**Supplementary Table 8. Analysis of proteins in the 18 bands excised from mass spectrometry by SignalP**

**Band\_001**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200423150454

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_00918 OTHER 0.005290 0.008908 0.000968 0.984835

PCKMOKAE\_00480 OTHER 0.044447 0.001502 0.029325 0.924725

PCKMOKAE\_01967 OTHER 0.008056 0.005283 0.000410 0.986251

PCKMOKAE\_01917 OTHER 0.003298 0.000552 0.000220 0.995930

PCKMOKAE\_00938 OTHER 0.220300 0.011597 0.271487 0.496617

**Band\_002**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200423152436

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_00616 OTHER 0.012784 0.017081 0.001316 0.968819

PCKMOKAE\_00307 OTHER 0.009458 0.006558 0.001589 0.982395

PCKMOKAE\_01561 OTHER 0.014291 0.003116 0.005517 0.977076

PCKMOKAE\_00579 OTHER 0.001577 0.001383 0.000171 0.996869

PCKMOKAE\_00222 OTHER 0.019112 0.007874 0.003471 0.969543

PCKMOKAE\_01908 OTHER 0.066682 0.094763 0.025785 0.812770

PCKMOKAE\_01997 OTHER 0.010133 0.007053 0.003962 0.978852

PCKMOKAE\_01350 OTHER 0.045615 0.008452 0.011438 0.934495

PCKMOKAE\_00009 OTHER 0.003609 0.002005 0.000594 0.993792

PCKMOKAE\_00480 OTHER 0.044447 0.001502 0.029325 0.924725

PCKMOKAE\_00747 OTHER 0.004325 0.007977 0.001110 0.986588

PCKMOKAE\_00618 OTHER 0.003791 0.000753 0.000463 0.994994

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_00918 OTHER 0.005290 0.008908 0.000968 0.984835

PCKMOKAE\_01359 OTHER 0.038260 0.007410 0.003663 0.950667

PCKMOKAE\_01877 OTHER 0.004591 0.000440 0.000471 0.994499

PCKMOKAE\_01743 SP(Sec/SPI) 0.993628 0.001431 0.004024 0.000917 CS pos: 24-25. ASA-GN. Pr: 0.9660

PCKMOKAE\_00619 OTHER 0.002854 0.000481 0.000366 0.996299

PCKMOKAE\_00130 OTHER 0.012321 0.001830 0.001530 0.984319

PCKMOKAE\_02013 OTHER 0.009047 0.001507 0.000960 0.988486

PCKMOKAE\_01398 OTHER 0.112506 0.024521 0.004110 0.858863

PCKMOKAE\_00406 OTHER 0.005041 0.002959 0.001196 0.990804

PCKMOKAE\_01331 OTHER 0.004309 0.012357 0.000427 0.982906

PCKMOKAE\_01317 OTHER 0.007728 0.010783 0.000919 0.980570

PCKMOKAE\_00696 OTHER 0.006052 0.000510 0.002993 0.990444

PCKMOKAE\_01196 OTHER 0.028414 0.029893 0.001579 0.940114

PCKMOKAE\_00213 OTHER 0.015561 0.002097 0.001032 0.981310

PCKMOKAE\_00611 SP(Sec/SPI) 0.995312 0.000409 0.003824 0.000455 CS pos: 20-21. AVA-AH. Pr: 0.6705

**Band\_003**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200423153111

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_00866 OTHER 0.004199 0.001862 0.000404 0.993535

PCKMOKAE\_00170 OTHER 0.004116 0.001718 0.001348 0.992819

PCKMOKAE\_00527 OTHER 0.009324 0.003993 0.002328 0.984356

PCKMOKAE\_00621 SP(Sec/SPI) 0.871055 0.003619 0.021925 0.103401 CS pos: 27-28. VKA-EE. Pr: 0.5361

PCKMOKAE\_01579 OTHER 0.025709 0.053830 0.003615 0.916847

PCKMOKAE\_01948 OTHER 0.005397 0.001332 0.000575 0.992696

PCKMOKAE\_01725 OTHER 0.007560 0.001055 0.000933 0.990452

PCKMOKAE\_01065 OTHER 0.004835 0.005898 0.000604 0.988664

PCKMOKAE\_01771 OTHER 0.011314 0.007119 0.002173 0.979395

PCKMOKAE\_00656 OTHER 0.007917 0.000470 0.000654 0.990959

PCKMOKAE\_01670 OTHER 0.046669 0.024358 0.008677 0.920296

PCKMOKAE\_01508 OTHER 0.047892 0.001298 0.001044 0.949767

PCKMOKAE\_01429 OTHER 0.004254 0.000416 0.000848 0.994481

PCKMOKAE\_00243 OTHER 0.041676 0.281907 0.005139 0.671278

PCKMOKAE\_00617 OTHER 0.003307 0.004620 0.000426 0.991647

PCKMOKAE\_02015 OTHER 0.244898 0.003432 0.061603 0.690067

PCKMOKAE\_00642 OTHER 0.009812 0.003324 0.002106 0.984758

PCKMOKAE\_01805 OTHER 0.015183 0.009566 0.002609 0.972642

PCKMOKAE\_01838 OTHER 0.148040 0.001231 0.020008 0.830722

PCKMOKAE\_01138 OTHER 0.014453 0.188010 0.003131 0.794407

PCKMOKAE\_02067 OTHER 0.022731 0.003072 0.003993 0.970204

PCKMOKAE\_01350 OTHER 0.045615 0.008452 0.011438 0.934495

PCKMOKAE\_01877 OTHER 0.004591 0.000440 0.000471 0.994499

PCKMOKAE\_01133 SP(Sec/SPI) 0.886743 0.012377 0.004659 0.096221 CS pos: 21-22. AQA-FA. Pr: 0.2430

PCKMOKAE\_01160 OTHER 0.058765 0.003421 0.007178 0.930636

PCKMOKAE\_02028 OTHER 0.005348 0.000712 0.012657 0.981283

PCKMOKAE\_00616 OTHER 0.012784 0.017081 0.001316 0.968819

PCKMOKAE\_01398 OTHER 0.112506 0.024521 0.004110 0.858863

PCKMOKAE\_01059 OTHER 0.012892 0.001429 0.001214 0.984466

PCKMOKAE\_01968 OTHER 0.005468 0.008217 0.000542 0.985774

PCKMOKAE\_01672 OTHER 0.110029 0.116632 0.003342 0.769997

PCKMOKAE\_01986 OTHER 0.019992 0.001079 0.003066 0.975863

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_00714 OTHER 0.467022 0.004821 0.012115 0.516042

PCKMOKAE\_01879 OTHER 0.035116 0.150724 0.001253 0.812906

PCKMOKAE\_00591 OTHER 0.009659 0.006125 0.000778 0.983439

PCKMOKAE\_01275 OTHER 0.008283 0.002663 0.000552 0.988503

PCKMOKAE\_02186 OTHER 0.034846 0.004803 0.003998 0.956354

PCKMOKAE\_00579 OTHER 0.001577 0.001383 0.000171 0.996869

PCKMOKAE\_01024 OTHER 0.003793 0.001499 0.000335 0.994373

PCKMOKAE\_00325 OTHER 0.009859 0.000946 0.000804 0.988390

PCKMOKAE\_01440 OTHER 0.002609 0.004271 0.000319 0.992801

PCKMOKAE\_00309 OTHER 0.002699 0.002059 0.000419 0.994823

PCKMOKAE\_01748 OTHER 0.008539 0.001292 0.005287 0.984883

PCKMOKAE\_01561 OTHER 0.014291 0.003116 0.005517 0.977076

PCKMOKAE\_00424 OTHER 0.217531 0.001717 0.024903 0.755850

PCKMOKAE\_00619 OTHER 0.002854 0.000481 0.000366 0.996299

PCKMOKAE\_00436 OTHER 0.003898 0.002132 0.000673 0.993298

PCKMOKAE\_01533 OTHER 0.036622 0.087573 0.000908 0.874897

PCKMOKAE\_02136 OTHER 0.004198 0.001254 0.000845 0.993703

PCKMOKAE\_00831 OTHER 0.130622 0.067956 0.030987 0.770435

PCKMOKAE\_00345 OTHER 0.002181 0.000296 0.000243 0.997280

PCKMOKAE\_00675 OTHER 0.012127 0.001587 0.001581 0.984705

PCKMOKAE\_01168 OTHER 0.002279 0.000489 0.001795 0.995437

PCKMOKAE\_00213 OTHER 0.015561 0.002097 0.001032 0.981310

PCKMOKAE\_02060 OTHER 0.314671 0.176827 0.011998 0.496504

PCKMOKAE\_00253 OTHER 0.313403 0.004809 0.006604 0.675184

PCKMOKAE\_00353 SP(Sec/SPI) 0.997537 0.000175 0.001956 0.000332 CS pos: 19-20. ATA-DV. Pr: 0.8670

PCKMOKAE\_01503 OTHER 0.053470 0.017818 0.004827 0.923885

PCKMOKAE\_02019 OTHER 0.006273 0.001044 0.000568 0.992115

PCKMOKAE\_01924 OTHER 0.010285 0.024406 0.002401 0.962908

PCKMOKAE\_01702 LIPO(Sec/SPII) 0.001714 0.000109 0.997790 0.000386 CS pos: 20-21. LAG-CE. Pr: 0.9984

PCKMOKAE\_01034 OTHER 0.014536 0.016769 0.001724 0.966971

PCKMOKAE\_02088 OTHER 0.036085 0.000797 0.003817 0.959302

PCKMOKAE\_01965 OTHER 0.248083 0.017595 0.003715 0.730607

**Band\_004**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200423160347

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_01877 OTHER 0.004591 0.000440 0.000471 0.994499

PCKMOKAE\_00222 OTHER 0.019112 0.007874 0.003471 0.969543

PCKMOKAE\_01405 OTHER 0.008098 0.002857 0.000691 0.988354

PCKMOKAE\_00569 OTHER 0.003542 0.002002 0.000378 0.994078

PCKMOKAE\_01398 OTHER 0.112506 0.024521 0.004110 0.858863

PCKMOKAE\_00309 OTHER 0.002699 0.002059 0.000419 0.994823

PCKMOKAE\_01256 OTHER 0.006214 0.005716 0.001081 0.986989

PCKMOKAE\_01147 OTHER 0.003692 0.002833 0.000448 0.993027

PCKMOKAE\_00617 OTHER 0.003307 0.004620 0.000426 0.991647

PCKMOKAE\_00866 OTHER 0.004199 0.001862 0.000404 0.993535

PCKMOKAE\_01350 OTHER 0.045615 0.008452 0.011438 0.934495

PCKMOKAE\_00737 OTHER 0.010189 0.002214 0.000802 0.986795

PCKMOKAE\_01067 OTHER 0.005947 0.002063 0.001258 0.990732

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_01503 OTHER 0.053470 0.017818 0.004827 0.923885

PCKMOKAE\_01317 OTHER 0.007728 0.010783 0.000919 0.980570

PCKMOKAE\_00404 OTHER 0.007094 0.004074 0.000707 0.988125

PCKMOKAE\_00215 OTHER 0.021097 0.002985 0.003281 0.972636

PCKMOKAE\_02199 OTHER 0.004100 0.009778 0.000500 0.985622

PCKMOKAE\_00170 OTHER 0.004116 0.001718 0.001348 0.992819

PCKMOKAE\_00342 SP(Sec/SPI) 0.998160 0.000528 0.000581 0.000732 CS pos: 21-22. AFA-DF. Pr: 0.9952

PCKMOKAE\_01567 LIPO(Sec/SPII) 0.002504 0.000071 0.996641 0.000784 CS pos: 20-21. LSA-CL. Pr: 0.9966

PCKMOKAE\_00353 SP(Sec/SPI) 0.997537 0.000175 0.001956 0.000332 CS pos: 19-20. ATA-DV. Pr: 0.8670

PCKMOKAE\_01858 OTHER 0.006396 0.002238 0.001237 0.990129

PCKMOKAE\_00808 OTHER 0.011179 0.008800 0.001876 0.978145

PCKMOKAE\_01160 OTHER 0.058765 0.003421 0.007178 0.930636

PCKMOKAE\_01531 OTHER 0.004389 0.017665 0.000861 0.977085

PCKMOKAE\_01989 OTHER 0.005089 0.006997 0.000806 0.987108

PCKMOKAE\_01878 OTHER 0.007402 0.017534 0.004169 0.970894

PCKMOKAE\_01491 OTHER 0.004412 0.000840 0.000767 0.993981

PCKMOKAE\_00918 OTHER 0.005290 0.008908 0.000968 0.984835

PCKMOKAE\_01748 OTHER 0.008539 0.001292 0.005287 0.984883

PCKMOKAE\_01460 OTHER 0.007094 0.011155 0.000984 0.980767

PCKMOKAE\_01088 OTHER 0.004187 0.001702 0.001167 0.992945

PCKMOKAE\_01217 OTHER 0.008246 0.003304 0.001047 0.987403

PCKMOKAE\_01910 OTHER 0.374014 0.086369 0.044173 0.495445

PCKMOKAE\_00739 OTHER 0.061240 0.000648 0.017627 0.920485

PCKMOKAE\_00307 OTHER 0.009458 0.006558 0.001589 0.982395

PCKMOKAE\_01308 OTHER 0.137265 0.234038 0.012358 0.616339

PCKMOKAE\_01261 OTHER 0.010519 0.000800 0.000913 0.987767

PCKMOKAE\_00619 OTHER 0.002854 0.000481 0.000366 0.996299

PCKMOKAE\_01283 OTHER 0.003995 0.001460 0.002677 0.991868

PCKMOKAE\_00984 OTHER 0.011030 0.004953 0.000664 0.983353

PCKMOKAE\_00213 OTHER 0.015561 0.002097 0.001032 0.981310

**Band\_005**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200423165129

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_00753 SP(Sec/SPI) 0.994172 0.004492 0.000986 0.000350 CS pos: 22-23. TLA-AN. Pr: 0.9792

PCKMOKAE\_01818 OTHER 0.009769 0.002928 0.002259 0.985045

PCKMOKAE\_01041 OTHER 0.001760 0.000274 0.000559 0.997408

PCKMOKAE\_01160 OTHER 0.058765 0.003421 0.007178 0.930636

PCKMOKAE\_00519 OTHER 0.027254 0.039641 0.010262 0.922843

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_01984 OTHER 0.067688 0.231506 0.005327 0.695479

PCKMOKAE\_01128 OTHER 0.002013 0.002100 0.000319 0.995568

PCKMOKAE\_00424 OTHER 0.217531 0.001717 0.024903 0.755850

PCKMOKAE\_00298 OTHER 0.312303 0.248422 0.010200 0.429074

PCKMOKAE\_00652 OTHER 0.024264 0.007870 0.010622 0.957245

PCKMOKAE\_01035 LIPO(Sec/SPII) 0.005255 0.000939 0.993161 0.000645 CS pos: 24-25. LSS-CG. Pr: 0.9935

PCKMOKAE\_00834 OTHER 0.012564 0.003822 0.006023 0.977592

PCKMOKAE\_01286 OTHER 0.007946 0.003058 0.001609 0.987387

PCKMOKAE\_00461 OTHER 0.017721 0.005191 0.002418 0.974671

PCKMOKAE\_01752 OTHER 0.002011 0.001182 0.000226 0.996581

PCKMOKAE\_00044 OTHER 0.238434 0.013664 0.070696 0.677206

PCKMOKAE\_01278 OTHER 0.040875 0.017533 0.005534 0.936058

PCKMOKAE\_00835 OTHER 0.057563 0.018743 0.145050 0.778644

PCKMOKAE\_00520 OTHER 0.004511 0.002176 0.000730 0.992583

PCKMOKAE\_02175 OTHER 0.002610 0.004368 0.000169 0.992853

PCKMOKAE\_01037 LIPO(Sec/SPII) 0.001652 0.000223 0.997516 0.000609 CS pos: 20-21. LSA-CT. Pr: 0.9987

PCKMOKAE\_01153 OTHER 0.061370 0.002990 0.002050 0.933590

PCKMOKAE\_02068 OTHER 0.026047 0.143469 0.001839 0.828645

PCKMOKAE\_00152 OTHER 0.005837 0.056695 0.001699 0.935769

PCKMOKAE\_01926 OTHER 0.013651 0.004286 0.001146 0.980917

PCKMOKAE\_01644 OTHER 0.008941 0.000683 0.002183 0.988193

PCKMOKAE\_00549 OTHER 0.027920 0.000535 0.003880 0.967665

PCKMOKAE\_00866 OTHER 0.004199 0.001862 0.000404 0.993535

PCKMOKAE\_00760 OTHER 0.012703 0.206173 0.002333 0.778792

PCKMOKAE\_00445 OTHER 0.012032 0.005335 0.002675 0.979958

PCKMOKAE\_00564 OTHER 0.006575 0.004416 0.000714 0.988295

PCKMOKAE\_01854 OTHER 0.011157 0.002115 0.002022 0.984707

PCKMOKAE\_01487 OTHER 0.047568 0.279783 0.008199 0.664449

PCKMOKAE\_01258 OTHER 0.006527 0.000533 0.000843 0.992096

PCKMOKAE\_00021 OTHER 0.012509 0.045111 0.035352 0.907028

PCKMOKAE\_01877 OTHER 0.004591 0.000440 0.000471 0.994499

PCKMOKAE\_00258 OTHER 0.005748 0.000168 0.000640 0.993444

PCKMOKAE\_01350 OTHER 0.045615 0.008452 0.011438 0.934495

PCKMOKAE\_00303 OTHER 0.017050 0.005712 0.001402 0.975836

PCKMOKAE\_00170 OTHER 0.004116 0.001718 0.001348 0.992819

PCKMOKAE\_00270 OTHER 0.005402 0.008356 0.001232 0.985010

PCKMOKAE\_01221 OTHER 0.010180 0.004120 0.000768 0.984932

PCKMOKAE\_01150 OTHER 0.045928 0.003371 0.021601 0.929100

PCKMOKAE\_01065 OTHER 0.004835 0.005898 0.000604 0.988664

PCKMOKAE\_00539 OTHER 0.019718 0.001448 0.004703 0.974131

PCKMOKAE\_01112 OTHER 0.062549 0.002556 0.013538 0.921357

PCKMOKAE\_00436 OTHER 0.003898 0.002132 0.000673 0.993298

PCKMOKAE\_00215 OTHER 0.021097 0.002985 0.003281 0.972636

PCKMOKAE\_01359 OTHER 0.038260 0.007410 0.003663 0.950667

PCKMOKAE\_00569 OTHER 0.003542 0.002002 0.000378 0.994078

PCKMOKAE\_00812 OTHER 0.015057 0.000976 0.009707 0.974260

PCKMOKAE\_01696 OTHER 0.007263 0.011303 0.001158 0.980276

PCKMOKAE\_00642 OTHER 0.009812 0.003324 0.002106 0.984758

PCKMOKAE\_00828 OTHER 0.079695 0.035147 0.009871 0.875286

PCKMOKAE\_01275 OTHER 0.008283 0.002663 0.000552 0.988503

PCKMOKAE\_00794 OTHER 0.130318 0.002353 0.013282 0.854047

PCKMOKAE\_01206 OTHER 0.181174 0.022335 0.008986 0.787504

PCKMOKAE\_01503 OTHER 0.053470 0.017818 0.004827 0.923885

PCKMOKAE\_01731 OTHER 0.005195 0.001388 0.000575 0.992841

PCKMOKAE\_00729 OTHER 0.005252 0.004441 0.001655 0.988652

PCKMOKAE\_01748 OTHER 0.008539 0.001292 0.005287 0.984883

PCKMOKAE\_01879 OTHER 0.035116 0.150724 0.001253 0.812906

PCKMOKAE\_02183 OTHER 0.055999 0.103874 0.029575 0.810552

PCKMOKAE\_00617 OTHER 0.003307 0.004620 0.000426 0.991647

PCKMOKAE\_01773 OTHER 0.001530 0.000332 0.001462 0.996676

PCKMOKAE\_00222 OTHER 0.019112 0.007874 0.003471 0.969543

PCKMOKAE\_01397 OTHER 0.006364 0.001518 0.000993 0.991125

PCKMOKAE\_00252 OTHER 0.002873 0.001267 0.000377 0.995484

PCKMOKAE\_00630 OTHER 0.013529 0.002603 0.001668 0.982200

PCKMOKAE\_00110 OTHER 0.003663 0.011732 0.002076 0.982529

PCKMOKAE\_00153 OTHER 0.006604 0.002087 0.000683 0.990626

PCKMOKAE\_01405 OTHER 0.008098 0.002857 0.000691 0.988354

PCKMOKAE\_00556 LIPO(Sec/SPII) 0.002638 0.000120 0.996924 0.000319 CS pos: 18-19. LSA-CT. Pr: 0.9975

PCKMOKAE\_01329 OTHER 0.004925 0.001198 0.001329 0.992547

**Band\_006**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200423173719

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_00753 SP(Sec/SPI) 0.994172 0.004492 0.000986 0.000350 CS pos: 22-23. TLA-AN. Pr: 0.9792

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_01818 OTHER 0.009769 0.002928 0.002259 0.985045

PCKMOKAE\_01160 OTHER 0.058765 0.003421 0.007178 0.930636

PCKMOKAE\_01633 OTHER 0.004609 0.002438 0.000476 0.992476

PCKMOKAE\_01041 OTHER 0.001760 0.000274 0.000559 0.997408

PCKMOKAE\_02068 OTHER 0.026047 0.143469 0.001839 0.828645

PCKMOKAE\_01984 OTHER 0.067688 0.231506 0.005327 0.695479

PCKMOKAE\_00258 OTHER 0.005748 0.000168 0.000640 0.993444

PCKMOKAE\_01128 OTHER 0.002013 0.002100 0.000319 0.995568

PCKMOKAE\_00298 OTHER 0.312303 0.248422 0.010200 0.429074

PCKMOKAE\_00519 OTHER 0.027254 0.039641 0.010262 0.922843

PCKMOKAE\_01286 OTHER 0.007946 0.003058 0.001609 0.987387

PCKMOKAE\_01942 OTHER 0.053188 0.012380 0.007288 0.927144

PCKMOKAE\_00424 OTHER 0.217531 0.001717 0.024903 0.755850

PCKMOKAE\_00461 OTHER 0.017721 0.005191 0.002418 0.974671

PCKMOKAE\_01752 OTHER 0.002011 0.001182 0.000226 0.996581

PCKMOKAE\_00834 OTHER 0.012564 0.003822 0.006023 0.977592

PCKMOKAE\_01150 OTHER 0.045928 0.003371 0.021601 0.929100

PCKMOKAE\_01037 LIPO(Sec/SPII) 0.001652 0.000223 0.997516 0.000609 CS pos: 20-21. LSA-CT. Pr: 0.9987

PCKMOKAE\_01035 LIPO(Sec/SPII) 0.005255 0.000939 0.993161 0.000645 CS pos: 24-25. LSS-CG. Pr: 0.9935

PCKMOKAE\_00520 OTHER 0.004511 0.002176 0.000730 0.992583

PCKMOKAE\_00445 OTHER 0.012032 0.005335 0.002675 0.979958

PCKMOKAE\_00152 OTHER 0.005837 0.056695 0.001699 0.935769

PCKMOKAE\_00044 OTHER 0.238434 0.013664 0.070696 0.677206

PCKMOKAE\_01221 OTHER 0.010180 0.004120 0.000768 0.984932

PCKMOKAE\_00652 OTHER 0.024264 0.007870 0.010622 0.957245

PCKMOKAE\_00021 OTHER 0.012509 0.045111 0.035352 0.907028

PCKMOKAE\_01879 OTHER 0.035116 0.150724 0.001253 0.812906

PCKMOKAE\_00549 OTHER 0.027920 0.000535 0.003880 0.967665

PCKMOKAE\_00835 OTHER 0.057563 0.018743 0.145050 0.778644

PCKMOKAE\_02175 OTHER 0.002610 0.004368 0.000169 0.992853

PCKMOKAE\_01278 OTHER 0.040875 0.017533 0.005534 0.936058

PCKMOKAE\_00866 OTHER 0.004199 0.001862 0.000404 0.993535

PCKMOKAE\_01258 OTHER 0.006527 0.000533 0.000843 0.992096

PCKMOKAE\_00360 OTHER 0.010718 0.051512 0.001133 0.936638

PCKMOKAE\_01667 OTHER 0.004945 0.010569 0.000751 0.983735

PCKMOKAE\_01895 SP(Sec/SPI) 0.853522 0.008360 0.051724 0.086394 CS pos: 21-22. AIA-KE. Pr: 0.7898

PCKMOKAE\_01644 OTHER 0.008941 0.000683 0.002183 0.988193

PCKMOKAE\_00564 OTHER 0.006575 0.004416 0.000714 0.988295

PCKMOKAE\_01153 OTHER 0.061370 0.002990 0.002050 0.933590

PCKMOKAE\_00539 OTHER 0.019718 0.001448 0.004703 0.974131

PCKMOKAE\_00303 OTHER 0.017050 0.005712 0.001402 0.975836

PCKMOKAE\_01787 OTHER 0.009827 0.005702 0.001933 0.982539

PCKMOKAE\_01608 OTHER 0.002002 0.000244 0.000267 0.997487

PCKMOKAE\_00808 OTHER 0.011179 0.008800 0.001876 0.978145

PCKMOKAE\_01926 OTHER 0.013651 0.004286 0.001146 0.980917

PCKMOKAE\_01877 OTHER 0.004591 0.000440 0.000471 0.994499

PCKMOKAE\_01487 OTHER 0.047568 0.279783 0.008199 0.664449

PCKMOKAE\_01731 OTHER 0.005195 0.001388 0.000575 0.992841

PCKMOKAE\_01854 OTHER 0.011157 0.002115 0.002022 0.984707

PCKMOKAE\_01106 OTHER 0.022904 0.027306 0.002987 0.946803

PCKMOKAE\_01885 OTHER 0.019367 0.003976 0.004518 0.972139

PCKMOKAE\_00270 OTHER 0.005402 0.008356 0.001232 0.985010

PCKMOKAE\_00642 OTHER 0.009812 0.003324 0.002106 0.984758

PCKMOKAE\_02186 OTHER 0.034846 0.004803 0.003998 0.956354

PCKMOKAE\_00715 OTHER 0.007379 0.000916 0.000840 0.990864

PCKMOKAE\_00436 OTHER 0.003898 0.002132 0.000673 0.993298

PCKMOKAE\_01361 OTHER 0.003605 0.003762 0.000568 0.992065

PCKMOKAE\_01533 OTHER 0.036622 0.087573 0.000908 0.874897

PCKMOKAE\_01147 OTHER 0.003692 0.002833 0.000448 0.993027

PCKMOKAE\_01398 OTHER 0.112506 0.024521 0.004110 0.858863

PCKMOKAE\_01148 OTHER 0.004495 0.001476 0.000386 0.993643

PCKMOKAE\_00325 OTHER 0.009859 0.000946 0.000804 0.988390

PCKMOKAE\_00794 OTHER 0.130318 0.002353 0.013282 0.854047

PCKMOKAE\_00569 OTHER 0.003542 0.002002 0.000378 0.994078

PCKMOKAE\_01892 OTHER 0.011276 0.012259 0.001941 0.974524

PCKMOKAE\_01500 OTHER 0.008111 0.004183 0.002074 0.985632

PCKMOKAE\_00617 OTHER 0.003307 0.004620 0.000426 0.991647

PCKMOKAE\_02206 OTHER 0.055140 0.012474 0.022669 0.909717

PCKMOKAE\_00822 OTHER 0.132455 0.016090 0.149820 0.701635

PCKMOKAE\_01275 OTHER 0.008283 0.002663 0.000552 0.988503

PCKMOKAE\_00914 OTHER 0.012947 0.003075 0.000782 0.983195

PCKMOKAE\_01484 OTHER 0.002809 0.000442 0.000522 0.996227

PCKMOKAE\_01065 OTHER 0.004835 0.005898 0.000604 0.988664

PCKMOKAE\_00828 OTHER 0.079695 0.035147 0.009871 0.875286

PCKMOKAE\_01206 OTHER 0.181174 0.022335 0.008986 0.787504

PCKMOKAE\_01483 OTHER 0.128770 0.028924 0.011537 0.830768

PCKMOKAE\_02067 OTHER 0.022731 0.003072 0.003993 0.970204

PCKMOKAE\_00855 OTHER 0.006183 0.004187 0.001437 0.988193

PCKMOKAE\_00918 OTHER 0.005290 0.008908 0.000968 0.984835

PCKMOKAE\_00759 OTHER 0.001689 0.000335 0.000225 0.997751

PCKMOKAE\_00170 OTHER 0.004116 0.001718 0.001348 0.992819

PCKMOKAE\_00760 OTHER 0.012703 0.206173 0.002333 0.778792

PCKMOKAE\_02041 OTHER 0.011763 0.008547 0.000749 0.978940

PCKMOKAE\_01055 OTHER 0.011857 0.008369 0.002598 0.977176

PCKMOKAE\_00714 OTHER 0.467022 0.004821 0.012115 0.516042

PCKMOKAE\_01809 OTHER 0.014025 0.001688 0.004018 0.980269

PCKMOKAE\_00667 OTHER 0.007066 0.001041 0.000971 0.990922

PCKMOKAE\_01112 OTHER 0.062549 0.002556 0.013538 0.921357

PCKMOKAE\_01308 OTHER 0.137265 0.234038 0.012358 0.616339

PCKMOKAE\_00831 OTHER 0.130622 0.067956 0.030987 0.770435

PCKMOKAE\_00353 SP(Sec/SPI) 0.997537 0.000175 0.001956 0.000332 CS pos: 19-20. ATA-DV. Pr: 0.8670

PCKMOKAE\_00260 OTHER 0.073527 0.020505 0.014001 0.891967

PCKMOKAE\_01613 OTHER 0.008670 0.005149 0.002067 0.984114

PCKMOKAE\_01471 LIPO(Sec/SPII) 0.153069 0.004084 0.828895 0.013951 CS pos: 27-28. LSA-CL. Pr: 0.8270

PCKMOKAE\_01485 SP(Sec/SPI) 0.582385 0.035539 0.044538 0.337539 CS pos: 21-22. IAA-AS. Pr: 0.2195

PCKMOKAE\_00729 OTHER 0.005252 0.004441 0.001655 0.988652

PCKMOKAE\_01297 OTHER 0.057880 0.008985 0.028917 0.904219

PCKMOKAE\_01643 LIPO(Sec/SPII) 0.017003 0.000145 0.981729 0.001122 CS pos: 16-17. LGG-CA. Pr: 0.9822

PCKMOKAE\_00611 SP(Sec/SPI) 0.995312 0.000409 0.003824 0.000455 CS pos: 20-21. AVA-AH. Pr: 0.6705

PCKMOKAE\_01968 OTHER 0.005468 0.008217 0.000542 0.985774

PCKMOKAE\_01355 OTHER 0.005145 0.001762 0.000549 0.992544

PCKMOKAE\_00514 OTHER 0.052822 0.000597 0.010690 0.935891

PCKMOKAE\_00340 OTHER 0.051793 0.008865 0.039077 0.900265

PCKMOKAE\_00213 OTHER 0.015561 0.002097 0.001032 0.981310

PCKMOKAE\_01063 OTHER 0.003641 0.001720 0.000769 0.993870

PCKMOKAE\_01227 LIPO(Sec/SPII) 0.001816 0.000151 0.997848 0.000184 CS pos: 18-19. LAA-CD. Pr: 0.9986

PCKMOKAE\_00342 SP(Sec/SPI) 0.998160 0.000528 0.000581 0.000732 CS pos: 21-22. AFA-DF. Pr: 0.9952

PCKMOKAE\_01652 OTHER 0.026266 0.003417 0.001846 0.968470

PCKMOKAE\_01350 OTHER 0.045615 0.008452 0.011438 0.934495

**Band\_007**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200423185951

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_00600 OTHER 0.010494 0.000635 0.001430 0.987442

PCKMOKAE\_00753 SP(Sec/SPI) 0.994172 0.004492 0.000986 0.000350 CS pos: 22-23. TLA-AN. Pr: 0.9792

PCKMOKAE\_01810 OTHER 0.004263 0.003016 0.001214 0.991507

PCKMOKAE\_00919 OTHER 0.009082 0.005163 0.001956 0.983799

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_01023 OTHER 0.009349 0.001091 0.000704 0.988856

PCKMOKAE\_01433 OTHER 0.005455 0.000551 0.000832 0.993162

PCKMOKAE\_00362 OTHER 0.036512 0.013307 0.003981 0.946200

PCKMOKAE\_01160 OTHER 0.058765 0.003421 0.007178 0.930636

PCKMOKAE\_00353 SP(Sec/SPI) 0.997537 0.000175 0.001956 0.000332 CS pos: 19-20. ATA-DV. Pr: 0.8670

PCKMOKAE\_00370 OTHER 0.005960 0.032247 0.002434 0.959359

PCKMOKAE\_00355 OTHER 0.004170 0.001000 0.000902 0.993927

PCKMOKAE\_00598 OTHER 0.003643 0.002576 0.000587 0.993195

PCKMOKAE\_01041 OTHER 0.001760 0.000274 0.000559 0.997408

PCKMOKAE\_00321 LIPO(Sec/SPII) 0.001145 0.000127 0.998194 0.000534 CS pos: 17-18. LTA-CS. Pr: 0.9993

PCKMOKAE\_01178 OTHER 0.004308 0.005722 0.000706 0.989263

PCKMOKAE\_01382 LIPO(Sec/SPII) 0.015309 0.000150 0.984120 0.000422 CS pos: 17-18. LAA-CA. Pr: 0.9854

PCKMOKAE\_01342 OTHER 0.002596 0.002308 0.000281 0.994815

PCKMOKAE\_00378 OTHER 0.006278 0.003996 0.001237 0.988488

PCKMOKAE\_01311 OTHER 0.015631 0.042936 0.004514 0.936919

PCKMOKAE\_00438 OTHER 0.002063 0.000290 0.000218 0.997429

PCKMOKAE\_00359 OTHER 0.011117 0.061104 0.003302 0.924477

PCKMOKAE\_00372 OTHER 0.015719 0.000562 0.003908 0.979811

PCKMOKAE\_00382 OTHER 0.008498 0.013158 0.001951 0.976392

PCKMOKAE\_00781 OTHER 0.023570 0.003067 0.004468 0.968895

PCKMOKAE\_00879 OTHER 0.005031 0.017275 0.001273 0.976422

PCKMOKAE\_00866 OTHER 0.004199 0.001862 0.000404 0.993535

PCKMOKAE\_00373 OTHER 0.008309 0.017154 0.002482 0.972055

**Band\_008**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200423190415

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_00362 OTHER 0.036512 0.013307 0.003981 0.946200

PCKMOKAE\_00600 OTHER 0.010494 0.000635 0.001430 0.987442

PCKMOKAE\_00353 SP(Sec/SPI) 0.997537 0.000175 0.001956 0.000332 CS pos: 19-20. ATA-DV. Pr: 0.8670

PCKMOKAE\_01023 OTHER 0.009349 0.001091 0.000704 0.988856

PCKMOKAE\_01810 OTHER 0.004263 0.003016 0.001214 0.991507

PCKMOKAE\_01178 OTHER 0.004308 0.005722 0.000706 0.989263

PCKMOKAE\_01769 OTHER 0.006728 0.002305 0.001107 0.989859

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_00370 OTHER 0.005960 0.032247 0.002434 0.959359

PCKMOKAE\_01433 OTHER 0.005455 0.000551 0.000832 0.993162

PCKMOKAE\_01160 OTHER 0.058765 0.003421 0.007178 0.930636

PCKMOKAE\_01382 LIPO(Sec/SPII) 0.015309 0.000150 0.984120 0.000422 CS pos: 17-18. LAA-CA. Pr: 0.9854

PCKMOKAE\_00355 OTHER 0.004170 0.001000 0.000902 0.993927

PCKMOKAE\_01154 OTHER 0.006014 0.001686 0.000789 0.991511

PCKMOKAE\_00753 SP(Sec/SPI) 0.994172 0.004492 0.000986 0.000350 CS pos: 22-23. TLA-AN. Pr: 0.9792

PCKMOKAE\_01342 OTHER 0.002596 0.002308 0.000281 0.994815

PCKMOKAE\_00919 OTHER 0.009082 0.005163 0.001956 0.983799

PCKMOKAE\_01311 OTHER 0.015631 0.042936 0.004514 0.936919

PCKMOKAE\_00384 OTHER 0.001832 0.001891 0.000724 0.995553

PCKMOKAE\_00081 OTHER 0.011085 0.001465 0.002515 0.984935

PCKMOKAE\_00471 LIPO(Sec/SPII) 0.025801 0.000461 0.973326 0.000412 CS pos: 19-20. LLA-CG. Pr: 0.9744

PCKMOKAE\_00378 OTHER 0.006278 0.003996 0.001237 0.988488

PCKMOKAE\_00848 OTHER 0.008774 0.007667 0.002676 0.980882

PCKMOKAE\_00321 LIPO(Sec/SPII) 0.001145 0.000127 0.998194 0.000534 CS pos: 17-18. LTA-CS. Pr: 0.9993

PCKMOKAE\_00373 OTHER 0.008309 0.017154 0.002482 0.972055

PCKMOKAE\_00438 OTHER 0.002063 0.000290 0.000218 0.997429

PCKMOKAE\_01363 OTHER 0.000850 0.000331 0.000131 0.998688

PCKMOKAE\_00689 OTHER 0.020152 0.011048 0.003757 0.965043

PCKMOKAE\_00875 LIPO(Sec/SPII) 0.002168 0.000108 0.997581 0.000144 CS pos: 19-20. LAA-CG. Pr: 0.9982

PCKMOKAE\_00359 OTHER 0.011117 0.061104 0.003302 0.924477

PCKMOKAE\_00381 OTHER 0.134184 0.007288 0.005333 0.853195

PCKMOKAE\_00379 OTHER 0.004075 0.001523 0.000584 0.993818

PCKMOKAE\_00672 OTHER 0.095684 0.060158 0.005444 0.838713

PCKMOKAE\_01437 OTHER 0.011612 0.005284 0.001976 0.981127

PCKMOKAE\_00879 OTHER 0.005031 0.017275 0.001273 0.976422

PCKMOKAE\_00253 OTHER 0.313403 0.004809 0.006604 0.675184

PCKMOKAE\_01041 OTHER 0.001760 0.000274 0.000559 0.997408

PCKMOKAE\_00882 OTHER 0.009683 0.000205 0.002619 0.987493

PCKMOKAE\_00382 OTHER 0.008498 0.013158 0.001951 0.976392

PCKMOKAE\_01284 OTHER 0.003585 0.001075 0.000576 0.994763

**Band\_009**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200423190715

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_01178 OTHER 0.004308 0.005722 0.000706 0.989263

PCKMOKAE\_01023 OTHER 0.009349 0.001091 0.000704 0.988856

PCKMOKAE\_01810 OTHER 0.004263 0.003016 0.001214 0.991507

PCKMOKAE\_00600 OTHER 0.010494 0.000635 0.001430 0.987442

PCKMOKAE\_00919 OTHER 0.009082 0.005163 0.001956 0.983799

PCKMOKAE\_00362 OTHER 0.036512 0.013307 0.003981 0.946200

PCKMOKAE\_01342 OTHER 0.002596 0.002308 0.000281 0.994815

PCKMOKAE\_00081 OTHER 0.011085 0.001465 0.002515 0.984935

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_00355 OTHER 0.004170 0.001000 0.000902 0.993927

PCKMOKAE\_01266 OTHER 0.031538 0.143609 0.003308 0.821545

PCKMOKAE\_01154 OTHER 0.006014 0.001686 0.000789 0.991511

PCKMOKAE\_00359 OTHER 0.011117 0.061104 0.003302 0.924477

PCKMOKAE\_00370 OTHER 0.005960 0.032247 0.002434 0.959359

PCKMOKAE\_00689 OTHER 0.020152 0.011048 0.003757 0.965043

PCKMOKAE\_00438 OTHER 0.002063 0.000290 0.000218 0.997429

PCKMOKAE\_00753 SP(Sec/SPI) 0.994172 0.004492 0.000986 0.000350 CS pos: 22-23. TLA-AN. Pr: 0.9792

PCKMOKAE\_01311 OTHER 0.015631 0.042936 0.004514 0.936919

PCKMOKAE\_01382 LIPO(Sec/SPII) 0.015309 0.000150 0.984120 0.000422 CS pos: 17-18. LAA-CA. Pr: 0.9854

PCKMOKAE\_00384 OTHER 0.001832 0.001891 0.000724 0.995553

PCKMOKAE\_02172 OTHER 0.004905 0.002850 0.000757 0.991487

PCKMOKAE\_01433 OTHER 0.005455 0.000551 0.000832 0.993162

PCKMOKAE\_00672 OTHER 0.095684 0.060158 0.005444 0.838713

PCKMOKAE\_00321 LIPO(Sec/SPII) 0.001145 0.000127 0.998194 0.000534 CS pos: 17-18. LTA-CS. Pr: 0.9993

PCKMOKAE\_01359 OTHER 0.038260 0.007410 0.003663 0.950667

PCKMOKAE\_01466 OTHER 0.004712 0.000779 0.000487 0.994022

PCKMOKAE\_01650 OTHER 0.027124 0.001238 0.041787 0.929852

PCKMOKAE\_01966 OTHER 0.003439 0.001260 0.000362 0.994938

PCKMOKAE\_00171 OTHER 0.121491 0.355413 0.012475 0.510621

PCKMOKAE\_00732 OTHER 0.011730 0.004380 0.005539 0.978351

PCKMOKAE\_00113 OTHER 0.013891 0.014962 0.002143 0.969003

**Band\_010**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200423191104

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_00171 OTHER 0.121491 0.355413 0.012475 0.510621

PCKMOKAE\_01769 OTHER 0.006728 0.002305 0.001107 0.989859

PCKMOKAE\_01511 OTHER 0.011894 0.011460 0.003446 0.973199

PCKMOKAE\_01614 OTHER 0.200650 0.023334 0.003593 0.772423

PCKMOKAE\_01336 OTHER 0.004445 0.001542 0.000714 0.993298

PCKMOKAE\_00382 OTHER 0.008498 0.013158 0.001951 0.976392

PCKMOKAE\_01095 SP(Sec/SPI) 0.718179 0.000761 0.278831 0.002229 CS pos: 18-19. SLA-AG. Pr: 0.5721

PCKMOKAE\_01459 OTHER 0.003810 0.000950 0.000612 0.994628

PCKMOKAE\_01994 OTHER 0.002754 0.047892 0.000532 0.948823

PCKMOKAE\_01729 OTHER 0.044503 0.007586 0.002816 0.945094

PCKMOKAE\_00934 OTHER 0.042483 0.003979 0.000586 0.952951

PCKMOKAE\_00882 OTHER 0.009683 0.000205 0.002619 0.987493

PCKMOKAE\_00754 OTHER 0.003054 0.000941 0.000344 0.995661

PCKMOKAE\_00078 SP(Sec/SPI) 0.997810 0.000194 0.001426 0.000570 CS pos: 19-20. AQA-EG. Pr: 0.9651

PCKMOKAE\_00361 OTHER 0.005596 0.004728 0.003459 0.986217

PCKMOKAE\_01219 OTHER 0.079192 0.092619 0.011549 0.816640

PCKMOKAE\_01736 SP(Sec/SPI) 0.952006 0.001007 0.046415 0.000573 CS pos: 18-19. VSA-SP. Pr: 0.5026

PCKMOKAE\_00337 OTHER 0.004316 0.002556 0.000625 0.992503

PCKMOKAE\_01368 OTHER 0.004504 0.000550 0.001758 0.993188

PCKMOKAE\_00353 SP(Sec/SPI) 0.997537 0.000175 0.001956 0.000332 CS pos: 19-20. ATA-DV. Pr: 0.8670

PCKMOKAE\_01169 OTHER 0.002703 0.000726 0.000266 0.996305

PCKMOKAE\_02143 OTHER 0.018937 0.000921 0.000281 0.979861

PCKMOKAE\_00208 OTHER 0.004121 0.000193 0.000709 0.994978

PCKMOKAE\_00797 OTHER 0.001912 0.000134 0.000216 0.997738

PCKMOKAE\_01655 OTHER 0.011492 0.016426 0.003788 0.968294

PCKMOKAE\_00857 OTHER 0.010411 0.016750 0.003104 0.969735

PCKMOKAE\_01179 OTHER 0.023665 0.002018 0.003445 0.970872

PCKMOKAE\_00471 LIPO(Sec/SPII) 0.025801 0.000461 0.973326 0.000412 CS pos: 19-20. LLA-CG. Pr: 0.9744

PCKMOKAE\_00865 OTHER 0.005318 0.005824 0.001198 0.987661

PCKMOKAE\_00115 OTHER 0.004536 0.001442 0.001218 0.992804

PCKMOKAE\_00267 OTHER 0.005019 0.001055 0.001413 0.992513

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_01674 OTHER 0.006179 0.004852 0.004361 0.984607

PCKMOKAE\_02019 OTHER 0.006273 0.001044 0.000568 0.992115

PCKMOKAE\_01411 SP(Sec/SPI) 0.976505 0.000732 0.020963 0.001799 CS pos: 21-22. AAA-KA. Pr: 0.6939

PCKMOKAE\_00262 OTHER 0.007210 0.001433 0.001219 0.990138

PCKMOKAE\_00693 TAT(Tat/SPI) 0.001166 0.998039 0.000287 0.000508 CS pos: 45-46. AKA-AG. Pr: 0.6855

PCKMOKAE\_00429 OTHER 0.242513 0.004724 0.039284 0.713478

PCKMOKAE\_00331 OTHER 0.009212 0.003298 0.000917 0.986573

PCKMOKAE\_01741 OTHER 0.033358 0.002246 0.003437 0.960959

PCKMOKAE\_02009 OTHER 0.024364 0.001077 0.001468 0.973091

PCKMOKAE\_00925 OTHER 0.006222 0.009904 0.000548 0.983327

PCKMOKAE\_00855 OTHER 0.006183 0.004187 0.001437 0.988193

PCKMOKAE\_02183 OTHER 0.055999 0.103874 0.029575 0.810552

PCKMOKAE\_00578 OTHER 0.023036 0.014275 0.004368 0.958321

PCKMOKAE\_02184 OTHER 0.016589 0.000335 0.000508 0.982568

PCKMOKAE\_01126 OTHER 0.012296 0.012699 0.002448 0.972557

PCKMOKAE\_00408 LIPO(Sec/SPII) 0.004772 0.000187 0.994879 0.000162 CS pos: 17-18. LAA-CS. Pr: 0.9957

PCKMOKAE\_01241 OTHER 0.001375 0.000462 0.000255 0.997909

PCKMOKAE\_01124 OTHER 0.002508 0.000911 0.000307 0.996273

PCKMOKAE\_00672 OTHER 0.095684 0.060158 0.005444 0.838713

PCKMOKAE\_00330 OTHER 0.031081 0.014345 0.005731 0.948843

PCKMOKAE\_00699 OTHER 0.002864 0.000411 0.000388 0.996337

PCKMOKAE\_01027 OTHER 0.218006 0.014618 0.006068 0.761308

PCKMOKAE\_00856 OTHER 0.008244 0.002047 0.002093 0.987616

PCKMOKAE\_00250 OTHER 0.002799 0.001905 0.000356 0.994940

PCKMOKAE\_00638 OTHER 0.001306 0.000997 0.000397 0.997299

PCKMOKAE\_01758 OTHER 0.025142 0.007155 0.002873 0.964831

PCKMOKAE\_00280 OTHER 0.008761 0.001948 0.001586 0.987704

PCKMOKAE\_00630 OTHER 0.013529 0.002603 0.001668 0.982200

PCKMOKAE\_01227 LIPO(Sec/SPII) 0.001816 0.000151 0.997848 0.000184 CS pos: 18-19. LAA-CD. Pr: 0.9986

PCKMOKAE\_00272 OTHER 0.004614 0.002123 0.000506 0.992757

PCKMOKAE\_00159 OTHER 0.018599 0.030301 0.003937 0.947164

PCKMOKAE\_02003 OTHER 0.002717 0.001220 0.000308 0.995755

PCKMOKAE\_01097 OTHER 0.012411 0.015001 0.001983 0.970605

PCKMOKAE\_00908 OTHER 0.002434 0.002004 0.000526 0.995036

PCKMOKAE\_00590 OTHER 0.002420 0.000845 0.000277 0.996458

PCKMOKAE\_01281 OTHER 0.008291 0.000422 0.001431 0.989856

PCKMOKAE\_00989 OTHER 0.006007 0.016387 0.001380 0.976226

PCKMOKAE\_02061 OTHER 0.016274 0.002408 0.002647 0.978671

PCKMOKAE\_00480 OTHER 0.044447 0.001502 0.029325 0.924725

PCKMOKAE\_01398 OTHER 0.112506 0.024521 0.004110 0.858863

PCKMOKAE\_01991 OTHER 0.005681 0.002352 0.000444 0.991523

PCKMOKAE\_00377 OTHER 0.003446 0.002805 0.000536 0.993214

PCKMOKAE\_01710 OTHER 0.009202 0.000281 0.001987 0.988530

PCKMOKAE\_01109 OTHER 0.005826 0.000766 0.002660 0.990748

PCKMOKAE\_01166 OTHER 0.006594 0.004059 0.000992 0.988355

PCKMOKAE\_01497 OTHER 0.014566 0.034437 0.003049 0.947948

PCKMOKAE\_00573 OTHER 0.004517 0.008061 0.000794 0.986628

PCKMOKAE\_00368 OTHER 0.013318 0.004186 0.000962 0.981534

PCKMOKAE\_02192 OTHER 0.003119 0.002389 0.000522 0.993970

PCKMOKAE\_01203 OTHER 0.013151 0.002142 0.003226 0.981481

PCKMOKAE\_00684 OTHER 0.009083 0.002025 0.000273 0.988620

PCKMOKAE\_01963 OTHER 0.002984 0.001229 0.000662 0.995125

PCKMOKAE\_01611 OTHER 0.008522 0.007690 0.001261 0.982527

PCKMOKAE\_01360 OTHER 0.005030 0.002194 0.000467 0.992309

PCKMOKAE\_01646 OTHER 0.002561 0.000685 0.000420 0.996334

PCKMOKAE\_01224 SP(Sec/SPI) 0.970216 0.000395 0.028451 0.000938 CS pos: 20-21. VHA-AP. Pr: 0.8765

PCKMOKAE\_00487 OTHER 0.003657 0.004659 0.000575 0.991109

PCKMOKAE\_00635 OTHER 0.008519 0.001513 0.000560 0.989408

PCKMOKAE\_01806 LIPO(Sec/SPII) 0.001753 0.000090 0.997988 0.000169 CS pos: 17-18. LTA-CQ. Pr: 0.9988

PCKMOKAE\_01178 OTHER 0.004308 0.005722 0.000706 0.989263

PCKMOKAE\_02006 OTHER 0.006089 0.039192 0.000719 0.954000

PCKMOKAE\_01748 OTHER 0.008539 0.001292 0.005287 0.984883

PCKMOKAE\_00360 OTHER 0.010718 0.051512 0.001133 0.936638

PCKMOKAE\_01965 OTHER 0.248083 0.017595 0.003715 0.730607

PCKMOKAE\_02133 OTHER 0.005327 0.001663 0.002548 0.990462

PCKMOKAE\_01740 OTHER 0.019827 0.020637 0.005008 0.954528

PCKMOKAE\_00319 OTHER 0.019982 0.000699 0.003608 0.975711

PCKMOKAE\_01422 OTHER 0.022089 0.010391 0.015823 0.951698

PCKMOKAE\_00618 OTHER 0.003791 0.000753 0.000463 0.994994

PCKMOKAE\_01034 OTHER 0.014536 0.016769 0.001724 0.966971

PCKMOKAE\_01136 OTHER 0.003232 0.000412 0.000640 0.995716

PCKMOKAE\_00905 SP(Sec/SPI) 0.988000 0.008560 0.001704 0.001736 CS pos: 22-23. AFA-AD. Pr: 0.9781

PCKMOKAE\_00608 SP(Sec/SPI) 0.887601 0.001563 0.109841 0.000995 CS pos: 26-27. AAA-HG. Pr: 0.4352

PCKMOKAE\_00325 OTHER 0.009859 0.000946 0.000804 0.988390

PCKMOKAE\_00219 OTHER 0.000986 0.001536 0.000200 0.997277

**Band\_011**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200424122907

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_01178 OTHER 0.004308 0.005722 0.000706 0.989263

PCKMOKAE\_01342 OTHER 0.002596 0.002308 0.000281 0.994815

PCKMOKAE\_01023 OTHER 0.009349 0.001091 0.000704 0.988856

PCKMOKAE\_02172 OTHER 0.004905 0.002850 0.000757 0.991487

PCKMOKAE\_01266 OTHER 0.031538 0.143609 0.003308 0.821545

PCKMOKAE\_00362 OTHER 0.036512 0.013307 0.003981 0.946200

PCKMOKAE\_00919 OTHER 0.009082 0.005163 0.001956 0.983799

PCKMOKAE\_00359 OTHER 0.011117 0.061104 0.003302 0.924477

PCKMOKAE\_00353 SP(Sec/SPI) 0.997537 0.000175 0.001956 0.000332 CS pos: 19-20. ATA-DV. Pr: 0.8670

PCKMOKAE\_01810 OTHER 0.004263 0.003016 0.001214 0.991507

PCKMOKAE\_00586 OTHER 0.002610 0.000637 0.000279 0.996474

PCKMOKAE\_00171 OTHER 0.121491 0.355413 0.012475 0.510621

PCKMOKAE\_00598 OTHER 0.003643 0.002576 0.000587 0.993195

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_00373 OTHER 0.008309 0.017154 0.002482 0.972055

PCKMOKAE\_00382 OTHER 0.008498 0.013158 0.001951 0.976392

PCKMOKAE\_00376 OTHER 0.011654 0.017606 0.005239 0.965501

PCKMOKAE\_01311 OTHER 0.015631 0.042936 0.004514 0.936919

PCKMOKAE\_01708 OTHER 0.016374 0.000413 0.003578 0.979635

PCKMOKAE\_00689 OTHER 0.020152 0.011048 0.003757 0.965043

PCKMOKAE\_01769 OTHER 0.006728 0.002305 0.001107 0.989859

PCKMOKAE\_01409 OTHER 0.004320 0.002368 0.000601 0.992711

PCKMOKAE\_00600 OTHER 0.010494 0.000635 0.001430 0.987442

PCKMOKAE\_01326 OTHER 0.004860 0.001855 0.000369 0.992916

PCKMOKAE\_02099 OTHER 0.002920 0.000892 0.000348 0.995840

PCKMOKAE\_01966 OTHER 0.003439 0.001260 0.000362 0.994938

PCKMOKAE\_01344 OTHER 0.037899 0.002857 0.003270 0.955973

PCKMOKAE\_01095 SP(Sec/SPI) 0.718179 0.000761 0.278831 0.002229 CS pos: 18-19. SLA-AG. Pr: 0.5721

PCKMOKAE\_00370 OTHER 0.005960 0.032247 0.002434 0.959359

PCKMOKAE\_01433 OTHER 0.005455 0.000551 0.000832 0.993162

PCKMOKAE\_01511 OTHER 0.011894 0.011460 0.003446 0.973199

PCKMOKAE\_00220 OTHER 0.023243 0.019693 0.022801 0.934263

PCKMOKAE\_01382 LIPO(Sec/SPII) 0.015309 0.000150 0.984120 0.000422 CS pos: 17-18. LAA-CA. Pr: 0.9854

PCKMOKAE\_01495 OTHER 0.024269 0.007177 0.004043 0.964510

PCKMOKAE\_00274 OTHER 0.002483 0.000607 0.000513 0.996397

PCKMOKAE\_00863 OTHER 0.007204 0.000638 0.000973 0.991185

PCKMOKAE\_00211 OTHER 0.006500 0.009608 0.000628 0.983264

PCKMOKAE\_00378 OTHER 0.006278 0.003996 0.001237 0.988488

PCKMOKAE\_00041 OTHER 0.015508 0.014123 0.000868 0.969502

PCKMOKAE\_01405 OTHER 0.008098 0.002857 0.000691 0.988354

PCKMOKAE\_00345 OTHER 0.002181 0.000296 0.000243 0.997280

PCKMOKAE\_00384 OTHER 0.001832 0.001891 0.000724 0.995553

PCKMOKAE\_01154 OTHER 0.006014 0.001686 0.000789 0.991511

PCKMOKAE\_01343 SP(Sec/SPI) 0.974329 0.005283 0.006241 0.014147 CS pos: 28-29. LFA-DN. Pr: 0.8561

PCKMOKAE\_01729 OTHER 0.044503 0.007586 0.002816 0.945094

PCKMOKAE\_01808 OTHER 0.051708 0.006070 0.004057 0.938164

PCKMOKAE\_01835 LIPO(Sec/SPII) 0.003300 0.000125 0.996310 0.000265 CS pos: 20-21. LSA-CG. Pr: 0.9967

PCKMOKAE\_00889 OTHER 0.002002 0.000689 0.000407 0.996902

PCKMOKAE\_01994 OTHER 0.002754 0.047892 0.000532 0.948823

PCKMOKAE\_00766 OTHER 0.027716 0.004376 0.001694 0.966214

PCKMOKAE\_00078 SP(Sec/SPI) 0.997810 0.000194 0.001426 0.000570 CS pos: 19-20. AQA-EG. Pr: 0.9651

**Band\_012**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200424132618

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_01355 OTHER 0.005145 0.001762 0.000549 0.992544

PCKMOKAE\_00353 SP(Sec/SPI) 0.997537 0.000175 0.001956 0.000332 CS pos: 19-20. ATA-DV. Pr: 0.8670

PCKMOKAE\_01515 OTHER 0.012744 0.011166 0.003697 0.972392

PCKMOKAE\_00296 OTHER 0.006926 0.002439 0.000368 0.990267

PCKMOKAE\_01181 SP(Sec/SPI) 0.991379 0.000278 0.007189 0.001155 CS pos: 19-20. ATA-AP. Pr: 0.8029

PCKMOKAE\_01130 SP(Sec/SPI) 0.998411 0.000316 0.000891 0.000382 CS pos: 22-23. ALA-DI. Pr: 0.9965

PCKMOKAE\_01768 OTHER 0.004506 0.001307 0.000682 0.993505

PCKMOKAE\_01901 OTHER 0.003670 0.002429 0.000463 0.993437

PCKMOKAE\_01224 SP(Sec/SPI) 0.970216 0.000395 0.028451 0.000938 CS pos: 20-21. VHA-AP. Pr: 0.8765

PCKMOKAE\_01490 OTHER 0.024866 0.018809 0.001623 0.954702

PCKMOKAE\_01297 OTHER 0.057880 0.008985 0.028917 0.904219

PCKMOKAE\_00819 OTHER 0.003232 0.000493 0.000401 0.995875

PCKMOKAE\_01377 OTHER 0.001843 0.003812 0.000478 0.993867

PCKMOKAE\_00251 OTHER 0.006801 0.003891 0.001489 0.987819

PCKMOKAE\_01127 OTHER 0.365724 0.029330 0.011149 0.593797

PCKMOKAE\_00006 SP(Sec/SPI) 0.995387 0.000542 0.003756 0.000315 CS pos: 22-23. AVA-GE. Pr: 0.8797

PCKMOKAE\_01762 OTHER 0.002359 0.001839 0.000642 0.995160

PCKMOKAE\_00354 OTHER 0.004986 0.001778 0.000697 0.992539

PCKMOKAE\_01812 OTHER 0.006881 0.009876 0.000752 0.982490

PCKMOKAE\_01512 OTHER 0.007434 0.002386 0.001739 0.988442

PCKMOKAE\_00636 OTHER 0.013383 0.009009 0.003045 0.974563

PCKMOKAE\_00725 SP(Sec/SPI) 0.926977 0.000303 0.061520 0.011200 CS pos: 19-20. LQA-QT. Pr: 0.8454

PCKMOKAE\_00392 OTHER 0.016298 0.004214 0.001875 0.977613

PCKMOKAE\_01519 OTHER 0.000861 0.000229 0.000550 0.998361

PCKMOKAE\_00166 OTHER 0.007330 0.002712 0.001401 0.988558

PCKMOKAE\_01610 OTHER 0.011534 0.003986 0.001228 0.983253

PCKMOKAE\_01860 OTHER 0.013682 0.000463 0.001163 0.984692

PCKMOKAE\_01480 OTHER 0.014796 0.003264 0.001431 0.980509

PCKMOKAE\_01949 OTHER 0.065797 0.011472 0.018828 0.903903

PCKMOKAE\_00224 LIPO(Sec/SPII) 0.022016 0.000288 0.976408 0.001288 CS pos: 13-14. LTA-CG. Pr: 0.9762

PCKMOKAE\_01442 SP(Sec/SPI) 0.997989 0.000308 0.001204 0.000499 CS pos: 21-22. AYA-VE. Pr: 0.9921

PCKMOKAE\_00171 OTHER 0.121491 0.355413 0.012475 0.510621

PCKMOKAE\_01865 OTHER 0.190266 0.006983 0.115603 0.687149

PCKMOKAE\_00335 OTHER 0.033145 0.002879 0.003957 0.960019

PCKMOKAE\_00536 OTHER 0.007324 0.008417 0.000685 0.983574

PCKMOKAE\_00117 OTHER 0.033762 0.003005 0.009737 0.953496

PCKMOKAE\_00662 OTHER 0.022469 0.005190 0.002161 0.970179

PCKMOKAE\_01801 OTHER 0.005503 0.020614 0.001594 0.972290

PCKMOKAE\_00601 SP(Sec/SPI) 0.421697 0.259356 0.018654 0.300293 CS pos: 26-27. ARA-NL. Pr: 0.3928

PCKMOKAE\_01663 OTHER 0.014656 0.018421 0.003905 0.963017

PCKMOKAE\_00865 OTHER 0.005318 0.005824 0.001198 0.987661

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_01246 OTHER 0.013229 0.010427 0.000754 0.975589

PCKMOKAE\_00650 OTHER 0.018376 0.012960 0.001357 0.967307

PCKMOKAE\_01342 OTHER 0.002596 0.002308 0.000281 0.994815

PCKMOKAE\_00753 SP(Sec/SPI) 0.994172 0.004492 0.000986 0.000350 CS pos: 22-23. TLA-AN. Pr: 0.9792

PCKMOKAE\_01178 OTHER 0.004308 0.005722 0.000706 0.989263

PCKMOKAE\_01743 SP(Sec/SPI) 0.993628 0.001431 0.004024 0.000917 CS pos: 24-25. ASA-GN. Pr: 0.9660

PCKMOKAE\_00755 OTHER 0.195918 0.077402 0.029925 0.696756

PCKMOKAE\_00469 SP(Sec/SPI) 0.576374 0.040886 0.092143 0.290597 CS pos: 20-21. VWG-GW. Pr: 0.4512

PCKMOKAE\_01266 OTHER 0.031538 0.143609 0.003308 0.821545

PCKMOKAE\_01804 OTHER 0.003091 0.000809 0.001061 0.995039

PCKMOKAE\_00951 OTHER 0.135780 0.086568 0.051429 0.726223

PCKMOKAE\_00575 OTHER 0.052476 0.000747 0.030797 0.915980

PCKMOKAE\_00922 LIPO(Sec/SPII) 0.000810 0.000117 0.998799 0.000274 CS pos: 17-18. LGA-CS. Pr: 0.9994

PCKMOKAE\_01769 OTHER 0.006728 0.002305 0.001107 0.989859

PCKMOKAE\_01096 OTHER 0.025130 0.008041 0.013894 0.952935

PCKMOKAE\_01101 OTHER 0.022966 0.006929 0.001985 0.968120

PCKMOKAE\_00635 OTHER 0.008519 0.001513 0.000560 0.989408

PCKMOKAE\_01565 LIPO(Sec/SPII) 0.002292 0.000123 0.997433 0.000151 CS pos: 16-17. LAA-CG. Pr: 0.9982

PCKMOKAE\_00350 OTHER 0.010374 0.002008 0.002440 0.985177

**Band\_013**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200424140619

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_00353 SP(Sec/SPI) 0.997537 0.000175 0.001956 0.000332 CS pos: 19-20. ATA-DV. Pr: 0.8670

PCKMOKAE\_01130 SP(Sec/SPI) 0.998411 0.000316 0.000891 0.000382 CS pos: 22-23. ALA-DI. Pr: 0.9965

PCKMOKAE\_01355 OTHER 0.005145 0.001762 0.000549 0.992544

PCKMOKAE\_00296 OTHER 0.006926 0.002439 0.000368 0.990267

PCKMOKAE\_01224 SP(Sec/SPI) 0.970216 0.000395 0.028451 0.000938 CS pos: 20-21. VHA-AP. Pr: 0.8765

PCKMOKAE\_00725 SP(Sec/SPI) 0.926977 0.000303 0.061520 0.011200 CS pos: 19-20. LQA-QT. Pr: 0.8454

PCKMOKAE\_00373 OTHER 0.008309 0.017154 0.002482 0.972055

PCKMOKAE\_01515 OTHER 0.012744 0.011166 0.003697 0.972392

PCKMOKAE\_00251 OTHER 0.006801 0.003891 0.001489 0.987819

PCKMOKAE\_00636 OTHER 0.013383 0.009009 0.003045 0.974563

PCKMOKAE\_01490 OTHER 0.024866 0.018809 0.001623 0.954702

PCKMOKAE\_00378 OTHER 0.006278 0.003996 0.001237 0.988488

PCKMOKAE\_01512 OTHER 0.007434 0.002386 0.001739 0.988442

PCKMOKAE\_01297 OTHER 0.057880 0.008985 0.028917 0.904219

PCKMOKAE\_00919 OTHER 0.009082 0.005163 0.001956 0.983799

PCKMOKAE\_01442 SP(Sec/SPI) 0.997989 0.000308 0.001204 0.000499 CS pos: 21-22. AYA-VE. Pr: 0.9921

PCKMOKAE\_01178 OTHER 0.004308 0.005722 0.000706 0.989263

PCKMOKAE\_01610 OTHER 0.011534 0.003986 0.001228 0.983253

PCKMOKAE\_01181 SP(Sec/SPI) 0.991379 0.000278 0.007189 0.001155 CS pos: 19-20. ATA-AP. Pr: 0.8029

PCKMOKAE\_01768 OTHER 0.004506 0.001307 0.000682 0.993505

PCKMOKAE\_00392 OTHER 0.016298 0.004214 0.001875 0.977613

PCKMOKAE\_01901 OTHER 0.003670 0.002429 0.000463 0.993437

PCKMOKAE\_01342 OTHER 0.002596 0.002308 0.000281 0.994815

PCKMOKAE\_00819 OTHER 0.003232 0.000493 0.000401 0.995875

PCKMOKAE\_00372 OTHER 0.015719 0.000562 0.003908 0.979811

PCKMOKAE\_00600 OTHER 0.010494 0.000635 0.001430 0.987442

PCKMOKAE\_00384 OTHER 0.001832 0.001891 0.000724 0.995553

PCKMOKAE\_02172 OTHER 0.004905 0.002850 0.000757 0.991487

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_00166 OTHER 0.007330 0.002712 0.001401 0.988558

PCKMOKAE\_00381 OTHER 0.134184 0.007288 0.005333 0.853195

PCKMOKAE\_00369 OTHER 0.003413 0.010373 0.000810 0.985404

PCKMOKAE\_01480 OTHER 0.014796 0.003264 0.001431 0.980509

PCKMOKAE\_01023 OTHER 0.009349 0.001091 0.000704 0.988856

PCKMOKAE\_00362 OTHER 0.036512 0.013307 0.003981 0.946200

PCKMOKAE\_01743 SP(Sec/SPI) 0.993628 0.001431 0.004024 0.000917 CS pos: 24-25. ASA-GN. Pr: 0.9660

PCKMOKAE\_01812 OTHER 0.006881 0.009876 0.000752 0.982490

PCKMOKAE\_01329 OTHER 0.004925 0.001198 0.001329 0.992547

PCKMOKAE\_01519 OTHER 0.000861 0.000229 0.000550 0.998361

PCKMOKAE\_00006 SP(Sec/SPI) 0.995387 0.000542 0.003756 0.000315 CS pos: 22-23. AVA-GE. Pr: 0.8797

PCKMOKAE\_01311 OTHER 0.015631 0.042936 0.004514 0.936919

PCKMOKAE\_00354 OTHER 0.004986 0.001778 0.000697 0.992539

PCKMOKAE\_01762 OTHER 0.002359 0.001839 0.000642 0.995160

PCKMOKAE\_01810 OTHER 0.004263 0.003016 0.001214 0.991507

PCKMOKAE\_01998 OTHER 0.031585 0.004099 0.016307 0.948010

PCKMOKAE\_01377 OTHER 0.001843 0.003812 0.000478 0.993867

PCKMOKAE\_00736 OTHER 0.079852 0.004537 0.017892 0.897719

PCKMOKAE\_01769 OTHER 0.006728 0.002305 0.001107 0.989859

PCKMOKAE\_01266 OTHER 0.031538 0.143609 0.003308 0.821545

PCKMOKAE\_01127 OTHER 0.365724 0.029330 0.011149 0.593797

PCKMOKAE\_00359 OTHER 0.011117 0.061104 0.003302 0.924477

PCKMOKAE\_01949 OTHER 0.065797 0.011472 0.018828 0.903903

PCKMOKAE\_00288 SP(Sec/SPI) 0.985368 0.000365 0.013930 0.000338 CS pos: 20-21. ASA-HP. Pr: 0.8019

PCKMOKAE\_00755 OTHER 0.195918 0.077402 0.029925 0.696756

PCKMOKAE\_00750 OTHER 0.001764 0.006944 0.000280 0.991012

PCKMOKAE\_00221 OTHER 0.005150 0.002331 0.001449 0.991070

PCKMOKAE\_00171 OTHER 0.121491 0.355413 0.012475 0.510621

PCKMOKAE\_00689 OTHER 0.020152 0.011048 0.003757 0.965043

PCKMOKAE\_00536 OTHER 0.007324 0.008417 0.000685 0.983574

PCKMOKAE\_00382 OTHER 0.008498 0.013158 0.001951 0.976392

PCKMOKAE\_00355 OTHER 0.004170 0.001000 0.000902 0.993927

PCKMOKAE\_00209 OTHER 0.051415 0.005471 0.005035 0.938079

PCKMOKAE\_01695 OTHER 0.012150 0.005483 0.002022 0.980345

PCKMOKAE\_00370 OTHER 0.005960 0.032247 0.002434 0.959359

PCKMOKAE\_00753 SP(Sec/SPI) 0.994172 0.004492 0.000986 0.000350 CS pos: 22-23. TLA-AN. Pr: 0.9792

PCKMOKAE\_00889 OTHER 0.002002 0.000689 0.000407 0.996902

PCKMOKAE\_01433 OTHER 0.005455 0.000551 0.000832 0.993162

PCKMOKAE\_01207 OTHER 0.001717 0.000085 0.000338 0.997860

PCKMOKAE\_01270 OTHER 0.023576 0.010501 0.008100 0.957823

PCKMOKAE\_01663 OTHER 0.014656 0.018421 0.003905 0.963017

PCKMOKAE\_01865 OTHER 0.190266 0.006983 0.115603 0.687149

PCKMOKAE\_01566 SP(Sec/SPI) 0.992287 0.002443 0.002097 0.003172 CS pos: 24-25. VYA-EN. Pr: 0.9588

PCKMOKAE\_01801 OTHER 0.005503 0.020614 0.001594 0.972290

PCKMOKAE\_00638 OTHER 0.001306 0.000997 0.000397 0.997299

PCKMOKAE\_00335 OTHER 0.033145 0.002879 0.003957 0.960019

PCKMOKAE\_00523 OTHER 0.010709 0.010640 0.000925 0.977726

PCKMOKAE\_02014 OTHER 0.005875 0.000836 0.001804 0.991485

PCKMOKAE\_00856 OTHER 0.008244 0.002047 0.002093 0.987616

PCKMOKAE\_01101 OTHER 0.022966 0.006929 0.001985 0.968120

PCKMOKAE\_00601 SP(Sec/SPI) 0.421697 0.259356 0.018654 0.300293 CS pos: 26-27. ARA-NL. Pr: 0.3928

PCKMOKAE\_01264 OTHER 0.010036 0.082607 0.003393 0.903964

PCKMOKAE\_00866 OTHER 0.004199 0.001862 0.000404 0.993535

PCKMOKAE\_02179 OTHER 0.011387 0.003605 0.002211 0.982797

PCKMOKAE\_01349 OTHER 0.001617 0.000264 0.000257 0.997862

PCKMOKAE\_01696 OTHER 0.007263 0.011303 0.001158 0.980276

PCKMOKAE\_01463 OTHER 0.033659 0.018255 0.008430 0.939656

PCKMOKAE\_01725 OTHER 0.007560 0.001055 0.000933 0.990452

PCKMOKAE\_00983 OTHER 0.316573 0.001529 0.039371 0.642527

PCKMOKAE\_00033 OTHER 0.048463 0.019485 0.003881 0.928172

PCKMOKAE\_01569 OTHER 0.003644 0.023684 0.000312 0.972360

PCKMOKAE\_00321 LIPO(Sec/SPII) 0.001145 0.000127 0.998194 0.000534 CS pos: 17-18. LTA-CS. Pr: 0.9993

**Band\_014**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200424144146

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_00353 SP(Sec/SPI) 0.997537 0.000175 0.001956 0.000332 CS pos: 19-20. ATA-DV. Pr: 0.8670

PCKMOKAE\_01130 SP(Sec/SPI) 0.998411 0.000316 0.000891 0.000382 CS pos: 22-23. ALA-DI. Pr: 0.9965

PCKMOKAE\_01355 OTHER 0.005145 0.001762 0.000549 0.992544

PCKMOKAE\_01224 SP(Sec/SPI) 0.970216 0.000395 0.028451 0.000938 CS pos: 20-21. VHA-AP. Pr: 0.8765

PCKMOKAE\_00296 OTHER 0.006926 0.002439 0.000368 0.990267

PCKMOKAE\_00373 OTHER 0.008309 0.017154 0.002482 0.972055

PCKMOKAE\_00725 SP(Sec/SPI) 0.926977 0.000303 0.061520 0.011200 CS pos: 19-20. LQA-QT. Pr: 0.8454

PCKMOKAE\_01297 OTHER 0.057880 0.008985 0.028917 0.904219

PCKMOKAE\_00251 OTHER 0.006801 0.003891 0.001489 0.987819

PCKMOKAE\_01490 OTHER 0.024866 0.018809 0.001623 0.954702

PCKMOKAE\_01768 OTHER 0.004506 0.001307 0.000682 0.993505

PCKMOKAE\_01178 OTHER 0.004308 0.005722 0.000706 0.989263

PCKMOKAE\_01901 OTHER 0.003670 0.002429 0.000463 0.993437

PCKMOKAE\_01610 OTHER 0.011534 0.003986 0.001228 0.983253

PCKMOKAE\_01515 OTHER 0.012744 0.011166 0.003697 0.972392

PCKMOKAE\_01181 SP(Sec/SPI) 0.991379 0.000278 0.007189 0.001155 CS pos: 19-20. ATA-AP. Pr: 0.8029

PCKMOKAE\_01442 SP(Sec/SPI) 0.997989 0.000308 0.001204 0.000499 CS pos: 21-22. AYA-VE. Pr: 0.9921

PCKMOKAE\_01512 OTHER 0.007434 0.002386 0.001739 0.988442

PCKMOKAE\_00166 OTHER 0.007330 0.002712 0.001401 0.988558

PCKMOKAE\_01342 OTHER 0.002596 0.002308 0.000281 0.994815

PCKMOKAE\_00636 OTHER 0.013383 0.009009 0.003045 0.974563

PCKMOKAE\_00372 OTHER 0.015719 0.000562 0.003908 0.979811

PCKMOKAE\_00378 OTHER 0.006278 0.003996 0.001237 0.988488

PCKMOKAE\_00362 OTHER 0.036512 0.013307 0.003981 0.946200

PCKMOKAE\_00392 OTHER 0.016298 0.004214 0.001875 0.977613

PCKMOKAE\_00171 OTHER 0.121491 0.355413 0.012475 0.510621

PCKMOKAE\_00288 SP(Sec/SPI) 0.985368 0.000365 0.013930 0.000338 CS pos: 20-21. ASA-HP. Pr: 0.8019

PCKMOKAE\_00384 OTHER 0.001832 0.001891 0.000724 0.995553

PCKMOKAE\_01480 OTHER 0.014796 0.003264 0.001431 0.980509

PCKMOKAE\_01329 OTHER 0.004925 0.001198 0.001329 0.992547

PCKMOKAE\_00819 OTHER 0.003232 0.000493 0.000401 0.995875

PCKMOKAE\_00381 OTHER 0.134184 0.007288 0.005333 0.853195

PCKMOKAE\_01812 OTHER 0.006881 0.009876 0.000752 0.982490

PCKMOKAE\_01023 OTHER 0.009349 0.001091 0.000704 0.988856

PCKMOKAE\_01566 SP(Sec/SPI) 0.992287 0.002443 0.002097 0.003172 CS pos: 24-25. VYA-EN. Pr: 0.9588

PCKMOKAE\_01266 OTHER 0.031538 0.143609 0.003308 0.821545

PCKMOKAE\_00919 OTHER 0.009082 0.005163 0.001956 0.983799

PCKMOKAE\_01810 OTHER 0.004263 0.003016 0.001214 0.991507

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_01763 SP(Sec/SPI) 0.984453 0.007348 0.006364 0.001835 CS pos: 23-24. AYA-AG. Pr: 0.8414

PCKMOKAE\_01762 OTHER 0.002359 0.001839 0.000642 0.995160

PCKMOKAE\_01127 OTHER 0.365724 0.029330 0.011149 0.593797

PCKMOKAE\_00369 OTHER 0.003413 0.010373 0.000810 0.985404

PCKMOKAE\_01311 OTHER 0.015631 0.042936 0.004514 0.936919

PCKMOKAE\_00354 OTHER 0.004986 0.001778 0.000697 0.992539

PCKMOKAE\_00600 OTHER 0.010494 0.000635 0.001430 0.987442

PCKMOKAE\_01663 OTHER 0.014656 0.018421 0.003905 0.963017

PCKMOKAE\_01377 OTHER 0.001843 0.003812 0.000478 0.993867

PCKMOKAE\_01519 OTHER 0.000861 0.000229 0.000550 0.998361

PCKMOKAE\_00755 OTHER 0.195918 0.077402 0.029925 0.696756

PCKMOKAE\_01804 OTHER 0.003091 0.000809 0.001061 0.995039

PCKMOKAE\_00689 OTHER 0.020152 0.011048 0.003757 0.965043

PCKMOKAE\_01949 OTHER 0.065797 0.011472 0.018828 0.903903

PCKMOKAE\_00117 OTHER 0.033762 0.003005 0.009737 0.953496

PCKMOKAE\_00006 SP(Sec/SPI) 0.995387 0.000542 0.003756 0.000315 CS pos: 22-23. AVA-GE. Pr: 0.8797

PCKMOKAE\_00736 OTHER 0.079852 0.004537 0.017892 0.897719

PCKMOKAE\_02172 OTHER 0.004905 0.002850 0.000757 0.991487

PCKMOKAE\_00221 OTHER 0.005150 0.002331 0.001449 0.991070

PCKMOKAE\_00601 SP(Sec/SPI) 0.421697 0.259356 0.018654 0.300293 CS pos: 26-27. ARA-NL. Pr: 0.3928

PCKMOKAE\_01695 OTHER 0.012150 0.005483 0.002022 0.980345

PCKMOKAE\_01270 OTHER 0.023576 0.010501 0.008100 0.957823

PCKMOKAE\_00750 OTHER 0.001764 0.006944 0.000280 0.991012

PCKMOKAE\_01743 SP(Sec/SPI) 0.993628 0.001431 0.004024 0.000917 CS pos: 24-25. ASA-GN. Pr: 0.9660

PCKMOKAE\_00370 OTHER 0.005960 0.032247 0.002434 0.959359

PCKMOKAE\_00359 OTHER 0.011117 0.061104 0.003302 0.924477

PCKMOKAE\_00224 LIPO(Sec/SPII) 0.022016 0.000288 0.976408 0.001288 CS pos: 13-14. LTA-CG. Pr: 0.9762

PCKMOKAE\_01096 OTHER 0.025130 0.008041 0.013894 0.952935

PCKMOKAE\_00889 OTHER 0.002002 0.000689 0.000407 0.996902

PCKMOKAE\_00983 OTHER 0.316573 0.001529 0.039371 0.642527

PCKMOKAE\_01382 LIPO(Sec/SPII) 0.015309 0.000150 0.984120 0.000422 CS pos: 17-18. LAA-CA. Pr: 0.9854

PCKMOKAE\_01246 OTHER 0.013229 0.010427 0.000754 0.975589

PCKMOKAE\_01433 OTHER 0.005455 0.000551 0.000832 0.993162

PCKMOKAE\_00022 OTHER 0.008751 0.006568 0.001133 0.983548

PCKMOKAE\_00536 OTHER 0.007324 0.008417 0.000685 0.983574

PCKMOKAE\_00918 OTHER 0.005290 0.008908 0.000968 0.984835

PCKMOKAE\_01865 OTHER 0.190266 0.006983 0.115603 0.687149

PCKMOKAE\_00922 LIPO(Sec/SPII) 0.000810 0.000117 0.998799 0.000274 CS pos: 17-18. LGA-CS. Pr: 0.9994

PCKMOKAE\_01860 OTHER 0.013682 0.000463 0.001163 0.984692

PCKMOKAE\_00382 OTHER 0.008498 0.013158 0.001951 0.976392

PCKMOKAE\_00335 OTHER 0.033145 0.002879 0.003957 0.960019

PCKMOKAE\_00653 OTHER 0.024394 0.001702 0.042602 0.931301

PCKMOKAE\_01998 OTHER 0.031585 0.004099 0.016307 0.948010

PCKMOKAE\_00355 OTHER 0.004170 0.001000 0.000902 0.993927

PCKMOKAE\_00005 OTHER 0.006073 0.001478 0.000377 0.992072

PCKMOKAE\_00753 SP(Sec/SPI) 0.994172 0.004492 0.000986 0.000350 CS pos: 22-23. TLA-AN. Pr: 0.9792

PCKMOKAE\_02019 OTHER 0.006273 0.001044 0.000568 0.992115

PCKMOKAE\_00874 OTHER 0.406670 0.090856 0.006444 0.496030

PCKMOKAE\_00643 SP(Sec/SPI) 0.995064 0.000790 0.003845 0.000301 CS pos: 21-22. AAA-GT. Pr: 0.7146

PCKMOKAE\_00638 OTHER 0.001306 0.000997 0.000397 0.997299

PCKMOKAE\_01272 SP(Sec/SPI) 0.994700 0.002076 0.002381 0.000844 CS pos: 24-25. AYA-AQ. Pr: 0.7792

PCKMOKAE\_01044 OTHER 0.006002 0.002430 0.003274 0.988295

PCKMOKAE\_00209 OTHER 0.051415 0.005471 0.005035 0.938079

**Band\_015**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200424154733

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_00353 SP(Sec/SPI) 0.997537 0.000175 0.001956 0.000332 CS pos: 19-20. ATA-DV. Pr: 0.8670

PCKMOKAE\_00378 OTHER 0.006278 0.003996 0.001237 0.988488

PCKMOKAE\_00373 OTHER 0.008309 0.017154 0.002482 0.972055

PCKMOKAE\_00919 OTHER 0.009082 0.005163 0.001956 0.983799

PCKMOKAE\_01178 OTHER 0.004308 0.005722 0.000706 0.989263

PCKMOKAE\_01130 SP(Sec/SPI) 0.998411 0.000316 0.000891 0.000382 CS pos: 22-23. ALA-DI. Pr: 0.9965

PCKMOKAE\_00369 OTHER 0.003413 0.010373 0.000810 0.985404

PCKMOKAE\_01342 OTHER 0.002596 0.002308 0.000281 0.994815

PCKMOKAE\_01023 OTHER 0.009349 0.001091 0.000704 0.988856

PCKMOKAE\_02172 OTHER 0.004905 0.002850 0.000757 0.991487

PCKMOKAE\_01810 OTHER 0.004263 0.003016 0.001214 0.991507

PCKMOKAE\_00209 OTHER 0.051415 0.005471 0.005035 0.938079

PCKMOKAE\_00372 OTHER 0.015719 0.000562 0.003908 0.979811

PCKMOKAE\_00384 OTHER 0.001832 0.001891 0.000724 0.995553

PCKMOKAE\_01266 OTHER 0.031538 0.143609 0.003308 0.821545

PCKMOKAE\_01433 OTHER 0.005455 0.000551 0.000832 0.993162

PCKMOKAE\_00381 OTHER 0.134184 0.007288 0.005333 0.853195

PCKMOKAE\_00600 OTHER 0.010494 0.000635 0.001430 0.987442

PCKMOKAE\_00210 OTHER 0.004198 0.003656 0.000476 0.991671

PCKMOKAE\_00362 OTHER 0.036512 0.013307 0.003981 0.946200

PCKMOKAE\_00889 OTHER 0.002002 0.000689 0.000407 0.996902

PCKMOKAE\_02008 SP(Sec/SPI) 0.564503 0.008872 0.425006 0.001619 CS pos: 29-30. SHA-AT. Pr: 0.4454

PCKMOKAE\_00689 OTHER 0.020152 0.011048 0.003757 0.965043

PCKMOKAE\_00355 OTHER 0.004170 0.001000 0.000902 0.993927

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_00382 OTHER 0.008498 0.013158 0.001951 0.976392

PCKMOKAE\_02052 OTHER 0.013321 0.001519 0.002190 0.982969

PCKMOKAE\_01311 OTHER 0.015631 0.042936 0.004514 0.936919

PCKMOKAE\_00383 OTHER 0.010933 0.002829 0.001938 0.984300

PCKMOKAE\_00288 SP(Sec/SPI) 0.985368 0.000365 0.013930 0.000338 CS pos: 20-21. ASA-HP. Pr: 0.8019

PCKMOKAE\_01817 OTHER 0.235593 0.011191 0.039191 0.714025

PCKMOKAE\_00370 OTHER 0.005960 0.032247 0.002434 0.959359

PCKMOKAE\_00367 OTHER 0.019465 0.057007 0.004202 0.919327

PCKMOKAE\_00221 OTHER 0.005150 0.002331 0.001449 0.991070

PCKMOKAE\_00171 OTHER 0.121491 0.355413 0.012475 0.510621

PCKMOKAE\_00359 OTHER 0.011117 0.061104 0.003302 0.924477

PCKMOKAE\_00438 OTHER 0.002063 0.000290 0.000218 0.997429

PCKMOKAE\_00371 OTHER 0.003155 0.005692 0.000480 0.990672

PCKMOKAE\_02014 OTHER 0.005875 0.000836 0.001804 0.991485

PCKMOKAE\_00643 SP(Sec/SPI) 0.995064 0.000790 0.003845 0.000301 CS pos: 21-22. AAA-GT. Pr: 0.7146

PCKMOKAE\_00586 OTHER 0.002610 0.000637 0.000279 0.996474

PCKMOKAE\_00751 OTHER 0.006012 0.025779 0.000586 0.967622

PCKMOKAE\_00725 SP(Sec/SPI) 0.926977 0.000303 0.061520 0.011200 CS pos: 19-20. LQA-QT. Pr: 0.8454

PCKMOKAE\_00523 OTHER 0.010709 0.010640 0.000925 0.977726

PCKMOKAE\_00407 OTHER 0.004104 0.132343 0.001668 0.861884

PCKMOKAE\_01382 LIPO(Sec/SPII) 0.015309 0.000150 0.984120 0.000422 CS pos: 17-18. LAA-CA. Pr: 0.9854

PCKMOKAE\_01966 OTHER 0.003439 0.001260 0.000362 0.994938

PCKMOKAE\_01743 SP(Sec/SPI) 0.993628 0.001431 0.004024 0.000917 CS pos: 24-25. ASA-GN. Pr: 0.9660

PCKMOKAE\_02089 SP(Sec/SPI) 0.971205 0.014358 0.006223 0.008214 CS pos: 27-28. ASA-AV. Pr: 0.9327

PCKMOKAE\_00638 OTHER 0.001306 0.000997 0.000397 0.997299

PCKMOKAE\_01891 OTHER 0.345679 0.004225 0.014680 0.635416

PCKMOKAE\_01825 OTHER 0.004226 0.002637 0.000447 0.992690

PCKMOKAE\_01740 OTHER 0.019827 0.020637 0.005008 0.954528

**Band\_016**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200424161712

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_01743 SP(Sec/SPI) 0.993628 0.001431 0.004024 0.000917 CS pos: 24-25. ASA-GN. Pr: 0.9660

PCKMOKAE\_00342 SP(Sec/SPI) 0.998160 0.000528 0.000581 0.000732 CS pos: 21-22. AFA-DF. Pr: 0.9952

PCKMOKAE\_00574 SP(Sec/SPI) 0.862025 0.008997 0.116101 0.012877 CS pos: 23-24. LYA-QN. Pr: 0.8352

PCKMOKAE\_01350 OTHER 0.045615 0.008452 0.011438 0.934495

PCKMOKAE\_00480 OTHER 0.044447 0.001502 0.029325 0.924725

PCKMOKAE\_00328 OTHER 0.036923 0.020571 0.009010 0.933496

PCKMOKAE\_00861 OTHER 0.005387 0.005357 0.000477 0.988779

PCKMOKAE\_00325 OTHER 0.009859 0.000946 0.000804 0.988390

PCKMOKAE\_00246 OTHER 0.002519 0.006081 0.000309 0.991091

PCKMOKAE\_00151 OTHER 0.005986 0.006075 0.000531 0.987408

PCKMOKAE\_00273 SP(Sec/SPI) 0.760017 0.001083 0.172479 0.066420 CS pos: 24-25. FNA-LD. Pr: 0.5588

PCKMOKAE\_01561 OTHER 0.014291 0.003116 0.005517 0.977076

PCKMOKAE\_02067 OTHER 0.022731 0.003072 0.003993 0.970204

PCKMOKAE\_00619 OTHER 0.002854 0.000481 0.000366 0.996299

PCKMOKAE\_00579 OTHER 0.001577 0.001383 0.000171 0.996869

PCKMOKAE\_00618 OTHER 0.003791 0.000753 0.000463 0.994994

PCKMOKAE\_00307 OTHER 0.009458 0.006558 0.001589 0.982395

PCKMOKAE\_00130 OTHER 0.012321 0.001830 0.001530 0.984319

PCKMOKAE\_01613 OTHER 0.008670 0.005149 0.002067 0.984114

PCKMOKAE\_00617 OTHER 0.003307 0.004620 0.000426 0.991647

PCKMOKAE\_00616 OTHER 0.012784 0.017081 0.001316 0.968819

PCKMOKAE\_00215 OTHER 0.021097 0.002985 0.003281 0.972636

PCKMOKAE\_01745 OTHER 0.018696 0.020468 0.002707 0.958129

PCKMOKAE\_01586 SP(Sec/SPI) 0.470604 0.185595 0.006975 0.336825 CS pos: 49-50. APA-AD. Pr: 0.3288

PCKMOKAE\_00041 OTHER 0.015508 0.014123 0.000868 0.969502

PCKMOKAE\_01877 OTHER 0.004591 0.000440 0.000471 0.994499

PCKMOKAE\_00782 OTHER 0.046923 0.018383 0.226930 0.707764

PCKMOKAE\_00611 SP(Sec/SPI) 0.995312 0.000409 0.003824 0.000455 CS pos: 20-21. AVA-AH. Pr: 0.6705

PCKMOKAE\_00569 OTHER 0.003542 0.002002 0.000378 0.994078

PCKMOKAE\_01308 OTHER 0.137265 0.234038 0.012358 0.616339

PCKMOKAE\_00353 SP(Sec/SPI) 0.997537 0.000175 0.001956 0.000332 CS pos: 19-20. ATA-DV. Pr: 0.8670

PCKMOKAE\_00715 OTHER 0.007379 0.000916 0.000840 0.990864

PCKMOKAE\_01130 SP(Sec/SPI) 0.998411 0.000316 0.000891 0.000382 CS pos: 22-23. ALA-DI. Pr: 0.9965

PCKMOKAE\_01722 OTHER 0.003141 0.001069 0.000398 0.995392

PCKMOKAE\_00714 OTHER 0.467022 0.004821 0.012115 0.516042

PCKMOKAE\_00222 OTHER 0.019112 0.007874 0.003471 0.969543

PCKMOKAE\_00380 OTHER 0.011445 0.013803 0.003812 0.970940

PCKMOKAE\_00472 OTHER 0.024231 0.001082 0.005278 0.969409

PCKMOKAE\_02181 OTHER 0.014739 0.007070 0.001477 0.976714

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_01968 OTHER 0.005468 0.008217 0.000542 0.985774

PCKMOKAE\_00046 OTHER 0.046678 0.009822 0.002335 0.941165

PCKMOKAE\_01566 SP(Sec/SPI) 0.992287 0.002443 0.002097 0.003172 CS pos: 24-25. VYA-EN. Pr: 0.9588

PCKMOKAE\_01121 SP(Sec/SPI) 0.994469 0.002608 0.002380 0.000543 CS pos: 24-25. AHA-SD. Pr: 0.9854

PCKMOKAE\_01908 OTHER 0.066682 0.094763 0.025785 0.812770

PCKMOKAE\_01225 SP(Sec/SPI) 0.828448 0.000934 0.167409 0.003209 CS pos: 24-25. CAA-DT. Pr: 0.5457

PCKMOKAE\_01886 OTHER 0.002570 0.001239 0.000247 0.995944

PCKMOKAE\_01405 OTHER 0.008098 0.002857 0.000691 0.988354

PCKMOKAE\_00808 OTHER 0.011179 0.008800 0.001876 0.978145

PCKMOKAE\_01567 LIPO(Sec/SPII) 0.002504 0.000071 0.996641 0.000784 CS pos: 20-21. LSA-CL. Pr: 0.9966

PCKMOKAE\_01946 OTHER 0.008336 0.001480 0.001024 0.989160

PCKMOKAE\_01359 OTHER 0.038260 0.007410 0.003663 0.950667

PCKMOKAE\_01485 SP(Sec/SPI) 0.582385 0.035539 0.044538 0.337539 CS pos: 21-22. IAA-AS. Pr: 0.2195

PCKMOKAE\_00684 OTHER 0.009083 0.002025 0.000273 0.988620

PCKMOKAE\_01559 OTHER 0.002606 0.000322 0.000469 0.996603

PCKMOKAE\_01892 OTHER 0.011276 0.012259 0.001941 0.974524

PCKMOKAE\_01882 OTHER 0.057942 0.344840 0.018895 0.578323

PCKMOKAE\_01017 OTHER 0.010563 0.003633 0.002028 0.983776

PCKMOKAE\_00793 OTHER 0.098955 0.017280 0.023896 0.859869

PCKMOKAE\_00992 SP(Sec/SPI) 0.978354 0.003194 0.003310 0.015142 CS pos: 24-25. AQA-HE. Pr: 0.8530

PCKMOKAE\_01398 OTHER 0.112506 0.024521 0.004110 0.858863

PCKMOKAE\_00213 OTHER 0.015561 0.002097 0.001032 0.981310

PCKMOKAE\_00371 OTHER 0.003155 0.005692 0.000480 0.990672

PCKMOKAE\_00667 OTHER 0.007066 0.001041 0.000971 0.990922

PCKMOKAE\_00378 OTHER 0.006278 0.003996 0.001237 0.988488

PCKMOKAE\_00171 OTHER 0.121491 0.355413 0.012475 0.510621

PCKMOKAE\_00006 SP(Sec/SPI) 0.995387 0.000542 0.003756 0.000315 CS pos: 22-23. AVA-GE. Pr: 0.8797

PCKMOKAE\_01491 OTHER 0.004412 0.000840 0.000767 0.993981

PCKMOKAE\_01272 SP(Sec/SPI) 0.994700 0.002076 0.002381 0.000844 CS pos: 24-25. AYA-AQ. Pr: 0.7792

PCKMOKAE\_00777 OTHER 0.027808 0.002394 0.001729 0.968068

PCKMOKAE\_00210 OTHER 0.004198 0.003656 0.000476 0.991671

PCKMOKAE\_01147 OTHER 0.003692 0.002833 0.000448 0.993027

PCKMOKAE\_00918 OTHER 0.005290 0.008908 0.000968 0.984835

PCKMOKAE\_01486 OTHER 0.008055 0.000897 0.000428 0.990619

PCKMOKAE\_00688 OTHER 0.008340 0.001397 0.002438 0.987825

PCKMOKAE\_00990 OTHER 0.029080 0.032858 0.003186 0.934875

PCKMOKAE\_01223 OTHER 0.005237 0.002621 0.001617 0.990525

PCKMOKAE\_00009 OTHER 0.003609 0.002005 0.000594 0.993792

PCKMOKAE\_00350 OTHER 0.010374 0.002008 0.002440 0.985177

PCKMOKAE\_01498 LIPO(Sec/SPII) 0.005827 0.000266 0.993617 0.000290 CS pos: 20-21. LSA-CG. Pr: 0.9944

PCKMOKAE\_00345 OTHER 0.002181 0.000296 0.000243 0.997280

PCKMOKAE\_01287 SP(Sec/SPI) 0.982700 0.004000 0.004066 0.009234 CS pos: 27-28. SEA-AL. Pr: 0.9167

PCKMOKAE\_00610 SP(Sec/SPI) 0.903787 0.035906 0.020506 0.039800 CS pos: 30-31. GFA-AE. Pr: 0.6985

PCKMOKAE\_00609 OTHER 0.019653 0.007582 0.000645 0.972119

PCKMOKAE\_01218 OTHER 0.011085 0.007951 0.002255 0.978709

PCKMOKAE\_01067 OTHER 0.005947 0.002063 0.001258 0.990732

PCKMOKAE\_01056 OTHER 0.297143 0.004143 0.095806 0.602907

PCKMOKAE\_00603 OTHER 0.002636 0.000413 0.000234 0.996718

PCKMOKAE\_00209 OTHER 0.051415 0.005471 0.005035 0.938079

PCKMOKAE\_00173 OTHER 0.007195 0.019307 0.000886 0.972612

PCKMOKAE\_00762 OTHER 0.006838 0.000947 0.000480 0.991735

PCKMOKAE\_01503 OTHER 0.053470 0.017818 0.004827 0.923885

PCKMOKAE\_00799 LIPO(Sec/SPII) 0.104612 0.007519 0.747650 0.140219 CS pos: 23-24. GQA-CE. Pr: 0.8129

PCKMOKAE\_01406 OTHER 0.034562 0.000341 0.028311 0.936786

PCKMOKAE\_01070 OTHER 0.002308 0.001477 0.000448 0.995767

**Band\_017**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200424162052

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_01743 SP(Sec/SPI) 0.993628 0.001431 0.004024 0.000917 CS pos: 24-25. ASA-GN. Pr: 0.9660

PCKMOKAE\_00342 SP(Sec/SPI) 0.998160 0.000528 0.000581 0.000732 CS pos: 21-22. AFA-DF. Pr: 0.9952

PCKMOKAE\_00574 SP(Sec/SPI) 0.862025 0.008997 0.116101 0.012877 CS pos: 23-24. LYA-QN. Pr: 0.8352

PCKMOKAE\_01350 OTHER 0.045615 0.008452 0.011438 0.934495

PCKMOKAE\_00480 OTHER 0.044447 0.001502 0.029325 0.924725

PCKMOKAE\_00273 SP(Sec/SPI) 0.760017 0.001083 0.172479 0.066420 CS pos: 24-25. FNA-LD. Pr: 0.5588

PCKMOKAE\_00222 OTHER 0.019112 0.007874 0.003471 0.969543

PCKMOKAE\_01130 SP(Sec/SPI) 0.998411 0.000316 0.000891 0.000382 CS pos: 22-23. ALA-DI. Pr: 0.9965

PCKMOKAE\_00861 OTHER 0.005387 0.005357 0.000477 0.988779

PCKMOKAE\_00918 OTHER 0.005290 0.008908 0.000968 0.984835

PCKMOKAE\_01613 OTHER 0.008670 0.005149 0.002067 0.984114

PCKMOKAE\_00618 OTHER 0.003791 0.000753 0.000463 0.994994

PCKMOKAE\_00617 OTHER 0.003307 0.004620 0.000426 0.991647

PCKMOKAE\_00619 OTHER 0.002854 0.000481 0.000366 0.996299

PCKMOKAE\_01398 OTHER 0.112506 0.024521 0.004110 0.858863

PCKMOKAE\_00325 OTHER 0.009859 0.000946 0.000804 0.988390

PCKMOKAE\_00215 OTHER 0.021097 0.002985 0.003281 0.972636

PCKMOKAE\_00610 SP(Sec/SPI) 0.903787 0.035906 0.020506 0.039800 CS pos: 30-31. GFA-AE. Pr: 0.6985

PCKMOKAE\_00616 OTHER 0.012784 0.017081 0.001316 0.968819

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_01405 OTHER 0.008098 0.002857 0.000691 0.988354

PCKMOKAE\_00353 SP(Sec/SPI) 0.997537 0.000175 0.001956 0.000332 CS pos: 19-20. ATA-DV. Pr: 0.8670

PCKMOKAE\_00246 OTHER 0.002519 0.006081 0.000309 0.991091

PCKMOKAE\_02067 OTHER 0.022731 0.003072 0.003993 0.970204

PCKMOKAE\_00684 OTHER 0.009083 0.002025 0.000273 0.988620

PCKMOKAE\_00579 OTHER 0.001577 0.001383 0.000171 0.996869

PCKMOKAE\_00130 OTHER 0.012321 0.001830 0.001530 0.984319

PCKMOKAE\_00328 OTHER 0.036923 0.020571 0.009010 0.933496

PCKMOKAE\_00715 OTHER 0.007379 0.000916 0.000840 0.990864

PCKMOKAE\_00041 OTHER 0.015508 0.014123 0.000868 0.969502

PCKMOKAE\_01561 OTHER 0.014291 0.003116 0.005517 0.977076

PCKMOKAE\_01586 SP(Sec/SPI) 0.470604 0.185595 0.006975 0.336825 CS pos: 49-50. APA-AD. Pr: 0.3288

PCKMOKAE\_01485 SP(Sec/SPI) 0.582385 0.035539 0.044538 0.337539 CS pos: 21-22. IAA-AS. Pr: 0.2195

PCKMOKAE\_00307 OTHER 0.009458 0.006558 0.001589 0.982395

PCKMOKAE\_01878 OTHER 0.007402 0.017534 0.004169 0.970894

PCKMOKAE\_01566 SP(Sec/SPI) 0.992287 0.002443 0.002097 0.003172 CS pos: 24-25. VYA-EN. Pr: 0.9588

PCKMOKAE\_00611 SP(Sec/SPI) 0.995312 0.000409 0.003824 0.000455 CS pos: 20-21. AVA-AH. Pr: 0.6705

PCKMOKAE\_00151 OTHER 0.005986 0.006075 0.000531 0.987408

PCKMOKAE\_00378 OTHER 0.006278 0.003996 0.001237 0.988488

PCKMOKAE\_00808 OTHER 0.011179 0.008800 0.001876 0.978145

PCKMOKAE\_01460 OTHER 0.007094 0.011155 0.000984 0.980767

PCKMOKAE\_01565 LIPO(Sec/SPII) 0.002292 0.000123 0.997433 0.000151 CS pos: 16-17. LAA-CG. Pr: 0.9982

PCKMOKAE\_00569 OTHER 0.003542 0.002002 0.000378 0.994078

PCKMOKAE\_00171 OTHER 0.121491 0.355413 0.012475 0.510621

PCKMOKAE\_01886 OTHER 0.002570 0.001239 0.000247 0.995944

PCKMOKAE\_00210 OTHER 0.004198 0.003656 0.000476 0.991671

PCKMOKAE\_00213 OTHER 0.015561 0.002097 0.001032 0.981310

PCKMOKAE\_01272 SP(Sec/SPI) 0.994700 0.002076 0.002381 0.000844 CS pos: 24-25. AYA-AQ. Pr: 0.7792

PCKMOKAE\_01882 OTHER 0.057942 0.344840 0.018895 0.578323

PCKMOKAE\_01225 SP(Sec/SPI) 0.828448 0.000934 0.167409 0.003209 CS pos: 24-25. CAA-DT. Pr: 0.5457

PCKMOKAE\_01877 OTHER 0.004591 0.000440 0.000471 0.994499

PCKMOKAE\_01908 OTHER 0.066682 0.094763 0.025785 0.812770

PCKMOKAE\_01968 OTHER 0.005468 0.008217 0.000542 0.985774

PCKMOKAE\_00371 OTHER 0.003155 0.005692 0.000480 0.990672

PCKMOKAE\_00992 SP(Sec/SPI) 0.978354 0.003194 0.003310 0.015142 CS pos: 24-25. AQA-HE. Pr: 0.8530

PCKMOKAE\_00472 OTHER 0.024231 0.001082 0.005278 0.969409

PCKMOKAE\_00714 OTHER 0.467022 0.004821 0.012115 0.516042

PCKMOKAE\_00284 LIPO(Sec/SPII) 0.002181 0.000082 0.997587 0.000149 CS pos: 17-18. LAA-CG. Pr: 0.9982

PCKMOKAE\_01017 OTHER 0.010563 0.003633 0.002028 0.983776

PCKMOKAE\_01503 OTHER 0.053470 0.017818 0.004827 0.923885

PCKMOKAE\_01957 OTHER 0.123441 0.000504 0.212556 0.663499

PCKMOKAE\_00258 OTHER 0.005748 0.000168 0.000640 0.993444

PCKMOKAE\_01722 OTHER 0.003141 0.001069 0.000398 0.995392

**Band\_018**

# SignalP-5.0 Organism: Gram-negative Timestamp: 20200424162535

# ID Prediction SP(Sec/SPI) TAT(Tat/SPI) LIPO(Sec/SPII) OTHER CS Position

PCKMOKAE\_01130 SP(Sec/SPI) 0.998411 0.000316 0.000891 0.000382 CS pos: 22-23. ALA-DI. Pr: 0.9965

PCKMOKAE\_00353 SP(Sec/SPI) 0.997537 0.000175 0.001956 0.000332 CS pos: 19-20. ATA-DV. Pr: 0.8670

PCKMOKAE\_00725 SP(Sec/SPI) 0.926977 0.000303 0.061520 0.011200 CS pos: 19-20. LQA-QT. Pr: 0.8454

PCKMOKAE\_01224 SP(Sec/SPI) 0.970216 0.000395 0.028451 0.000938 CS pos: 20-21. VHA-AP. Pr: 0.8765

PCKMOKAE\_01743 SP(Sec/SPI) 0.993628 0.001431 0.004024 0.000917 CS pos: 24-25. ASA-GN. Pr: 0.9660

PCKMOKAE\_00856 OTHER 0.008244 0.002047 0.002093 0.987616

PCKMOKAE\_01355 OTHER 0.005145 0.001762 0.000549 0.992544

PCKMOKAE\_00296 OTHER 0.006926 0.002439 0.000368 0.990267

PCKMOKAE\_00636 OTHER 0.013383 0.009009 0.003045 0.974563

PCKMOKAE\_01515 OTHER 0.012744 0.011166 0.003697 0.972392

PCKMOKAE\_01490 OTHER 0.024866 0.018809 0.001623 0.954702

PCKMOKAE\_01610 OTHER 0.011534 0.003986 0.001228 0.983253

PCKMOKAE\_01768 OTHER 0.004506 0.001307 0.000682 0.993505

PCKMOKAE\_00251 OTHER 0.006801 0.003891 0.001489 0.987819

PCKMOKAE\_00922 LIPO(Sec/SPII) 0.000810 0.000117 0.998799 0.000274 CS pos: 17-18. LGA-CS. Pr: 0.9994

PCKMOKAE\_01480 OTHER 0.014796 0.003264 0.001431 0.980509

PCKMOKAE\_01512 OTHER 0.007434 0.002386 0.001739 0.988442

PCKMOKAE\_00117 OTHER 0.033762 0.003005 0.009737 0.953496

PCKMOKAE\_01037 LIPO(Sec/SPII) 0.001652 0.000223 0.997516 0.000609 CS pos: 20-21. LSA-CT. Pr: 0.9987

PCKMOKAE\_00618 OTHER 0.003791 0.000753 0.000463 0.994994

PCKMOKAE\_01329 OTHER 0.004925 0.001198 0.001329 0.992547

PCKMOKAE\_00210 OTHER 0.004198 0.003656 0.000476 0.991671

PCKMOKAE\_00386 OTHER 0.023178 0.075130 0.001274 0.900418

PCKMOKAE\_00371 OTHER 0.003155 0.005692 0.000480 0.990672

PCKMOKAE\_01901 OTHER 0.003670 0.002429 0.000463 0.993437

PCKMOKAE\_00209 OTHER 0.051415 0.005471 0.005035 0.938079

PCKMOKAE\_01442 SP(Sec/SPI) 0.997989 0.000308 0.001204 0.000499 CS pos: 21-22. AYA-VE. Pr: 0.9921

PCKMOKAE\_00392 OTHER 0.016298 0.004214 0.001875 0.977613

PCKMOKAE\_01342 OTHER 0.002596 0.002308 0.000281 0.994815

PCKMOKAE\_01297 OTHER 0.057880 0.008985 0.028917 0.904219

PCKMOKAE\_01064 OTHER 0.003992 0.001128 0.000505 0.994375

PCKMOKAE\_00866 OTHER 0.004199 0.001862 0.000404 0.993535

PCKMOKAE\_00378 OTHER 0.006278 0.003996 0.001237 0.988488

PCKMOKAE\_00819 OTHER 0.003232 0.000493 0.000401 0.995875

PCKMOKAE\_00536 OTHER 0.007324 0.008417 0.000685 0.983574

PCKMOKAE\_01514 OTHER 0.025637 0.039509 0.004307 0.930547

PCKMOKAE\_01519 OTHER 0.000861 0.000229 0.000550 0.998361

PCKMOKAE\_00994 OTHER 0.002970 0.003767 0.000204 0.993058

PCKMOKAE\_00166 OTHER 0.007330 0.002712 0.001401 0.988558

PCKMOKAE\_01350 OTHER 0.045615 0.008452 0.011438 0.934495

PCKMOKAE\_00368 OTHER 0.013318 0.004186 0.000962 0.981534

PCKMOKAE\_00755 OTHER 0.195918 0.077402 0.029925 0.696756

PCKMOKAE\_00171 OTHER 0.121491 0.355413 0.012475 0.510621

PCKMOKAE\_00531 OTHER 0.004954 0.000842 0.000481 0.993723

PCKMOKAE\_00958 OTHER 0.012505 0.002079 0.002875 0.982541

PCKMOKAE\_01160 OTHER 0.058765 0.003421 0.007178 0.930636

PCKMOKAE\_00918 OTHER 0.005290 0.008908 0.000968 0.984835

PCKMOKAE\_00750 OTHER 0.001764 0.006944 0.000280 0.991012

PCKMOKAE\_01181 SP(Sec/SPI) 0.991379 0.000278 0.007189 0.001155 CS pos: 19-20. ATA-AP. Pr: 0.8029

PCKMOKAE\_00042 OTHER 0.021167 0.022034 0.002717 0.954082

PCKMOKAE\_00224 LIPO(Sec/SPII) 0.022016 0.000288 0.976408 0.001288 CS pos: 13-14. LTA-CG. Pr: 0.9762

PCKMOKAE\_00382 OTHER 0.008498 0.013158 0.001951 0.976392

PCKMOKAE\_00480 OTHER 0.044447 0.001502 0.029325 0.924725

PCKMOKAE\_00965 OTHER 0.002532 0.002076 0.000168 0.995224

PCKMOKAE\_00864 OTHER 0.004455 0.000610 0.000340 0.994595

PCKMOKAE\_00571 OTHER 0.022122 0.032616 0.006872 0.938390

PCKMOKAE\_01949 OTHER 0.065797 0.011472 0.018828 0.903903

PCKMOKAE\_01305 OTHER 0.019354 0.022722 0.006180 0.951744

PCKMOKAE\_01511 OTHER 0.011894 0.011460 0.003446 0.973199

PCKMOKAE\_01060 OTHER 0.007763 0.000278 0.015296 0.976662

PCKMOKAE\_00380 OTHER 0.011445 0.013803 0.003812 0.970940

PCKMOKAE\_02137 OTHER 0.108621 0.005166 0.006176 0.880037

PCKMOKAE\_00736 OTHER 0.079852 0.004537 0.017892 0.897719

PCKMOKAE\_01421 OTHER 0.405219 0.024465 0.006119 0.564198

PCKMOKAE\_01132 OTHER 0.017734 0.002180 0.002491 0.977596

PCKMOKAE\_00367 OTHER 0.019465 0.057007 0.004202 0.919327

PCKMOKAE\_01399 OTHER 0.167963 0.031101 0.004340 0.796596