

Supplementary Table 1: Primer sequences for the genomic amplification of *CD14* gene promoter.

S/N	Primer sets	Sequences (5' - 3')	Size (bp)
1	CD14 promoter	F: ACACACCTGGAGAAGGCAA R: TCCAAGGGCTAGTTCCAG AG	553
2	CD14 promoter	F: CAATTCCTGGTCAGGGAACTAA R: GGCAGCCTCTGAGAGTTTATGT	613

Supplementary Table 2: List of common transcription factor binding sites associated with *CD14* gene promoter region in both animals.

Matrix Family	Transcription factor information	Regulatory sequence	Position	# in WF	# in ND	p-value
XBBF	Regulatory factor X 5	gg GTT Gccattgccttctc	7	1	1	0.010
TEAF	TEA/ATTS DNA binding domain factors	acc ATTC cagta	22	1	1	0.145
NFAT	Nuclear factor of activated T-cells 5	gcct GGAA aatcccaagga	40	1	2	0.142
ESRR	Estrogen-related receptor alpha	ctggaaaatcc AAGG acagagg	42	1	1	0.108
IRFF	Interferon regulatory factor 7	tgaaaagt GAA Agtgaagtcgctca	113	2	3	0.141
PRDF	Positive regulatory domain I binding factor	gaaaagt GAA Agtgaagtc	118	2	1	0.102
HUB1	Zinc finger protein 282 (HTLV-I U5 repressive element-binding protein 1)	TTT Cacttttcaact	126	2	2	0.148
HOXF	T-cell leukemia, homeobox 2	agaaggg AATG gcaaccca	152	1	1	0.100
SMAD	Smad4 transcription factor involved in TGF-beta signaling	gtg GTCT tgcc	176	1	1	0.145
NFKB	Nuclear factor kappa B/c-rel	ct GGG Attctccagg	185	1	1	0.143
PAX6	PAX-4/PAX-6 paired domain binding sites	ctggagaatc CCAG ggaag	186	1	2	0.144
ZTRE	ZTRE motifs (1 bp spacer), ZNF658 binding site	ccttcctGGG Attctc	189	2	3	0.153
GLIF	GLIS family zinc finger 2	cagg CCCC ccttcctg	197	1	1	0.141
SRFF	Serum response element binding factor	gacc CAT Agcggcagcc	217	2	1	0.013
SREB	Sterol regulatory element binding protein 1 and 2	aag TCA Cctcagttg	250	1	1	0.092
NF1F	Myoblast determining factors	agtagc CAG Cagcagcg	267	1	2	0.104
PAX3	PAX-3 binding sites	tgt TCTC gctgctgctgg	272	1	2	0.086
CAAT	Cellular and viral CCAAT box	gtgg CCA Atgaagat	311	1	1	0.105
CTCF	CTCF and BORIS gene family, transcriptional regulators with 11 highly conserved zinc finger domains	tccacmcc ctgcagtGGG Agtgcagt	354	1	2	0.088
KLFS	Kidney-enriched kruppel-like factor, KLF15	cccactgca GGGG gtgga	362	1	2	0.024
BCL6	POZ/zinc finger protein, transcriptional repressor, translocations observed in diffuse large cell lymphoma	caa TTCC Tggtcagga	385	2	1	0.144

CSEN	Downstream regulatory element-antagonist modulator, Ca ²⁺ -binding protein of the neuronal calcium sensors family that binds DRE (downstream regulatory element) sites as a tetramer	tg GTC Agggaa	392	2	1	0.108
MEF3	MEF3 binding site, present in skeletal muscle-specific transcriptional enhancers	ggc TCAG ggaact	394	1	2	0.148
E2FF	E2F, involved in cell cycle regulation, interacts with Rb p107 protein	cagca gggcCAA Aaaaa	418	1	2	0.047
MEF2	Myocyte-specific enhancer factor 2	cagca gggcCAA Aaaaa	420	1	2	0.064
HNF6	Onecut homeodomain factor HNF6	aaaaaa AATC gttact	433	1	1	0.058
MYBL	Cellular and viral myb-like transcriptional regulators	ttaagaaagt AACA gatttt	436	1	1	0.144
DMRT	Doublesex and mab-3 related transcription factor 5	aaaatct GTTAct ttttaat	437	1	1	0.112
CART	Reproductive homeobox 6, placenta specific homeobox 1	tttct TAATaa acacatttaa	449	1	2	0.088
FAST	FAST-1 SMAD interacting protein	aaatgtt TATTA aga	451	1	1	0.143
FKHD	Fork head domain factors	tcttaat AAAC acattt	451	1	1	0.147
NKXH	Homeo domain factor Nkx-2.5/Csx, tinman homolog low affinity sites	tttct TAATaa acacattt	458	1	1	0.145
HBOX	Homeobox transcription factors	actgttc TTTA aatgtgt	460	1	1	0.072
AP1R	MAFB/Kreisler basic region/leucine zipper transcription factor (half site)	ttaaagaacaa gTCAGC aaaaaaca	490	1	1	0.133
BEDF	Zinc finger, BED-type containing 4; polyG binding sites	aggacgt GGGG ggga	495	2	1	0.138
ZBED	Zinc finger, BED-type containing 4; polyG binding sites	aggacgt GGGG ggga	495	2	3	0.139
EGRF	EGR/nerve growth factor induced protein C & related factors	ggacg TGGG gggaagctg	496	2	3	0.112
NR2F	Nuclear receptor subfamily 2 factors	gaagtt ggctCAA Gaacgcttc	507	1	2	0.114
HEAT	Heat shock factor 1	actccaaggstagt CCAG agaag	531	1	1	0.121
HMTB	Human muscle-specific Mt binding site	agg ATTT a	597	1	1	0.128
NKRF	Nuclear factor-kappaB repressing factor	att TCCT cagg	603	1	1	0.108
BZIP	Hepatic leukemia factor	tgaactgg GTA Atagg	631	1	1	0.062
HOMF	Hematopoietically expressed homeobox, proline-rich homeodomain protein	taataggaagt TAAT aaca	633	1	1	0.057
NKX6	NK6 homeobox transcription factors	gaag TTAA taacaac	639	1	1	0.092
HNF1	Hepatic nuclear factor 1	a GTTA tttttttttg	642	2	1	0.104
MYT1	MYT1 C2HC zinc finger protein	aaa AAGT tatgga	667	1	1	0.029
OCT1	Octamer-binding factor 1	gt TATG gaaagtacc	672	1	1	0.095
GCMF	Chorion-specific transcription factors with a GCM DNA binding domain	ccctg CCCC tatccc	701	2	2	0.061

SPIF	Stimulating protein 1, ubiquitous zinc finger transcription factor	gatagGGGCaggggaca	703	1	1	0.129
AP2F	Transcription factor AP-2, alpha	caagCCTGggggcat	729	1	1	0.145
SNAP	snRNA-activating protein complex	aTCTCcttttctccaacc	748	1	1	0.145
RORA	Orphan nuclear receptor rev-erb alpha (NR1D1), monomer binding site	cactgcctggGTCAgaggaatagag	799	1	1	0.141
RXR	RXR heterodimer binding sites	gcctgGGTCagaggaatagaggcct	803	1	1	0.145
STAT1	Signal transducer and activator of transcription	ccctTTCCaggcaacatcc	849	1	2	
STAT3	Signal transducer and activator of transcription 3	tcaaTTCCtggtcaggga	877	1	1	0.141
ETSF	Ets variant 1	aattccaGGAAGagtagcga	880	1	2	0.136
MZF1	Myeloid zinc finger protein MZF1	gtGGGAggtga	925	1	2	0.083
PBXC	Pre-B-cell leukemia homeobox 3	gtggggagTGACagggt	925	2	2	0.039
HOXH	Meis1a and Hoxa9 form heterodimeric binding complexes on target DNA	TGACagggtcaag	933	1	2	0.058
CHRF	Cell cycle gene homology region (CDE/CHR tandem elements regulate cell cycle dependent repression)	ttctTTGAaccct	937	1	2	0.106
STAT5	Signal transducer and activator of transcription 5	agggTTCAaagaaggggga	937	2	2	0.018
BARB	Barbiturate-inducible element	gttcAAAGaaggggg	940	1	1	0.146
PLAG	Pleomorphic adenoma gene 1	aaGGGGgagcaaagcgactccc	948	1	1	0.059
RBPF	Mammalian transcriptional repressor RBP-Jkappa/CBF1	accTGGGaaagtc	963	1	1	0.068
PARF	Thyrotrophic embryonic factor / hepatic leukemia factor	cagggTTACataaactc	970	2	2	0.148

WF: White Fulani; ND: N'Dama.