**Supplementary Table 7. TMHMM Server V.2.0 output for proteins within the 18 bands excised for mass spctrometry**

**Band\_001**

PCKMOKAE\_00918 len=544 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00480 len=642 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01967 len=500 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01917 len=222 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00938 len=172 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

**Band\_002**

PCKMOKAE\_00616 len=570 ExpAA=0.15 First60=0.14 PredHel=0 Topology=o

PCKMOKAE\_00307 len=678 ExpAA=0.10 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01561 len=602 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00579 len=561 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00222 len=701 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01908 len=620 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01997 len=671 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01350 len=706 ExpAA=0.95 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00009 len=558 ExpAA=0.18 First60=0.17 PredHel=0 Topology=o

PCKMOKAE\_00480 len=642 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00747 len=490 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00618 len=520 ExpAA=0.40 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00918 len=544 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01359 len=597 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01877 len=758 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01743 len=731 ExpAA=1.51 First60=1.50 PredHel=0 Topology=o

PCKMOKAE\_00619 len=594 ExpAA=0.22 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00130 len=603 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02013 len=542 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01398 len=857 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00406 len=916 ExpAA=0.60 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01331 len=557 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01317 len=787 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00696 len=596 ExpAA=18.53 First60=18.47 PredHel=1 Topology=i7-24o

PCKMOKAE\_01196 len=598 ExpAA=0.05 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_00213 len=1392 ExpAA=0.22 First60=0.16 PredHel=0 Topology=o

PCKMOKAE\_00611 len=598 ExpAA=1.26 First60=1.26 PredHel=0 Topology=o

**Band\_003**

PCKMOKAE\_00866 len=515 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00170 len=521 ExpAA=0.27 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00527 len=464 ExpAA=5.25 First60=5.16 PredHel=0 Topology=o

PCKMOKAE\_00621 len=516 ExpAA=17.35 First60=17.34 PredHel=1 Topology=i5-24o

PCKMOKAE\_01579 len=447 ExpAA=1.58 First60=0.99 PredHel=0 Topology=o

PCKMOKAE\_01948 len=491 ExpAA=0.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01725 len=497 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01065 len=431 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01771 len=508 ExpAA=0.73 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00656 len=473 ExpAA=0.12 First60=0.12 PredHel=0 Topology=o

PCKMOKAE\_01670 len=481 ExpAA=0.86 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01508 len=575 ExpAA=1.69 First60=0.71 PredHel=0 Topology=o

PCKMOKAE\_01429 len=558 ExpAA=0.32 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00243 len=443 ExpAA=0.10 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00617 len=887 ExpAA=0.11 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02015 len=512 ExpAA=18.35 First60=18.35 PredHel=1 Topology=i12-31o

PCKMOKAE\_00642 len=488 ExpAA=3.60 First60=3.46 PredHel=0 Topology=o

PCKMOKAE\_01805 len=462 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01838 len=470 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01138 len=531 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02067 len=659 ExpAA=2.88 First60=0.38 PredHel=0 Topology=o

PCKMOKAE\_01350 len=706 ExpAA=0.95 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01877 len=758 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01133 len=500 ExpAA=0.26 First60=0.14 PredHel=0 Topology=o

PCKMOKAE\_01160 len=354 ExpAA=4.47 First60=0.12 PredHel=0 Topology=o

PCKMOKAE\_02028 len=500 ExpAA=0.34 First60=0.05 PredHel=0 Topology=o

PCKMOKAE\_00616 len=570 ExpAA=0.15 First60=0.14 PredHel=0 Topology=o

PCKMOKAE\_01398 len=857 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01059 len=444 ExpAA=3.45 First60=0.73 PredHel=0 Topology=o

PCKMOKAE\_01968 len=943 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01672 len=476 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01986 len=442 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00714 len=684 ExpAA=0.24 First60=0.11 PredHel=0 Topology=o

PCKMOKAE\_01879 len=489 ExpAA=0.29 First60=0.20 PredHel=0 Topology=o

PCKMOKAE\_00591 len=436 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01275 len=514 ExpAA=1.61 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02186 len=451 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00579 len=561 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01024 len=582 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00325 len=919 ExpAA=0.09 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01440 len=465 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00309 len=796 ExpAA=0.50 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01748 len=495 ExpAA=151.85 First60=41.23 PredHel=7 Topology=i9-30o40-62i75-97o107-129i142-164o169-188i195-217o

PCKMOKAE\_01561 len=602 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00424 len=398 ExpAA=2.99 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00619 len=594 ExpAA=0.22 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00436 len=306 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01533 len=526 ExpAA=0.07 First60=0.06 PredHel=0 Topology=o

PCKMOKAE\_02136 len=472 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00831 len=469 ExpAA=13.58 First60=13.33 PredHel=0 Topology=o

PCKMOKAE\_00345 len=149 ExpAA=1.29 First60=0.15 PredHel=0 Topology=o

PCKMOKAE\_00675 len=480 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01168 len=642 ExpAA=237.85 First60=38.08 PredHel=11 Topology=i13-35o45-62i69-87o102-124i131-153o202-221i226-241o251-273i355-377o405-424i436-458o

PCKMOKAE\_00213 len=1392 ExpAA=0.22 First60=0.16 PredHel=0 Topology=o

PCKMOKAE\_02060 len=216 ExpAA=0.63 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00253 len=334 ExpAA=0.03 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_00353 len=348 ExpAA=14.59 First60=14.59 PredHel=1 Topology=i5-27o

PCKMOKAE\_01503 len=861 ExpAA=0.23 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02019 len=231 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01924 len=597 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01702 len=499 ExpAA=7.51 First60=7.42 PredHel=0 Topology=o

PCKMOKAE\_01034 len=210 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02088 len=192 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01965 len=426 ExpAA=1.89 First60=1.53 PredHel=0 Topology=o

**Band\_004**

PCKMOKAE\_01877 len=758 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00222 len=701 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01405 len=741 ExpAA=0.06 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00569 len=759 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01398 len=857 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00309 len=796 ExpAA=0.50 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01256 len=753 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01147 len=794 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00617 len=887 ExpAA=0.11 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00866 len=515 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01350 len=706 ExpAA=0.95 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00737 len=757 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01067 len=661 ExpAA=0.39 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01503 len=861 ExpAA=0.23 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01317 len=787 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00404 len=642 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00215 len=1391 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02199 len=950 ExpAA=2.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00170 len=521 ExpAA=0.27 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00342 len=792 ExpAA=3.84 First60=3.78 PredHel=0 Topology=o

PCKMOKAE\_01567 len=704 ExpAA=5.45 First60=5.45 PredHel=0 Topology=o

PCKMOKAE\_00353 len=348 ExpAA=14.59 First60=14.59 PredHel=1 Topology=i5-27o

PCKMOKAE\_01858 len=310 ExpAA=0.40 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00808 len=1201 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01160 len=354 ExpAA=4.47 First60=0.12 PredHel=0 Topology=o

PCKMOKAE\_01531 len=885 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01989 len=354 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01878 len=245 ExpAA=0.12 First60=0.12 PredHel=0 Topology=o

PCKMOKAE\_01491 len=573 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00918 len=544 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01748 len=495 ExpAA=151.85 First60=41.23 PredHel=7 Topology=i9-30o40-62i75-97o107-129i142-164o169-188i195-217o

PCKMOKAE\_01460 len=767 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01088 len=929 ExpAA=0.42 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01217 len=432 ExpAA=0.04 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01910 len=437 ExpAA=3.60 First60=3.42 PredHel=0 Topology=o

PCKMOKAE\_00739 len=335 ExpAA=0.19 First60=0.07 PredHel=0 Topology=o

PCKMOKAE\_00307 len=678 ExpAA=0.10 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01308 len=637 ExpAA=0.07 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_01261 len=197 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00619 len=594 ExpAA=0.22 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01283 len=189 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00984 len=319 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00213 len=1392 ExpAA=0.22 First60=0.16 PredHel=0 Topology=o

**Band\_005**

PCKMOKAE\_00753 len=407 ExpAA=3.46 First60=3.46 PredHel=0 Topology=o

PCKMOKAE\_01818 len=404 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01041 len=444 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01160 len=354 ExpAA=4.47 First60=0.12 PredHel=0 Topology=o

PCKMOKAE\_00519 len=417 ExpAA=0.18 First60=0.15 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01984 len=426 ExpAA=0.52 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_01128 len=458 ExpAA=0.06 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00424 len=398 ExpAA=2.99 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00298 len=415 ExpAA=5.65 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00652 len=384 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01035 len=412 ExpAA=0.12 First60=0.12 PredHel=0 Topology=o

PCKMOKAE\_00834 len=414 ExpAA=0.99 First60=0.08 PredHel=0 Topology=o

PCKMOKAE\_01286 len=400 ExpAA=0.20 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00461 len=396 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01752 len=431 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00044 len=435 ExpAA=1.00 First60=0.83 PredHel=0 Topology=o

PCKMOKAE\_01278 len=424 ExpAA=0.31 First60=0.28 PredHel=0 Topology=o

PCKMOKAE\_00835 len=392 ExpAA=1.99 First60=1.04 PredHel=0 Topology=o

PCKMOKAE\_00520 len=397 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_02175 len=362 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01037 len=467 ExpAA=1.72 First60=1.14 PredHel=0 Topology=o

PCKMOKAE\_01153 len=374 ExpAA=0.05 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_02068 len=462 ExpAA=0.10 First60=0.04 PredHel=0 Topology=o

PCKMOKAE\_00152 len=367 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01926 len=420 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01644 len=469 ExpAA=0.15 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_00549 len=216 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00866 len=515 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00760 len=395 ExpAA=8.63 First60=8.55 PredHel=0 Topology=o

PCKMOKAE\_00445 len=433 ExpAA=0.46 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00564 len=428 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01854 len=405 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01487 len=383 ExpAA=3.35 First60=3.30 PredHel=0 Topology=o

PCKMOKAE\_01258 len=433 ExpAA=0.54 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00021 len=370 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01877 len=758 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00258 len=432 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01350 len=706 ExpAA=0.95 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00303 len=504 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00170 len=521 ExpAA=0.27 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00270 len=333 ExpAA=0.10 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01221 len=456 ExpAA=0.26 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01150 len=466 ExpAA=1.50 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01065 len=431 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00539 len=423 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01112 len=391 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00436 len=306 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00215 len=1391 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01359 len=597 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00569 len=759 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00812 len=287 ExpAA=22.03 First60=21.99 PredHel=1 Topology=o10-32i

PCKMOKAE\_01696 len=171 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00642 len=488 ExpAA=3.60 First60=3.46 PredHel=0 Topology=o

PCKMOKAE\_00828 len=445 ExpAA=5.07 First60=4.66 PredHel=0 Topology=o

PCKMOKAE\_01275 len=514 ExpAA=1.61 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00794 len=377 ExpAA=0.15 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01206 len=363 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01503 len=861 ExpAA=0.23 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01731 len=389 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00729 len=417 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01748 len=495 ExpAA=151.85 First60=41.23 PredHel=7 Topology=i9-30o40-62i75-97o107-129i142-164o169-188i195-217o

PCKMOKAE\_01879 len=489 ExpAA=0.29 First60=0.20 PredHel=0 Topology=o

PCKMOKAE\_02183 len=205 ExpAA=1.10 First60=1.06 PredHel=0 Topology=o

PCKMOKAE\_00617 len=887 ExpAA=0.11 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01773 len=286 ExpAA=125.49 First60=22.74 PredHel=5 Topology=i19-41o67-89i106-128o138-160i249-271o

PCKMOKAE\_00222 len=701 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01397 len=404 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00252 len=514 ExpAA=7.51 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00630 len=197 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00110 len=505 ExpAA=0.22 First60=0.06 PredHel=0 Topology=o

PCKMOKAE\_00153 len=518 ExpAA=0.03 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_01405 len=741 ExpAA=0.06 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00556 len=363 ExpAA=0.92 First60=0.84 PredHel=0 Topology=o

PCKMOKAE\_01329 len=313 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

**Band\_006**

PCKMOKAE\_00753 len=407 ExpAA=3.46 First60=3.46 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01818 len=404 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01160 len=354 ExpAA=4.47 First60=0.12 PredHel=0 Topology=o

PCKMOKAE\_01633 len=436 ExpAA=0.35 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01041 len=444 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02068 len=462 ExpAA=0.10 First60=0.04 PredHel=0 Topology=o

PCKMOKAE\_01984 len=426 ExpAA=0.52 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_00258 len=432 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01128 len=458 ExpAA=0.06 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00298 len=415 ExpAA=5.65 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00519 len=417 ExpAA=0.18 First60=0.15 PredHel=0 Topology=o

PCKMOKAE\_01286 len=400 ExpAA=0.20 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01942 len=416 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00424 len=398 ExpAA=2.99 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00461 len=396 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01752 len=431 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00834 len=414 ExpAA=0.99 First60=0.08 PredHel=0 Topology=o

PCKMOKAE\_01150 len=466 ExpAA=1.50 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01037 len=467 ExpAA=1.72 First60=1.14 PredHel=0 Topology=o

PCKMOKAE\_01035 len=412 ExpAA=0.12 First60=0.12 PredHel=0 Topology=o

PCKMOKAE\_00520 len=397 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00445 len=433 ExpAA=0.46 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00152 len=367 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00044 len=435 ExpAA=1.00 First60=0.83 PredHel=0 Topology=o

PCKMOKAE\_01221 len=456 ExpAA=0.26 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00652 len=384 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00021 len=370 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01879 len=489 ExpAA=0.29 First60=0.20 PredHel=0 Topology=o

PCKMOKAE\_00549 len=216 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00835 len=392 ExpAA=1.99 First60=1.04 PredHel=0 Topology=o

PCKMOKAE\_02175 len=362 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01278 len=424 ExpAA=0.31 First60=0.28 PredHel=0 Topology=o

PCKMOKAE\_00866 len=515 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01258 len=433 ExpAA=0.54 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00360 len=328 ExpAA=0.04 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_01667 len=447 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01895 len=458 ExpAA=19.53 First60=10.91 PredHel=0 Topology=o

PCKMOKAE\_01644 len=469 ExpAA=0.15 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_00564 len=428 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01153 len=374 ExpAA=0.05 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00539 len=423 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00303 len=504 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01787 len=395 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01608 len=548 ExpAA=5.75 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00808 len=1201 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01926 len=420 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01877 len=758 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01487 len=383 ExpAA=3.35 First60=3.30 PredHel=0 Topology=o

PCKMOKAE\_01731 len=389 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01854 len=405 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01106 len=426 ExpAA=3.39 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01885 len=427 ExpAA=11.24 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00270 len=333 ExpAA=0.10 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00642 len=488 ExpAA=3.60 First60=3.46 PredHel=0 Topology=o

PCKMOKAE\_02186 len=451 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00715 len=612 ExpAA=0.18 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00436 len=306 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01361 len=376 ExpAA=0.16 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01533 len=526 ExpAA=0.07 First60=0.06 PredHel=0 Topology=o

PCKMOKAE\_01147 len=794 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01398 len=857 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01148 len=419 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00325 len=919 ExpAA=0.09 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00794 len=377 ExpAA=0.15 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00569 len=759 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01892 len=619 ExpAA=0.22 First60=0.11 PredHel=0 Topology=o

PCKMOKAE\_01500 len=468 ExpAA=0.70 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00617 len=887 ExpAA=0.11 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02206 len=453 ExpAA=0.06 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00822 len=492 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01275 len=514 ExpAA=1.61 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00914 len=406 ExpAA=0.04 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_01484 len=58 ExpAA=0.01 First60=0.01 PredHel=0 Topology=i

PCKMOKAE\_01065 len=431 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00828 len=445 ExpAA=5.07 First60=4.66 PredHel=0 Topology=o

PCKMOKAE\_01206 len=363 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01483 len=477 ExpAA=1.18 First60=1.16 PredHel=0 Topology=o

PCKMOKAE\_02067 len=659 ExpAA=2.88 First60=0.38 PredHel=0 Topology=o

PCKMOKAE\_00855 len=408 ExpAA=0.10 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00918 len=544 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00759 len=425 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00170 len=521 ExpAA=0.27 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00760 len=395 ExpAA=8.63 First60=8.55 PredHel=0 Topology=o

PCKMOKAE\_02041 len=1318 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01055 len=492 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00714 len=684 ExpAA=0.24 First60=0.11 PredHel=0 Topology=o

PCKMOKAE\_01809 len=414 ExpAA=0.23 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00667 len=592 ExpAA=0.15 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01112 len=391 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01308 len=637 ExpAA=0.07 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_00831 len=469 ExpAA=13.58 First60=13.33 PredHel=0 Topology=o

PCKMOKAE\_00353 len=348 ExpAA=14.59 First60=14.59 PredHel=1 Topology=i5-27o

PCKMOKAE\_00260 len=459 ExpAA=260.78 First60=23.98 PredHel=12 Topology=i20-42o57-79i100-119o134-156i168-190o200-222i254-276o291-310i322-344o359-376i397-419o423-445i

PCKMOKAE\_01613 len=611 ExpAA=1.79 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01471 len=178 ExpAA=8.59 First60=8.55 PredHel=0 Topology=o

PCKMOKAE\_01485 len=544 ExpAA=14.08 First60=13.98 PredHel=1 Topology=i5-27o

PCKMOKAE\_00729 len=417 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01297 len=294 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01643 len=122 ExpAA=15.90 First60=15.72 PredHel=1 Topology=i5-27o

PCKMOKAE\_00611 len=598 ExpAA=1.26 First60=1.26 PredHel=0 Topology=o

PCKMOKAE\_01968 len=943 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01355 len=310 ExpAA=1.41 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00514 len=482 ExpAA=0.13 First60=0.09 PredHel=0 Topology=o

PCKMOKAE\_00340 len=411 ExpAA=1.60 First60=1.32 PredHel=0 Topology=o

PCKMOKAE\_00213 len=1392 ExpAA=0.22 First60=0.16 PredHel=0 Topology=o

PCKMOKAE\_01063 len=358 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01227 len=232 ExpAA=0.06 First60=0.06 PredHel=0 Topology=o

PCKMOKAE\_00342 len=792 ExpAA=3.84 First60=3.78 PredHel=0 Topology=o

PCKMOKAE\_01652 len=449 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01350 len=706 ExpAA=0.95 First60=0.02 PredHel=0 Topology=o

**Band\_007**

PCKMOKAE\_00600 len=122 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00753 len=407 ExpAA=3.46 First60=3.46 PredHel=0 Topology=o

PCKMOKAE\_01810 len=123 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00919 len=96 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01023 len=142 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01433 len=102 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00362 len=120 ExpAA=2.21 First60=2.21 PredHel=0 Topology=o

PCKMOKAE\_01160 len=354 ExpAA=4.47 First60=0.12 PredHel=0 Topology=o

PCKMOKAE\_00353 len=348 ExpAA=14.59 First60=14.59 PredHel=1 Topology=i5-27o

PCKMOKAE\_00370 len=101 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00355 len=87 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00598 len=150 ExpAA=0.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01041 len=444 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00321 len=125 ExpAA=8.13 First60=8.13 PredHel=0 Topology=o

PCKMOKAE\_01178 len=121 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01382 len=126 ExpAA=3.77 First60=3.76 PredHel=0 Topology=o

PCKMOKAE\_01342 len=97 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00378 len=109 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01311 len=119 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00438 len=139 ExpAA=0.72 First60=0.71 PredHel=0 Topology=o

PCKMOKAE\_00359 len=122 ExpAA=0.03 First60=0.03 PredHel=0 Topology=i

PCKMOKAE\_00372 len=107 ExpAA=0.01 First60=0.01 PredHel=0 Topology=i

PCKMOKAE\_00382 len=206 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00781 len=254 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00879 len=70 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00866 len=515 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00373 len=122 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

**Band\_008**

PCKMOKAE\_00362 len=120 ExpAA=2.21 First60=2.21 PredHel=0 Topology=o

PCKMOKAE\_00600 len=122 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00353 len=348 ExpAA=14.59 First60=14.59 PredHel=1 Topology=i5-27o

PCKMOKAE\_01023 len=142 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01810 len=123 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01178 len=121 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01769 len=190 ExpAA=0.06 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00370 len=101 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01433 len=102 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01160 len=354 ExpAA=4.47 First60=0.12 PredHel=0 Topology=o

PCKMOKAE\_01382 len=126 ExpAA=3.77 First60=3.76 PredHel=0 Topology=o

PCKMOKAE\_00355 len=87 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01154 len=89 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00753 len=407 ExpAA=3.46 First60=3.46 PredHel=0 Topology=o

PCKMOKAE\_01342 len=97 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00919 len=96 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01311 len=119 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00384 len=103 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00081 len=103 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00471 len=261 ExpAA=0.08 First60=0.07 PredHel=0 Topology=o

PCKMOKAE\_00378 len=109 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00848 len=122 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00321 len=125 ExpAA=8.13 First60=8.13 PredHel=0 Topology=o

PCKMOKAE\_00373 len=122 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00438 len=139 ExpAA=0.72 First60=0.71 PredHel=0 Topology=o

PCKMOKAE\_01363 len=116 ExpAA=0.87 First60=0.82 PredHel=0 Topology=o

PCKMOKAE\_00689 len=130 ExpAA=0.02 First60=0.02 PredHel=0 Topology=i

PCKMOKAE\_00875 len=288 ExpAA=0.08 First60=0.08 PredHel=0 Topology=o

PCKMOKAE\_00359 len=122 ExpAA=0.03 First60=0.03 PredHel=0 Topology=i

PCKMOKAE\_00381 len=104 ExpAA=0.18 First60=0.16 PredHel=0 Topology=i

PCKMOKAE\_00379 len=92 ExpAA=0.10 First60=0.09 PredHel=0 Topology=i

PCKMOKAE\_00672 len=205 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01437 len=77 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00879 len=70 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00253 len=334 ExpAA=0.03 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_01041 len=444 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00882 len=201 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00382 len=206 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01284 len=259 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

**Band\_009**

PCKMOKAE\_01178 len=121 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01023 len=142 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01810 len=123 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00600 len=122 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00919 len=96 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00362 len=120 ExpAA=2.21 First60=2.21 PredHel=0 Topology=o

PCKMOKAE\_01342 len=97 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00081 len=103 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00355 len=87 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01266 len=141 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01154 len=89 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00359 len=122 ExpAA=0.03 First60=0.03 PredHel=0 Topology=i

PCKMOKAE\_00370 len=101 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00689 len=130 ExpAA=0.02 First60=0.02 PredHel=0 Topology=i

PCKMOKAE\_00438 len=139 ExpAA=0.72 First60=0.71 PredHel=0 Topology=o

PCKMOKAE\_00753 len=407 ExpAA=3.46 First60=3.46 PredHel=0 Topology=o

PCKMOKAE\_01311 len=119 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01382 len=126 ExpAA=3.77 First60=3.76 PredHel=0 Topology=o

PCKMOKAE\_00384 len=103 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_02172 len=125 ExpAA=0.20 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01433 len=102 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00672 len=205 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00321 len=125 ExpAA=8.13 First60=8.13 PredHel=0 Topology=o

PCKMOKAE\_01359 len=597 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01466 len=134 ExpAA=0.22 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01650 len=241 ExpAA=0.03 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_01966 len=143 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00171 len=248 ExpAA=2.56 First60=0.61 PredHel=0 Topology=o

PCKMOKAE\_00732 len=672 ExpAA=372.46 First60=37.66 PredHel=17 Topology=o15-37i42-59o79-101i108-130o167-186i199-221o225-247i268-290o320-339i346-368o388-410i417-436o456-478i519-541o561-583i604-626o646-668i

PCKMOKAE\_00113 len=506 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

**Band\_010**

PCKMOKAE\_00171 len=248 ExpAA=2.56 First60=0.61 PredHel=0 Topology=o

PCKMOKAE\_01769 len=190 ExpAA=0.06 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01511 len=221 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01614 len=212 ExpAA=0.07 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01336 len=245 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00382 len=206 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01095 len=203 ExpAA=9.02 First60=9.01 PredHel=0 Topology=o

PCKMOKAE\_01459 len=227 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01994 len=213 ExpAA=4.40 First60=0.24 PredHel=0 Topology=o

PCKMOKAE\_01729 len=188 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00934 len=201 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00882 len=201 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00754 len=167 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00078 len=204 ExpAA=0.19 First60=0.19 PredHel=0 Topology=o

PCKMOKAE\_00361 len=206 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01219 len=204 ExpAA=16.07 First60=15.86 PredHel=1 Topology=i21-43o

PCKMOKAE\_01736 len=207 ExpAA=0.04 First60=0.04 PredHel=0 Topology=o

PCKMOKAE\_00337 len=185 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01368 len=208 ExpAA=0.17 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00353 len=348 ExpAA=14.59 First60=14.59 PredHel=1 Topology=i5-27o

PCKMOKAE\_01169 len=225 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02143 len=178 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00208 len=178 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00797 len=187 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01655 len=253 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00857 len=228 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01179 len=251 ExpAA=0.15 First60=0.06 PredHel=0 Topology=o

PCKMOKAE\_00471 len=261 ExpAA=0.08 First60=0.07 PredHel=0 Topology=o

PCKMOKAE\_00865 len=291 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00115 len=219 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00267 len=221 ExpAA=0.40 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01674 len=210 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02019 len=231 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01411 len=252 ExpAA=5.54 First60=5.54 PredHel=0 Topology=o

PCKMOKAE\_00262 len=214 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00693 len=193 ExpAA=22.82 First60=22.81 PredHel=1 Topology=i13-35o

PCKMOKAE\_00429 len=229 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00331 len=207 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01741 len=215 ExpAA=22.17 First60=22.17 PredHel=1 Topology=o20-42i

PCKMOKAE\_02009 len=227 ExpAA=0.10 First60=0.04 PredHel=0 Topology=o

PCKMOKAE\_00925 len=208 ExpAA=0.28 First60=0.10 PredHel=0 Topology=o

PCKMOKAE\_00855 len=408 ExpAA=0.10 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02183 len=205 ExpAA=1.10 First60=1.06 PredHel=0 Topology=o

PCKMOKAE\_00578 len=218 ExpAA=0.11 First60=0.11 PredHel=0 Topology=o

PCKMOKAE\_02184 len=188 ExpAA=3.53 First60=0.05 PredHel=0 Topology=o

PCKMOKAE\_01126 len=199 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00408 len=183 ExpAA=0.16 First60=0.16 PredHel=0 Topology=o

PCKMOKAE\_01241 len=194 ExpAA=0.11 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01124 len=177 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00672 len=205 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00330 len=257 ExpAA=1.83 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00699 len=187 ExpAA=13.68 First60=9.21 PredHel=0 Topology=o

PCKMOKAE\_01027 len=203 ExpAA=22.53 First60=22.53 PredHel=1 Topology=i13-35o

PCKMOKAE\_00856 len=347 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00250 len=211 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00638 len=242 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01758 len=212 ExpAA=7.43 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00280 len=169 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00630 len=197 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01227 len=232 ExpAA=0.06 First60=0.06 PredHel=0 Topology=o

PCKMOKAE\_00272 len=206 ExpAA=0.16 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00159 len=196 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02003 len=218 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01097 len=261 ExpAA=0.29 First60=0.15 PredHel=0 Topology=o

PCKMOKAE\_00908 len=231 ExpAA=1.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00590 len=204 ExpAA=0.53 First60=0.14 PredHel=0 Topology=o

PCKMOKAE\_01281 len=245 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00989 len=213 ExpAA=0.08 First60=0.05 PredHel=0 Topology=o

PCKMOKAE\_02061 len=255 ExpAA=0.43 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00480 len=642 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01398 len=857 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01991 len=225 ExpAA=6.42 First60=0.05 PredHel=0 Topology=o

PCKMOKAE\_00377 len=230 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01710 len=219 ExpAA=0.14 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01109 len=190 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01166 len=227 ExpAA=1.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01497 len=240 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00573 len=221 ExpAA=0.30 First60=0.15 PredHel=0 Topology=o

PCKMOKAE\_00368 len=177 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02192 len=209 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01203 len=231 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00684 len=900 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01963 len=185 ExpAA=0.07 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01611 len=231 ExpAA=0.02 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01360 len=233 ExpAA=0.65 First60=0.46 PredHel=0 Topology=o

PCKMOKAE\_01646 len=258 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01224 len=332 ExpAA=0.09 First60=0.09 PredHel=0 Topology=o

PCKMOKAE\_00487 len=192 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00635 len=239 ExpAA=1.11 First60=0.49 PredHel=0 Topology=o

PCKMOKAE\_01806 len=184 ExpAA=9.71 First60=0.08 PredHel=0 Topology=o

PCKMOKAE\_01178 len=121 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02006 len=234 ExpAA=0.05 First60=0.04 PredHel=0 Topology=o

PCKMOKAE\_01748 len=495 ExpAA=151.85 First60=41.23 PredHel=7 Topology=i9-30o40-62i75-97o107-129i142-164o169-188i195-217o

PCKMOKAE\_00360 len=328 ExpAA=0.04 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_01965 len=426 ExpAA=1.89 First60=1.53 PredHel=0 Topology=o

PCKMOKAE\_02133 len=106 ExpAA=0.70 First60=0.46 PredHel=0 Topology=o

PCKMOKAE\_01740 len=199 ExpAA=20.57 First60=20.57 PredHel=1 Topology=i27-46o

PCKMOKAE\_00319 len=241 ExpAA=0.06 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01422 len=261 ExpAA=0.77 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00618 len=520 ExpAA=0.40 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01034 len=210 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01136 len=255 ExpAA=0.09 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00905 len=809 ExpAA=0.04 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_00608 len=252 ExpAA=2.01 First60=2.00 PredHel=0 Topology=o

PCKMOKAE\_00325 len=919 ExpAA=0.09 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00219 len=309 ExpAA=0.96 First60=0.00 PredHel=0 Topology=o

**Band\_011**

PCKMOKAE\_01178 len=121 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01342 len=97 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01023 len=142 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02172 len=125 ExpAA=0.20 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01266 len=141 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00362 len=120 ExpAA=2.21 First60=2.21 PredHel=0 Topology=o

PCKMOKAE\_00919 len=96 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00359 len=122 ExpAA=0.03 First60=0.03 PredHel=0 Topology=i

PCKMOKAE\_00353 len=348 ExpAA=14.59 First60=14.59 PredHel=1 Topology=i5-27o

PCKMOKAE\_01810 len=123 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00586 len=141 ExpAA=0.27 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_00171 len=248 ExpAA=2.56 First60=0.61 PredHel=0 Topology=o

PCKMOKAE\_00598 len=150 ExpAA=0.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00373 len=122 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00382 len=206 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00376 len=149 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01311 len=119 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01708 len=140 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00689 len=130 ExpAA=0.02 First60=0.02 PredHel=0 Topology=i

PCKMOKAE\_01769 len=190 ExpAA=0.06 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01409 len=148 ExpAA=0.28 First60=0.28 PredHel=0 Topology=o

PCKMOKAE\_00600 len=122 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01326 len=149 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02099 len=160 ExpAA=0.10 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01966 len=143 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01344 len=144 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01095 len=203 ExpAA=9.02 First60=9.01 PredHel=0 Topology=o

PCKMOKAE\_00370 len=101 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01433 len=102 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01511 len=221 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00220 len=123 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01382 len=126 ExpAA=3.77 First60=3.76 PredHel=0 Topology=o

PCKMOKAE\_01495 len=153 ExpAA=0.49 First60=0.18 PredHel=0 Topology=o

PCKMOKAE\_00274 len=145 ExpAA=1.36 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00863 len=140 ExpAA=0.05 First60=0.05 PredHel=0 Topology=o

PCKMOKAE\_00211 len=166 ExpAA=0.08 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_00378 len=109 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00041 len=820 ExpAA=0.58 First60=0.57 PredHel=0 Topology=o

PCKMOKAE\_01405 len=741 ExpAA=0.06 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00345 len=149 ExpAA=1.29 First60=0.15 PredHel=0 Topology=o

PCKMOKAE\_00384 len=103 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01154 len=89 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01343 len=312 ExpAA=1.36 First60=1.30 PredHel=0 Topology=o

PCKMOKAE\_01729 len=188 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01808 len=397 ExpAA=0.04 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01835 len=268 ExpAA=0.43 First60=0.43 PredHel=0 Topology=o

PCKMOKAE\_00889 len=127 ExpAA=0.08 First60=0.08 PredHel=0 Topology=o

PCKMOKAE\_01994 len=213 ExpAA=4.40 First60=0.24 PredHel=0 Topology=o

PCKMOKAE\_00766 len=189 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00078 len=204 ExpAA=0.19 First60=0.19 PredHel=0 Topology=o

**Band\_012**

PCKMOKAE\_01355 len=310 ExpAA=1.41 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00353 len=348 ExpAA=14.59 First60=14.59 PredHel=1 Topology=i5-27o

PCKMOKAE\_01515 len=303 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00296 len=347 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01181 len=304 ExpAA=13.16 First60=13.15 PredHel=0 Topology=o

PCKMOKAE\_01130 len=331 ExpAA=9.70 First60=9.67 PredHel=0 Topology=o

PCKMOKAE\_01768 len=327 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01901 len=319 ExpAA=0.24 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01224 len=332 ExpAA=0.09 First60=0.09 PredHel=0 Topology=o

PCKMOKAE\_01490 len=318 ExpAA=0.15 First60=0.15 PredHel=0 Topology=o

PCKMOKAE\_01297 len=294 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00819 len=318 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01377 len=354 ExpAA=0.38 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00251 len=283 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01127 len=289 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00006 len=236 ExpAA=7.17 First60=7.17 PredHel=0 Topology=o

PCKMOKAE\_01762 len=278 ExpAA=0.04 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00354 len=306 ExpAA=1.15 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01812 len=306 ExpAA=0.09 First60=0.08 PredHel=0 Topology=o

PCKMOKAE\_01512 len=295 ExpAA=0.16 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00636 len=284 ExpAA=0.05 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00725 len=333 ExpAA=0.63 First60=0.53 PredHel=0 Topology=o

PCKMOKAE\_00392 len=359 ExpAA=17.21 First60=0.81 PredHel=1 Topology=i99-118o

PCKMOKAE\_01519 len=366 ExpAA=24.83 First60=23.02 PredHel=1 Topology=i21-43o

PCKMOKAE\_00166 len=320 ExpAA=1.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01610 len=328 ExpAA=35.09 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01860 len=291 ExpAA=0.32 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01480 len=296 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01949 len=312 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00224 len=312 ExpAA=6.46 First60=6.46 PredHel=0 Topology=o

PCKMOKAE\_01442 len=316 ExpAA=4.37 First60=4.33 PredHel=0 Topology=o

PCKMOKAE\_00171 len=248 ExpAA=2.56 First60=0.61 PredHel=0 Topology=o

PCKMOKAE\_01865 len=313 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00335 len=278 ExpAA=0.07 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00536 len=311 ExpAA=0.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00117 len=315 ExpAA=14.40 First60=14.24 PredHel=0 Topology=o

PCKMOKAE\_00662 len=284 ExpAA=0.14 First60=0.07 PredHel=0 Topology=o

PCKMOKAE\_01801 len=263 ExpAA=2.69 First60=2.41 PredHel=0 Topology=o

PCKMOKAE\_00601 len=316 ExpAA=7.21 First60=7.20 PredHel=0 Topology=o

PCKMOKAE\_01663 len=271 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00865 len=291 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01246 len=298 ExpAA=0.47 First60=0.11 PredHel=0 Topology=o

PCKMOKAE\_00650 len=287 ExpAA=23.68 First60=6.52 PredHel=1 Topology=i113-135o

PCKMOKAE\_01342 len=97 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00753 len=407 ExpAA=3.46 First60=3.46 PredHel=0 Topology=o

PCKMOKAE\_01178 len=121 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01743 len=731 ExpAA=1.51 First60=1.50 PredHel=0 Topology=o

PCKMOKAE\_00755 len=308 ExpAA=1.08 First60=1.07 PredHel=0 Topology=o

PCKMOKAE\_00469 len=392 ExpAA=14.01 First60=14.01 PredHel=1 Topology=i7-25o

PCKMOKAE\_01266 len=141 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01804 len=315 ExpAA=0.80 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00951 len=307 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00575 len=230 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00922 len=321 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01769 len=190 ExpAA=0.06 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01096 len=290 ExpAA=0.97 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01101 len=253 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00635 len=239 ExpAA=1.11 First60=0.49 PredHel=0 Topology=o

PCKMOKAE\_01565 len=380 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00350 len=945 ExpAA=0.19 First60=0.00 PredHel=0 Topology=o

**Band\_013**

PCKMOKAE\_00353 len=348 ExpAA=14.59 First60=14.59 PredHel=1 Topology=i5-27o

PCKMOKAE\_01130 len=331 ExpAA=9.70 First60=9.67 PredHel=0 Topology=o

PCKMOKAE\_01355 len=310 ExpAA=1.41 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00296 len=347 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01224 len=332 ExpAA=0.09 First60=0.09 PredHel=0 Topology=o

PCKMOKAE\_00725 len=333 ExpAA=0.63 First60=0.53 PredHel=0 Topology=o

PCKMOKAE\_00373 len=122 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01515 len=303 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00251 len=283 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00636 len=284 ExpAA=0.05 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01490 len=318 ExpAA=0.15 First60=0.15 PredHel=0 Topology=o

PCKMOKAE\_00378 len=109 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01512 len=295 ExpAA=0.16 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01297 len=294 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00919 len=96 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01442 len=316 ExpAA=4.37 First60=4.33 PredHel=0 Topology=o

PCKMOKAE\_01178 len=121 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01610 len=328 ExpAA=35.09 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01181 len=304 ExpAA=13.16 First60=13.15 PredHel=0 Topology=o

PCKMOKAE\_01768 len=327 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00392 len=359 ExpAA=17.21 First60=0.81 PredHel=1 Topology=i99-118o

PCKMOKAE\_01901 len=319 ExpAA=0.24 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01342 len=97 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00819 len=318 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00372 len=107 ExpAA=0.01 First60=0.01 PredHel=0 Topology=i

PCKMOKAE\_00600 len=122 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00384 len=103 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_02172 len=125 ExpAA=0.20 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00166 len=320 ExpAA=1.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00381 len=104 ExpAA=0.18 First60=0.16 PredHel=0 Topology=i

PCKMOKAE\_00369 len=130 ExpAA=0.22 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01480 len=296 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01023 len=142 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00362 len=120 ExpAA=2.21 First60=2.21 PredHel=0 Topology=o

PCKMOKAE\_01743 len=731 ExpAA=1.51 First60=1.50 PredHel=0 Topology=o

PCKMOKAE\_01812 len=306 ExpAA=0.09 First60=0.08 PredHel=0 Topology=o

PCKMOKAE\_01329 len=313 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01519 len=366 ExpAA=24.83 First60=23.02 PredHel=1 Topology=i21-43o

PCKMOKAE\_00006 len=236 ExpAA=7.17 First60=7.17 PredHel=0 Topology=o

PCKMOKAE\_01311 len=119 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00354 len=306 ExpAA=1.15 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01762 len=278 ExpAA=0.04 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01810 len=123 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01998 len=318 ExpAA=0.15 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01377 len=354 ExpAA=0.38 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00736 len=338 ExpAA=0.16 First60=0.15 PredHel=0 Topology=o

PCKMOKAE\_01769 len=190 ExpAA=0.06 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01266 len=141 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01127 len=289 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00359 len=122 ExpAA=0.03 First60=0.03 PredHel=0 Topology=i

PCKMOKAE\_01949 len=312 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00288 len=159 ExpAA=0.21 First60=0.20 PredHel=0 Topology=o

PCKMOKAE\_00755 len=308 ExpAA=1.08 First60=1.07 PredHel=0 Topology=o

PCKMOKAE\_00750 len=306 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00221 len=156 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00171 len=248 ExpAA=2.56 First60=0.61 PredHel=0 Topology=o

PCKMOKAE\_00689 len=130 ExpAA=0.02 First60=0.02 PredHel=0 Topology=i

PCKMOKAE\_00536 len=311 ExpAA=0.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00382 len=206 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00355 len=87 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00209 len=144 ExpAA=0.60 First60=0.50 PredHel=0 Topology=o

PCKMOKAE\_01695 len=311 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00370 len=101 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00753 len=407 ExpAA=3.46 First60=3.46 PredHel=0 Topology=o

PCKMOKAE\_00889 len=127 ExpAA=0.08 First60=0.08 PredHel=0 Topology=o

PCKMOKAE\_01433 len=102 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01207 len=624 ExpAA=207.04 First60=22.59 PredHel=10 Topology=o33-55i76-95o100-122i135-157o167-186i225-244o249-271i278-300o315-337i350-372o

PCKMOKAE\_01270 len=311 ExpAA=0.05 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_01663 len=271 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01865 len=313 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01566 len=922 ExpAA=1.74 First60=1.74 PredHel=0 Topology=o

PCKMOKAE\_01801 len=263 ExpAA=2.69 First60=2.41 PredHel=0 Topology=o

PCKMOKAE\_00638 len=242 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00335 len=278 ExpAA=0.07 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00523 len=216 ExpAA=0.02 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_02014 len=124 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00856 len=347 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01101 len=253 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00601 len=316 ExpAA=7.21 First60=7.20 PredHel=0 Topology=o

PCKMOKAE\_01264 len=98 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00866 len=515 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02179 len=120 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01349 len=287 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01696 len=171 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01463 len=1675 ExpAA=37.13 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01725 len=497 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00983 len=288 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00033 len=185 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01569 len=369 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00321 len=125 ExpAA=8.13 First60=8.13 PredHel=0 Topology=o

**Band\_014**

PCKMOKAE\_00353 len=348 ExpAA=14.59 First60=14.59 PredHel=1 Topology=i5-27o

PCKMOKAE\_01130 len=331 ExpAA=9.70 First60=9.67 PredHel=0 Topology=o

PCKMOKAE\_01355 len=310 ExpAA=1.41 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01224 len=332 ExpAA=0.09 First60=0.09 PredHel=0 Topology=o

PCKMOKAE\_00296 len=347 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00373 len=122 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00725 len=333 ExpAA=0.63 First60=0.53 PredHel=0 Topology=o

PCKMOKAE\_01297 len=294 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00251 len=283 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01490 len=318 ExpAA=0.15 First60=0.15 PredHel=0 Topology=o

PCKMOKAE\_01768 len=327 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01178 len=121 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01901 len=319 ExpAA=0.24 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01610 len=328 ExpAA=35.09 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01515 len=303 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01181 len=304 ExpAA=13.16 First60=13.15 PredHel=0 Topology=o

PCKMOKAE\_01442 len=316 ExpAA=4.37 First60=4.33 PredHel=0 Topology=o

PCKMOKAE\_01512 len=295 ExpAA=0.16 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00166 len=320 ExpAA=1.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01342 len=97 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00636 len=284 ExpAA=0.05 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00372 len=107 ExpAA=0.01 First60=0.01 PredHel=0 Topology=i

PCKMOKAE\_00378 len=109 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00362 len=120 ExpAA=2.21 First60=2.21 PredHel=0 Topology=o

PCKMOKAE\_00392 len=359 ExpAA=17.21 First60=0.81 PredHel=1 Topology=i99-118o

PCKMOKAE\_00171 len=248 ExpAA=2.56 First60=0.61 PredHel=0 Topology=o

PCKMOKAE\_00288 len=159 ExpAA=0.21 First60=0.20 PredHel=0 Topology=o

PCKMOKAE\_00384 len=103 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01480 len=296 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01329 len=313 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00819 len=318 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00381 len=104 ExpAA=0.18 First60=0.16 PredHel=0 Topology=i

PCKMOKAE\_01812 len=306 ExpAA=0.09 First60=0.08 PredHel=0 Topology=o

PCKMOKAE\_01023 len=142 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01566 len=922 ExpAA=1.74 First60=1.74 PredHel=0 Topology=o

PCKMOKAE\_01266 len=141 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00919 len=96 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01810 len=123 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01763 len=612 ExpAA=6.02 First60=6.01 PredHel=0 Topology=o

PCKMOKAE\_01762 len=278 ExpAA=0.04 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01127 len=289 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00369 len=130 ExpAA=0.22 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01311 len=119 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00354 len=306 ExpAA=1.15 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00600 len=122 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01663 len=271 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01377 len=354 ExpAA=0.38 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01519 len=366 ExpAA=24.83 First60=23.02 PredHel=1 Topology=i21-43o

PCKMOKAE\_00755 len=308 ExpAA=1.08 First60=1.07 PredHel=0 Topology=o

PCKMOKAE\_01804 len=315 ExpAA=0.80 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00689 len=130 ExpAA=0.02 First60=0.02 PredHel=0 Topology=i

PCKMOKAE\_01949 len=312 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00117 len=315 ExpAA=14.40 First60=14.24 PredHel=0 Topology=o

PCKMOKAE\_00006 len=236 ExpAA=7.17 First60=7.17 PredHel=0 Topology=o

PCKMOKAE\_00736 len=338 ExpAA=0.16 First60=0.15 PredHel=0 Topology=o

PCKMOKAE\_02172 len=125 ExpAA=0.20 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00221 len=156 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00601 len=316 ExpAA=7.21 First60=7.20 PredHel=0 Topology=o

PCKMOKAE\_01695 len=311 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01270 len=311 ExpAA=0.05 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_00750 len=306 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01743 len=731 ExpAA=1.51 First60=1.50 PredHel=0 Topology=o

PCKMOKAE\_00370 len=101 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00359 len=122 ExpAA=0.03 First60=0.03 PredHel=0 Topology=i

PCKMOKAE\_00224 len=312 ExpAA=6.46 First60=6.46 PredHel=0 Topology=o

PCKMOKAE\_01096 len=290 ExpAA=0.97 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00889 len=127 ExpAA=0.08 First60=0.08 PredHel=0 Topology=o

PCKMOKAE\_00983 len=288 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01382 len=126 ExpAA=3.77 First60=3.76 PredHel=0 Topology=o

PCKMOKAE\_01246 len=298 ExpAA=0.47 First60=0.11 PredHel=0 Topology=o

PCKMOKAE\_01433 len=102 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00022 len=312 ExpAA=0.40 First60=0.39 PredHel=0 Topology=o

PCKMOKAE\_00536 len=311 ExpAA=0.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00918 len=544 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01865 len=313 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00922 len=321 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01860 len=291 ExpAA=0.32 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00382 len=206 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00335 len=278 ExpAA=0.07 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00653 len=315 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01998 len=318 ExpAA=0.15 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00355 len=87 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00005 len=316 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00753 len=407 ExpAA=3.46 First60=3.46 PredHel=0 Topology=o

PCKMOKAE\_02019 len=231 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00874 len=189 ExpAA=0.18 First60=0.07 PredHel=0 Topology=o

PCKMOKAE\_00643 len=123 ExpAA=0.90 First60=0.90 PredHel=0 Topology=o

PCKMOKAE\_00638 len=242 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01272 len=943 ExpAA=15.77 First60=15.77 PredHel=1 Topology=i7-29o

PCKMOKAE\_01044 len=510 ExpAA=244.81 First60=0.06 PredHel=11 Topology=i76-93o108-130i151-173o207-226i233-255o281-303i316-338o362-384i405-427o442-464i485-507o

PCKMOKAE\_00209 len=144 ExpAA=0.60 First60=0.50 PredHel=0 Topology=o

**Band\_015**

PCKMOKAE\_00353 len=348 ExpAA=14.59 First60=14.59 PredHel=1 Topology=i5-27o

PCKMOKAE\_00378 len=109 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00373 len=122 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00919 len=96 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01178 len=121 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01130 len=331 ExpAA=9.70 First60=9.67 PredHel=0 Topology=o

PCKMOKAE\_00369 len=130 ExpAA=0.22 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01342 len=97 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01023 len=142 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02172 len=125 ExpAA=0.20 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01810 len=123 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00209 len=144 ExpAA=0.60 First60=0.50 PredHel=0 Topology=o

PCKMOKAE\_00372 len=107 ExpAA=0.01 First60=0.01 PredHel=0 Topology=i

PCKMOKAE\_00384 len=103 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01266 len=141 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_01433 len=102 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00381 len=104 ExpAA=0.18 First60=0.16 PredHel=0 Topology=i

PCKMOKAE\_00600 len=122 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00210 len=231 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00362 len=120 ExpAA=2.21 First60=2.21 PredHel=0 Topology=o

PCKMOKAE\_00889 len=127 ExpAA=0.08 First60=0.08 PredHel=0 Topology=o

PCKMOKAE\_02008 len=144 ExpAA=0.53 First60=0.53 PredHel=0 Topology=o

PCKMOKAE\_00689 len=130 ExpAA=0.02 First60=0.02 PredHel=0 Topology=i

PCKMOKAE\_00355 len=87 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00382 len=206 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02052 len=126 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01311 len=119 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00383 len=214 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00288 len=159 ExpAA=0.21 First60=0.20 PredHel=0 Topology=o

PCKMOKAE\_01817 len=148 ExpAA=0.09 First60=0.07 PredHel=0 Topology=o

PCKMOKAE\_00370 len=101 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00367 len=172 ExpAA=0.07 First60=0.07 PredHel=0 Topology=o

PCKMOKAE\_00221 len=156 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00171 len=248 ExpAA=2.56 First60=0.61 PredHel=0 Topology=o

PCKMOKAE\_00359 len=122 ExpAA=0.03 First60=0.03 PredHel=0 Topology=i

PCKMOKAE\_00438 len=139 ExpAA=0.72 First60=0.71 PredHel=0 Topology=o

PCKMOKAE\_00371 len=179 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02014 len=124 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00643 len=123 ExpAA=0.90 First60=0.90 PredHel=0 Topology=o

PCKMOKAE\_00586 len=141 ExpAA=0.27 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_00751 len=152 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00725 len=333 ExpAA=0.63 First60=0.53 PredHel=0 Topology=o

PCKMOKAE\_00523 len=216 ExpAA=0.02 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00407 len=140 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01382 len=126 ExpAA=3.77 First60=3.76 PredHel=0 Topology=o

PCKMOKAE\_01966 len=143 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01743 len=731 ExpAA=1.51 First60=1.50 PredHel=0 Topology=o

PCKMOKAE\_02089 len=256 ExpAA=17.17 First60=17.15 PredHel=1 Topology=i12-34o

PCKMOKAE\_00638 len=242 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01891 len=457 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01825 len=916 ExpAA=0.27 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01740 len=199 ExpAA=20.57 First60=20.57 PredHel=1 Topology=i27-46o

**Band\_016**

PCKMOKAE\_01743 len=731 ExpAA=1.51 First60=1.50 PredHel=0 Topology=o

PCKMOKAE\_00342 len=792 ExpAA=3.84 First60=3.78 PredHel=0 Topology=o

PCKMOKAE\_00574 len=658 ExpAA=0.99 First60=0.89 PredHel=0 Topology=o

PCKMOKAE\_01350 len=706 ExpAA=0.95 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00480 len=642 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00328 len=631 ExpAA=1.66 First60=1.31 PredHel=0 Topology=o

PCKMOKAE\_00861 len=687 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00325 len=919 ExpAA=0.09 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00246 len=763 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00151 len=685 ExpAA=0.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00273 len=655 ExpAA=44.09 First60=18.87 PredHel=2 Topology=o7-25i104-126o

PCKMOKAE\_01561 len=602 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02067 len=659 ExpAA=2.88 First60=0.38 PredHel=0 Topology=o

PCKMOKAE\_00619 len=594 ExpAA=0.22 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00579 len=561 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00618 len=520 ExpAA=0.40 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00307 len=678 ExpAA=0.10 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00130 len=603 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01613 len=611 ExpAA=1.79 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00617 len=887 ExpAA=0.11 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00616 len=570 ExpAA=0.15 First60=0.14 PredHel=0 Topology=o

PCKMOKAE\_00215 len=1391 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01745 len=735 ExpAA=0.17 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_01586 len=635 ExpAA=4.91 First60=4.78 PredHel=0 Topology=o

PCKMOKAE\_00041 len=820 ExpAA=0.58 First60=0.57 PredHel=0 Topology=o

PCKMOKAE\_01877 len=758 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00782 len=671 ExpAA=5.32 First60=5.23 PredHel=0 Topology=o

PCKMOKAE\_00611 len=598 ExpAA=1.26 First60=1.26 PredHel=0 Topology=o

PCKMOKAE\_00569 len=759 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01308 len=637 ExpAA=0.07 First60=0.03 PredHel=0 Topology=o

PCKMOKAE\_00353 len=348 ExpAA=14.59 First60=14.59 PredHel=1 Topology=i5-27o

PCKMOKAE\_00715 len=612 ExpAA=0.18 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01130 len=331 ExpAA=9.70 First60=9.67 PredHel=0 Topology=o

PCKMOKAE\_01722 len=680 ExpAA=0.16 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00714 len=684 ExpAA=0.24 First60=0.11 PredHel=0 Topology=o

PCKMOKAE\_00222 len=701 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00380 len=277 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00472 len=729 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02181 len=718 ExpAA=0.75 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01968 len=943 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00046 len=640 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01566 len=922 ExpAA=1.74 First60=1.74 PredHel=0 Topology=o

PCKMOKAE\_01121 len=628 ExpAA=8.96 First60=8.96 PredHel=0 Topology=o

PCKMOKAE\_01908 len=620 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01225 len=801 ExpAA=0.18 First60=0.13 PredHel=0 Topology=o

PCKMOKAE\_01886 len=942 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01405 len=741 ExpAA=0.06 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00808 len=1201 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01567 len=704 ExpAA=5.45 First60=5.45 PredHel=0 Topology=o

PCKMOKAE\_01946 len=636 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01359 len=597 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01485 len=544 ExpAA=14.08 First60=13.98 PredHel=1 Topology=i5-27o

PCKMOKAE\_00684 len=900 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01559 len=630 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01892 len=619 ExpAA=0.22 First60=0.11 PredHel=0 Topology=o

PCKMOKAE\_01882 len=587 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01017 len=737 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00793 len=137 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00992 len=758 ExpAA=0.05 First60=0.05 PredHel=0 Topology=o

PCKMOKAE\_01398 len=857 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00213 len=1392 ExpAA=0.22 First60=0.16 PredHel=0 Topology=o

PCKMOKAE\_00371 len=179 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00667 len=592 ExpAA=0.15 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00378 len=109 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00171 len=248 ExpAA=2.56 First60=0.61 PredHel=0 Topology=o

PCKMOKAE\_00006 len=236 ExpAA=7.17 First60=7.17 PredHel=0 Topology=o

PCKMOKAE\_01491 len=573 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01272 len=943 ExpAA=15.77 First60=15.77 PredHel=1 Topology=i7-29o

PCKMOKAE\_00777 len=658 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00210 len=231 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01147 len=794 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00918 len=544 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01486 len=556 ExpAA=57.79 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00688 len=143 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00990 len=949 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01223 len=626 ExpAA=0.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00009 len=558 ExpAA=0.18 First60=0.17 PredHel=0 Topology=o

PCKMOKAE\_00350 len=945 ExpAA=0.19 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01498 len=272 ExpAA=0.02 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00345 len=149 ExpAA=1.29 First60=0.15 PredHel=0 Topology=o

PCKMOKAE\_01287 len=1532 ExpAA=7.25 First60=7.21 PredHel=0 Topology=o

PCKMOKAE\_00610 len=491 ExpAA=20.09 First60=19.85 PredHel=1 Topology=i9-31o

PCKMOKAE\_00609 len=675 ExpAA=0.05 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01218 len=744 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01067 len=661 ExpAA=0.39 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01056 len=700 ExpAA=22.49 First60=22.49 PredHel=1 Topology=i12-34o

PCKMOKAE\_00603 len=628 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00209 len=144 ExpAA=0.60 First60=0.50 PredHel=0 Topology=o

PCKMOKAE\_00173 len=264 ExpAA=0.05 First60=0.05 PredHel=0 Topology=o

PCKMOKAE\_00762 len=768 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01503 len=861 ExpAA=0.23 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00799 len=1071 ExpAA=0.94 First60=0.79 PredHel=0 Topology=o

PCKMOKAE\_01406 len=378 ExpAA=19.14 First60=18.52 PredHel=1 Topology=i7-24o

PCKMOKAE\_01070 len=362 ExpAA=0.22 First60=0.00 PredHel=0 Topology=o

**Band\_017**

PCKMOKAE\_01743 len=731 ExpAA=1.51 First60=1.50 PredHel=0 Topology=o

PCKMOKAE\_00342 len=792 ExpAA=3.84 First60=3.78 PredHel=0 Topology=o

PCKMOKAE\_00574 len=658 ExpAA=0.99 First60=0.89 PredHel=0 Topology=o

PCKMOKAE\_01350 len=706 ExpAA=0.95 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00480 len=642 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00273 len=655 ExpAA=44.09 First60=18.87 PredHel=2 Topology=o7-25i104-126o

PCKMOKAE\_00222 len=701 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01130 len=331 ExpAA=9.70 First60=9.67 PredHel=0 Topology=o

PCKMOKAE\_00861 len=687 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00918 len=544 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01613 len=611 ExpAA=1.79 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00618 len=520 ExpAA=0.40 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00617 len=887 ExpAA=0.11 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00619 len=594 ExpAA=0.22 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01398 len=857 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00325 len=919 ExpAA=0.09 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00215 len=1391 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00610 len=491 ExpAA=20.09 First60=19.85 PredHel=1 Topology=i9-31o

PCKMOKAE\_00616 len=570 ExpAA=0.15 First60=0.14 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_01405 len=741 ExpAA=0.06 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00353 len=348 ExpAA=14.59 First60=14.59 PredHel=1 Topology=i5-27o

PCKMOKAE\_00246 len=763 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02067 len=659 ExpAA=2.88 First60=0.38 PredHel=0 Topology=o

PCKMOKAE\_00684 len=900 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00579 len=561 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00130 len=603 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00328 len=631 ExpAA=1.66 First60=1.31 PredHel=0 Topology=o

PCKMOKAE\_00715 len=612 ExpAA=0.18 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00041 len=820 ExpAA=0.58 First60=0.57 PredHel=0 Topology=o

PCKMOKAE\_01561 len=602 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01586 len=635 ExpAA=4.91 First60=4.78 PredHel=0 Topology=o

PCKMOKAE\_01485 len=544 ExpAA=14.08 First60=13.98 PredHel=1 Topology=i5-27o

PCKMOKAE\_00307 len=678 ExpAA=0.10 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01878 len=245 ExpAA=0.12 First60=0.12 PredHel=0 Topology=o

PCKMOKAE\_01566 len=922 ExpAA=1.74 First60=1.74 PredHel=0 Topology=o

PCKMOKAE\_00611 len=598 ExpAA=1.26 First60=1.26 PredHel=0 Topology=o

PCKMOKAE\_00151 len=685 ExpAA=0.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00378 len=109 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00808 len=1201 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01460 len=767 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01565 len=380 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00569 len=759 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00171 len=248 ExpAA=2.56 First60=0.61 PredHel=0 Topology=o

PCKMOKAE\_01886 len=942 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00210 len=231 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00213 len=1392 ExpAA=0.22 First60=0.16 PredHel=0 Topology=o

PCKMOKAE\_01272 len=943 ExpAA=15.77 First60=15.77 PredHel=1 Topology=i7-29o

PCKMOKAE\_01882 len=587 ExpAA=0.03 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01225 len=801 ExpAA=0.18 First60=0.13 PredHel=0 Topology=o

PCKMOKAE\_01877 len=758 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01908 len=620 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01968 len=943 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00371 len=179 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00992 len=758 ExpAA=0.05 First60=0.05 PredHel=0 Topology=o

PCKMOKAE\_00472 len=729 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00714 len=684 ExpAA=0.24 First60=0.11 PredHel=0 Topology=o

PCKMOKAE\_00284 len=274 ExpAA=0.98 First60=0.98 PredHel=0 Topology=o

PCKMOKAE\_01017 len=737 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01503 len=861 ExpAA=0.23 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01957 len=751 ExpAA=311.09 First60=20.30 PredHel=14 Topology=i7-26o231-253i284-306o339-361i374-396o416-438i451-473o488-510i523-545o549-571i594-616o631-653i673-695o729-748i

PCKMOKAE\_00258 len=432 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01722 len=680 ExpAA=0.16 First60=0.00 PredHel=0 Topology=o

**Band\_018**

PCKMOKAE\_01130 len=331 ExpAA=9.70 First60=9.67 PredHel=0 Topology=o

PCKMOKAE\_00353 len=348 ExpAA=14.59 First60=14.59 PredHel=1 Topology=i5-27o

PCKMOKAE\_00725 len=333 ExpAA=0.63 First60=0.53 PredHel=0 Topology=o

PCKMOKAE\_01224 len=332 ExpAA=0.09 First60=0.09 PredHel=0 Topology=o

PCKMOKAE\_01743 len=731 ExpAA=1.51 First60=1.50 PredHel=0 Topology=o

PCKMOKAE\_00856 len=347 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01355 len=310 ExpAA=1.41 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00296 len=347 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00636 len=284 ExpAA=0.05 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01515 len=303 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01490 len=318 ExpAA=0.15 First60=0.15 PredHel=0 Topology=o

PCKMOKAE\_01610 len=328 ExpAA=35.09 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01768 len=327 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00251 len=283 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00922 len=321 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01480 len=296 ExpAA=0.04 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01512 len=295 ExpAA=0.16 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00117 len=315 ExpAA=14.40 First60=14.24 PredHel=0 Topology=o

PCKMOKAE\_01037 len=467 ExpAA=1.72 First60=1.14 PredHel=0 Topology=o

PCKMOKAE\_00618 len=520 ExpAA=0.40 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01329 len=313 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00210 len=231 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00386 len=394 ExpAA=0.03 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00371 len=179 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01901 len=319 ExpAA=0.24 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00209 len=144 ExpAA=0.60 First60=0.50 PredHel=0 Topology=o

PCKMOKAE\_01442 len=316 ExpAA=4.37 First60=4.33 PredHel=0 Topology=o

PCKMOKAE\_00392 len=359 ExpAA=17.21 First60=0.81 PredHel=1 Topology=i99-118o

PCKMOKAE\_01342 len=97 ExpAA=0.01 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01297 len=294 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01064 len=332 ExpAA=0.75 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00866 len=515 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00378 len=109 ExpAA=0.00 First60=0.00 PredHel=0 Topology=i

PCKMOKAE\_00819 len=318 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00536 len=311 ExpAA=0.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01514 len=359 ExpAA=0.14 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01519 len=366 ExpAA=24.83 First60=23.02 PredHel=1 Topology=i21-43o

PCKMOKAE\_00994 len=342 ExpAA=0.24 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00166 len=320 ExpAA=1.08 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01350 len=706 ExpAA=0.95 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00368 len=177 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00755 len=308 ExpAA=1.08 First60=1.07 PredHel=0 Topology=o

PCKMOKAE\_00171 len=248 ExpAA=2.56 First60=0.61 PredHel=0 Topology=o

PCKMOKAE\_00531 len=334 ExpAA=0.03 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00958 len=322 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01160 len=354 ExpAA=4.47 First60=0.12 PredHel=0 Topology=o

PCKMOKAE\_00918 len=544 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00750 len=306 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01181 len=304 ExpAA=13.16 First60=13.15 PredHel=0 Topology=o

PCKMOKAE\_00042 len=89 ExpAA=0.02 First60=0.02 PredHel=0 Topology=o

PCKMOKAE\_00224 len=312 ExpAA=6.46 First60=6.46 PredHel=0 Topology=o

PCKMOKAE\_00382 len=206 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00480 len=642 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00965 len=1144 ExpAA=0.02 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00864 len=465 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_00571 len=255 ExpAA=0.17 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01949 len=312 ExpAA=0.00 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01305 len=336 ExpAA=0.01 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01511 len=221 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_01060 len=227 ExpAA=89.47 First60=31.19 PredHel=4 Topology=i7-29o54-76i134-156o171-193i

PCKMOKAE\_00380 len=277 ExpAA=0.05 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_02137 len=269 ExpAA=0.16 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00736 len=338 ExpAA=0.16 First60=0.15 PredHel=0 Topology=o

PCKMOKAE\_01421 len=332 ExpAA=0.41 First60=0.00 PredHel=0 Topology=o

PCKMOKAE\_01132 len=352 ExpAA=0.02 First60=0.01 PredHel=0 Topology=o

PCKMOKAE\_00367 len=172 ExpAA=0.07 First60=0.07 PredHel=0 Topology=o

PCKMOKAE\_01399 len=336 ExpAA=0.09 First60=0.05 PredHel=0 Topology=o