gln Lys Met Phe Glu Ser Arg Leu Phe Phe Val Asp Lys Leu
340 345 350

Ile Asp Met Gly Ala Gln Ile Ile Leu Cys Asp Pro His Arg Ala Val
355 360 365

Val Val Gly His Asp Asn Ala Lys Lys Leu Arg Ala Gly Arg Met Ser
370 375 380

Ser Pro Asp Ile Arg Ala Gly Ile Ala Leu Leu Ile Ala Ala Leu Thr
385 390 395 400

Ala Gln Gly Thr Ser Arg Ile Asp Asn Ile Val Gln Ile Asp Arg Gly
405 410 415

Tyr Glu Asn Ile Glu Gly Arg Leu Asn Ala Leu Gly Ala Lys Ile Gln
420 425 430

Arg Ala Glu Val Cys
435

<210> 69
<211> 244
<212> PRT
<213> Desconocido

<220>
<221> fuente
<223> /nota="Descripción de Desconocido:
Secuencia de Prevotella"

<400> 69
Met Asn Ile Ala Val Ile Phe Ala Gly Gly Ser Gly Leu Arg Met His
1 5 10 15

Thr Lys Ser Arg Pro Lys Gln Phe Leu Asp Leu Asn Gly Lys Pro Ile
20 25 30

Ile Ile Tyr Thr Leu Glu Leu Phe Asp Asn His Pro Asn Ile Asp Ala
35 40 45

Ile Val Val Ala Cys Ile Glu Ser Trp Ile Pro Phe Leu Glu Lys Gln
50 55 60

Leu Arg Lys Phe Glu Ile Asn Lys Val Val Lys Ile Ile Pro Gly Gly
65 70 75 80

Lys Ser Gly Gln Glu Ser Ile Tyr Lys Gly Leu Cys Ala Ala Glu Glu
85 90 95

Tyr Ala Gln Ser Lys Gly Val Ser Asn Glu Glu Thr Thr Val Leu Ile
100 105 110

His Asp Gly Val Arg Pro Leu Ile Thr Glu Glu Thr Ile Thr Asp Asn
115 120 125

Ile Lys Lys Val Glu Glu Val Gly Ser Cys Ile Thr Cys Ile Pro Ala
130 135 140

Thr Glu Thr Leu Ile Val Lys Gln Ala Asp Asp Ala Leu Glu Ile Pro
145 150 155 160

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Ser Arg Ala Asp Ser Phe Ile Ala Arg Ala Pro Gln Ser Phe Arg Leu
165 170 175

Ile Asp Ile Ile Thr Ala His Arg Arg Ser Leu Ala Glu Gly Lys Ala
180 185 190

Asp Phe Ile Asp Ser Cys Thr Met Met Ser His Tyr Gly Tyr Lys Leu
195 200 205

Gly Thr Ile Ile Gly Pro Met Glu Asn Ile Lys Ile Thr Thr Pro Thr
210 215 220

Asp Phe Phe Val Leu Arg Ala Met Val Lys Val His Glu Asp Gln Gln
225 230 235 240

Ile Phe Gly Leu