

| species                                      | avg_intra  | intra_d_max | n_intra | avg_inter   | inter_dmin_nn | n_inter | nearest_neighbor                   |
|----------------------------------------------|------------|-------------|---------|-------------|---------------|---------|------------------------------------|
| <i>Bactrocera abbreviata</i>                 | 0.00428621 | 0.008042895 | 153     | 0.144668553 | 0.003351206   | 56772   | ms07333.Bactrocera_bipustulata     |
| <i>Bactrocera abscondita</i>                 | N/A        | N/A         | 0       | 0.101805471 | 0.051574012   | 3171    | ms04523.Bactrocera_spMyanmar01     |
| <i>Bactrocera adamantea</i>                  | 0.02411253 | 0.034159411 | 21      | 0.116780271 | 0.077695914   | 22155   | ms11948.Bactrocera_spnMalaysia07   |
| <i>Bactrocera aeruginosa</i>                 | 0.00066979 | 0.000669792 | 1       | 0.116310304 | 0.102546917   | 6340    | ms08775.Bactrocera_moluccensis     |
| <i>Bactrocera aethriobasis</i>               | 0.02076356 | 0.020763563 | 1       | 0.129362963 | 0.111855325   | 6340    | ms03741.Bactrocera_zonata          |
| <i>Bactrocera albistrigata</i>               | 0.01769861 | 0.032819826 | 253     | 0.086148209 | 0.000669792   | 72427   | ms11142.Bactrocera_caledoniensis   |
| <b><i>Bactrocera allosticta</i> sp n</b>     | N/A        | N/A         | 0       | 0.128379273 | 0.102546917   | 3171    | ms03573.Bactrocera_gombokensis     |
| <i>Bactrocera alyxiae</i>                    | 0.00446528 | 0.004688547 | 3       | 0.118890172 | 0.103817816   | 9507    | ms05926.Bactrocera_zonata          |
| <i>Bactrocera amarambalensis</i>             | 0.00589417 | 0.008707301 | 15      | 0.099402751 | 0.079035499   | 18996   | ms04553.Bactrocera_abscondita      |
| <i>Bactrocera amplexiseta</i>                | 0.00066979 | 0.000669792 | 1       | 0.105055819 | 0.091823056   | 6340    | ms09118.Bactrocera_syzygii         |
| <i>Bactrocera apicofuscans</i>               | N/A        | N/A         | 0       | 0.105131055 | 0.093101139   | 3171    | ms10293.Bactrocera_carambolae      |
| <i>Bactrocera aquilonis</i>                  | 0.00707663 | 0.013404826 | 120     | 0.090126222 | 0.001339585   | 50496   | ms01517.Bactrocera_tryoni          |
| <i>Bactrocera aterrima</i>                   | N/A        | N/A         | 0       | 0.09879156  | 0.063672922   | 3171    | ms04539.Bactrocera_quadrata        |
| <i>Bactrocera atrifemur</i>                  | N/A        | N/A         | 0       | 0.103147652 | 0.030810449   | 3171    | ms04389.Bactrocera_dorsaloides     |
| <i>Bactrocera bancroftii</i>                 | 0.0031257  | 0.004688547 | 3       | 0.097252421 | 0.023442733   | 9507    | ms10489.Bactrocera_ochroma         |
| <i>Bactrocera bhutaniae</i>                  | 0.00601139 | 0.014354067 | 820     | 0.083583079 | 0.05870021    | 128371  | ms11148.Bactrocera_mucronis        |
| <i>Bactrocera biarcuata</i>                  | 0.00089351 | 0.001340483 | 3       | 0.111342279 | 0.090421969   | 9507    | ms11642.Bactrocera_obscurata       |
| <i>Bactrocera bimaculata</i>                 | 0.00600956 | 0.010723861 | 91      | 0.132356446 | 0.063672922   | 44212   | ms08675.Bactrocera_simulata        |
| <i>Bactrocera bipustulata</i>                | N/A        | N/A         | 0       | 0.144110692 | 0.003351206   | 3171    | ms12048.Bactrocera_abbreviata      |
| <i>Bactrocera bivittata</i>                  | 0.00293608 | 0.006702413 | 55      | 0.111343951 | 0.065013405   | 34771   | ms08978.Bactrocera_spMalaysia05    |
| <i>Bactrocera bryoniae</i>                   | 0.00178701 | 0.003351206 | 6       | 0.110534431 | 0.014745308   | 12672   | ms09154.Bactrocera_spSol12         |
| <i>Bactrocera buinensis</i>                  | 0.00167448 | 0.002679169 | 6       | 0.119465515 | 0.102546917   | 12672   | ms07797.Bactrocera_nigrita         |
| <i>Bactrocera cacuminata</i>                 | 0.01054199 | 0.021433356 | 45      | 0.059649652 | 0.010046885   | 31620   | ms08784.Bactrocera_parafraggatti   |
| <i>Bactrocera caledoniensis</i>              | 0.02042867 | 0.035498995 | 6       | 0.086741542 | 0.005358339   | 12672   | ms08820.Bactrocera_albistrigata    |
| <i>Bactrocera calophylli</i>                 | N/A        | N/A         | 0       | 0.11305941  | 0.098459478   | 3171    | ms10644.Bactrocera_raiensis        |
| <i>Bactrocera carambolae</i>                 | 0.00950828 | 0.018096515 | 3655    | 0.050150534 | 0             | 265396  | ms10194.Bactrocera_raiensis        |
| <i>Bactrocera ceylanica</i>                  | 0.012958   | 0.024798928 | 6       | 0.098869459 | 0.081044876   | 12672   | ms03769.Bactrocera_hantanae        |
| <i>Bactrocera clarifemur</i>                 | 0.00489251 | 0.009383378 | 136     | 0.147315618 | 0.040187542   | 53635   | ms12057.Bactrocera_pendleburyi     |
| <i>Bactrocera commensurata</i>               | 0.00545504 | 0.013708019 | 171     | 0.057084814 | 0.016075017   | 59907   | ms12139.Bactrocera_occipitalis     |
| <i>Bactrocera confluens</i>                  | N/A        | N/A         | 0       | 0.124692535 | 0.103286385   | 3171    | ms11632.Bactrocera_curvifera       |
| <i>Bactrocera connecta</i>                   | 0.0154244  | 0.02147651  | 6       | 0.171463823 | 0.08506363    | 12672   | ms11618.Bactrocera_splendida       |
| <i>Bactrocera continua</i>                   | N/A        | N/A         | 0       | 0.160536225 | 0.147197839   | 3171    | ms08964.Bactrocera_nigrotibialis   |
| <i>Bactrocera correcta</i>                   | 0.00840557 | 0.016075017 | 4753    | 0.089828764 | 0.055630027   | 301252  | ms05993.Bactrocera_zonata          |
| <i>Bactrocera curvifera</i>                  | N/A        | N/A         | 0       | 0.135244505 | 0.103286385   | 3171    | ms08785.Bactrocera_confluens       |
| <i>Bactrocera curvipennis</i>                | N/A        | N/A         | 0       | 0.089766679 | 0.01406564    | 3171    | ms01497.Bactrocera_tryoni          |
| <i>Bactrocera decumana</i>                   | 0.00335121 | 0.003351206 | 1       | 0.119165346 | 0.097855228   | 6340    | ms08584.Bactrocera_pseudodistincta |
| <i>Bactrocera digressa</i>                   | 0.00680956 | 0.009377093 | 6       | 0.100728489 | 0.047555258   | 12672   | ms03573.Bactrocera_gombokensis     |
| <i>Bactrocera dongnaiae</i>                  | 0.00725424 | 0.014745308 | 136     | 0.112809702 | 0.094504021   | 53635   | ms01294.Bactrocera_paraarecae      |
| <i>Bactrocera dorsalis</i>                   | 0.01032319 | 0.076407507 | 732655  | 0.07176343  | 0             | 2374771 | ms02018.Bactrocera_carambolae      |
| <i>Bactrocera dorsaoides</i>                 | 0.00066979 | 0.000669792 | 1       | 0.098158832 | 0.030810449   | 6340    | ms10372.Bactrocera_atrifemur       |
| <i>Bactrocera ebenea</i>                     | N/A        | N/A         | 0       | 0.120727119 | 0.103217158   | 3171    | ms09083.Bactrocera_hantanae        |
| <i>Bactrocera endiandrae</i>                 | 0.00835414 | 0.014735432 | 55      | 0.089720306 | 0.066353887   | 34771   | ms08612.Bactrocera_picea           |
| <i>Bactrocera enochra</i>                    | 0.00134003 | 0.002010724 | 6       | 0.11627171  | 0.103817816   | 12672   | ms01301.Bactrocera_kanchanaburi    |
| <i>Bactrocera epicharis</i>                  | 0.00312779 | 0.004021448 | 3       | 0.100588974 | 0.010053619   | 9507    | ms08425.Bactrocera_perkinsi        |
| <i>Bactrocera ernesti</i>                    | 0.00341297 | 0.003412969 | 1       | 0.148314526 | 0.131367292   | 6340    | ms05993.Bactrocera_zonata          |
| <i>Bactrocera fagraea</i>                    | 0.00281313 | 0.004018754 | 10      | 0.101047463 | 0.081044876   | 15835   | ms04561.Bactrocera_kraussi         |
| <i>Bactrocera finitima</i>                   | N/A        | N/A         | 0       | 0.09420353  | 0.048927614   | 3171    | ms08607.Bactrocera_froggatti       |
| <i>Bactrocera flavoscutellata</i>            | 0.00610514 | 0.012056263 | 45      | 0.091044306 | 0.065683646   | 31620   | ms12193.Bactrocera_spMalaysia10    |
| <i>Bactrocera frauenfeldi</i>                | 0.00963903 | 0.018096515 | 91      | 0.084748743 | 0.000669792   | 44212   | ms08445.Bactrocera_albistrigata    |
| <i>Bactrocera froggatti</i>                  | 0.00201072 | 0.002010724 | 1       | 0.09637942  | 0.048927614   | 6340    | ms11628.Bactrocera_finitima        |
| <i>Bactrocera fulvifacies</i>                | 0.00312929 | 0.004024145 | 3       | 0.144578707 | 0.075067024   | 9507    | ms08663.Bactrocera_spnSol06        |
| <i>Bactrocera fuscitibia</i>                 | 0.01057671 | 0.019138756 | 66      | 0.09211806  | 0.089752177   | 37920   | ms01797.Bactrocera_hantanae        |
| <i>Bactrocera fuscolobata</i>                | 0.00268097 | 0.002680965 | 1       | 0.087654422 | 0.044265594   | 6340    | ms12004.Bactrocera_quadrisetosa    |
| <b><i>Bactrocera geminosimulata</i> sp n</b> | 0.00379803 | 0.00536193  | 6       | 0.110926033 | 0.014745308   | 12672   | ms04500.Bactrocera_bryoniae        |
| <i>Bactrocera gombokensis</i>                | 0.00446925 | 0.007372654 | 21      | 0.09527491  | 0.047555258   | 22155   | ms04673.Bactrocera_digressa        |
| <i>Bactrocera hantanae</i>                   | 0.01471185 | 0.039544236 | 66      | 0.098290762 | 0.062960482   | 37920   | ms04542.Bactrocera_quadrata        |
| <i>Bactrocera hollingsworthi</i>             | N/A        | N/A         | 0       | 0.138282464 | 0.118632708   | 3171    | ms03769.Bactrocera_hantanae        |
| <i>Bactrocera holtmanni</i>                  | N/A        | N/A         | 0       | 0.113660379 | 0.075737265   | 3171    | ms12188.Bactrocera_limbifera       |
| <i>Bactrocera hyalina</i>                    | N/A        | N/A         | 0       | 0.143802628 | 0.130609511   | 3171    | ms12008.Bactrocera_kirki           |
| <i>Bactrocera illusioscutellaris</i>         | 0.00312689 | 0.004018754 | 3       | 0.115840051 | 0.104557641   | 9507    | ms10034.Bactrocera_dorsalis        |
| <i>Bactrocera jarvisi</i>                    | N/A        | N/A         | 0       | 0.104648693 | 0.088152327   | 3171    | ms11590.Bactrocera_psidii          |
| <i>Bactrocera kanchanaburi</i>               | 0.0087213  | 0.025469169 | 190     | 0.098862006 | 0.083948959   | 63040   | ms11877.Bactrocera_spBali01        |
| <i>Bactrocera kandiensis</i>                 | 0.01417579 | 0.073726542 | 3403    | 0.07972956  | 0             | 256387  | ms10959.Bactrocera_dorsalis        |
| <i>Bactrocera kinabalu</i>                   | 0.00100506 | 0.001340483 | 6       | 0.118332702 | 0.095844504   | 12672   | ms00894.Bactrocera_kirki           |
| <i>Bactrocera kirki</i>                      | 0.00415271 | 0.006697924 | 15      | 0.082255613 | 0.030140656   | 18996   | ms11136.Bactrocera_psidii          |
| <i>Bactrocera kohkongiae</i>                 | 0.00608806 | 0.015405224 | 190     | 0.113144402 | 0.077026122   | 63040   | ms01156.Bactrocera_sp105           |
| <b><i>Bactrocera kolombangarae</i> sp n</b>  | 0.00201072 | 0.002010724 | 1       | 0.144767798 | 0.036193029   | 6340    | ms12057.Bactrocera_pendleburyi     |
| <i>Bactrocera kraussi</i>                    | 0.00311789 | 0.005358339 | 55      | 0.084835473 | 0.056932351   | 34771   | ms04508.Bactrocera_neohumeralis    |
| <i>Bactrocera laithueiaie</i>                | 0.00513642 | 0.008037508 | 6       | 0.093482144 | 0.064969859   | 12672   | ms01164.Bactrocera_sp59            |
| <i>Bactrocera lateritaenia</i>               | 0.00856638 | 0.014075067 | 171     | 0.062623403 | 0.022103148   | 59907   | ms03540.Bactrocera_thailandica     |
| <i>Bactrocera latifrons</i>                  | 0.00445867 | 0.010723861 | 55      | 0.129855369 | 0.10924933    | 34771   | ms07255.Bactrocera_ritsemai        |
| <i>Bactrocera latilineola</i>                | 0.00457691 | 0.006697924 | 6       | 0.107477574 | 0.094440723   | 12672   | ms11778.Bactrocera_raiensis        |
| <i>Bactrocera limbifera</i>                  | 0.00855862 | 0.013404826 | 55      | 0.103891528 | 0.075737265   | 34771   | ms07776.Bactrocera_holtmanni       |

|                                            |            |             |      |             |             |                                         |
|--------------------------------------------|------------|-------------|------|-------------|-------------|-----------------------------------------|
| <i>Bactrocera linduensis</i>               | 0.00536193 | 0.008042895 | 3    | 0.112821078 | 0.038203753 | 9507 ms09154.Bactrocera_spSol12         |
| <i>Bactrocera manskii</i>                  | 0.00759098 | 0.010716678 | 3    | 0.086015767 | 0.014745308 | 9507 ms08579.Bactrocera_nigrescentis    |
| <i>Bactrocera mayi</i>                     | 0.00773982 | 0.013395847 | 36   | 0.106425603 | 0.006702413 | 28467 ms07732.Bactrocera_tenuifascia    |
| <i>Bactrocera mediorufula</i>              | 0.00200998 | 0.002679169 | 6    | 0.118917107 | 0.093101139 | 12672 ms01295.Bactrocera_paraarecae     |
| <i>Bactrocera megaspilus</i>               | N/A        | N/A         | 0    | 0.115185298 | 0.09919571  | 3171 ms08767.Bactrocera_spnSol08        |
| <i>Bactrocera melanogaster</i>             | 0.00067024 | 0.000670241 | 1    | 0.115945497 | 0.056970509 | 6340 ms07728.Bactrocera_tenuifascia     |
| <i>Bactrocera melanothoracica</i>          | 0.00230083 | 0.003462604 | 3    | 0.105264184 | 0.089082384 | 9507 ms04470.Bactrocera_frauenfeldi     |
| <i>Bactrocera melas</i>                    | 0.00468855 | 0.004688547 | 1    | 0.08723167  | 0.004018754 | 6340 ms04504.Bactrocera_tryoni          |
| <i>Bactrocera minax</i>                    | 0.00223354 | 0.002679169 | 3    | 0.177383015 | 0.099799062 | 9507 ms04754.Bactrocera_tsuneonis       |
| <i>Bactrocera minuta</i>                   | 0.00267917 | 0.002679169 | 1    | 0.110895374 | 0.0770819   | 6340 ms11150.Bactrocera_mucronis        |
| <i>Bactrocera moluccensis</i>              | 0.00368633 | 0.006032172 | 28   | 0.110192178 | 0.085790885 | 25312 ms08767.Bactrocera_spnSol08       |
| <i>Bactrocera morula</i>                   | N/A        | N/A         | 0    | 0.09338884  | 0.026809651 | 3171 ms03454.Bactrocera_nigrotibialis   |
| <i>Bactrocera mucronis</i>                 | 0.01555053 | 0.041928721 | 15   | 0.103512112 | 0.05870021  | 18996 ms01169.Bactrocera_bhutaniae      |
| <i>Bactrocera musae</i>                    | 0.00390712 | 0.007367716 | 36   | 0.061697094 | 0.02277294  | 28467 ms11843.Bactrocera_spBali01       |
| <i>Bactrocera neohumeralis</i>             | 0.01298653 | 0.020093771 | 36   | 0.087530152 | 0           | 28467 ms01497.Bactrocera_tryoni         |
| <i>Bactrocera neoxanthodes</i>             | N/A        | N/A         | 0    | 0.151987505 | 0.039517749 | 3171 ms11622.Bactrocera_paraxanthodes   |
| <i>Bactrocera nigrescentis</i>             | N/A        | N/A         | 0    | 0.08722358  | 0.014745308 | 3171 ms04491.Bactrocera_manskii         |
| <i>Bactrocera nigrifacia</i>               | 0.01290021 | 0.021447721 | 120  | 0.097220624 | 0.002680965 | 50496 ms07296.Bactrocera_nigrofemoralis |
| <i>Bactrocera nigrifascia</i>              | N/A        | N/A         | 0    | 0.115195451 | 0.075737265 | 3171 ms11948.Bactrocera_spnMalaysia07   |
| <i>Bactrocera nigrofemoralis</i>           | 0.0178731  | 0.024798928 | 3    | 0.097208935 | 0.002680965 | 9507 ms03813.Bactrocera_nigrifacia      |
| <i>Bactrocera nigrotibialis</i>            | 0.01442419 | 0.027461487 | 378  | 0.097872958 | 0.006028131 | 88032 ms07774.Bactrocera_nigrofemoralis |
| <i>Bactrocera niogreta</i>                 | N/A        | N/A         | 0    | 0.118050806 | 0.104557641 | 3171 ms07300.Bactrocera_ceylanica       |
| <i>Bactrocera obscurata</i>                | 0.00361688 | 0.006697924 | 10   | 0.101166413 | 0.078418231 | 15835 ms08867.Bactrocera_propinqua      |
| <i>Bactrocera occipitalis</i>              | 0.01078683 | 0.031522468 | 6670 | 0.055915827 | 0           | 354496 ms05498.Bactrocera_dorsalis      |
| <i>Bactrocera ochroma</i>                  | 0.00959294 | 0.018084394 | 190  | 0.099895717 | 0.023442733 | 63040 ms04622.Bactrocera_bancroftii     |
| <i>Bactrocera ochrosiae</i>                | 0.00204127 | 0.004018754 | 21   | 0.10248115  | 0.087073007 | 22155 ms03766.Bactrocera_amarambalensis |
| <i>Bactrocera oleae</i>                    | 0.00115815 | 0.002089136 | 6    | 0.144268106 | 0.128600134 | 12672 ms01295.Bactrocera_paraarecae     |
| <i>Bactrocera OTU5353</i>                  | 0.00941052 | 0.020763563 | 6555 | 0.04998574  | 0           | 351555 ms11734.Bactrocera_dorsalis      |
| <i>Bactrocera pagdeni</i>                  | 0.00089366 | 0.001340483 | 3    | 0.167693603 | 0.115281501 | 9507 ms11618.Bactrocera_splendida       |
| <i>Bactrocera pallida</i>                  | 0.00169717 | 0.002679169 | 15   | 0.067928211 | 0.016756032 | 18996 ms08448.Bactrocera_commensurata   |
| <i>Bactrocera paraarecae</i>               | 0.01845096 | 0.034182306 | 78   | 0.101163178 | 0.086461126 | 41067 ms07300.Bactrocera_ceylanica      |
| <i>Bactrocera parafroggatti</i>            | N/A        | N/A         | 0    | 0.059993828 | 0.010046885 | 3171 ms04630.Bactrocera_cacuminata      |
| <i>Bactrocera paranigrita</i>              | N/A        | N/A         | 0    | 0.139332714 | 0.109993293 | 3171 ms08785.Bactrocera_confluens       |
| <i>Bactrocera paraxanthodes</i>            | N/A        | N/A         | 0    | 0.147622492 | 0.039517749 | 3171 ms12005.Bactrocera_neoxanthodes    |
| <i>Bactrocera passiflorae</i>              | 0.00602813 | 0.006028131 | 1    | 0.09771599  | 0.07199424  | 6340 ms11146.Bactrocera_mucronis        |
| <i>Bactrocera pendleburyi</i>              | 0.00840839 | 0.014075067 | 55   | 0.14684167  | 0.036193029 | 34771 ms08663.Bactrocera_spnSol06       |
| <i>Bactrocera pepisalae</i>                | 0.0020105  | 0.003351206 | 6    | 0.126773548 | 0.105898123 | 12672 ms11631.Bactrocera_speculifera    |
| <i>Bactrocera perigrappa</i>               | 0.00446828 | 0.006032172 | 3    | 0.083181611 | 0.024128686 | 9507 ms10937.Bactrocera_dorsalis        |
| <i>Bactrocera perkinsi</i>                 | N/A        | N/A         | 0    | 0.096283315 | 0.010053619 | 3171 ms08657.Bactrocera_epicharis       |
| <i>Bactrocera pernigra</i>                 | 0.00737265 | 0.007372654 | 1    | 0.119833023 | 0.104557641 | 6340 ms07149.Bactrocera_paraarecae      |
| <i>Bactrocera picea</i>                    | 0.00335121 | 0.003351206 | 1    | 0.090461408 | 0.066353887 | 6340 ms04628.Bactrocera_endiandrae      |
| <i>Bactrocera propinqua</i>                | 0.01006312 | 0.019423979 | 990  | 0.092795688 | 0.073328541 | 140715 ms01250.Bactrocera_dorsalis      |
| <i>Bactrocera pseudocucurbitae</i>         | N/A        | N/A         | 0    | 0.137330051 | 0.117962466 | 3171 ms08601.Bactrocera_redunda         |
| <i>Bactrocera pseudodistincta</i>          | 0.00201072 | 0.002010724 | 1    | 0.100363101 | 0.078418231 | 6340 ms12010.Bactrocera_obscurata       |
| <i>Bactrocera psidii</i>                   | 0.00867541 | 0.012056263 | 21   | 0.080615652 | 0.022103148 | 22155 ms11144.Bactrocera_trilineola     |
| <i>Bactrocera quadrata</i>                 | 0.00535834 | 0.007367716 | 3    | 0.09794425  | 0.062960482 | 9507 ms08783.Bactrocera_atermii         |
| <i>Bactrocera quadrisetosa</i>             | 0.00402414 | 0.004024145 | 1    | 0.085231777 | 0.010731053 | 6340 ms03455.Bactrocera_quasiinfulata   |
| <b><i>Bactrocera quasienochra sp n</i></b> | N/A        | N/A         | 0    | 0.128634574 | 0.111930295 | 3171 ms12150.Bactrocera_spMalaysia11    |
| <i>Bactrocera quasiinfulata</i>            | 0.00602813 | 0.006028131 | 1    | 0.085973513 | 0.010731053 | 6340 ms12004.Bactrocera_quadrisetosa    |
| <i>Bactrocera raiensis</i>                 | 0.00795268 | 0.04822505  | 7626 | 0.049680721 | 0           | 377952 ms01272.Bactrocera_dorsalis      |
| <i>Bactrocera redunda</i>                  | 0.00134033 | 0.002010724 | 3    | 0.134158437 | 0.115874079 | 9507 ms03769.Bactrocera_hantanae        |
| <i>Bactrocera ritsemai</i>                 | N/A        | N/A         | 0    | 0.111508293 | 0.047587131 | 3171 ms12211.Bactrocera_linduensis      |
| <i>Bactrocera rubigina</i>                 | 0.00546259 | 0.016085791 | 3081 | 0.096978391 | 0.081714668 | 244347 ms06083.Bactrocera_zonata        |
| <i>Bactrocera selenophora</i>              | N/A        | N/A         | 0    | 0.070055614 | 0.036863271 | 3171 ms10318.Bactrocera_carambolae      |
| <i>Bactrocera sembaliensis</i>             | N/A        | N/A         | 0    | 0.091565603 | 0.076607387 | 3171 ms08579.Bactrocera_nigrescentis    |
| <i>Bactrocera silvicola</i>                | 0.00602813 | 0.006028131 | 1    | 0.114704071 | 0.083054253 | 6340 ms04675.Bactrocera_digressa        |
| <i>Bactrocera simulata</i>                 | 0.00589812 | 0.009383378 | 15   | 0.123098279 | 0.063672922 | 18996 ms01134.Bactrocera_bimaculata     |
| <i>Bactrocera sp105</i>                    | 0.00616399 | 0.010723861 | 55   | 0.127578104 | 0.077026122 | 34771 ms01145.Bactrocera_kohkongiae     |
| <i>Bactrocera sp59</i>                     | 0.0080408  | 0.011394102 | 3    | 0.091732358 | 0.064969859 | 9507 ms05345.Bactrocera_laithieui       |
| <i>Bactrocera spBali01</i>                 | 0.0070998  | 0.01138647  | 10   | 0.052387606 | 0.009377093 | 15835 ms09494.Bactrocera_dorsalis       |
| <i>Bactrocera speculifera</i>              | N/A        | N/A         | 0    | 0.138128392 | 0.105898123 | 3171 ms08590.Bactrocera_pepisalae       |
| <i>Bactrocera splendida</i>                | N/A        | N/A         | 0    | 0.168951618 | 0.08506363  | 3171 ms06239.Bactrocera_connecta        |
| <i>Bactrocera spMalaysia04</i>             | N/A        | N/A         | 0    | 0.072737836 | 0.03683858  | 3171 ms11877.Bactrocera_spBali01        |
| <i>Bactrocera spMalaysia05</i>             | 0.00401875 | 0.004018754 | 1    | 0.121485995 | 0.065013405 | 6340 ms06280.Bactrocera_bivittata       |
| <i>Bactrocera spMalaysia10</i>             | 0.00401875 | 0.004018754 | 1    | 0.086237486 | 0.065683646 | 6340 ms06246.Bactrocera_flavoscutellata |
| <i>Bactrocera spMalaysia11</i>             | 0.00603217 | 0.006032172 | 1    | 0.108795267 | 0.080375084 | 6340 ms07978.Bactrocera_gombakensis     |
| <i>Bactrocera spMalaysia14</i>             | 0.00440917 | 0.010046885 | 378  | 0.057590881 | 0.016744809 | 88032 ms07629.Bactrocera_carambolae     |
| <i>Bactrocera spMyanmar01</i>              | N/A        | N/A         | 0    | 0.095616604 | 0.049564635 | 3171 ms03791.Bactrocera_zonata          |
| <i>Bactrocera spnMalaysia03</i>            | 0.00669792 | 0.008707301 | 3    | 0.106614146 | 0.0877428   | 9507 ms12008.Bactrocera_kiriki          |
| <i>Bactrocera spnMalaysia07</i>            | 0.00669792 | 0.006697924 | 1    | 0.109766246 | 0.075737265 | 6340 ms07797.Bactrocera_nigrita         |
| <i>Bactrocera spnMalaysia08</i>            | N/A        | N/A         | 0    | 0.09720425  | 0.052243804 | 3171 ms04673.Bactrocera_digressa        |
| <i>Bactrocera spnMalaysia09</i>            | N/A        | N/A         | 0    | 0.111692602 | 0.095174263 | 3171 ms09108.Bactrocera_limbifera       |
| <i>Bactrocera spnSol08</i>                 | N/A        | N/A         | 0    | 0.098952301 | 0.078418231 | 3171 ms09083.Bactrocera_hantanae        |
| <i>Bactrocera syzygii</i>                  | 0.0074791  | 0.017426273 | 1891 | 0.10186599  | 0.084831057 | 192820 ms08867.Bactrocera_propinqua     |

|                                        |            |             |       |             |             |        |                                    |
|----------------------------------------|------------|-------------|-------|-------------|-------------|--------|------------------------------------|
| <i>Bactrocera tenuifascia</i>          | 0.00793978 | 0.014075067 | 78    | 0.104559046 | 0.006702413 | 41067  | ms04618.Bactrocera_mayi            |
| <i>Bactrocera thailandica</i>          | 0.00142938 | 0.002680965 | 105   | 0.062647752 | 0.022103148 | 47355  | ms03763.Bactrocera_lateritaenia    |
| <i>Bactrocera trilineola</i>           | 0.00640024 | 0.012056263 | 36    | 0.086642323 | 0.005358339 | 28467  | ms11141.Bactrocera_caledoniensis   |
| <i>Bactrocera tryoni</i>               | 0.01205067 | 0.02545211  | 325   | 0.088835405 | 0           | 81796  | ms07722.Bactrocera_aquilonis       |
| <b><i>Bactrocera tsatsiae sp n</i></b> | 0.00201072 | 0.002010724 | 1     | 0.126648561 | 0.107908847 | 6340   | ms10786.Bactrocera_hantanae        |
| <i>Bactrocera tsuneonis</i>            | 0.00267917 | 0.002679169 | 1     | 0.173966838 | 0.099799062 | 6340   | ms12078.Bactrocera_minax           |
| <i>Bactrocera tuberculata</i>          | 0.00685414 | 0.016075017 | 378   | 0.083912771 | 0.05961152  | 88032  | ms07143.Bactrocera_OTU5353         |
| <i>Bactrocera umbrosa</i>              | 0.01324608 | 0.024128686 | 351   | 0.124405963 | 0.10731053  | 84915  | ms07300.Bactrocera_ceylanica       |
| <i>Bactrocera unifasciata</i>          | 0.00442323 | 0.00536193  | 10    | 0.091869318 | 0.057602143 | 15835  | ms04491.Bactrocera_manskii         |
| <i>Bactrocera unimacula</i>            | 0.00809577 | 0.016104294 | 28    | 0.110120332 | 0.087073007 | 25312  | ms01800.Bactrocera_amarambalensis  |
| <i>Bactrocera usitata</i>              | 0.01519394 | 0.030160858 | 190   | 0.093193251 | 0.029490617 | 63040  | ms04491.Bactrocera_manskii         |
| <b><i>Bactrocera vargasi sp n</i></b>  | 0.00938338 | 0.012064343 | 3     | 0.101742218 | 0.072386059 | 9507   | ms03455.Bactrocera_quasiinfulata   |
| <i>Bactrocera visenda</i>              | 0.00267917 | 0.002679169 | 1     | 0.144139472 | 0.131949096 | 6340   | ms04605.Bactrocera_melanothoracica |
| <i>Bactrocera wuzhishana</i>           | 0.003441   | 0.008713137 | 153   | 0.107610702 | 0.088412592 | 56772  | ms12071.Bactrocera_frauenfeldi     |
| <i>Bactrocera xanthodes</i>            | 0.00089306 | 0.001339585 | 3     | 0.155801406 | 0.113864702 | 9507   | ms12005.Bactrocera_neoxanthodes    |
| <i>Bactrocera zonata</i>               | 0.01242535 | 0.02545211  | 21528 | 0.090529688 | 0.049564635 | 616512 | ms04523.Bactrocera_spMyanmar01     |