

GEPHE SUMMARY

	Gephebase Gene	GephelD
POLLED locus (#gephebase-summary-title)	GP00002031	Main curator
Published	Entry Status	Courtier

PHENOTYPIC CHANGE

	Trait Category	
Morphology (#gephebase-summary-title)	Trait	
Horns absence (#gephebase-summary-title)	Trait State in Taxon A	
Bos bovis - horns	Trait State in Taxon B	
Bos bovis - hornless - Guarani allele P[sub]G	Ancestral State	
Taxon A	Taxonomic Status	
Domesticated (#gephebase-summary-title)		
Taxon A		Taxon B
Bos taurus	Latin Name	Latin Name
(#gephebase-summary-title)		
cattle	Common Name	Common Name
Bos bovis; Bos primigenius taurus; cattle; bovine; cow; dairy cow; domestic cattle; domestic cow; Bos taurus Linnaeus, 1758; Bos Taurus	Synonyms	Synonyms
species	Rank	Rank
Bos (oxen, cattle) - (Rank: genus)	Lineage	Lineage
(https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id= 9903)		
9913	NCBI Taxonomy ID	NCBI Taxonomy ID
(https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id= 9913)	is Taxon A an Infraspecies?	is Taxon B an Infraspecies?
No	Yes	Taxon B Description
	Nellore cattle	

GENOTYPIC CHANGE

-	Generic Gene Name	UniProtKB
-	0	
-	Synonyms	GenebankID or UniProtKB
-	0	
-	String	
-	Sequence Similarities	
-	GO - Molecular Function	
-	GO - Biological Process	
-	GO - Cellular Component	
-		Presumptive Null

No ([#gephebase-summary-title\)](https://www.gephebase.org/search-criteria?/and+Presumptive Null=^No)

Molecular Type

Cis-regulatory ([#gephebase-summary-title\)](https://www.gephebase.org/search-criteria?/and+Molecular Type=^Cis-regulatory)

Aberration Type

Insertion ([#gephebase-summary-title\)](https://www.gephebase.org/search-criteria?/and+Aberration Type=^Insertion)

Insertion Size

100-1000 kb

Molecular Details of the Mutation

duplication of the region BTA1: 1;893;790â€“2;004;553 (about 110 kb)

Experimental Evidence

Association Mapping ([#gephebase-summary-title\)](https://www.gephebase.org/search-criteria?/and+Experimental Evidence=^Association Mapping)

Main Reference

Hornless Nellore cattle (*Bos indicus*) carrying a novel 110 kbp duplication variant of the polled locus. (2019) (<https://pubmed.ncbi.nlm.nih.gov/30644114/>)

Authors

Utsunomiya YT; Torrecilha RBP; Milanesi M; Paulan SC; Utsunomiya ATH; Garcia JF

Abstract

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Additional References

RELATED GEPHE

Related Genes

No matches found.

Related Haplotypes

3 ([#gephebase-summary-title\)](https://www.gephebase.org/search-criteria?/or+Gene Gephebase=^POLLED locus^/and+Taxon ID=^9913^/or+Gene Gephebase=^POLLED locus^/and+Taxon ID=^9913)

EXTERNAL LINKS

COMMENTS

Associated gene still not identified - @Parallelism - <https://omia.org/OMIA000483/9913/>