

| Sr. No. | Antibiotic                       | Genes-Associated                                     | Reference  |
|---------|----------------------------------|--|--|
| 1)      | Tetracycline                     | tet(M), tet(S), tet(O),<br>tet(Q), mef(A),<br>msr(D) | Jungermann et al., 2011<br>Roberts et al., 2006<br>Charpentier et al., 1994<br>Roberts 2005; Giovanetti et al., 2003; Brenciani et al., 2004 |
| 2)      | Macrolide and<br>Aminoglycosides | mef, ermB, aphA-3                                    | Roberts and Mullany 2010;<br>Lu et al., 2007   |
| 3)      | Glycopeptide<br>Antibiotics      | vanA, vanB, vanC,<br>vanD, vanE, vanG                | Dahlen et al., 2000;<br>Pinheiro et al., 2004;<br>Sedgley et al., 2004   |

**Table 1- Genes and Associated Antibiotic**