|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample Number | Species | Assembly size | No. of BGCs | Normalized BGCs (/assembly size) | Normalized BGCs \*10ˆ6 | Total | NRPS-like, betalactone | hserlactone | NRPS-like | NRPS | Phenazine | NRPS, phenazine | RiPP-like | Thiopeptide | NAGGN | redox-cofactor | Arylpolyene | NRPS, hserlactone | RRE-containing |
| S26 | *Pseudomonas aeruginosa* | 6843075 | 17 | 2.48426E-06 | 2.484263288 | 17 | 1 | 2 | 2 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| S30 | *Pseudomonas aeruginosa* | 6663607 | 19 | 2.85131E-06 | 2.851308608 | 19 | 1 | 2 | 3 | 7 | 2 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| S31 | *Pseudomonas aeruginosa* | 9842615 | 22 | 2.23518E-06 | 2.235178355 | 22 | 1 | 2 | 2 | 8 | 1 | 0 | 4 | 1 | 1 | 1 | 0 | 0 | 0 |
| S32 | *Pseudomonas aeruginosa* | 6826487 | 18 | 2.63679E-06 | 2.636788146 | 18 | 1 | 2 | 2 | 7 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| S47 | *Pseudomonas aeruginosa* | 6668636 | 18 | 2.6992E-06 | 2.699202656 | 18 | 1 | 2 | 1 | 7 | 2 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| S57 | *Pseudomonas aeruginosa* | 7081134 | 23 | 3.24807E-06 | 3.248067329 | 23 | 1 | 2 | 2 | 10 | 1 | 0 | 4 | 1 | 1 | 1 | 0 | 0 | 0 |
| S58 | *Pseudomonas aeruginosa* | 6677055 | 17 | 2.54603E-06 | 2.546032645 | 17 | 1 | 2 | 2 | 6 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| S59 | *Pseudomonas aeruginosa* | 6728448 | 16 | 2.37796E-06 | 2.377962942 | 16 | 0 | 2 | 2 | 5 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| S60 | *Pseudomonas aeruginosa* | 8466074 | 21 | 2.48049E-06 | 2.480488595 | 21 | 0 | 2 | 2 | 8 | 1 | 0 | 4 | 1 | 1 | 1 | 0 | 0 | 0 |
| S65 | *Pseudomonas aeruginosa* | 6704216 | 17 | 2.53572E-06 | 2.535717823 | 17 | 1 | 2 | 2 | 6 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| S73 | *Pseudomonas aeruginosa* | 2075545 | 4 | 1.9272E-06 | 1.927204662 | 4 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| S74 | *Pseudomonas aeruginosa* | 6794523 | 23 | 3.38508E-06 | 3.385079424 | 23 | 1 | 1 | 5 | 10 | 1 | 0 | 3 | 0 | 1 | 1 | 0 | 0 | 0 |
| S75 | *Pseudomonas aeruginosa* | 6864710 | 19 | 2.76778E-06 | 2.767778974 | 19 | 1 | 2 | 2 | 9 | 2 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| S79 | *Pseudomonas aeruginosa* | 7166733 | 17 | 2.37207E-06 | 2.372071068 | 17 | 1 | 2 | 1 | 6 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| S85 | *Pseudomonas aeruginosa* | 6848033 | 15 | 2.19041E-06 | 2.190410005 | 15 | 1 | 2 | 2 | 5 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| S64 | *Pseudomonas aeruginosa* | 6274533 | 20 | 3.18749E-06 | 3.187488216 | 20 | 1 | 2 | 2 | 7 | 2 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| S50 | *Pseudomonas aeruginosa* | 7550973 | 25 | 3.31083E-06 | 3.310831597 | 25 | 1 | 3 | 3 | 9 | 1 | 0 | 4 | 1 | 1 | 1 | 1 | 0 | 0 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample Number | Species | Siderophore | NAPAA | Ranthipeptide | NRPS, NRPS-like, betalactone | Betalactone | Lanthipeptide-class-V | NRPS, arylpolyene, hserlactone | LAP, thiopeptide | Resorcinol | NRPS-like, T1PKS | Ectoine | Terpene | NAPAA, betalactone | Lanthipeptide-class-II | Lassopeptide | CDPS | NRPS, NRPS-like | LAP | Phosphonate | T1PKS | NRPS, T1PKS |
| S26 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S30 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S31 | *Pseudomonas aeruginosa* | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S32 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S47 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S57 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S58 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S59 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S60 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S65 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S73 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S74 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S75 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S79 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S85 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S64 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| S50 | *Pseudomonas aeruginosa* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample Number | Species | Assembly size | No. of BGCs | Normalized BGCs (/assembly size) | Normalized BGCs \*10ˆ6 | Total | NRPS-like, betalactone | hserlactone | NRPS-like | NRPS | Phenazine | NRPS, phenazine | RiPP-like | Thiopeptide | NAGGN | redox-cofactor | Arylpolyene | NRPS, hserlactone | RRE-containing | Siderophore |
| S7 | *Acinetobacter baumannii* | 3891481 | 7 | 1.7988E-06 | 1.798801022 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 1 |
| S8 | *Acinetobacter baumannii* | 3815181 | 7 | 1.83478E-06 | 1.834775336 | 7 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| S9 | *Acinetobacter baumannii* | 3947328 | 5 | 1.26668E-06 | 1.266679637 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| S10 | *Acinetobacter baumannii* | 3855523 | 6 | 1.55621E-06 | 1.556209106 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| S12 | *Acinetobacter baumannii* | 4167555 | 6 | 1.43969E-06 | 1.439693057 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 |
| S13 | *Acinetobacter baumannii* | 3967988 | 7 | 1.76412E-06 | 1.764118238 | 7 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| S14 | *Acinetobacter baumannii* | 3846175 | 6 | 1.55999E-06 | 1.55999142 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 |
| S15 | *Acinetobacter baumannii* | 4055726 | 7 | 1.72595E-06 | 1.72595486 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 |
| S17 | *Acinetobacter baumannii* | 1708633 | 5 | 2.92632E-06 | 2.92631595 | 4 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| S29 | *Acinetobacter baumannii* | 3848870 | 6 | 1.5589E-06 | 1.558899105 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 |
| S44 | *Acinetobacter baumannii* | 1232368 | 1 | 8.11446E-07 | 0.811445932 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| S45 | *Acinetobacter baumannii* | 3829331 | 7 | 1.828E-06 | 1.827995543 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 |
| S46 | *Acinetobacter baumannii* | 3721761 | 10 | 2.6869E-06 | 2.686900099 | 10 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 3 |
| S51 | *Acinetobacter baumannii* | 3924229 | 7 | 1.78379E-06 | 1.783789886 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 |
| S53 | *Acinetobacter baumannii* | 4113432 | 7 | 1.70174E-06 | 1.701742 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 |
| S55 | *Acinetobacter baumannii* | 3926390 | 7 | 1.78281E-06 | 1.782808127 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 1 |
| S56 | *Acinetobacter Baumannii* | 3900808 | 5 | 1.28179E-06 | 1.281785722 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| S86 | *Acinetobacter baumannii* | 3871320 | 6 | 1.54986E-06 | 1.549858963 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 |
| S87 | *Acinetobacter baumannii* | 3962593 | 9 | 2.27124E-06 | 2.271240069 | 9 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 4 |
| S88 | *Acinetobacter baumannii* | 4110889 | 7 | 1.70279E-06 | 1.7027947 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 |
| S89 | *Acinetobacter baumannii* | 4231440 | 5 | 1.18163E-06 | 1.18163084 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample Number | Species | NAPAA | Ranthipeptide | NRPS, NRPS-like, betalactone | Betalactone | Lanthipeptide-class-V | NRPS, arylpolyene, hserlactone | LAP, thiopeptide | Resorcinol | NRPS-like, T1PKS | Ectoine | Terpene | NAPAA, betalactone | Lanthipeptide-class-II | Lassopeptide | CDPS | NRPS, NRPS-like | LAP | Phosphonate | T1PKS | NRPS, T1PKS |
| S7 | *Acinetobacter baumannii* | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S8 | *Acinetobacter baumannii* | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S9 | *Acinetobacter baumannii* | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S10 | *Acinetobacter baumannii* | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S12 | *Acinetobacter baumannii* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S13 | *Acinetobacter baumannii* | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S14 | *Acinetobacter baumannii* | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S15 | *Acinetobacter baumannii* | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S17 | *Acinetobacter baumannii* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S29 | *Acinetobacter baumannii* | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S44 | *Acinetobacter baumannii* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S45 | *Acinetobacter baumannii* | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S46 | *Acinetobacter baumannii* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S51 | *Acinetobacter baumannii* | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S53 | *Acinetobacter baumannii* | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S55 | *Acinetobacter baumannii* | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S56 | *Acinetobacter Baumannii* | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S86 | *Acinetobacter baumannii* | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S87 | *Acinetobacter baumannii* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S88 | *Acinetobacter baumannii* | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S89 | *Acinetobacter baumannii* | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample Number | Species | Assembly size | No. of BGCs | Normalized BGCs (/assembly size) | Normalized BGCs \*10ˆ6 | Total | NRPS-like, betalactone | hserlactone | NRPS-like | NRPS | Phenazine | NRPS, phenazine | RiPP-like | Thiopeptide | NAGGN | redox-cofactor | Arylpolyene | NRPS, hserlactone | RRE-containing | Siderophore | NAPAA |
| S1 | *Klebsiella pneumoniae* | 5583362 | 5 | 8.95518E-07 | 0.89551779 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| S2 | *Klebsiella pneumoniae* | 5390172 | 5 | 9.27614E-07 | 0.927614184 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S3 | *Klebsiella pneumoniae* | 5725919 | 5 | 8.73222E-07 | 0.873222272 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| S4 | *Klebsiella pneumoniae* | 4005258 | 4 | 9.98687E-07 | 0.998687226 | 4 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S5 | *Klebsiella pneumoniae* | 5608554 | 8 | 1.42639E-06 | 1.426392614 | 8 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| S6 | *Klebsiella pneumoniae* | 5883176 | 9 | 1.52979E-06 | 1.529785952 | 9 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| S18 | *Klebsiella pneumoniae* | 3272507 | 4 | 1.2223E-06 | 1.22230449 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| S19 | *Klebsiella pneumoniae* | 5665473 | 5 | 8.82539E-07 | 0.882538845 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| S20 | *Klebsiella pneumoniae* | 5640402 | 7 | 1.24105E-06 | 1.241046294 | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| S21 | *Klebsiella pneumoniae* | 4361653 | 2 | 4.58542E-07 | 0.45854175 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S22 | *Klebsiella pneumoniae* | 4342802 | 3 | 6.90798E-07 | 0.690798245 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| S23 | *Klebsiella pneumoniae* | 5695285 | 6 | 1.0535E-06 | 1.053503029 | 6 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| S24 | *Klebsiella pneumoniae* | 5645588 | 6 | 1.06278E-06 | 1.062776809 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| S35 | *Klebsiella pneumoniae* | 5653990 | 6 | 1.0612E-06 | 1.061197491 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| S36 | *Klebsiella pneumoniae* | 4980012 | 5 | 1.00401E-06 | 1.004013645 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| S48 | *Klebsiella pneumoniae* | 5599452 | 4 | 7.14356E-07 | 0.714355619 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| S49 | *Klebsiella pneumoniae* | 5538774 | 5 | 9.02727E-07 | 0.902726849 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| S61 | *Klebsiella pneumoniae* | 5688701 | 6 | 1.05472E-06 | 1.054722335 | 6 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| S63 | *Klebsiella pneumoniae* | 4739896 | 7 | 1.47683E-06 | 1.476825652 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| S66 | *Klebsiella pneumoniae* | 2593540 | 2 | 7.71147E-07 | 0.771146772 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S69 | *Klebsiella pneumoniae* | 5423947 | 5 | 9.21838E-07 | 0.921837916 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| S70 | *Klebsiella pneumoniae* | 5487547 | 7 | 1.27562E-06 | 1.275615498 | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| S71 | *Klebsiella pneumoniae* | 1664423 | 5 | 3.00404E-06 | 3.004044044 | 5 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| S72 | *Klebsiella pneumoniae* | 2301079 | 5 | 2.17289E-06 | 2.172893673 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 |
| S77 | *Klebsiella pneumoniae* | 1112924 | 1 | 8.98534E-07 | 0.898533952 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| S78 | *Klebsiella pneumoniae* | 5324168 | 8 | 1.50258E-06 | 1.502582187 | 8 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| S83 | *Klebsiella pneumoniae* | 5969121 | 6 | 1.00517E-06 | 1.005173123 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| S84 | *Klebsiella pneumoniae* | 5911818 | 5 | 8.45764E-07 | 0.84576352 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample Number | Species | Ranthipeptide | NRPS, NRPS-like, betalactone | Betalactone | Lanthipeptide-class-V | NRPS, arylpolyene, hserlactone | LAP, thiopeptide | Resorcinol | NRPS-like, T1PKS | Ectoine | Terpene | NAPAA, betalactone | Lanthipeptide-class-II | Lassopeptide | CDPS | NRPS, NRPS-like | LAP | Phosphonate | T1PKS | NRPS, T1PKS |
| S1 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S2 | *Klebsiella pneumoniae* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| S3 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| S4 | *Klebsiella pneumoniae* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S5 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| S6 | *Klebsiella pneumoniae* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| S18 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S19 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S20 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| S21 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S22 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S23 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S24 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| S35 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| S36 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S48 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S49 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S61 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S63 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| S66 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S69 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S70 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| S71 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S72 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S77 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S78 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| S83 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| S84 | *Klebsiella pneumoniae* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |