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Supplementary Material

A *Prl*/*RsaI* Polymorphism in Exon 3 and 4 of Prolactine Gene in Dairy Cattle

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Supplementary Table I.- *Prl*/*RsaI* gene polymorphisms with different breeds in different regions of the world.

References	Breeds	A (*Rsa*⁻)*	B (*Rsa*⁺)	References	Breeds	A (*Rsa*⁻)	B (*Rsa*⁺)
Mitra *et al.* 1995	German Black White	0.80	0.20	Chung *et al.* 1997	Korean cattle breeds	0.68	0.32
	Swiss Brown	0.61	0.39		(cows -bulls)	0.77	0.23
	Sahiwal	0.49	0.51				
Dybus, 2002	Polish	0.86	0.14	Dybus *et al.* 2005	Black and white	0.85	0.15
					Jersey	0.31	0.69
Udina *et al.* 2001	Gorbatov Red	0.91	0.09	Khatami *et al.* 2005	Russian Black White	0.95	0.05
	Ayrshire	0.86	0.14		German Black White	0.61	0.39
	Black Pied	0.80	0.20		Yaroslavl	0.65	0.35
Miceikiene *et al.* 2006	Litvania Dairy cattle	0.87	0.13				
Kepenek, 2007	South Anatolian Red	0.76	0.24	Alipanah *et al.* 2008	Russian Black	0.71	0.29
	East Anatolian Red	0.66	0.34		Russian Red	0.70	0.30
	Anatolian Black	0.56	0.44	Oztabak *et al.* 2008	East Anatolian Red	0.56	0.44
	Turkish Gray	0.70	0.30		South Anatolian Red	0.74	0.26
	Holstein	0.86	0.14				
Kumari *et al.* 2008	Holstein +Jersey	0.77	0.23	Wojdak *et al.* 2008	Holstein-Friesian	0.58	0.42
	Zebu breeds	0.67	0.33				
Ghasemi *et al.* 2009	Montebeliard cow	0.63	0.37	Kaplan and Boztepe, 2010	Brown Swiss	0.82	0.18
					Anatolian Water Buffalo	1.0	-
Sharifi *et al.* 2010	Najdi	0.57	0.43	Sodhi *et al.* 2011	India native cattle breeds	0.52	0.48
Alfonso *et al.* 2012	American Swiss	0.88	0.12	Vikas *et al.* 2012	Frieswal cattle	0.63	.370
Akyuz *et al.* 2012	Turkish Gray	0.76	0.24	Dayal Das *et al.* 2012	Deoni	0.39	0.61
	East Anatolian Red	0.70	0.30	Mahajan *et al.* 2012	Frieswal	0.63	0.37
	Anatolian Black	0.58	0.42	Verma *et al.* 2012	Indian Murrah buffalo	0.93	0.07
	South Anatolian Red	0.76	0.24				
	Brown Swiss	0.73	0.27				
	Holstein	0.86	0.14				
Akyuz *et al.* 2013	Simmental	0.81	0.19	Lazebnaya *et al.* 2013	Yakut	0.73	0.27
	Brown Swiss	0.76	0.24		Yaroslavl	0.65	0.35
	Holstein	0.87	0.13		Bestuzhev	0.68	0.32
					Kastroma	0.75	0.25
Bukhari *et al.* 2013	Frieswal	0.63	0.37	Biradar *et al.* 2014	Murrah Buffalo	1.0	0.0

References	Breeds	A (*Rsa*$^-$)*	B (*Rsa*$^+$)	References	Breeds	A (*Rsa*$^-$)	B (*Rsa*$^+$)
Akyuz ve Cinar, 2014	East Anatolian Red	0.74	0.26	Ozkan Unal *et al.* 2015	Turkish Gray	0.70	0.30
	Brown Swiss	0.44	0.56		East Anatolian Red	0.68	0.32
	Zavot	0.65	0.35		Anatolian Black	0.52	0.48
	Simmental	0.67	0.33		South Anatolian Red	0.71	0.29
Paramitasari *et al.* 2015	Bali	0.95	0.05	Sonmez and Ozdemir, 2015	East Anatolian Red	0.77	0.23
	NTB	0.85	0.15				
	South Sulowasi	0.95	0.05				
References	**Breeds**	**A (*Rsa*$^+$)***	**G (*Rsa*$^-$)**	**References**	**Breeds**	**A (*Rsa*$^+$)**	**G (*Rsa*$^-$)**
Brym *et al.* 2005	Black and White	0.11	0.89	Dayal Das *et al.* 2012	Deoni	0.19	0.81
	Jersey	0.71	0.29				
Mehmannavaz *et al.* 2009	Holstein bulls	0.07	0.93	Khaizaran and Al-Razem, 2014	Freisian	0.71	0.29
					Hybrid	0.94	0.06
					Local breeds	0.82	0.18
Rorie *et al.* 2009	Holstein	0.08	0.92	Paramitasari *et al.* 2015	Bali	0.95	0.05
	Hybrid cattle	0.30	0.70		NTB	0.87	0.13
Boleckova *et al.* 2012	Fleckvieh	0.12	0.88		South Sulowasi	0.94	0.06
Ishaq *et al.* 2012	Nili-Ravi Buffalo	0.00	1	Sonmez and Ozdemir, 2015	East Anatolian Red	0.24	0.76
	Sahiwal	0.19	0.81				
	Achai	0.44	0.56				

*It was called as A/B on the exon 3 and A/G on the exon 4, but the naming in the form of *RsaI* $^{+/-}$ is proposed in the present study.