





Table 2: BeadChip Content Validation

Species	Breed	Samples	Polymorphic Loci <sup>a</sup>	Mean MAF	Median MAF
<i>Bos taurus taurus</i>	Angus	42	573,437	0.21	0.21
<i>Bos taurus taurus</i>	Blonde d'Aquitaine	5	556,296	0.20	0.20
<i>Bos taurus taurus</i>	Brown Swiss	22	531,212	0.19	0.18
<i>Bos taurus taurus</i>	Charolais	37	627,800	0.23	0.24
<i>Bos taurus taurus</i>	Guernsey	21	533,297	0.20	0.19
<i>Bos taurus taurus</i>	Hereford	35	632,414	0.25	0.27
<i>Bos taurus taurus</i>	Holstein	60	594,290	0.22	0.23
<i>Bos taurus taurus</i>	Jersey	38	587,081	0.21	0.20
<i>Bos taurus taurus</i>	Lagunaire	5	378,480	0.13	0.00
<i>Bos taurus taurus</i>	Limousin	50	610,524	0.23	0.23
<i>Bos taurus taurus</i>	Montbeliard	5	533,869	0.19	0.20
<i>Bos taurus taurus</i>	N'Dama	23	444,452	0.16	0.11
<i>Bos taurus taurus</i>	Normande	5	533,325	0.19	0.20
<i>Bos taurus taurus</i>	Norwegian Red	17	592,815	0.22	0.21
<i>Bos taurus taurus</i>	Piedmontese	21	603,865	0.23	0.24
<i>Bos taurus taurus</i>	Red Angus	10	589,836	0.21	0.20
<i>Bos taurus taurus</i>	Romagnola	21	580,950	0.21	0.21
<i>Bos taurus taurus</i>	Senepol	12	580,001	0.21	0.21
<i>Bos taurus taurus</i>	Simmental	10	624,820	0.22	0.20
<i>Bos taurus taurus</i>	Wagyu	13	527,210	0.19	0.15
<b><i>Bos taurus taurus</i></b>	<b>All</b>	<b>452</b>	<b>651,994</b>	<b>0.25</b>	<b>0.27</b>
<i>Bos taurus indicus</i>	Brahman	46	561,834	0.18	0.14
<i>Bos taurus indicus</i>	Gir	27	472,928	0.15	0.09
<i>Bos taurus indicus</i>	Nelore	31	453,361	0.15	0.10
<b><i>Bos taurus indicus</i></b>	<b>All</b>	<b>104</b>	<b>538,517</b>	<b>0.17</b>	<b>0.13</b>
Hybrid <i>Btt</i> × <i>Bti</i>	Beefmaster	23	704,057	0.27	0.28
Hybrid <i>Btt</i> × <i>Bti</i>	Brangus	12	655,334	0.24	0.25
Hybrid <i>Btt</i> × <i>Bti</i>	Santa Gertrudis	32	683,588	0.25	0.25
Hybrid <i>Btt</i> × <i>Bti</i>	Sheko	16	617,445	0.22	0.22
<b>Hybrid <i>Btt</i> × <i>Bti</i></b>	<b>All</b>	<b>83</b>	<b>730,448</b>	<b>0.27</b>	<b>0.28</b>
<b>All</b>	<b>All</b>	<b>639</b>	<b>749,577</b>	<b>0.28</b>	<b>0.28</b>
Outgroup <sup>b</sup>	Outgroup <sup>b</sup>	10	167,215	0.06	0.00

a. MAF &gt; 0.05

b. Includes water buffalo, yak, and guar

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