Table S1. Codes and accession numbers of the genetic sequences used in consensus phylogeny tree, showed in Figure 2. The sequences are grouped according with highest similarity at nucleotides level of both loci found in *Pseudomonas chlororaphis* PCL1606 assembled chromosome (PCL1606\_20530 and PCL1606\_41090, respectively). Percentage of coverage and identity have been obtained by blastn comparison.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  | **Nucleotic Sequences similar to PCL1606\_20530** | **Nucleotic Sequences similar to PCL1606\_41090** |
| Bacteria | Strain | Accession number | Locus\_tag | Protein id | Coverage % | Identity | Locus\_tag | Protein id | Coverage % | Identity |
| **Genus *Pseudomonas*** |  |  |  |  |  |  |  |  |
| *Pseudomonas sp* | R1-43-08 | CP027734.1 |  |  |  |  | C4J87\_3655 | AZF43797.1 | 99 | 86.18 |
| *Pseudomonas sp* | R3-52-08 | CP027730.1 |  |  |  |  | C4J91\_3971 | AZF22704.1 | 99 | 86.62 |
| *Pseudomonas sp* | R4-34-07 | CP027760.1 |  |  |  |  | C4J85\_3921 | AZF54389.1 | 99 | 86.30 |
| *Pseudomonas sp* | CMR12a | CP027706.1 |  |  |  |  | C4K39\_2027 | AZC23711.1 | 99 | 88.24 |
| *Pseudomonas sp* | LBUM920 | CP027762.1 |  |  |  |  | C4J83\_4421 | AZF65393.1 | 99 | 85.79 |
| **Species of *Pseudomonas***  |  |  |  |  |  |  |  |  |
| *Ps. orientalis* | R4-35-08 | CP027726.1 |  |  |  |  | C4J95\_3844 | AZF01289.1 | 99 | 87.08 |
| *Ps. chlororaphis* | B25 | CP027753.1 |  |  |  |  | C4K04\_2213 | AZE47896.1 | 99 | 94.25 |
| *Ps. chlororaphis*1 | PCL1606 | NZ\_CP011110.1 | PCL1606\_20530 | WP\_044464188.1 | 100 | 100 | PCL1606\_41090 | WP\_044462163.1 | 100 | 100 |
| *Ps. chlororaphis* | Pb-St2 | CP027716.1 | C4K23\_4048 | AZD30789.1 | 100 | 91.51 | C4K23\_1910 | AZD28670.1 | 99 | 94.37 |
| *Ps. chlororaphis* | ATCC17415 | CP027714.1 | C4K25\_4084 | AZD17004.1 | 100 | 91.51 | C4K25\_1943 | AZD28670.1 | 99 | 94.37 |
| *Ps. chlororaphis* | PCL1601 | GCF\_001921865.1 | PCL1601\_05817 | WP\_075120806.1 | 100 | 90.42 | PCL1601\_00155 | WP\_075118824.1 | 99 | 95.33 |
| *Ps. chlororaphis* | 189 | CP014867.1 | A3218\_22750 | AMS16982.1 | 100 | 91.76 | A3218\_02970 | AMS13316.1 | 99 | 94.44 |
| *Ps. chlororaphis* | ATCC13985 | LT629738.1 | SAMN04489803\_1236 | SDS36014.1 | 100 | 91.76 | SAMN04489803\_3667 | SDT28774.1 | 99 | 94.50 |
| *Ps. chlororaphis* | LMG21630 | LT629747.1 | SAMN04489802\_2008 | SDS68319.1 | 100 | 91.89 | SAMN04489802\_4550 | SDT44975.1 | 99 | 94.50 |
| *Ps. chlororaphis* | PA23 | CP008696.1 | EY04\_20910 | AIC21279.1 | 100 | 91.70 | EY04\_09280 | AIC19087.1 | 99 | 94.57 |
| **subspecies of *Pseudomonas chlororaphis*** |  |  |  |  |  |  |  |  |
| *Pc. aurantiaca* | CW2 | CP027743.1 | C4K20\_4305 | AZD49711.1 | 100 | 92.15 | C4K20\_1986 | AZD47411.1 | 99 | 94.44 |
| *Pc. aurantiaca* | DSM19603 | CP027746.1 | C4K17\_4521 | AZD68398.1 | 100 | 91,89 | C4K17\_1955 | AZD65851.1 | 99 | 94.50 |
| *Pc. aurantiaca* | 464 | CP027742.1 | C4K21\_4405 | AZD43470.1 | 100 | 91.76 | C4K21\_2046 | AZD41130.1 | 99 | 94.76 |
| *Pc. aurantiaca* | JD37 | CP009290.1 | JM49\_10315 | AIS12060.1 | 100 | 91.57 | JM49\_20570 | AIS13955.1 | 99 | 94.63 |
| *Pc. aurantiaca* | StFRB508 | AP014623.1 | PCAU\_4117 | BAV76326.1 | 100 | 92.15 | PCAU\_1764 | BAV73973.1 | 99 | 94.57 |
| *Pc. piscium* | ChPhzS135 | CP027738.1 | C4K31\_4271 | AZC77165.1 | 100 | 92.08 | C4K31\_1968 | AZC74881.1 | 99 | 94.18 |
| *Pc. piscium* | SLPH10 | CP027710.1 | C4K35\_4459 | AZC52033.1 | 100 | 92.08 | C4K35\_2023 | AZC49616.1 | 99 | 94.18 |
| *Pc. piscium* | PCL1607 | CP027737.1 | C4K32\_4286 | AZC70939.1 | 100 | 92.08 | C4K32\_2021 | AZC68693.1 | 99 | 94.18 |
| *Pc. piscium* | PCL1391 | CP027736.1 | C4K33\_4216 | AZC64699.1 | 100 | 92.08 | C4K33\_1954 | AZC62456.1 | 99 | 94.05 |
| *Pc. piscium* | ToZa7 | CP027739.1 | C4K30\_4273 | AZC83378.1 | 100 | 92.08 | C4K30\_1975 | AZC81099.1 | 99 | 94.05 |
| *Pc. piscium* | ZJU60 | CP027656.1 | C6Q18\_20390 | AVO60214.1 | 100 | 92.02 | C6Q18\_09505 | AVO58196.1 | 99 | 93.99 |
| *Pc. aureofaciens* | ChPhzS23 | CP027748.1 | C4K09\_4044 | AZE18496.1 | 100 | 91.83 | C4K09\_1905 | AZE16376.1 | 99 | 94.50 |
| *Pc. aureofaciens* | ChPhzTR18 | CP027751.1 | C4K06\_6399 | Non functional | 100 | 91.83 | C4K06\_1975 | AZE35018.1 | 99 | 94.57 |
| *Pc. aureofaciens* | ChPhzTR36 | CP027721.1 | C4K12\_4357 | AZE00215.1 | 100 | 91.63 | C4K12\_2032 | AZD97908.1 | 99 | 94.50 |
| *Pc. aureofaciens* | ChPhzTR38 | CP027752.1 | C4K05\_6425 | Non functional | 100 | 91.89 | C4K05\_2028 | AZE41378.1 | 99 | 94.57 |
| *Pc. aureofaciens* | 66 | CP027747.1 | C4K10\_4246 | AZE12517.1 | 100 | 91.57 | C4K10\_2015 | AZE10305.1 | 99 | 94.63 |
| *Pc. aureofaciens* | P2 | CP027719.1 | C4K14\_4646 | AZD87461.1 | 100 | 91.70 | C4K14\_2030 | AZD84864.1 | 99 | 94.50 |
| *Pc. aureofaciens* | DSM6698 | CP027720.1 | C4K13\_4499 | AZD93907.1 | 100 | 91.76 | C4K13\_2027 | AZD91454.1 | 99 | 94.50 |

1. In gray, data obtained from under study strain, PCL1606, and its two loci PCL1606\_20530 and PCL1606\_41090 with which all the loci used in this table have been compared