WP3-ASSAM ISOLATES:-AMR profile, virulence and epidemiological typing

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl No | Sample ID | Organism | Study site | Phenotypic resistance profile ǂ  | *mecA* gene | Toxin genes | SCC*mec* type |
| 1 | S1A12 (1) | *S. haemolyticus* | Site 1 | AMP-CFZ-FOX-GEN-OXA-PEN-SXT | + | Nil | NA\* |
| 2 | S1A14 (2) | *S. saprophyticus* | Site 1 | AMP-CFZ-FOX-CLI-ERY-OXA-PEN | + | *seb, seg, sei* | NA\* |
| 3 | S1A14 (5) | *S. sciuri* | Site 1 | AMP-CFZ-FOX-CLI-ERY-OXA-PEN | + | *seb, seg, sei* | NA\* |
| 4 | S1A17 (5) | *S. sciuri* | Site 1 | AMP-CFZ-FOX-CLI-ERY-GEN-NOR-OXA-PEN-RIF-TET(I) | + | *sea, seb, seg, sei* | NA\* |
| 5 | S2A1 (4) | *S. gallinarum* | Site 2 | AMP-CFZ-FOX-OXA-PEN | + | *seb* | NA\* |
| 6 | S2A2 (4) | *S. sciuri* | Site 2 | AMP-CFZ-FOX-CLI(I)-OXA-PEN | + | *seb, seg, sei* | NA\* |
| 7 | S2A5 (2) | *S. aureus* | Site 2 | AMP-CLI-ERY-NOR-PEN | - | *seb, seg, sei* | NA\* |
| 8 | S2A6 (1) | *S. sciuri* | Site 2 | AMP-CFZ-FOX-CLI(I)-OXA-PEN | + | *seb, seg, sei* | NA\* |
| 9 | S2A8 (5) | *S. aureus* | Site 2 | AMP-CLI-ERY-NOR-PEN | - | *seb, seg, sei* | NA\* |
| 10 | S2A10 (2) | *S. lentus* | Site 2 | AMP-CFZ-FOX-CLI-ERY-OXA-PEN-SXT | + | *seb, seg, sei* | NA\* |
| 11 | S2A10 (4) | *S. gallinarum* | Site 2 | AMP-CFZ-FOX-OXA-PEN | + | *seg, sei* | NA\* |
| 12 | S2A11 (2) | *S. sciuri* | Site 2 | AMP-CFZ-FOX-CLI(I)-OXA-PEN | + | *seb, seg, sei* | NA\* |
| 13 | S2A14 (1) | *S. aureus* | Site 2 | AMP-CFZ-FOX-CLI-ERY-NOR-OXA-PEN | + | *seb, seg, sei* | NA\* |
| 14 | S2A20 (5) | *S. sciuri* | Site 2 | AMP-CFZ-FOX-CLI(I)-OXA-PEN | + | *seb, seg, sei* | NA\* |
| 15 | S3A1 (4) | *S. heamolyticus* | Site 3 | AMP-CFZ-FOX-CLI-ERY-GEN(I)-NOR-OXA-PEN | + | *seg, sei* | NA\* |
| 16 | S3A5 (2) | *S. xylosus* | Site 3 | AMP-CFZ-FOX-CLI-OXA-PEN | + | *seb, seg, sei* | NA\* |
| 17 | S3A9 (1) | *S. haemolyticus* | Site 3 | AMP-CFZ-FOX-GEN-OXA-PEN | + | *seb, seg, sei* | Type V |
| 18 | S3A16 (2) | *S. sciuri* | Site 3 | AMP-CFZ-FOX-CLI(I)-OXA-PEN | + | *seb* | NA\* |
| 19 | S3A23 (4) | *S. heamolyticus* | Site 3 | AMP-CFZ-FOX-GEN-OXA-PEN-SXT | + | *seb, seg, sei* |  Type V |
| 20 | S3A23 (5) | *S. gallinarum* | Site 3 | AMP-CFZ-FOX-OXA-PEN-TEC(I) | + | *seg, sei* | NA\* |
| 21 | S3A26 (2) | *S. haemolyticus* | Site 3 | AMP-CFZ-FOX-CLI-ERY-NOR-OXA-PEN-TET(I) | + | *seb, seg, sei* | NA\* |
| 22 | S3A27 (4) | *S. haemolyticus* | Site 3 | AMP-CFZ-FOX-GEN-OXA-PEN-SXT | + | *seb, seg, sei* | NA\* |
| 23 | S3A29 (1) | *S. haemolyticus* | Site 3 | AMP-CFZ-FOX-CLI-ERY-GEN(I)-NOR-OXA-PEN-TET(I) | + | *seb, seg, sei* | Type V |
| 24 | S3A29 (4) | *S. sciuri* | Site 3 | AMP-CFZ-FOX-CLI-ERY-GEN(I)-NOR-OXA-PEN-RIF-TET | + | *seb, seg, sei* | NA\* |
| 25 | S3A32 (1) | *S. haemolyticus* | Site 3 | AMP-CFZ-FOX-GEN-OXA-PEN-SXT | + | *seb, seg, sei* | Type V |
| 26 | S3A33 (3) | *S. haemolyticus* | Site 3 | AMP-CFZ-FOX-GEN-OXA-PEN-SXT | + | *seg, sei* | Type V |
| 27 | S3A34 (2) | *S. haemolyticus* | Site 3 | AMP-CFZ-FOX-GEN(I)-NOR-OXA-PEN | + | Nil |  |
| 28 | S3A35 (4) | *S. haemolyticus* | Site 3 | AMP-CFZ-FOX-CLI-ERY-GEN(I)-NOR-OXA-PEN-TET(I) | + | *seb* | NA\* |
| 29 | S3A40 (3) | *S. haemolyticus* | Site 3 | AMP-CFZ-FOX-NOR-OXA-PEN | + | *seb, seg, sei* | NA\* |
| 30 | S3A42 (5) | *S. haemolyticus* | Site 3 | AMP-CFZ-FOX-GEN(I)-OXA-PEN-SXT | + | *seb, seg, sei* | NA\* |

\*NA-Not assigned

ǂ AMP-ampicillin, CFZ-cefazolin, FOX-cefoxitin, CLI-clindamycin, ERY-erythromycin, GEN-gentamicin, NOR-norfloxacin, OXA-oxacillin, PEN-penicillin, RIF-rifampicin, SXT-trimethoprim-sulfamethoxazole, TEC-teicoplanin TET-tetracycline, (I) - intermediate resistance

+ Indicates presence of the genes and – indicates the absence