Fig. S1 (a): PCR amplification of BMPR-1B gene (190 bp), (b): BMP-15 gene (141 bp), and (c): GDF-9 gene (462 bp), for; Rahmani (R), Barki (B), Awassi (A), Rahmani X Barki cross (C), Awassi X Suffolk cross (S), and Ossimi (O). M, 50 bp/100 bp DNA ladder.
Fig. S2 (a): The PCR products of the BMPR-1B (Fec-B) gene from the genomic DNA of tested breeds and digested by AvalII. M; 50 bp DNA ladder, M*; 100 bp DNA ladder. (b): Digestion pattern of PCR amplification of the GDF-9 (Fec-G9) gene from the genomic DNA of tested breeds. (b1) and (b2) digestion profile with ASP-I and Hinf-I respectively, for; Rahmani (R), Barki (B), Awassi (A), Rahmani X Barki cross (C), Awassi X Suffolk cross (S), and Ossimi (O). M, 100 bp /50 bp DNA ladder, respectively.
**Fig.S3** (A) - A 462 bp sequence of GDF-9 gene of Rahmani breed (*NCBI accession no. KT357481.1*), (B) - A 462 bp sequence of GDF-9 gene of Barki breed (*NCBI accession no. KT357482.1*), (C) - A 462 bp sequence of GDF-9 gene of Rahmani X Barki cross breed (*NCBI accession no. KT357484.1*), (D) - A 462 bp sequence of GDF-9 gene of Awassi breed (*NCBI accession no. KT357483.1*), (E) - A 462 bp sequence of GDF-9 gene of Awassi X Suffolk cross breed (*NCBI accession no. KT357485.1*), (F) - A 462 bp sequence of GDF-9 gene of Ossimi breed (*NCBI accession no. KT357486.1*).