

Scolopendra 1 GTCCTA----AC-----
Lepas 1 GTTTTAAAAACATTTCGACCTCGGGGGTGCTGGACTACGCACTGAACTTAAGCATATCATT
Dosima 1 AATG-----
Pollicipes 1 GGC-----

Scolopendra 8 -----AT---GTGCGCGAGTCC-CAGGGTTGA-
Lepas 61 AAGTGCAGGAAAAGAAACCAAATGGGATTCCCATAGTAACGGCGAGTGAAGTGGGACGAG
Dosima 5 -----GGATTCCCATAGTAACGGCGAGTGAAGTGGGATGAG
Pollicipes 4 -----

Scolopendra 31 CTCGCAAGTTGAAACCCGAAAGCGAAATG--AAAGTAAAAGTCGGTTCGTCTGGCCGACT
Lepas 121 CTCAGC-ACCGAAGCCGGCGGTTCGAAAGGCCGTTCGTGCAATGTGGTGTTC-----
Dosima 41 CTCAGC-ACCGAAGCCGGCGGTTCGAAAGGCCGTTCGTGCAATGTGGTGTTC-----
Pollicipes 4 -----CGTCGTGCAATGTGGTGTTC-----

Scolopendra 89 GAGGCGGGATCCGTCCG-----GGTATCGCTGTAGCCCTTGAG-GGGG
Lepas 170 -GGGAGGGCTCTGTCCGTGTCCGGTGTGGTCCAAGTCTCCTG-----GAAAGGAG
Dosima 90 -GGGAGGGCTCTGTCCGTGTCCGGTGTGGTCCAAGTCTCCTG-----GAAAGGAG
Pollicipes 24 -GGGAGGGCATGTCCGTGCCGCGTTCGGTCCAAGTCTCCTG-----GAAAGGAG

Scolopendra 131 CTGCG-----CGA-GCCC-GGCGCGCACCGCC-----
Lepas 220 TTCCGTGGAGGGTGACAGGCCCGTGCACCAATTGCCGCGTTCGCGGACGAGTCCTTCTT
Dosima 140 TTCCGTGGAGGGTGACAGGCCCGTGCACCAATTGCCGCTGCTCGCGGACGAGTCCTCCTT
Pollicipes 74 TTCCGTGGAGGGTGACAGGCCCGTGCACCGCATAGCCGCGTTCGCGGACGAGTCCTCCTT

Scolopendra 157 -----
Lepas 280 CGAGTCGGGTGTTCGCTAATGCAGCCCTAAGCAGGTGGTAAGCTCCATCTAAAGCTAAA
Dosima 200 CGAGTCGGGTGTTCGCTAATGCAGCCCTAAGCAGGTGGTAAGCTCCATCTAAAGCTAAA
Pollicipes 134 CGAGTCGGGTGTTCGCTAATGCAGCCCTAAGCAGGTGGTAAGCTCCATCTAAAGCTAAA

Scolopendra 157 -----
Lepas 340 TATGACCACGAGTCCGATAGTCAACAAGTACAGTGATGGAAAGTTGAAAAGTACTCTGAA
Dosima 260 TATGACCACGAGTCCGATAGTCAACAAGTACAGTGATGGAAAGTTGAAAAGTACTCTGAA
Pollicipes 194 TACAACCACGAGTCCGATAGTCAACAAGTACAGTGATGGAAAGTTGAAAAGTACTCTGAA

Scolopendra 157 -----
Lepas 400 GAGAGAGTCAAATAGCCCCTGAAGCTGCCAGTATGGGGTTAAGCGCACGTGTGACGCGTG
Dosima 320 GAGAGAGTCAAATAGCCCCTGAAGCTGCCAGTATGGGGTTAAGCGCACGTGTGACGCGTG
Pollicipes 254 GAGAGAGTCAAATAGCCCCTGAAGCTGCCAGTATGGGGTTAAGCGCACGTGTGACGCGTG

Scolopendra 157 -----
Lepas 460 TCGTCGGACAAATAGGCGACTGCCGCA-G-CGTGCGGTTCGGCGCGGCTG-GC-GGTGCGC
Dosima 380 TCGTTGGACAAATAGGCGACTGCCGGT-G-CGTGCGGTTCGGCGCGGCGC-GCTTCT-GC
Pollicipes 314 TCGTCGGACAAATAGACGACCGTTCGGCTGTTCGCGCATG--TTCGGCGCAC-TCTTCGC

Scolopendra 157 -----
Lepas 516 AAGCATCGCGT---CGCGTCGCGCCCGCGCGCTGGACAGAACGC TTCCCTTTGTTCGAC
Dosima 435 GCG--TCGCGTCAATGCNN
Pollicipes 371 GCG--TCGTCGCG-TGCGTCTTACCGCGCGCGCCGCGGAACGTTCCCTTTGTTCGCG

Scolopendra 157 -----
Lepas 573 ACTGACAGGTCGGGGCTTCGTTGTGCGGTCTTATTGCCGACAGTGATCTGCAGAGCCGTG
Dosima 493 NNNNNN-N-NN
Pollicipes 428 ATCGGACAGGTCGGGGCTTCGTTGTGCGGTCTTATTGCCGTCGCCATCTGCAGAGCCGTG

Scolopendra 157 -----
Lepas 633 CTGGGC^GGT^TCGCC^GGTT^TTCCGG^ACCG^G-TGG^CCGT^GT^TCCG^TTGACT^GTG^G-CT-CT^TCG^CG^C
Dosima 551 NNNNNNNNNNNNNNNNN-NN
Pollicipes 488 TC^GGGGC^CCG^GCGCC^TCC^TTCCGG^GT^TGT^GTC^CCG^GTG^TC^TCCG^TTGACT^GTG^GCG^CGCT^TCC^AT^G

Scolopendra 157 -----
Lepas 690 A^GGC^G-CA^ACGGC^CCGG^CT^TTGGT^CTGCG^GTG^CCA^ATG^G---CT^GT^CCG^T---GT^GCG^AACG^ACTG^G
Dosima 610 NNNN-NN
Pollicipes 548 C^GCG^GC^CCA^ACGGC^CCGG^CT^TTGGT^CTGCG^GTG^CCA^ATG^GTG^ACC^GCC^AT---GT^GCG^AACG^ACTG^G

Scolopendra 157 -----
Lepas 743 T^GCGAC^GGGCC^AAC^GC^G-A^TT^CCG^A---G^CTT^TG^CT^CCGG^CT^CCGG^CCT^TTG^CGT^CGT^CAC^GTG^C
Dosima 666 NNNNNNNNNNNNNNNNN-NNNNNN---NNNNNA^AT^CCGG^CT^CCGG^CCT^TTG^CGT^CGT^CAC^GTG^C
Pollicipes 605 G^GCGAC^GGGCC^ACG^CCA^AA^TTC^GA^TCT^CG^CAAG^AGT^CCGG^CT^CCGG^CCT^TTG^CGT^CGT^CAC^GTG^C

Scolopendra 157 GGCCCGT^CT^CCG^A-----CC-----G^CTT-----
Lepas 799 GGCCCGT^CT^TGT^TAA^CAC^GGAC^{CA}AGG^AGT^CTA^{AC}AT^GTG^AG^CG^AG^CG^ATT^GAG^ATT^GACA
Dosima 722 GGCCCGT^CT^TGAA^AC^ACGG^ACC^AAGG^AGT^CTA^{AC}AT^GTG^AG^CG^AG^CG^ATT^GAG^ATT^GACA
Pollicipes 665 GGCCCGT^CT^TGAA^AC^ACGG^ACC^AAGG^AGT^CTA^{AC}AT^GTG^AG^CG^AG^CG^ATT^GAG^ATT^GTC^G

Scolopendra 175 ---C-----CTG^TCGG^C-----
Lepas 859 AATCTCAAACGCGCAATGAAAGTGAAGTGTGCGTCTGACGGCAGAGCGGTGATCCG--GC
Dosima 782 AATCTCAAACGCGCAATGAAAGTGAAGTGTGCGTCTGACGGCAGAGCGGTGATCCG--GC
Pollicipes 725 AATCTCAAACGCGCAATGAAAGTGAAGTGTGCGTCTGACGGCAGAGCGGA^AGATCCGCGGC

Scolopendra 184 -----G-----
Lepas 917 G^TCA^CG^TG^TG^CCG^C---CGGCGCAACCGCGGGCCGCGCCATGGGCTGGCTTGCTTTTCGGA
Dosima 840 C^TCA---AA---AC---CGGCGCAACCGCGGGCCGCGCCATGGGCTGGCTTGCTTTTCGGA
Pollicipes 785 G^TGT---T^AT^CCG^CCG^CCGGCGCA^TCGGCGGGCCGCGCCAT^TGGCTGGCTTGCTTTTCGGA

Scolopendra 185 -----AG--GCGGAGCAAGAGCGCACACGTTGGGACCCGAAAGATGGTGA^ACTATG
Lepas 975 GCACTGCTCAGGCGCGGACCTAGAGCCCACACGTTGGGACCCGAAAGATGGTGA^ACTATG
Dosima 892 GCACTGCTCAGGCGCGGACCTAGAGCCCACACGTTGGGACCCGAAAGATGGTGA^ACTATG
Pollicipes 843 GCACTGCTA^AAGGCGCGGACCTAGAGCCCACACGTTGGGACCCGAAAGATGGTGA^ACTATG

Scolopendra 234 C^TCGGCAGGACGAAGCCAGAGGAAACTCTGGTGGAGGTCCG^TAGCGGATTCTGACGTGCA
Lepas 1035 CCTGGCCAGGATGAAGCCAGAGGAAACTCTGGTGGAGGTCCGCCGCGATTCTGACGTGCA
Dosima 952 CCTGGCCAGGATGAAGCCAGAGGAAACTCTGGTGGAGGTCCGCCGCGATTCTGACGTGCA
Pollicipes 903 CCTGGCCAGGATGAAGCCAGAGGAAACTCTGGTGGAGGTCCGCCGCGATTCTGACGTGCA

Scolopendra 294 AATCGATCGTCTGACCTGAGTATAGGGGCGAAAGACTAATCGAACCGTCTAGTAGCTGGT
Lepas 1095 AATCGATCGTCTGAGCTGGGTATAGGGGCGAAAGACCAATCGAACCATCTAGTAGCTGGT
Dosima 1012 AATCGATCGTCTGAGCTGGGTATAGGGGCGAAAGACCAATCGAACCATCTAGTAGCTGGT
Pollicipes 963 AATCGATCGTCTGAGCTGGGTATAGGGGCGAAAGACCAATCGAACCAATCTAGTAGCTGGT

Scolopendra 354 TCCCTCCGAAGTTTCCCTCAGGATAGCTGGT^TGCTCGGTGAGGAACGCAGTCTCATCCGGT
Lepas 1155 TCCGCCCGAAGTTTCCCTCAGGATAGCTGGCGCTT-GTGTGATACGGAGTTTCATCCGGT
Dosima 1072 TCCGCCCGAAGTTTCCCTCAGGATAGCTGGCGCTT-GTGTGATACGGAGTTTCATCCGGT
Pollicipes 1023 TCCGCCCGAAGTTTCCCTCAGGATAGCTGGCGCTC-GTGTGATACGGAGTTTCATCCGGT

Scolopendra 414 AAAGCGAATGATTAGAGGCCTTGGGGCCGAATCGACCTCAACCTATTCTCAA^ACTTTCAA
Lepas 1214 AAAGCGAATGATCAGAGGAGCTGGGCTCCTTGCAGCTCAACCTATTCTCAA^ACTTTCAA
Dosima 1131 AAAGCGAATGATCAGAGGAGCTGGGCTCCTTGCAGCTCAACCTATTCTCAA^ACTTTCAA
Pollicipes 1082 AAAGCGAATGATCAGAGGAGCTGGGCTCCTTGCAGCTCAACCTATTCTCAA^ACTTTCAA

Scolopendra 474 TGGGTGAGAAAGTCCGGCTTGCCCTGACTGAAGCCCGGACCAAATCTGATCCGACAGGGTGT
Lepas 1274 TGGGTGAGACGTCTCGCTGGCTTCAGTGCAGCGAC-----
Dosima 1191 TGGGTGAGACGTCTCGCTGGCTTCAGTGCAGCGAC-----
Pollicipes 1142 TGGGTGAGACGTCTCGCTGGCTTCAGTGCAGCGAC-----

Scolopendra 534 CGATCTGACAGTGTGTGTCGGGGAGTAAAATCCTCGGCAACCTGGCTGCGGCCCTGCTCGG
Lepas 1309 -----GA
Dosima 1226 -----GA
Pollicipes 1177 -----GA

Scolopendra 594 TA-CGGATGCGAGTGCCCAGTGGGCCAAATTTTGGTAAGCAGAAGTGGCGCTGTGGGATGA
Lepas 1311 CTCTGAATCCGAGTGCCCAGTGGGCCACTTTTGGTAAGCAGAAGTGGCGATGCGGGATGA
Dosima 1228 CTCTGAATCCGAGTGCCCAGTGGGCCACTTTTGGTAAGCAGAAGTGGCGATGCGGGATGA
Pollicipes 1179 CTCTGAATCCGAGTGCCCAGTGGGCCACTTTTGGTAAGCAGAAGTGGCGATGCGGGATGA

Scolopendra 653 ACCAAACG-CCGGTTACGGCGCCCGATGCGGACGCTCATCAGACCCTATGAAAGGTGTT
Lepas 1371 ACCGCATG-TCGAGTTAAGGTGCCT-AAGCGAACGCAAATCAGATACCATGAAAGGTGTT
Dosima 1288 ACCGCATG-TCGAGTTAAGGTGCCT-AAGCGGACGCAAATCAGATACCATGAAAGGTGTT
Pollicipes 1239 ACCGCATGTCGAGTTAAGGTGCCT-AAGCGGACGCAAATCAGATACCATGAAAGGTGTT

Scolopendra 712 GATTGCTATAGACAGCAGGACGGTGGCCATGGAAGTCGGAAATCCGCTAAGGAGTGTGTAA
Lepas 1429 GATTGCTCAGCAGCAGGACGGTGGCCATGGAAGTCGGCATCCGCTAAGGAGTGTGTAA
Dosima 1346 GATTGCTCAGCAGCAGGACGGTGGCCATGGAAGTCGGCATCCGCTAAGGAGTGTGTAA
Pollicipes 1298 GATTGCTCAGCAGCAGGACGGTGGCCATGGAAGTCGGCATCCGCTAAGGAGTGTGTAA

Scolopendra 772 CAACTCACCTGCCGAAGCAACTAGCCCTGAAAATGGATGGCGCTCCAGCGTCGAGCCGAT
Lepas 1489 CAACTCACCTGCCGAAGCAATCAGCCCTGAAAATGGATGGCGCTAAAGCGTTCACCGAT
Dosima 1406 CAACTCACCTGCCGAAGCAATCAGCCCTGAAAATGGATGGCGCTAAAGCGTTCACCGAT
Pollicipes 1358 CAACTCACCTGCCGAAGCAATCAGCCCTGAAAATGGATGGCGCTAAAGCGTTCACCGAT

Scolopendra 832 ACCCGCCCGCCGG-GGCAGAGACTTTGTGGCGA--TCCTACAAAAGAAATGCCCCGGTGA
Lepas 1549 ACTCGACCGTCGTCCGGCAT-----GCGAGGCGCCAT-GTGGCGTTCTGACGCCACGACGA
Dosima 1466 ACTCGACCGTCGTCCGGCAT-----GCGATGCGCCAT-GCGCGCATCTGACGCCACGACGA
Pollicipes 1418 ACTCGACCGTCGTCCGGCAT-----GCGATGCTT-----TACGCATCTGACGCCACGACGA

Scolopendra 889 GTAGGAGGGTTCGCGCGGGTGTGCGTCAAGGTGTGCGGCGTAGGCCCGCTGGAGCCACC
Lepas 1603 GTAGGGCGG-CGCGCGGGTGAGCGTTGAAGGCGTA-ACCGTGAGGTAGCTGGAGCCGCC
Dosima 1520 GTAGGGCGG-CGCGCGGGTGAGCGTTGAAGGCGTA-ACCGTGAGGTAGCTGGAGCCGCC
Pollicipes 1468 GTAGGGCGG-CGCGAGTGGTGAGCGTTGAAGGCGTA-GCCGTGAGGCTAGCTGGAGCCGCC
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Scolopendra 949 GCCGGTGCAGATCTTGGTGGTAGTACAAATACCTCGAGTGAGAACCTTGAAGGACTGAAAGT
Lepas 1661 GTCGGTGCAGATCTTGGTGGTAGTACAAATACACAAGCAAGATCCTTGTGGACCGATGT
Dosima 1578 GTCGGTGCAGATCTTGGTGGTAGTACAAATACACAAGCAAGATCCTTGTGGACCGATGT
Pollicipes 1526 ATTGGTGCAGATCTTGGTGGTAGTACAAATACACAAGCAAGATCCTTGTGGACCGATGT
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Scolopendra 1009 GGAGAAGGGTTCCTATGTTGAACAGCAGTTGAACATGGGTGAGTCCGCCCTAAGG-----
Lepas 1721 GGAGAAGGGTTCGCGCGGAACAGTATTTGGACGTGGGTGAGTCCGCCCTAAGCCAACGGG
Dosima 1638 GGAGAAGGGTTCGCGCGGAACAGTATTTGGACGTGGGTGAGTCCGCCCTAAGCCAACGGG
Pollicipes 1586 GGAGAAGGGTTCGCGCGGAACAGTACTTTGGACGTGGGTGAGTCCGCCCTAAGCCAACGGG
***** * ** ** * ** ** * ** ** * ** ** * **

Scolopendra 1062 -----
Lepas 1781 TAATTCCCGCATCCCGATGTTTCTA-TCAATACA-AACGAAATACAACGGGTTGATGGCG
Dosima 1698 TAATTCCCGCATCC-----CAA-----
Pollicipes 1646 TAATTCCCGCATCCCG-TGTTACTGCGCAATATGTAAGCAAATAACATGGGTTGATGGCG

Scolopendra 1062 -----
Lepas 1839 AAAGGGAATGCGGTCAATATTCCGCAACCA GACGCTGGCACAATGCTCGCTTCCG-GCGAG
Dosima 1715 -----
Pollicipes 1705 AAAGGGAATGCGGTCAATATTCCGCAACCCGACGCGGGCACAATGCTCACTTCCGTGTGGG

Scolopendra 1062 -----
Lepas 1898 CACGTCGCGGCGACGCTATCTGACTCGGTCTCGCTGATCATGACCCGAGGTAGAGTTTTTC
Dosima 1715 -----
Pollicipes 1765 CACGTCGCGGCGACGCCAACAAGACTCGGTCTCGCTGACCATGACCCGAGGTAGAGTTTTTC

Scolopendra 1062 -----
Lepas 1958 TATTCTAATTGAGGGTTCCGGCCGTGGAAGCTATTCCGCTATGAGAAACGAGAGTCTTTCCG
Dosima 1715 -----
Pollicipes 1825 TATTCTAGTTGAGGGTTCCGGCCGTGGAAGCTATTCCGCTATGAGAAACGAGGGTCTTTCCG

Scolopendra 1062 -----
Lepas 2018 GGACTCGCGCATGGATACCCGCAGAGCGGTGTGTAATTTCACGCCGTCTCGTGCGT-CATG
Dosima 1715 -----
Pollicipes 1885 GGACTCGCGCATGGATACCCGCAGAGCGGTGTGTAATTTCACGCCGTCTCGTGCGTCCATG

Scolopendra 1062 -----
Lepas 2077 ATCGGCCCTTGAAAACCCGAGCGAGGGGACATGCTCAATGCCAGCGTCTGTCCGTACCCG
Dosima 1715 -----
Pollicipes 1945 GTCGGGCCCTTGAAAACCCGAGCGAGGGGACATGCTCAATGCCCGCGTCCGTCCGTACCCG

Scolopendra 1062 -----
Lepas 2137 ACACCGCATCAGGTCTCCAAGGTGAACAGCCTCTGGTCGATAGACGAATGTAGGTAAGGG
Dosima 1715 -----
Pollicipes 2005 ACACCGCATCAGGTCTCCAAGGTGAACAGCCTCTGGTCGATAGACGAATGTAGGTAAGGG

Scolopendra 1062 -----
Lepas 2197 AAGTCGGCAAAATGGATCCGTAACTTCGGGATAAGGATTGGCTCTGAGGCTTCGGTCGTT
Dosima 1715 -----
Pollicipes 2065 AAGTCGGCAAAATGGATCCGTAACTTCGGGATAAGGATTGGCTCTGAGGCTTCGGTCGTT

Scolopendra 1062 -----
Lepas 2257 CGGGCTCTCTGTGTAAGTGGTTAAGGTGCCGCGATCGCTGGGGCTAGGTCTTGTGCTGGT
Dosima 1715 -----
Pollicipes 2125 CGGGCTCTCTGTGTAAGTGGTTAAGGTGCCGCGATCACTTGGGCTAGGTCTTGTGCTGGT

Scolopendra 1062 -----
Lepas 2317 CACGAGACTTACTGGACCTTGTCCGCGTCTCATCCGCCATGGATCGGCTGAGCTTGTCCG
Dosima 1715 -----
Pollicipes 2185 CACGAGACTTACTGGACCTTGTCCGCGTCTCATCCGCCATGGATCGGTTTGGCTTGTCCG

Scolopendra 1062 -----
Lepas 2377 CCGGCTCGGCCGC-GGGTGTTCGCC-----TACACTT--C-----GGCGGTGCA
Dosima 1715 -----
Pollicipes 2245 CCTGTCGGGCCGCGCGCTGTCCGAGCGCTCGCGGTGAGCGGGCGCGCGCACGGTCA

Scolopendra 1062 -----
Lepas 2419 CGGGAACAACCGCGTCTGTTCCGGCAACTAAGAAGCAACTCAGAACTGGCACGGACCAGGGG
Dosima 1715 -----
Pollicipes 2305 CGGGAACAACCGCGTCTGTTCCGGCAACTAAGAAGCAACTCAGAACTGGCACGGACCAGGGG

Scolopendra 1062 -----
Lepas 2479 **AATCCGACTGACTAATTAAATCATAGCATCGCGATGGCCAAGGTCGGTGTGACGCGATG**
Dosima 1715 -----
Pollicipes 2365 **AATCCGACTGACTAATTAAATCATAGCATCGCGATGGCCAAGGTCGGTGTGACGCGATG**

Scolopendra 1062 -----
Lepas 2539 **TGATTTCTGCCAGTGCTCTGAATGTCAAAGTGAAGAAATTCATCCAAGCGGGTAAAC**
Dosima 1715 -----
Pollicipes 2425 **TGATTTCTGCCAGTGCTCTGAATGTCAAAGTGAAGAAATTCATCCAAGCGGGTAAAC**

Scolopendra 1062 -----
Lepas 2599 **GGCGGGAGTAACTATGACTCTCTTAAGGTAGCCAAATGCCTCGTCATCTAATTAGTGACG**
Dosima 1715 -----
Pollicipes 2485 **GGCGGGAGTAACTATGACTCTCTTAAGGTAGCCAAATGCCTCGTCATCTAATTAGTGACG**

Scolopendra 1062 -----
Lepas 2659 **CGCATGAATGGATCAACGAGATTCCCCTGTCCCTATCTACTATCTAGCGAAACCACAGC**
Dosima 1715 -----
Pollicipes 2545 **CGCATGAATGGATCAACGAGATTCCCCTGTCCCTATCTACTATCTAGCGAAACCACAGC**

Scolopendra 1062 -----
Lepas 2719 **CAAGGGAACGGGCTTGGATTTCGTCAGCGGGAAAGAAGACCCTGTTGAGCTTGACTCTAA**
Dosima 1715 -----
Pollicipes 2605 **CAAGGGAACGGGCTTGGAAATCGTCAGCGGGAAAGAAGACCCTGTTGAGCTTGACTCTAA**

Scolopendra 1080 **--CGA-----AG-----CG--CGGTGT--T-----CGTG**
Lepas 2779 **TCTGACTCTGTGAGGAGACATGGCAGGTGTAGGCTAGGTTGGGAGCGCAAGTCGACTGTG**
Dosima 1715 -----
Pollicipes 2665 **TCTGACTCTGTGAGGAGACATGGCAGGTGTAGTCTAAGTGGGAGACGCAAGTCGAAATGTG**

Scolopendra 1098 **CAACACGAC---CC---CGGCTGA-----C---CGA--AAGGGAATCGGGTTAA--**
Lepas 2839 **AAATACCCTACTTTTCATTGTCTCATCACTAACACAGTGATAAGGGGACTCGATCACTTC**
Dosima 1715 -----
Pollicipes 2725 **AAAGACCCTACTTTTCATTGTCTCATCACTAACACAGTGATAAGGGGACTCGAACTCTTC**

Scolopendra 1136 **-----TATTCCCGAACCCGGATGCGGAAGTC-----GGACCCT-**
Lepas 2899 **G-GTCAATCGCGATTCTCGATTCA--AGGCGTAAGGCGGCTTGTCCGTCTGGCCGACCCAC**
Dosima 1715 -----
Pollicipes 2785 **GCGACTTCGCGATTCTCGATTCA--AGGCGCAAGGCGGCTKGTCCGTCTGGCCGACCCAC**

Scolopendra 1169 **-----TCG-----GGTCCA-----ATGCGGTAACG**
Lepas 2956 **GCTGAGGACACAGTCAGGTGGGAGTTTACTGGGGCGGTACATCTGTCAAACGATAACG**
Dosima 1715 -----
Pollicipes 2843 **GCTGAGGACACAGTCAGGTGGGAGTTTACTGGGGCGGTACATCTGTCAAACGATAACG**

Scolopendra 1190 **CAAA---C-----GAACTCGGAGCGTCC-----GC-----**
Lepas 3016 **CAGGTGTCCGAAGGCCAGCTCAGAGGCGACAGAAACGCCTCGTAGAGCAAAGGGCAAAA**
Dosima 1715 -----
Pollicipes 2903 **CAGGTGTCCGAAGGCCAGCTCAGAGGCGACAGAAACGCCTCGTAGAGCAAAGGGCAAAA**

Scolopendra 1213 **-----GGGAGTCCCG-----GAAGAGTTGT-----C**
Lepas 3076 **GCTGGCTTGATCTGGATTTTCAGTACGAATACGGACCACGAAAGTGGGCCCATCGATCC**
Dosima 1715 -----
Pollicipes 2963 **GCTGGCTTGATCTGGATTTTCAGTACGAATACGGACCACGAAAGTGGGCCCATCGATCC**

Scolopendra 1235 TTTT-----CTTT--GTAA-----GGG-----
 Lepas 3136 TTTTGATTTTACGAGC-----
 Dosima 1715 -----
 Pollicipes 3023 TTTTGATTTTACGAGCTTTAAGCAAGAGGTGTCAGAAAAGTTACCACAGGGATAACTGGC

Scolopendra 1250 -----ACGG-----AC-T-----CCCTGG-AATCGGCTC-----
 Lepas 3152 -----
 Dosima 1715 -----
 Pollicipes 3083 TTGTGCGGCCAAGCGTTCATAGCGACGTCGCTTTTTGATCCTTCGATGTCGGCTCTTCC

Scolopendra 1272 -----
 Lepas 3152 -----TTT-----
 Dosima 1715 -----
 Pollicipes 3143 TATCATTGYGAAGCAGAATTCRCCAAGYGYGGATTGTTACCCRCCTAAYAGGGAACGTG

Scolopendra 1272 -----GACCGG-----AGAGAGGGATGT-----TGTTCCCGT-----
 Lepas 3155 -----
 Dosima 1715 -----
 Pollicipes 3203 AGCTGGGTTTAGACCGTCGTGAGACAGGTTAGTTTTACCCTACTGATGACCCCGTCTTCG

Scolopendra 1299 -----A-----AAGCACCGCGC-TC-----TTG--C-----
 Lepas 3155 -----
 Dosima 1715 -----
 Pollicipes 3263 CCATGGCAATCCTGCTCAGTACGAGAGCAACCGCAGGTTCGGACATTTGGTACATGTGCT

Scolopendra 1318 -GG-TGT-----CCG-----GAGCGCTCC-----
 Lepas 3155 -----
 Dosima 1715 -----
 Pollicipes 3323 CCGCTGACAAGCCGATGGTGCAGGCTACCATCCGACGGATTATGACTGAACGCCTCTAA

Scolopendra 1336 -----GCCGGCCC-----TTGAAAT-CC-----GAGGGAGA
 Lepas 3155 -----
 Dosima 1715 -----
 Pollicipes 3383 GTCAGAATCCGGCCCAGAAACGTGAAGATACC GTCTGTACCTCGACTGTCCGGAGGGCAGA

Scolopendra 1362 GA-----ATT-----TG-----ATTTTCG--CAC-----
 Lepas 3155 -----
 Dosima 1715 -----
 Pollicipes 3443 GATATGCGCGCCAATTGCGCCGCGGTGGAAAAGCCACAGCTTTGCGGGCACGGCAAC

Scolopendra 1379 ---CGG-----ACCGTACC-----
 Lepas 3155 -----A-----
 Dosima 1715 -----TCTTTA-----
 Pollicipes 3503 TGC CGGGGTCTAGGTAACCTCCTTGCCCTCGGCAGCCGAAGCCGAGATCGATCCAGTT

Scolopendra 1390 -----CATATC-----CGCA-GCA
 Lepas 3156 -----A-----GCA-AGA
 Dosima 1721 -----T-----GC--AT
 Pollicipes 3563 CAATGTAGAGGTGCCCAAATCATTACGCAGACG

Percent (%) Identity Matrix - created by Clustal2.1

1: centipepde

2: pollicipes

3: lepas

4: dosima

	1	2	3	4
1:	100.00	69.11	68.95	73.64
2:	69.11	100.00	89.17	80.46
3:	68.95	89.17	100.00	83.45
4:	73.64	80.46	83.45	100.00