

Supplemental data for:

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Supplemental Table 1

Distribution of European transboundary breeds (TBs) and their risk status. In red, TBs classified as endangered or unknown at European level; in blue, TBs not endangered at European level but endangered or unknown in all the countries; the remaining are not endangered at European level, and in at least one country. Countries are identified by two-letter ISO code.

Species	By one country	By two or three countries	By four and more countries
Cattle	Azerbaijan Zebu (AZ)	Armorican (FR, UK)	Angeln (BE, LT, UA, UK)
	Buša (AL)	Belgian Blue mixte (NL, BE)	Bazadais (BE, FR, IE, UK)
	Dahomey (NL)	Breton Black Pied (FR, UK)	Danish Red (DK, LV, LT, RO, UK)
	Fries Hollands (BE)	Caucasian (GE, RU, TR)	
	Glan Donnersberg (NL)	Caucasian Brown (AZ, GE)	
	Jutland cattle (NL)	Estonian Red (AL, AZ)	
	Mölltaler (AT)	Fighting Bull (PT, ES)	
	Murboden (AT)	Greater Caucasus (AM, RU)	
	Simford (IL)	Groningen White-Headed (NL, UK)	
	Vache Maraichine (NL)	Heck cattle (NL, FR)	
		Hinterwald (DE, CH)	
		Kostroma (BY, RU)	
		Lebedin (AZ, UA)	
		Podolian (IT, RS)	
		Polish Red (PL, UA)	
		Russian Brown (BY, RU)	
		Whitebacked Cattle (LT, UA)	
Goat	Carpathian Goat (RO)	Azerbaijan (AM, AZ)	Maltese (GR, IT, MT, TR)
	Coloured Chamois Goat (CH)	Brown Shorthair Goat (CZ, SK)	Valais Blackneck (AT, CZ, DK, DE, CH)
	Mingrelian (TR)	Dutch Pied (DE, NL)	
	Walliser Schwarzhals Ziege (NL)	Grisons Striped (AT, CH)	
		Karachai (GE, RU)	
		Peacock Goat (AT, CH)	
		Poitou (BE, FR, NL)	
		Weiße Deutsche Edelziege (AT, DE, LT)	
		White Shorthaired Goat (CZ, SK)	
Horse	Altai (RU)	Anglo-Kabarda (DE, RU)	Budyonny (DE, LT, RU, UA)
	British Warmblood (CZ)	Ardennes (FR, DE, PL)	Furioso-Northstar (AT, HU, RO, SK)
	Czech Warmblood (CZ)	Bavarian Warmblood (DE, UK)	Gidran (BG, HR, HU, RO)

	Dagestan Pony (RU)	Boulonnais (BE, FR, DE)	Hutsul (AT, CZ, DE, HU, PL, RO, SK, UA)
	Estonian Draft (RU)	Camargue (FR, DE, UK)	Merens Pony (BE, FR, DE, IT, NL)
	Gelder horse (NL)	Comtois (FR, DE)	Nonius (AL, HR, HU, RO, RS, SK)
	Groninger horse (NL)	Finnhorse (FI, DE)	
	Irish Cobb (CZ)	French Saddlebred (BE, FR, LU)	
	Karachai (RU)	Gotland Pony (FI, DE, SE)	
	Kladruby (DE)	Polish Konik (DE, NL, PL)	
	Pinkafö (AT)	Pottok (FR, ES)	
	Posavina (SI)	Tarpan (DE, PL, UA)	
	Silesian Norik (CZ)	Tersk (DE, RU, UK)	
	Slovak Warmblood (SK)	Tinker (BE, DE, NL)	
		Tuigpaard (BE, DE, NL)	
		Westphalian Warmblood (DE, UA)	
Pig	British Landrace (BE)	Bunte Bentheimer (DE, NL)	Finnish Landrace (BE, FI, LT, NL)
	Mangalitsa Blond (HU)	Kahyb (AL, HU)	Norwegian Landrace (BE, IS, LT, NL, NO, RS)
	Mangalitsa Swallow Belly (CH)	Mangalitsa Red (HU, RO)	
	North Caucasus (RU)	Ukrainian (AM, UA)	
	Polish Large White (BG)	Swedish Landrace (HR, RS, SE)	
	Swedish Large White (LT)		
	Turopolje (AT)		
Sheep	Badger Face Welsh Mountain (NL)	Balbas (AM, AZ)	Askanian (BG, RO, RU, SK, UA)
	Bentheimer Landschaf (NL)	Beltex (IE, UK)	Bleu Du Maine (BE, FR, IE, NL, UK)
	Cotentin (FR)	Blanc Du Massif Central (FR, PL)	German Blackheaded Mutton (AT, CZ, DK, DE, HU, NL)
	Gedek (RU)	Blue Texel (BE, DE, NL)	Herdwick (BE, DE, NL, UK)
	Heidschnucke (NL)	Bozakh (AM, AZ)	Merinolandschaf (AT, AZ, HR, CZ, DE, HU, ME, MK, PT, RS, ES, UA)
	Istrian (IT)	Brigasca (FR, IT)	Ouessant (BE, CZ, DK, FR, DE, LU, NL)
	Karabakh (AM)	Brown Mountain (AT, DE)	Racka (AT, DK, HU, NL, RO)
	Latvian Darkheaded (UA)	Cambridge (NL, UK)	Skudde (CZ, DE, LU, NL, CH)
	Mouflon (NL)	Carinthian (AT, DE, NL)	Swifter (BE, DK, DE, NL)
	North Caucasus Semi-Fine Wool (RU)	Castlemilk Moorit (BE, NL, UK)	Valais Blacknose (AT, DE, NL, CH)
	North Ossetian Semi-Fine Wool (RU)	Caucasian Merino (RO, RU, UA)	Vendeen (FR, IE, PT, UK)
	Olkusz (CZ)	Chushka (MD, UA)	Zwartbles (BE, CZ, DK, DE, NL, UK)
	Romanian Zackel (RO)	Cikta (DE, HU)	
	Russian Mountain Merino (RU)	Coburger Fuchs (AT, DE, NL)	
	Salsk (RU)	Dala (EE, FI)	
	Soviet Mutton-Wool (RU)	Devon and Cornwall Longwool (NL, UK)	
	spólsau (NL)	French Alpine (FR, MK)	
	Steppe Voloshian (RU)	Galway (IE, UK)	

	Tiroler Bergschaf (IT)	German Mountain (AT, CZ, DE)	
	Uhruska (PL)	Hebridean (NL, UK)	
	Waldschaf (DE)	Herik (AZ, TR)	
		INRA 401 (FR, NL, UK)	
		Jura (CZ, IT)	
		Kempen Heath (BE, NL)	
		Krainer Steinschaf (AT, DE, NL)	
		Kuibyshev (MD, RU)	
		Leine (CZ, DE, PL)	
		Lezgian (AZ, RU)	
		Lleyn (DK, NL, UK)	
		Manx Loaghtan (NL, UK)	
		Mazekkh (AM, AZ)	
		Mergelland Schaap (BE, NL)	
		Norfolk Horn (NL, UK)	
		North Caucasus Merino (RU, UA)	
		North Ronaldsay (NL, UK)	
		Portland (NL, UK)	
		Precoce (FR, PT, ES)	
		Prekos (LT, RU)	
		Rouge Du Roussillon (FR, DE)	
		Roussin De La Hague (FR, UK)	
		Rygja (DK, FI)	
		Solognot (FR, NL)	
		Stavropol (RO, RU)	
		Tiroler Steinschaf (AT, DE, IT)	
		Valachian (CZ, DE, S K)	
		Vlaams Schaap (BE, NL)	
		Welsh Hill Speckled Face (NL, UK)	
		Yugoslav Zackel (BA, RS)	