

TABLE 1A1

**Domestication, dispersal and sources of introgression**

Domestic species	Wild ancestor <sup>1</sup>	Date	Domestication site	Domestic range	Sources of introgression	References
Taurine cattle <i>Bos taurus</i>	Aurochs <i>Bos primigenius</i> <sup>a</sup>	10250 BP	Southwest Asia <sup>2</sup>	Global	- African aurochs bulls - European aurochs bulls? <sup>3</sup> - Zebu in African Sanga	Stock and Gifford-Gonzalez, 2013; Decker <i>et al.</i> , 2014; Freeman <i>et al.</i> , 2006; Decker <i>et al.</i> , 2014
Zebu cattle <i>Bos indicus</i>	Aurochs <i>Bos primigenius</i> <sup>a</sup>	8000 BP	Indus Valley <sup>2</sup>	Subtropical and tropical	- 2-way taurindicine hybrids in China - Taurine maternal lineage in nearly all non-Asian zebus and taurindicines - Banteng in southern China - Yak cows in Nepal and Qinghai, China - Banteng cows in Indonesian zebu breeds	Ajmon-Marsan <i>et al.</i> , 2010; Decker <i>et al.</i> , 2014; Lenstra <i>et al.</i> , 2014
Bali cattle <i>Bos javanicus</i>	Banteng <i>Bos javanicus</i> <sup>c</sup>	5500 BP	Indonesia	Indonesia, Malaysia, feral in Australia	Zebu in Malaysia	Mason, 1984; Nijman <i>et al.</i> , 2003
Mithun <i>Bos frontalis</i>	Gaur <i>Bos gaurus</i> <sup>d</sup>			India-Myanmar border region	Zebu cows in Dulong cattle (Yunnan, China)	Mason, 1984; Lenstra <i>et al.</i> , 2014
Yak <i>Bos grunniens</i>	Wild yak <i>Bos mutus</i> <sup>d</sup>	5000 BP	Qinghai- Tibetan Plateau	Qinghai-Tibetan Plateau, adjacent Asian highlands		Wiener <i>et al.</i> , 2003
River buffalo <i>Bubalus bubalis</i>	Wild water buffalo <i>Bubalus amee</i> <sup>b</sup>	4500 BP	India	Italy, Balkans, Southwest Asia, Egypt, India, Brazil, Australia		Kumar <i>et al.</i> , 2007
Swamp buffalo <i>B. bubalis carabensis</i>	Wild water buffalo <i>Bubalus amee</i> <sup>b</sup>	5000 BP	Southern China	South China, Indochina, Philippines, Brazil, Australia	River buffalo in China and Bangladesh	Zhang <i>et al.</i> , 2012
Sheep <i>Ovis aries</i>	Asiatic mouflon <i>Ovis orientalis</i> <sup>d</sup>	9750 BP	Southwest Asia	Global	Argali and urial ewes	Demirci <i>et al.</i> , 2013
Goat <i>Capra hircus</i>	Bezoar <i>Capra aegagrus</i> <sup>d</sup>	9750 BP	Southwest Asia	Global	Possibly other goat species	Naderi <i>et al.</i> , 2008
Reindeer <i>Rangifer tarandus</i>	Reindeer <i>Rangifer tarandus</i> <sup>f</sup>	2500 BP	North Siberia	Northern Eurasia		Mason, 1984
Dromedary <i>Camelus dromedarius</i>	Wild dromedary <sup>a</sup>	6000 BP?	Arabia?	North and East Africa, Southwest Asia, Australia	Bactrian males	Spasov <i>et al.</i> , 2004; Pott, 2004
Bactrian camel <i>Camelus bactrianus</i>	Wild Bactrian camel <i>C. bactrianus ferus</i> <sup>b</sup>	5500 BP	Turkmenistan, Iran	From Black Sea to Manchuria		Larson <i>et al.</i> , 2014
Llama <i>Lama glama</i>	Guanaco <i>Lama guanicoe</i> <sup>f</sup>	6000 BP	Central-southern Andes	Central-southern Andes	Alpaca	Kadwell <i>et al.</i> , 2001
Alpaca <i>Vicugna pacos</i>	Vicuna <i>Vicugna vicugna</i> <sup>f</sup>	5000 BP	Central-southern Andes	Central-southern Andes	Llama	Kadwell <i>et al.</i> , 2001

(Cont.)

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Pig <i>Sus scrofa</i>	Wild boar <i>Sus scrofa</i> <sup>f</sup>	10000 BP 8500 BP	Southwest Asia China	Global	Males and females from several wild boar populations; Chinese pigs in Europe in nineteenth century	Larson <i>et al.</i> , 2005; Fang <i>et al.</i> , 2006
Horse <i>Equus caballus</i>	Wild horse <i>Equus ferus</i> <sup>a</sup>	5500 BP	Kazakhstan	Global	Wild mares during dispersal, Iberian horses	Warmuth <i>et al.</i> , 2012; Cieslak <i>et al.</i> , 2012
Donkey <i>Equus asinus</i>	African wild ass <i>Equus africanus</i> <sup>b</sup>	5500 BP	Sudan	Global (relatively rare in Europe and North America)		Rosenbom <i>et al.</i> , 2015
Rabbit <i>Oryctolagus cuniculus</i>	Wild rabbit <i>Oryctolagus cuniculus</i> <sup>a</sup>	1400 BP	Southern France	Global		Carneiro <i>et al.</i> , 2014
Chicken <i>Gallus domesticus</i>	Red jungle fowl <i>Gallus gallus</i> <sup>f</sup>	4500 BP 8000 BP	India Indochina	Global	Grey jungle fowl ( <i>Gallus sonneratii</i> ) in India	Tixier-Boichard <i>et al.</i> , 2011
Turkey <i>Meleagris gallopavo</i>	Mexican turkey <i>Meleagris gallopavo</i> <sup>f</sup>	2000 BP	Mexico	Global		Thornton <i>et al.</i> , 2012
Guinea fowl <i>Numida meleagris</i>	Helmeted guinea fowl <i>Numida meleagris</i> <sup>f</sup>	2000 BP	Africa	Global		Larson <i>et al.</i> , 2014
Domestic duck <i>Anas platyrhynchos</i>	Mallard <i>Anas platyrhynchos</i> <sup>f</sup>	1000 BP	Southern China	Global	Wild population, permanently	Larson <i>et al.</i> , 2014
Muscovy duck <i>Cairina moschata</i>	Muscovy duck <i>Cairina moschata</i> <sup>f</sup>	4000 BP	South America	Global	Wild population, permanently	Stahl <i>et al.</i> , 2006
Goose <i>Anser anser</i> Chinese goose	Greylag goose <i>Anser anser</i> <sup>f</sup> Swan goose <i>Anser cygnoides</i> <sup>f</sup>			Global	Wild populations, permanently	Shi <i>et al.</i> , 2006; Wang <i>et al.</i> , 2010

<sup>1</sup> Superscript letters next to the species names indicate their risk status according to the IUCN Red List of Threatened Species (<http://www.iucnredlist.org>) as of October 2014: a = Extinct; b = Critically endangered; c = Endangered; d = Vulnerable; e = Near threatened; f = Least concern.

<sup>2</sup> Taurine and zebu cattle are commonly considered to have been domesticated separately. Alternatively, zebus may have emerged as a result of wild male and female introgression in taurine cattle introduced from the west (Larson and Burger, 2013).

<sup>3</sup> Female introgression rare (Achilli *et al.*, 2008; Stock *et al.*, 2009); role of male introgression and of the Mediterranean aurochs unclear (Lari *et al.*, 2011).

In addition to the references cited in the table, see Mason (1984), Mignon-Grasteau *et al.* (2005) and Larson *et al.* (2014).