**S1 Table. Non-synonymous SNP’s identified in Amikacin resistant isolates.** Amikacin susceptible clinical isolate PAS1 was compared against all other resistant isolates.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S. No | **Nucleotide Position** | **Susceptible genome** | **Alteration** | **Gene ID** | **AA changes** | **Hydrophobicity** | **Charges** | **Polarity** | **Sequence length in reference** | **Sequence length in isolate**  | **Nucleotide difference** |
| 1 | 1275766 | GAA | GA | napA | \* | - | - | - | - | - | -11 |
| 2 | 1402975 | GCGTCGTC | GCGTC | PA1292 | \* | - | - | - | - | - | -285 |
| 3 | 2328283 | T | C | PA2117 | I292V | hydrophobic-hydrophobic | neutral-neutral | Non-polar-Non-polar | 131 | 117 | 14 |

\* - Indicates a frame shift mutation