

Abbreviations

Abbreviations	Description	Abbreviations	Description
°C	Degree centigrade	A R	Androgen receptor
β -CN	Beta-casein	AREB6	Atp1a1 Regulatory Element Binding protein 6
β -CN5'	Beta-casein 5'-flanking region	bp	Base pair
μ l	Microlitre	C	Cytosine
α -LA	α -lactalbumin	C/EBP	CAAT/enhancer binding protein
α -LA5'	α -lactalbumin 5'-flanking region	CAAT	CAAT box
β -LG	β - lactoglobulin	Cart-1	cartilage homeoprotein 1
β -LG5'	β - lactoglobulin 5'-flanking region	CHOP-C/EBPalpha	Heterodimers of CHOP and C/EBPalpha
α S1-CN	Alpha S1-Casein	c-Myb	cartilage homeoprotein 1
α S1-CN5'	Alpha S1-Casein 5'-flanking region	CR	Central region of India
α S2-CN	Alpha S2-Casein	CREB	cAMP-response element binding protein
α S2-CN5'	Alpha S2-Casein 5'-flanking region	c-Rel	Nuclear Factor kappa B c-Rel
A	Adenine	DAC	Dangi cattle
ABI	Applied Biosystems	DEC	Deoni cattle
AhR/ Arnt	Aryl hydrocarbon receptor	D-loop	Displacement loop
AMC	Amritmahal cattle	ER	Estrogen receptor
AP	Activator Protein	FAO	Food and agricultural Organization
AR	Arid region of India	G	Guanine

Abbreviations	Description	Abbreviations	Description
GAC	Gaolao cattle	KJC	Kankrej cattle
GATA-1	GATA-binding factor 1	KNC	Kangyam cattle
Gfi-1	Zinc finger protein Gfi-1	L	Variant marker for LD analysis
GIC	Gir cattle	LD	Linkage Disequilibrium
GR	Glucocorticoid receptor	Lmo2 complex	LIM-only protein 2
H	Number of haplotype	M	Molecular weight marker
HAC	Haryana cattle	MAF	Mammary cell activating factor
HD	Haplotype diversity	MEC	Mewati cattle
HNF	Hepatocyte Nuclear Factor	MEF-2	Myocyte enhancer factor 2A
HSF	Heat shock factor	MGC	Malnad Gidda cattle
HSTR	Humid subtropical region	MGF (MPBF)	Mammary gland factor
HWE	Hardy-Weinberg Equilibrium	M-J	Median Joining
ICH	Indian cattle haplogroup	MLC	Malvi cattle
INC	Indian native cattle (<i>B. indicus</i>)	MoDAD	Measurement of domestic animal diversity
IUPAC	International Union of Pure and Applied Chemistry	MPBF	Milk protein binding factor
K	Average number of nucleotide differences	Mt-DNA	Mitochondrial DNA
K bp	Kilo base-pair	NF	Nuclear factor
k1	Transition/ transversion rate ratios for purine	NF-KappaB	Nuclear factor Kappa B,
k2	Transition/ transversion rate ratios for pyrimidine	NF-Y	Nuclear Factor-Y,
KHC	Khillar cattle	N-J	Neighbor Joining

Abbreviations	Description	Abbreviations	Description
Nkx2-5	Homeobox protein Nkx-2.5	RSC	Red Sindhi cattle
NMC	Nimari cattle	SAC	Sahiwal cattle
NWR/ NR	North-western/ northern region of India	SAR	Semiarid region
Oct-1	Octamer-binding factor	SE	Standard error
ONC	Ongole cattle	SNP	Single nucleotide polymorphism
PCR	Polymerase chain reaction	Sox-5	SRY-related HMG-box gene 5
PCR-RFLP	PCR-restriction fragment length polymorphism	Sp1	Specificity Protein 1
Pi	Nucleotide diversity	SR	Southern region of India
PMF	Pregnancy specific mammary nuclear factor	SRF	Serum responsive factor
POU1F1a	TF 1 (Pit1, growth hormone factor 1)	T	Thymine
POU2F1	POU domain, class2, transcription factor 1	TBP	TATA-box binding protein,
POU3F2	POU domain, class 3, TF2	TESS	Transcription element search site
PR	Progesterone receptor	TF	Transcription factor
PRE	Progesterone receptor element	TFBS	Transcription factor binding site
Pu-box	Pu-box binding factor	TFIID	Transcription factor IID, TATA-box-binding protein
r	Raggedness statistic's	THC	Tharparkar cattle
R	Overall transition/ transversion bias	TMF	TATA element modulatory factor
RAC	Rathi cattle	TRE	Thyroid receptor element
RC	Reverse complement	TWDR	Tropical wet and dry region
RKC	Red Kandhari cattle	UMC	Umblacherry cattle

Abbreviations	Description
UPGMA	Unweighted Pair Group Method with Arithmetic Mean
UTR	Untranslated region
YY1	Ying Yang factor

Abbreviations	Description
<i>κ-CN</i>	Kappa-casein
<i>κ-CN5'</i>	Kappa-casein 5'-flanking region