

Table S3. Chromosome wise information regarding genotyping data of cattle and sheep

Chromosome	CATTLE					SHEEP			
	Length ^a (Mbp)	SNPs (N)	Ancestral ^b	Density (bp) ^c		Length ^a (Mbp)	SNPs (N)	Density (bp) ^c	
				Mean	Maximum			Mean	Maximum
1	159	2555	2550	61,874	1,160,151	300	5336	56,156	941,607
2	138	2062	2058	66,108	1,715,336	264	5009	52,537	984,461
3	122	1952	1947	62,058	1,610,036	243	4535	53,497	1,335,673
4	122	1928	1925	62,474	624,584	128	2463	51,629	557,472
5	122	1608	1596	74,398	988,849	117	2147	54,035	842,189
6	120	1909	1906	62,391	1,601,814	130	2358	54,736	2,965,708
7	114	1671	1667	67,285	3,404,489	109	2029	53,585	1,053,010
8	114	1836	1830	61,586	650,324	98	1870	52,317	463,761
9	107	1572	1566	66,537	932,818	101	1931	52,223	789,815
10	105	1661	1658	62,201	3,259,342	95	1676	56,177	3,487,146
11	108	1697	1689	63,075	799,678	67	1103	60,675	477,632
12	92	1226	1225	72,793	4,498,320	87	1546	55,684	1,167,568
13	85	1348	1344	62,212	1,958,406	90	1556	57,146	902,996
14	86	1258	1251	66,134	3,618,794	70	1054	65,289	1,567,687
15	86	1239	1236	67,665	1,072,079	91	1530	58,755	1,855,199
16	83	1203	1199	66,632	2,397,240	78	1416	54,472	424,043
17	76	1200	1196	62,458	839,722	79	1296	60,573	562,710
18	67	966	962	67,447	1,106,253	73	1287	55,902	538,746
19	65	1013	1011	62,086	544,787	65	1137	57,037	509,668
20	73	1200	1194	59,712	559,097	56	1015	54,770	1,069,142
21	73	1032	1027	66,222	502,239	56	799	69,095	2,422,034
22	62	1004	1002	60,808	465,568	56	988	55,743	2,257,615
23	54	793	792	65,311	1,145,617	67	1015	65,377	715,163
24	64	964	963	64,447	577,231	45	669	66,283	343,630
25	44	703	702	60,893	520,202	49	903	53,262	589,556
26	53	802	800	63,560	760,661	51	834	59,809	1,691,855
27	46	717	713	63,229	1,341,874	-	-	-	-
28	47	700	696	66,084	2,145,618	-	-	-	-
29	53	791	789	63,724	901,776	-	-	-	-
Total	2540	38610	38494			2665	47502		
(Average)				(64,531)	(1,438,031)			(51,268)	(1,052,279)

^a Chromosomal length according to UMD3.1 Bovine genome assembly and OAR-V1 Ovine genome assembly respectively

^b Number of SNPs with their known Ancestral and Derived alleles (cattle only)

^c Average and maximum distance between consecutive SNPs on each autosome