|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Sequence ID** | **Kraken classification** | **Length (bp)** | **BLAST**  **E-value** |
| **1** | 7180001691515 | Achromobacter xylosoxidans A8 | 1605 | 0.0 |
| **2** | 7180001699216 | Achromobacter xylosoxidans A8 | 1002 | 0.0 |
| **3** | 7180001694778 | Acidovorax avenae subsp. avenae ATCC 19860 | 1061 | 0.0 |
| **4** | 7180001701923 | Acinetobacter baumannii 1656-2 | 1309 | 0.0 |
| **5** | 7180001701419 | Acinetobacter baumannii ATCC 17978 | 1545 | 1.0E-02 |
| **6** | 7180001701949 | Acinetobacter baumannii ATCC 17978 | 1044 | 6.0E-02 |
| **7** | 7180001712792 | Acinetobacter baumannii ATCC 17978 | 1609 | 0.0 |
| **8** | 7180001697315 | Acinetobacter baumannii AYE | 1201 | 0.0 |
| **9** | 7180001706703 | Acinetobacter baumannii AYE | 1089 | 0.0 |
| **10** | 7180001999774 | Acinetobacter baumannii AYE | 3365 | 1.0E-02 |
| **11** | 7180002004940 | Acinetobacter baumannii AYE | 2113 | 0.0 |
| **12** | 7180001701648 | Acinetobacter baumannii BJAB0715 | 1451 | 0.0 |
| **13** | 7180002004930 | Acinetobacter baumannii BJAB0715 | 2692 | 0.0 |
| **14** | 7180002004148 | Acinetobacter baumannii D1279779 | 3098 | 0.0 |
| **15** | 7180001705700 | Acinetobacter baumannii SDF | 1181 | 3.0E-124 |
| **16** | 7180001714277 | Acinetobacter baumannii SDF | 3163 | 0.0 |
| **17** | 7180001705678 | Acinetobacter baumannii ZW85-1 | 1589 | 0.0 |
| **18** | 7180002006808 | Acinetobacter baumannii ZW85-1 | 2314 | 0.0 |
| **19** | 7180001716509 | Acinetobacter calcoaceticus PHEA-2 | 1592 | 0.0 |
| **20** | 7180001999985 | Bacillus thuringiensis | 2515 | 0.0 |
| **21** | 7180001713704 | Bacillus cereus AH187 | 1398 | 0.0 |
| **22** | 7180001717806 | Bacillus megaterium DSM 319 | 1330 | 3.0E-20 |
| **23** | 7180001702762 | Bacillus thuringiensis konkukian str. 97-27 | 1833 | 4.0E-110 |
| **24** | 7180001708562 | Bacillus thuringiensis thuringiensis str. IS5056 | 1370 | 0.0 |
| **25** | 7180001877879 | Choristoneura occidentalis granulovirus | 1301 | 2.0E-27 |
| **26** | 7180001699285 | Bradyrhizobium diazoefficiens USDA 110 | 1279 | 3.0E-139 |
| **27** | 7180001707983 | Burkholderia ambifaria AMMD | 1326 | 0.0 |
| **28** | 7180001695504 | Burkholderia sp. YI23 | 1361 | 0.0 |
| **29** | 7180001693117 | Acidovorax | 1423 | 0.0 |
| **30** | 7180001700258 | Delftia | 1251 | 3.0E-130 |
| **31** | 7180001691753 | Acidovorax sp. KKS102 | 1241 | 0.0 |
| **32** | 7180001696073 | Acidovorax sp. KKS102 | 1006 | 0.0 |
| **33** | 7180001696863 | Acidovorax sp. KKS102 | 1327 | 0.0 |
| **34** | 7180001702419 | Acidovorax sp. KKS102 | 1311 | 0.0 |
| **35** | 7180001708186 | Acidovorax sp. KKS102 | 1299 | 0.0 |
| **36** | 7180001732036 | Acidovorax sp. KKS102 | 1144 | 0.0 |
| **37** | 7180001691654 | Alicycliphilus denitrificans | 1092 | 1.0E-167 |
| **38** | 7180001691556 | Comamonas testosteroni CNB-2 | 1491 | 0.0 |
| **39** | 7180001691762 | Comamonas testosteroni CNB-2 | 1107 | 0.0 |
| **40** | 7180001691912 | Comamonas testosteroni CNB-2 | 1079 | 0.0 |
| **41** | 7180001692022 | Comamonas testosteroni CNB-2 | 1230 | 0.0 |
| **42** | 7180001700513 | Comamonas testosteroni CNB-2 | 1255 | 0.0 |
| **43** | 7180001708911 | Comamonas testosteroni CNB-2 | 1798 | 0.0 |
| **44** | 7180001695134 | Cronobacter sakazakii SP291 | 1537 | 9.0E-111 |
| **45** | 7180001697043 | Cronobacter sakazakii SP291 | 2524 | 0.0 |
| **46** | 7180001696847 | Cupriavidus metallidurans CH34 | 1052 | 9.0E-55 |
| **47** | 7180001715091 | Delftia acidovorans SPH-1 | 1159 | 7.0E-71 |
| **48** | 7180001695082 | Enterobacter cloacae subsp. cloacae ATCC 13047 | 1831 | 0.0 |
| **49** | 7180001695083 | Enterobacter cloacae subsp. cloacae ATCC 13047 | 3068 | 0.0 |
| **50** | 7180001695087 | Enterobacter cloacae subsp. cloacae ATCC 13047 | 1376 | 0.0 |
| **51** | 7180001695131 | Enterobacter cloacae subsp. cloacae ATCC 13047 | 1125 | 0.0 |
| **52** | 7180001697057 | Enterobacter cloacae subsp. cloacae ATCC 13047 | 1394 | 0.0 |
| **53** | 7180001697087 | Enterobacter cloacae subsp. cloacae ATCC 13047 | 8888 | 0.0 |
| **54** | 7180001999886 | Enterobacter cloacae subsp. cloacae ATCC 13047 | 6157 | 0.0 |
| **55** | 7180002004479 | Enterobacter cloacae subsp. cloacae ATCC 13047 | 3155 | 0.0 |
| **56** | 7180002004855 | Enterobacter cloacae subsp. cloacae ATCC 13047 | 2609 | 0.0 |
| **57** | 7180002006322 | Enterobacter cloacae subsp. cloacae ATCC 13047 | 3393 | 0.0 |
| **58** | 7180002006328 | Enterobacter cloacae subsp. cloacae ATCC 13047 | 3366 | 0.0 |
| **59** | 7180002006330 | Enterobacter cloacae subsp. cloacae ATCC 13047 | 3874 | 0.0 |
| **60** | 7180002006331 | Enterobacter cloacae subsp. cloacae ATCC 13047 | 7695 | 0.0 |
| **61** | 7180002015322 | Enterobacter cloacae subsp. cloacae ATCC 13047 | 5829 | 0.0 |
| **62** | 7180001981944 | Pantoea sp. At-9b | 1149 | 0.0 |
| **63** | 7180001694408 | Herbaspirillum seropedicae SmR1 | 1001 | 0.0 |
| **64** | 7180001702918 | Herbaspirillum seropedicae SmR1 | 1016 | 0.0 |
| **65** | 7180001780930 | Human herpesvirus 7 | 1762 | 1.0E-05 |
| **66** | 7180002004853 | Klebsiella oxytoca E718 | 2981 | 0.0 |
| **67** | 7180001702001 | Lysinibacillus sphaericus C3-41 | 7780 | 0.0 |
| **68** | 7180001712366 | Acinetobacter baumannii | 1297 | 0.0 |
| **69** | 7180001691226 | Novosphingobium aromaticivorans DSM 12444 | 1254 | 0.0 |
| **70** | 7180001713639 | Pantoea vagans C9-1 | 1132 | 0.0 |
| **71** | 7180001704583 | Phenylobacterium zucineum HLK1 | 1126 | 1.0E-48 |
| **72** | 7180001692000 | Pseudomonas protegens | 1109 | 0.0 |
| **73** | 7180001698462 | Pseudomonas protegens | 1011 | 4.0E-157 |
| **74** | 7180001730725 | Pseudomonas protegens | 1105 | 2.0E-66 |
| **75** | 7180001712491 | Pseudomonas | 1242 | 4.0E-99 |
| **76** | 7180001691595 | Pseudomonas entomophila L48 | 1293 | 0.0 |
| **77** | 7180001691572 | Pseudomonas fluorescens A506 | 1197 | 0.0 |
| **78** | 7180001703584 | Pseudomonas fluorescens A506 | 1082 | 0.0 |
| **79** | 7180001710297 | Pseudomonas fluorescens A506 | 1119 | 0.0 |
| **80** | 7180001711155 | Pseudomonas fluorescens A506 | 1080 | 0.0 |
| **81** | 7180001714218 | Pseudomonas fluorescens A506 | 1792 | 0.0 |
| **82** | 7180001715123 | Pseudomonas fluorescens A506 | 1237 | 0.0 |
| **83** | 7180001730883 | Pseudomonas fluorescens A506 | 1080 | 0.0 |
| **84** | 7180001732206 | Pseudomonas fluorescens A506 | 1386 | 0.0 |
| **85** | 7180001733386 | Pseudomonas fluorescens A506 | 1158 | 0.0 |
| **86** | 7180001705442 | Pseudomonas fluorescens Pf0-1 | 1259 | 0.0 |
| **87** | 7180001706267 | Pseudomonas fluorescens Pf0-1 | 1823 | 0.0 |
| **88** | 7180001708341 | Pseudomonas fluorescens Pf0-1 | 1065 | 0.0 |
| **89** | 7180001708532 | Pseudomonas fluorescens Pf0-1 | 1090 | 0.0 |
| **90** | 7180001717386 | Pseudomonas fluorescens Pf0-1 | 1104 | 0.0 |
| **91** | 7180001717512 | Pseudomonas fluorescens Pf0-1 | 1302 | 0.0 |
| **92** | 7180001717741 | Pseudomonas fluorescens Pf0-1 | 1150 | 0.0 |
| **93** | 7180001718925 | Pseudomonas fluorescens Pf0-1 | 1140 | 0.0 |
| **94** | 7180001734233 | Pseudomonas fluorescens Pf0-1 | 1211 | 0.0 |
| **95** | 7180001734398 | Pseudomonas fluorescens Pf0-1 | 1190 | 0.0 |
| **96** | 7180001692018 | Pseudomonas protegens CHA0 | 1065 | 0.0 |
| **97** | 7180001698121 | Pseudomonas protegens CHA0 | 1235 | 0.0 |
| **98** | 7180001711853 | Pseudomonas protegens CHA0 | 1061 | 0.0 |
| **99** | 7180001695497 | Pseudomonas putida DOT-T1E | 1248 | 0.0 |
| **100** | 7180001695492 | Pseudomonas putida GB-1 | 1130 | 0.0 |
| **101** | 7180001695493 | Pseudomonas putida GB-1 | 1098 | 0.0 |
| **102** | 7180001704969 | Pseudomonas resinovorans NBRC 106553 | 1099 | 9.0E-90 |
| **103** | 7180001699625 | Ramlibacter tataouinensis TTB310 | 1040 | 1.0E-38 |
| **104** | 7180001715443 | Rhizobium leguminosarum bv. trifolii WSM1325 | 1195 | 6.0E-02 |
| **105** | 7180001691588 | Albidiferax ferrireducens T118 | 1045 | 4.0E-38 |
| **106** | 7180001698272 | Albidiferax ferrireducens T118 | 1268 | 2.0E-171 |
| **107** | 7180001699066 | Serratia liquefaciens ATCC 27592 | 1080 | 0.0 |
| **108** | 7180001730888 | Serratia proteamaculans 568 | 1300 | 0.0 |
| **109** | 7180001767298 | Shewanella baltica | 1034 | 3.0E-02 |
| **110** | 7180001697146 | Novosphingobium sp. PP1Y | 1047 | 4.0E-78 |
| **111** | 7180001719800 | Stenotrophomonas maltophilia D457 | 1334 | 0.0 |
| **112** | 7180001699804 | Stenotrophomonas maltophilia JV3 | 1115 | 0.0 |
| **113** | 7180001700805 | Stenotrophomonas maltophilia JV3 | 1022 | 0.0 |
| **114** | 7180001713726 | Stenotrophomonas maltophilia JV3 | 1009 | 0.0 |
| **115** | 7180001691601 | Stenotrophomonas maltophilia K279a | 1123 | 0.0 |
| **116** | 7180001699840 | Stenotrophomonas maltophilia K279a | 1376 | 0.0 |
| **117** | 7180001702909 | Stenotrophomonas maltophilia K279a | 1117 | 0.0 |
| **118** | 7180001703469 | Stenotrophomonas maltophilia K279a | 1215 | 0.0 |
| **119** | 7180001713625 | Stenotrophomonas maltophilia K279a | 1139 | 0.0 |
| **120** | 7180001691620 | Stenotrophomonas maltophilia R551-3 | 1134 | 0.0 |
| **121** | 7180001691715 | Stenotrophomonas maltophilia R551-3 | 1078 | 0.0 |
| **122** | 7180001692044 | Stenotrophomonas maltophilia R551-3 | 1544 | 0.0 |
| **123** | 7180001696343 | Stenotrophomonas maltophilia R551-3 | 1174 | 0.0 |
| **124** | 7180001698764 | Stenotrophomonas maltophilia R551-3 | 1112 | 0.0 |
| **125** | 7180001699175 | Stenotrophomonas maltophilia R551-3 | 1318 | 0.0 |
| **126** | 7180001702274 | Stenotrophomonas maltophilia R551-3 | 1882 | 0.0 |
| **127** | 7180001703759 | Stenotrophomonas maltophilia R551-3 | 1230 | 0.0 |
| **128** | 7180001706296 | Stenotrophomonas maltophilia R551-3 | 1652 | 0.0 |
| **129** | 7180001707760 | Stenotrophomonas maltophilia R551-3 | 1042 | 0.0 |
| **130** | 7180001707924 | Stenotrophomonas maltophilia R551-3 | 1375 | 0.0 |
| **131** | 7180001713350 | Stenotrophomonas maltophilia R551-3 | 1364 | 0.0 |
| **132** | 7180001713973 | Stenotrophomonas maltophilia R551-3 | 1389 | 0.0 |
| **133** | 7180001720643 | Stenotrophomonas maltophilia R551-3 | 1067 | 0.0 |
| **134** | 7180001697964 | Verminephrobacter eiseniae EF01-2 | 1363 | 7.0E-47 |
| **135** | 7180001703051 | Verminephrobacter eiseniae EF01-2 | 1229 | 0.0 |
| **136** | 7180001699990 | Xanthobacter autotrophicus Py2 | 1032 | 0.0 |
| **137** | 7180001694788 | Bacillus | 1040 | 2.0E-41 |
| **138** | 7180001694799 | Bacillus | 1319 | 5.0E-69 |
| **139** | 7180001695508 | Bacillus | 1453 | 9.0E-61 |
| **140** | 7180001701798 | Bacillus | 1137 | 2.0E-23 |
| **141** | 7180001704400 | Bacillus | 1450 | 7.0E-47 |
| **142** | 7180001705088 | Bacillus | 1059 | 1.0E-24 |
| **143** | 7180001717872 | Bacillus | 1257 | 2.0E-41 |
| **144** | 7180001753746 | Bacillus | 1846 | 1.0E-32 |
| **145** | 7180001691764 | Acidovorax | 1195 | 9.0E-80 |
| **146** | 7180001691574 | Sideroxydans | 1096 | 1.0E-126 |
| **147** | 7180001758503 | Bovine herpesvirus | 1481 | 0.0 |
| **148** | 7180001773904 | Bovine herpesvirus | 2103 | 0.0 |
| **149** | 7180001827628 | Bovine herpesvirus | 1286 | 0.0 |
| **150** | 7180001876321 | Bovine herpesvirus | 1117 | 0.0 |
| **151** | 7180002000232 | Bovine herpesvirus | 3417 | 0.0 |
| **152** | 7180001701723 | Acinetobacter | 2205 | 3.0E-70 |
| **153** | 7180001701726 | Acinetobacter | 1526 | 6.0E-53 |
| **154** | 7180001702962 | Acinetobacter | 2270 | 3.0E-45 |
| **155** | 7180001702982 | Acinetobacter | 1212 | 0.0 |
| **156** | 7180001705725 | Acinetobacter | 1511 | 6.0E-57 |
| **157** | 7180001706662 | Acinetobacter | 1456 | 1.0E-151 |
| **158** | 7180001707276 | Acinetobacter | 2025 | 0.0 |
| **159** | 7180001707407 | Acinetobacter | 1218 | 3.0E-41 |
| **160** | 7180001712918 | Acinetobacter | 1901 | 9.0E-65 |
| **161** | 7180001715003 | Acinetobacter | 2141 | 0.0 |
| **162** | 7180001715158 | Acinetobacter | 1338 | 2.0E-63 |
| **163** | 7180001731947 | Acinetobacter | 3224 | 1.0E-110 |
| **164** | 7180001691874 | Pseudomonas | 1556 | 0.0 |
| **165** | 7180001696401 | Pseudomonas | 1660 | 1.0E-81 |
| **166** | 7180001700334 | Pseudomonas | 1212 | 4.0E-36 |
| **167** | 7180001721485 | Pseudomonas | 1119 | 2.0E-54 |
| **168** | 7180001697934 | Azospirillum | 1085 | 5.0E-88 |
| **169** | 7180001695500 | Sphingobium | 1177 | 1.0E-61 |
| **170** | 7180001692186 | Strenotrophomonas | 1365 | 6.0E-71 |
| **171** | 7180001701108 | Strenotrophomonas | 1059 | 4.0E-50 |
| **172** | 7180001711200 | Strenotrophomonas | 1159 | 3.0E-41 |
| **173** | 7180001719296 | Strenotrophomonas | 1051 | 2.0E-26 |