

Supplementary Material

Association of *CYP19A1* gene polymorphisms with anoestrus in water buffaloes

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Table S1. Conservation of the CYP19A1 aa sequence among some mammalian species within the region bracketing the mutation sites at c.559G>A (p.V187M) SNP in exon 5 and c.1285C>T (p.P429S) and c.1394A>G (p.D465G) SNPs in exon 10 (red)

Species	Exon5		Exon10		
<i>Bubalus bubalis</i>	DLGYVD M LTLMR	-----	NVPYRYFQ S FGFGPRA	-----	LRRFHVQTLQ G RCVKMQ
<i>Bos taurus</i>	DLGYVDVLTLMR	-----	NVPYRYFQPFQFGPRA	-----	LRRFHVQTLQGRCVKMQ
<i>Ovis aries</i>	DLGYVDVLTLMR	-----	NVPYRYFQPFQFGPRA	-----	LRRFHVQTLQGRCVKMQ
<i>Capra hircus</i>	DLGYVDVLTLMR	-----	NVPYRYFQPFQFGPRA	-----	LRRFHVQTLQGRCVKMQ
<i>Sus scrofa</i>	DLGYVDVLTLMR	-----	NVPYRYFQPFQFGPRA	-----	LRRFQVQTPQDRCVEMQ
<i>Mus musculus</i>	TSGYVDVLTLMR	-----	NVPYRYFQPFQFGPRG	-----	LRRFQVKTLLQKRCIENIP
<i>Homo sapiens</i>	ESGYVDVLTLLR	-----	NVPYRYFQPFQFGPCG	-----	LRRFHVKTLLQGCVESIQ