



*Supplement of*

## **A comprehensive analysis of the effects of *DGAT1* K232A polymorphism on milk production and fertility traits in Holstein Friesian and Jersey cows reared in Türkiye**

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**Table S1.** Levels of significance, least-squares means, and standard errors for the effect of *DGATI* K232A genotypes on fertility traits in Holstein-Friesian cows ( $n=361$ ).

Traits	Genotype		<i>p</i> -value
	KA	KK	
Number of inseminations <sup>1</sup>	2.27±0.07	2.20±0.29	0.820
Calving ease <sup>2</sup>	2.20±0.06	2.18±0.32	0.955

<sup>1</sup>Number of inseminations per conception

<sup>2</sup>Calving ease was assessed using a scale based on the following criteria: 1 = unassisted calvings; 2 = calvings requiring minor assistance; 3 = calvings requiring hands-on help; and 4 = calvings that necessitated Caesarean sections. Due to a low number of animals in category 4, categories 3 and 4 were merged and recoded as 3 to address the issue of sparse data in the most severe category.