

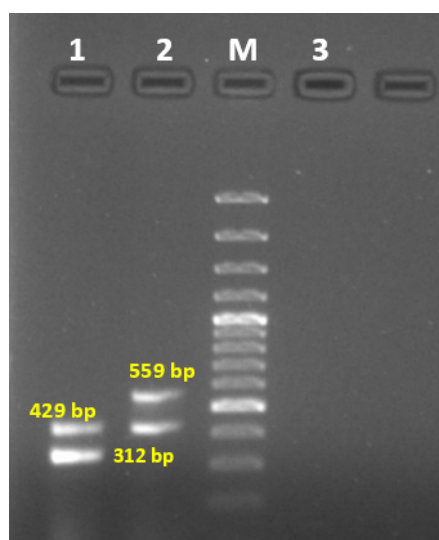


Genetic characterization and genotyping of β -lactamase producing *Salmonella enterica* serovars Enteritidis and Typhimurium isolated from livestock and poultry samples

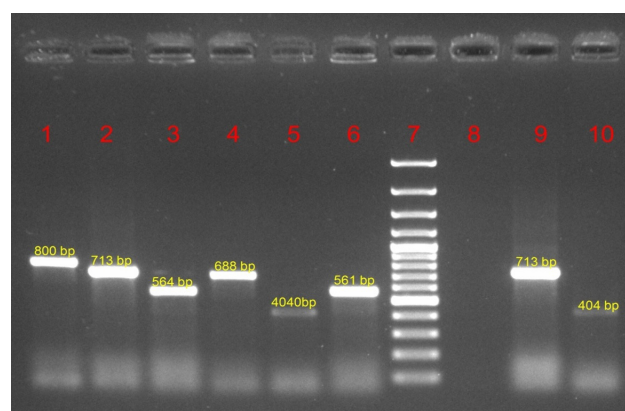
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- Lane M 100bp DNA ladder
- Lane 1 Positive control (Enteritidis ATCC 13076) showing *Salmonella* genus specific gene *Salgenus* at 429 bp and Enteritidis specific gene *SefA* at 312 bp
- Lane 2 Positive control (Typhimurium ATCC 14028) showing *Salmonella* genus specific gene *Salgenus* at 429 bp and Typhimurium specific gene *fliC* at 559 bp
- Lane 3 Negative control
- Supplementary Figure-1: Gel photograph showing *Salmonella* Enteritidis & Typhimurium specific PCR bands



- Lane 1** Known DNA standard for *bla*TEM gene (800 bp)
- Lane 2** Known DNA standard for *bla*SHV gene (713 bp)
- Lane 3** Known DNA standard for *bla*OXA gene (564 bp)
- Lane 4** Known DNA standard for *bla*CTX-M group 1 gene (688 bp)
- Lane 5** Known DNA standard for *bla*CTX-M group 2 gene (404 bp)
- Lane 6** Known DNA standard for *bla*CTX-M group 9 gene (561 bp)
- Lane 7** Molecular weight marker
- Lane 8** Negative control
- Lane 9** Sample positive for *bla*SHV gene (713 bp)
- Lane 10** Sample positive for *bla*CTX-M group 2 gene (404 bp)

Supplementary Fig. 2. Gel photograph showing different ESBL genes from selected *Salmonella* serovar

Supplementary Fig. 1. Gel photograph showing *Salmonella* Enteritidis & Typhimurium specific PCR bands