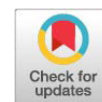


Supplementary Material



Molecular Studies on Some Virulent and Multi-Drug Resistant Cattle *Klebsiella* Strains and their Hematobiochemical Impacts

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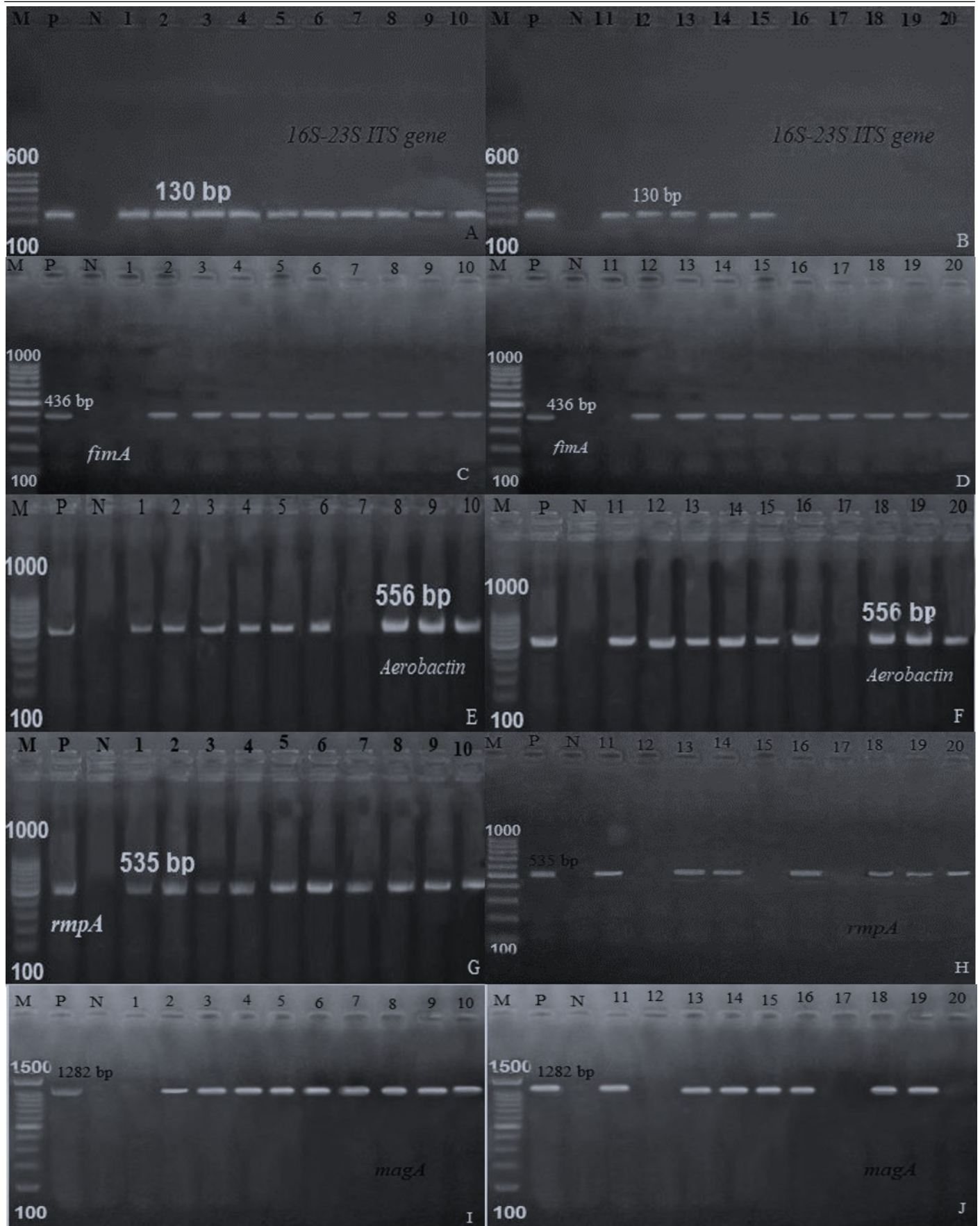
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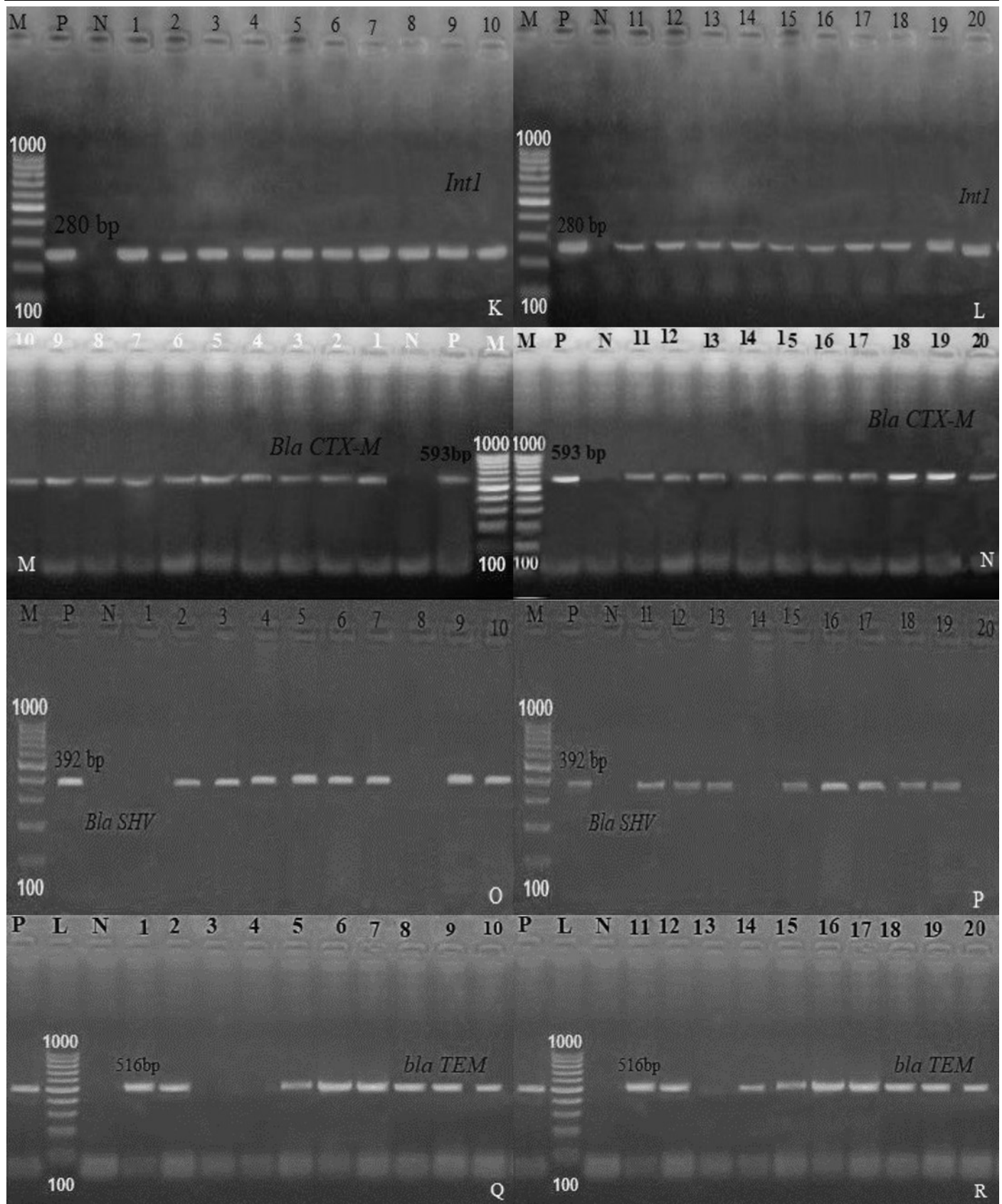


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Supplementary Figure 1: This figure shows PCR amplification of species-specific *K. pneumoniae* 16S-23S ITS genes (A,B), virulence genes: *fimA* (C,D), *aerobactin* (E,F), *rmpA* (G,H) and *magA* (I,J). Lane M: 100 bp molecular weight marker, Lanes 1-15: *K. pneumoniae* isolates, Lanes 16-18: *K. Rhinoscleromatis* and Lanes 18-20: *K. Ozaenae*. Lane P: positive control, Lane N: negative control.



Supplementary Figure 2: This figure shows PCR amplification of class 1 integron gene *Int1* (K,L) and ESBL resistant genes; *bla_{CTX-M}* (M,N), *bla_{SHV}* (O,P) and *bla_{TEM}* (Q,R). Lane M: 100 bp molecular weight marker, Lanes 1-15: *K. pneumoniae* isolates, Lanes 16-18: *K. Rhinoscleromatis* and Lanes 18-20: *K. Ozaenae*. Lane P: positive control, Lane N: negative control.