**Table S1.** Distribution of *Klebsiella pneumoniae* strains according to the dendrogram generated by BIOTYPER software(version 2, Bruker Daltonics) at the distance level of 500.

|  |  |  |  |
| --- | --- | --- | --- |
| **Clusters (Number)**  | **Cities (Number)** | **Type of samples (Number)** | **Phenotype (Number)**  |
| **C1** | **16** | Marseille  | 16 | Urine  | 9 | WT  | 8 |
| ESBL  | 1 |
| Blood culture  | 2 | ESBL  | 1 |
| WT  | 1 |
| Bedsore  | 1 | WT  | 1 |
| Profound swab  | 2 | WT  | 2 |
| Pus  | 2 | WT  | 2 |
| **C2** | **7** | Annaba  | 1 | Tracheal aspirate  | 1 | ESBL  | 1 |
| Marseille  | 6 | Blood culture  | 1 | ESBL  | 1 |
| Urine  | 5 | WT  | 5 |
| **C3** | **65** | Annaba  | 1 |  Tracheal aspirate  | 1 | ESBL  | 1 |
| Angers  | 2 |  Tracheal aspirate  | 1 | WT  | 1 |
| Vaginal swab | 1 | WT  | 1 |
| Marseille  | 10 | Urine  | 8 | WT  | 7 |
| ESBL  | 1 |
|  Blood culture  | 1 | ESBL  | 1 |
| Not determined  | 1 | ESBL  | 1 |
| Oran  | 5 | Rectal swab | 1 | Pase HL | 1 |
| Tracheal aspirate  | 1 | ESBL  | 1 |
| Pus  | 1 | ESBL  | 1 |
| Urine  | 1 | WT  | 1 |
| Environment  | 1 | ESBL  | 1 |
| Nice  | 47 |  Blood culture  | 22 | ESBL  | 2 |
| Pase HL | 3 |
| WT  | 17 |
| Pus  | 25 | ESBL  | 3 |
| Pase HL | 3 |
| WT  | 18 |
| Pase IRT | 1 |
| **C4** | **215** | Annaba  | 1 | Tracheal aspirate  | 1 | ESBL  | 1 |
| Angers  | 54 | Catheter  | 2 | ESBL + Case  | 1 |
|  WT  | 1 |
| Tracheal aspirate  | 2 |  WT  | 2 |
| Urine  | 33 | WT  | 19 |
| Pase IRT | 1 |
| Case  | 2 |
|  ESBL  | 9 |
| ESBL + Case  | 2 |
| Blood culture  | 12 | ESBL  | 3 |
|  WT  | 9 |
| Rectal swab | 4 |  WT  | 2 |
| ESBL + Case  | 2 |
| Pus  | 1 | WT  | 1 |
| Nice  | 6 | Blood culture  | 3 |  WT  | 1 |
| Pase HL | 1 |
|  ESBL  | 1 |
| Pus  | 3 |  ESBL  | 1 |
| WT  | 2 |
| Oran  | 14 | Pus  | 2 | WT  | 1 |
| ESBL  | 1 |
| Rectal swab | 2 | ESBL  | 2 |
| Tracheal aspirate  | 8 | WT  | 3 |
| ESBL  | 1 |
| ESBL + Case  | 4 |
| Environment  | 2 | ESBL  | 1 |
| ESBL + Case  | 1 |
| Sidi Bel Abbes | 10 | Tracheal aspirate  | 2 | ESBL  | 1 |
| ESBL + Case  | 1 |
| Urine  | 3 | ESBL  | 2 |
| Pase IRT | 1 |
| Environment  | 1 | ESBL  | 1 |
| Pus | 4 | ESBL  | 3 |
| ESBL + Case  | 1 |
| Tlemcen  | 13 | Tracheal aspirate  | 5 | ESBL  | 5 |
| Urine  | 1 | Pase HL | 1 |
| Environment  | 1 | ESBL  | 1 |
| Pus | 1 | ESBL  | 1 |
| Rectal swab | 5 | ESBL  | 3 |
| ESBL + Case  | 2 |
| Marseille  | 117 | Tracheal aspirate  | 8 | ESBL  | 3 |
| WT  | 5 |
| Urine  | 74 | WT  | 56 |
| Pase IRT | 2 |
| ESBL  | 16 |
| Blood culture  | 14 | ESBL  | 3 |
| WT  | 11 |
| Profound swab  | 4 | WT  | 3 |
| ESBL  | 1 |
| Pus | 3 | ESBL  | 1 |
| WT  | 2 |
| Not determined  | 13 | WT  | 2 |
| ESBL  | 11 |
| Catheter  | 1 | ESBL  | 1 |
| **C5** | **232** | Oran  | 74 | Tracheal aspirate  | 43 | ESBL  | 31 |
| ESBL + Case  | 7 |
| WT  | 5 |
| Urine | 12 |  WT  | 3 |
| ESBL + Case  | 1 |
| ESBL  | 8 |
| Pus  | 10 | ESBL + Case  | 1 |
| ESBL  | 9 |
| Rectal swab | 6 | ESBL  | 3 |
| ESBL + Case  | 2 |
| Pase HL | 1 |
| Vaginal swab | 1 | ESBL  | 1 |
| Environment  | 2 | ESBL  | 2 |
| Angers  | 44 | Catheter  | 1 | ESBL  | 1 |
| Urine  | 25 | ESBL  | 4 |
| ESBL + Case  | 1 |
| Pase IRT | 1 |
| WT  | 19 |
| Blood culture  | 6 | WT  | 5 |
| ESBL  | 1 |
| Rectal swab | 5 | ESBL  | 5 |
| Vaginal swab | 5 | ESBL  | 1 |
| WT  | 4 |
| Pus  | 2 | WT  | 2 |
|  Tlemcen  | 59 | Tracheal aspirate  | 23 | WT  | 3 |
| ESBL  | 19 |
| ESBL + Case  | 1 |
| Profound swab  | 1 | ESBL  | 1 |
| Rectal swab | 13 | ESBL  | 12 |
| ESBL + Case  | 1 |
| Pus | 10 | ESBL + Case  | 2 |
| ESBL  | 8 |
| Environment  | 10 | ESBL  | 6 |
| Case  | 1 |
| ESBL + Case  | 3 |
| Urine  | 2 | ESBL  | 2 |
| Marseille  | 21 | Pus  | 1 | ESBL  | 1 |
| Subcutaneous swab  | 1 | WT  | 1 |
| Not determined  | 3 | ESBL  | 3 |
| Blood culture  | 3 | WT  | 3 |
| Urine  | 12 | WT  | 7 |
| ESBL  | 5 |
| Tracheal aspirate  | 1 | WT  | 1 |
| Annaba  | 15 | Tracheal aspirate  | 9 | WT  | 1 |
| ESBL  | 8 |
| Urine  | 4 | ESBL  | 4 |
| Blood culture  | 2 | ESBL  | 2 |
| Sidi Bel Abbes  | 18 | Pus  | 7 | ESBL  | 4 |
| ESBL + Case  | 1 |
| Pase IRT | 1 |
| WT  | 1 |
| Profound swab  | 1 | Pase HL | 1 |
| Bedsore  | 2 | ESBL  | 2 |
| Tracheal aspirate  | 7 | ESBL  | 7 |
| Environment  | 1 | ESBL  | 1 |
|  Nice  | 1 | Blood culture  | 1 | WT  | 1 |

ESBL: Extended-spectrum beta-lactamase, Case: Cephalosporinase phenotype, ESBL + Case: Extended-spectrum beta-lactamase associated to Cephalosporinase phenotype, Pase HL: Penicillinase High Level phenotype, Pase IRT: inhibitor-resistant TEM penicillinase, WT: Wild Type phenotype.