

Additional Table 2 - Genotype frequencies for the 23-bp and 12-bp insertion/deletion polymorphism for each breed

The 23-bp and 12-bp homozygous insertion (+/+), heterozygous (+/-), and homozygous deletion (-/-) genotype frequencies for each breed of *B. indicus*, *B. taurus*, and *B. indicus* x *B. taurus* composite cattle.

	23 bp				12 bp			
	n	+/+	+/-	-/-	n	+/+	+/-	-/-
B. indicus								
Brahman ^{a,b}	30	0.03	0.30	0.67	30	0.90	0.10	0.00
Nelore ^{a,b}	14	0.00	0.00	1.00	14	0.86	0.14	0.00
Gir ^a	12	0.00	0.25	0.75	12	0.33	0.58	0.08
Guzerat ^a	1	0.00	0.00	1.00	1	0.00	1.00	0.00
Tabapua ^a	1	0.00	0.00	1.00	1	1.00	0.00	0.00
Total B. indicus	58	0.02	0.21	0.78	58	0.76	0.22	0.02
Crossbred								
Santa Gertrudis ^{a,b}	9	0.00	0.33	0.67	9	0.00	0.67	0.33
Brangus ^{a,b}	16	0.00	0.38	0.63	16	0.25	0.63	0.13
Beefmaster ^b	4	0.00	0.00	1.00	4	0.00	0.50	0.50
Braford ^b	4	0.00	0.25	0.75	4	0.00	0.50	0.50
Bramousin ^b	2	0.50	0.50	0.00	2	0.50	0.50	0.00
Simbrah ^b	3	0.00	0.67	0.33	3	0.67	0.33	0.00
Total Crossbred	38	0.03	0.34	0.63	38	0.18	0.58	0.24
B. taurus								
Shorthorn ^{a,b}	19	0.00	0.16	0.84	19	0.00	0.16	0.84
US Holstein ^c	690	0.18	0.51	0.31	690	0.23	0.50	0.28
UK Holstein ^d	276	0.05	0.49	0.46	270	0.11	0.52	0.37
German Holstein ^e	80	0.09	0.49	0.43	80	0.11	0.55	0.34
German Fleckvieh ^e	60	0.12	0.38	0.50	60	0.22	0.32	0.47
German Brown ^e	41	0.27	0.59	0.15	41	0.68	0.32	0.00
Swiss Brown ^e	103	0.41	0.41	0.18	103	0.57	0.40	0.03
Swiss Scharzfleck ^e	26	0.23	0.58	0.19	26	0.31	0.54	0.15
Swiss Simmental x Red Holstein ^e	121	0.21	0.48	0.31	121	0.31	0.45	0.25
Japanese Holstein ^f	278	0.05	0.32	0.63	290	0.07	0.38	0.55
Japanese Black ^f	186	0.10	0.61	0.28	186	0.13	0.61	0.26
Polish Holstein ^g	281	0.12	0.50	0.38	281	0.20	0.51	0.28
Korean Holstein ^h	52	0.12	0.37	0.52	52	0.20	0.41	0.39
Other ^{b,i}	63	0.12	0.44	0.44	63	0.21	0.42	0.36
Total B. taurus	2276	0.14	0.48	0.39	2282	0.20	0.48	0.32

^aThis study, ^bSeabury et al., 2004a,b, ^cBrunelle et al., 2007, ^dJuling et al., 2006, ^eHaase et al., 2007, ^fNakamitsu et al., 2006, ^gCzarnik et al., 2007, ^hJeong et al., 2006, ⁱCombination of 20 *B. taurus* breeds (see Methods for details)