Appendix 1

# **Chi-square Test between the antimicrobial resistance profiles and major *Salmonella* serovars (7 serovars).**

|  |  |  |  |
| --- | --- | --- | --- |
| Chi-Square Tests | | | |
|  | Value | Df | Asymp. Sig. (2- sided) |
| Pearson Chi-Square | 52.471a | 14 | .000 |
| Likelihood Ratio | 54.776 | 14 | .000 |
| N of Valid Cases | 2952 |  |  |
| a3 cells (12.5%) have an expected count of less than 5. The minimum expected count is .11. | | | |

# **Appendix 2**

Chi-square Test between the resistance phenotypes and types of biofilm producers of *Salmonella* in TSB medium.

# **Chi-Square Tests**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Value | Df | Asymp. Sig. (2- sided) |
| Pearson Chi-Square | 4.757a | 9 | .855 |
| Likelihood Ratio | 5.845 | 9 | .755 |
| Linear-by-Linear Association | .054 | 1 | .816 |
| N of Valid Cases | 272 |  |  |

a7 cells (43.8%) have an expected count of less than 5. The minimum expected count is .68.

# **Symmetric Measures**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Value | Approx. Sig. |
| Nominal by Nominal | Phi | .132 | .855 |
|  | Cramer's V | .076 | .855 |
| N of Valid Cases |  | 272 |  |

# **Appendix 3**

# **Chi-square Test between the resistance phenotypes and types of biofilm producers of *Salmonella* in the 1/20-TSB medium.**

# **Chi-Square Tests**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Value | Df | Asymp. Sig. (2- sided) |
| Pearson Chi-Square | 11.567a | 9 | .239 |
| Likelihood Ratio | 13.623 | 9 | .136 |
| Linear-by-Linear Association | .633 | 1 | .426 |
| N of Valid Cases | 272 |  |  |

a7 cells (43.8%) have an expected count of less than 5. The minimum expected count is 1.01.

# **Symmetric Measures**

|  |  |  |  |
| --- | --- | --- | --- |
|  | | Value | Approx. Sig. |
| Nominal by Nominal | Phi | .206 | .239 |
|  | Cramer's V | .119 | .239 |
| N of Valid Cases |  | 272 |  |