

Supplementary material

Genetic characterization of Mozambican Nguni cattle and their relationship with indigenous populations of South Africa

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Table S1 Animals and SNP excluded in the process of quality control for each studied cattle population

Population	N	Omitted Individuals	Omitted SNP				Remaining SNP (%)
			CR	MAF	HWE	Total	
SA Boran	150	2	1 191	4 443	409	6 043	29 720 (98.25)
SA Nguni	150	7	894	2 464	318	3 676	33 393 (98.63)
SA Tuli	150	1	522	1 848	327	2 697	34 372 (99.16)
MZ Nguni	119	0	1 016	2 335	434	3 785	33 284 (99.02)
Merged	569	10	2 001	1 592	4 466	8 059	29 010 (96.10)

SNP Single nucleotide polymorphism; **CR** Rate of calling; **MAF** Minor Allele Frequency; **HWE** Hardy Weinberg Equilibrium ($P < 0.001$); **SA Boran** South African Boran; **SA Nguni** South African Nguni; **SA Tuli** South African Tuli; **MZ Nguni** Mozambican Nguni

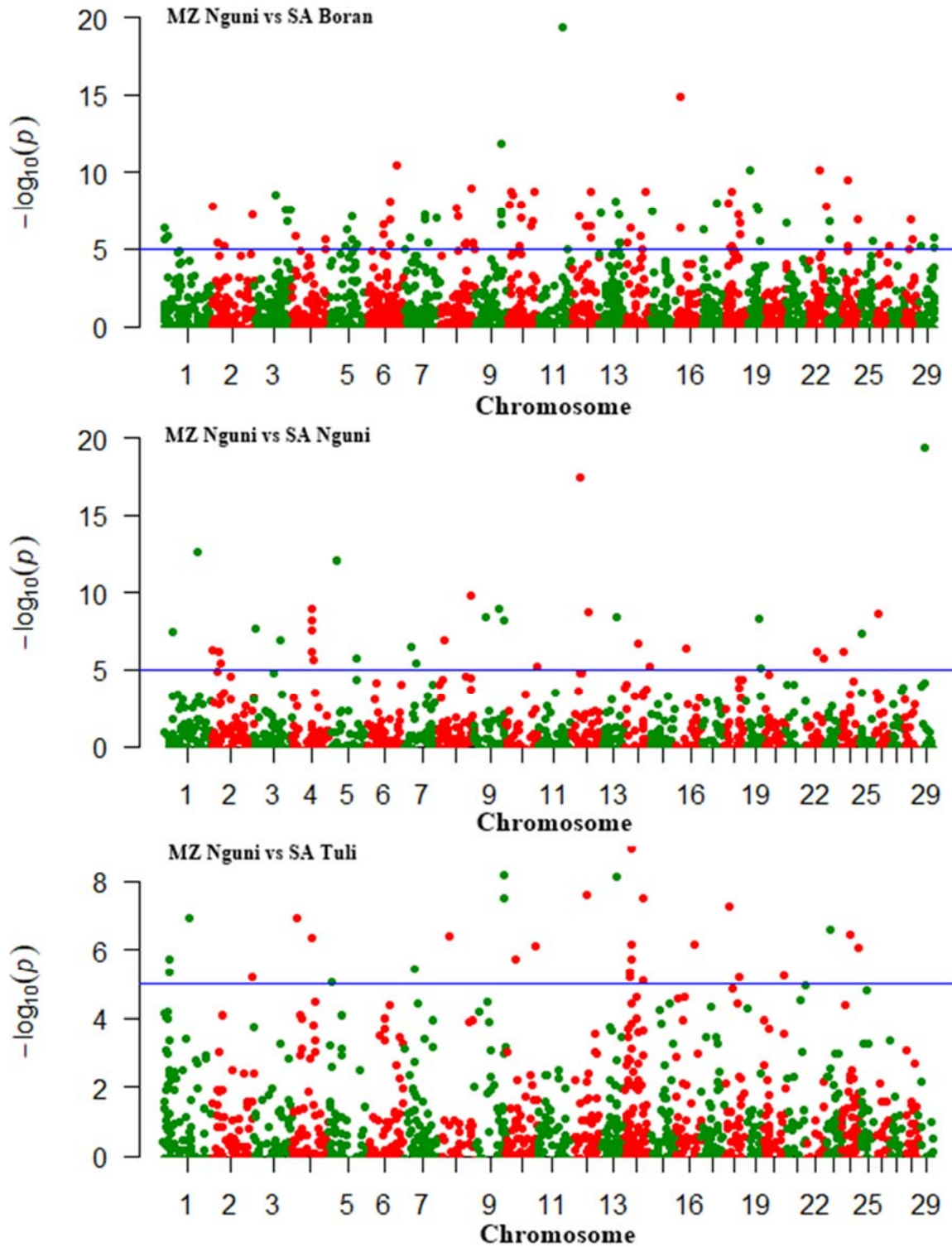


Figure S1 Manhattan plot of F_{ST} p -values in three pairwise cattle comparisons across the genome; Blue line, Suggestive significance line. **SA Boran** South African Boran; **SA Nguni** South African Nguni; **SA Tuli** South African Tuli; **MZ Nguni** Mozambican Nguni

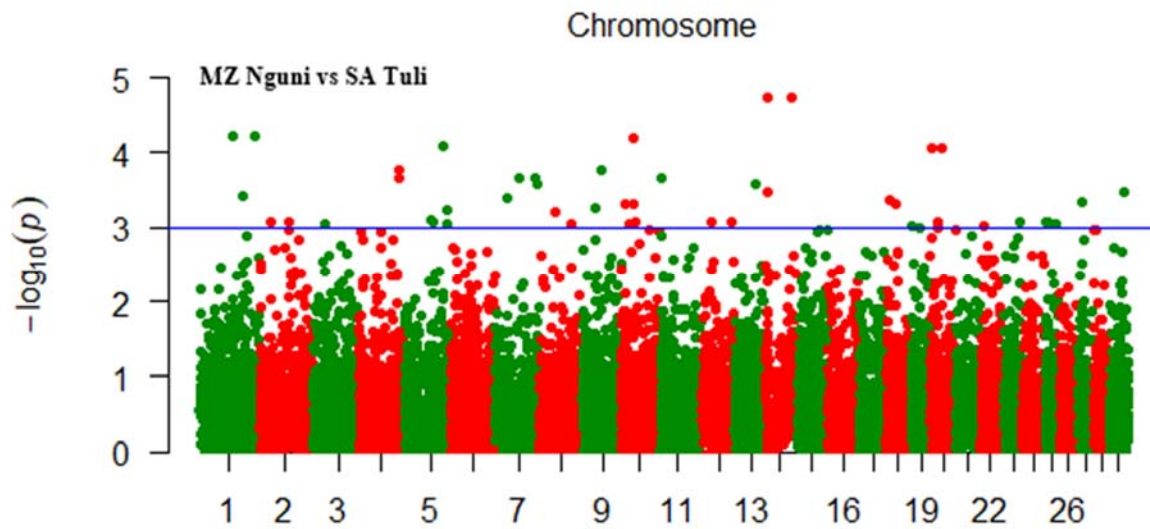
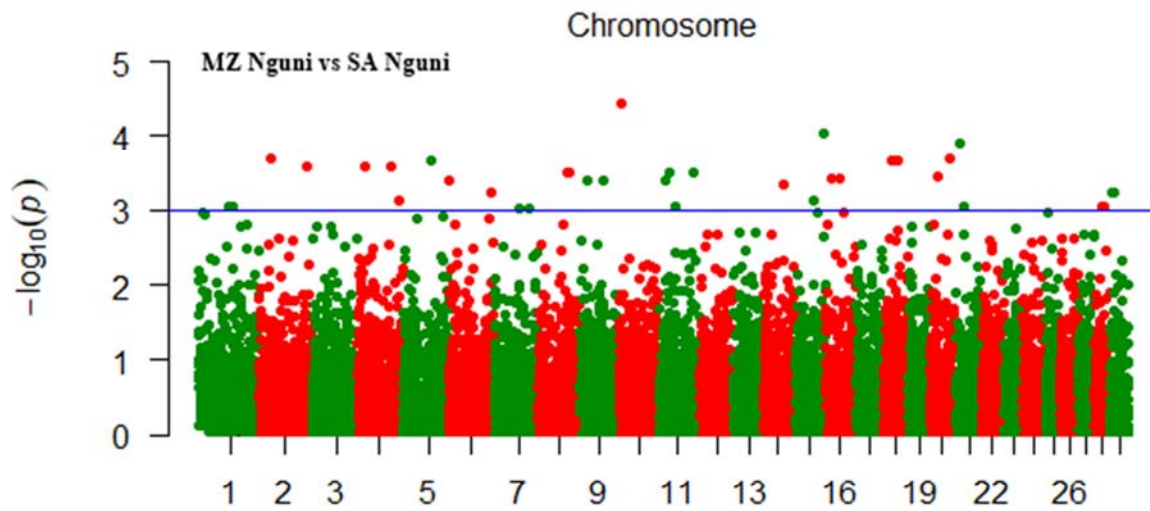
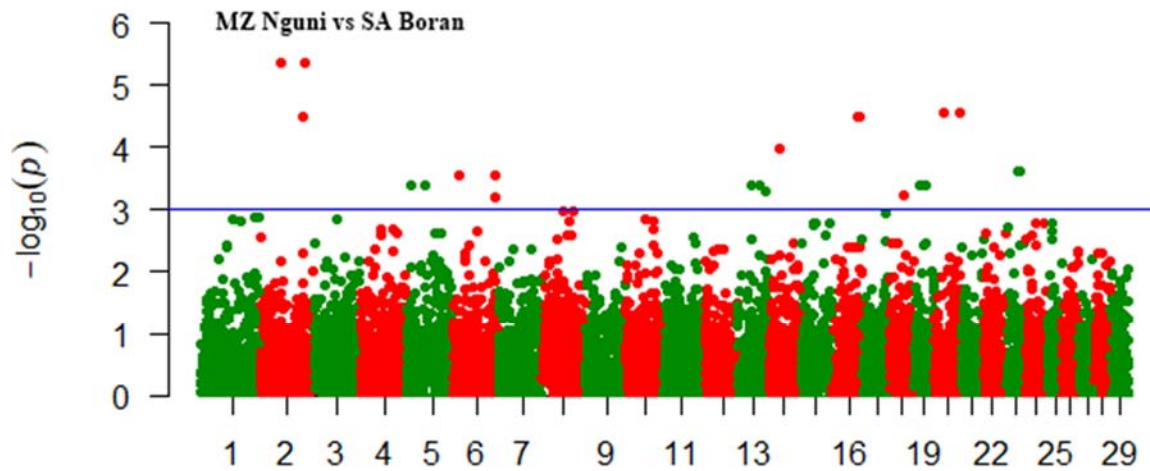


Figure S2 Manhattan plot of *Rsb* *p-values* in three pairwise cattle comparisons across the genome; Blue line, Suggestive significance line. **SA Boran** South African Boran; **SA Nguni** South African Nguni; **SA Tuli** South African Tuli; **MZ Nguni** Mozambican Nguni