**On the Conservation of Cattle genetic resources - the Role of Breeds**

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**Appendix**

**1. Cattle breeds by country**

See Table 1 for an explanation of the breed categories. Local-international refers to the subcategory Local populations of international breeds and Global/International to the subcategory Global or International purebred imported. For non-European breeds a zeboïd (taurindicine) or bovine species origin, early or later import of exotics and local development (Local Euro-Asian or Local Euro-African derivatives and Exotic-local composites, respectively) are indicated. Asterisks indicate according to the available information rare and vulnerable breeds and double asterisks endangered breeds. *Italics* indicate names in the local language for which no English name exists. Indentations indicate breed varieties.

**EUROPE**

**Scandinavia and Finland**

**Denmark**

Extinct

Black Pied Danish Dairy 1965

Danish Red-and White Shorthorn

Land cattle

Landrace

Agersoe\*\*

Authentic  
Jutland\*

herds:

*Kortegaard\*\**

*Oregaard\*\**

*Westergaard\*\**

*Vesterboelle\*\**

Black Pied Jutland Dairy\*\*

Red Danish Dairy 1970\*\*

Local derivative

Black Pied Danish Dairy 1949\*\*

Local-international

Danish Shorthorn\*\*

Composite

Viking Red

Multiple composite

Danish Forest\*\*

Americanized local

Danish Holstein

American-European

Danish Red Dairy

Danish Red Pied

Global / International

Aberdeen-Angus

American Beef Shorthorn

Belgian White-Blue

Blonde d'Aquitaine

Brown Swiss

Charolais

Danish Jersey

Dexter

Galloway

Gelbvieh

Hereford

Highland

Limousin

Milk Shorthorn\*\*

Piemontese

Salers

Simmental

Swiss Brown

Tyrol Grey

Witrik

**Finland**

Authentic

Eastern Finncattle\*\*

Northern Finncattle\*\*

Western Finncattle\*

Local derivative

Finnish Ayrshire

Composite

Viking Red

Global

Aberdeen-Angus

Blonde d’Aquitaine

Charolais

Finnish Holstein-Friesian

Hereford

Highland

Limousin

Piemontese

Simmental

**Iceland**

Authentic

Icelandic Dairy

Global / International

Aberdeen-Angus

Icelandic Galloway

Limousin

**Norway**

Extinct

Blacksided Trondheim

Coastal land cattle

*Gudbrandsdal*

*Hallingdal*

*Hedmark*

*Hordaland*

Horned Lowland

Lyngdal

Malselv

Northland

Norwegian Red-and-White

Osterdal

Red Trondheim

Roros

South and Westland

Trönder

*Valdres*

Authentic

Blacksided Trondheim and  
 Nordland\*

Doela\*\*

Red Polled Eastland\*\*

*Jarlsberg*\*\*

Telemark\*\*

Western Fjord\*\*

Westland Grey Möre\*\*

Westland Red Polled\*\*

Reconstructed

Faeroes\*\*

Continuous cross

Norwegian Red

Global / International

Aberdeen-Angus

Ayrshire

Charolais

Galloway

Hereford

Jersey

**Sweden**

Extinct

*Amasa*

*Frövidal*

*Gotland*

Herjeadals

Herrgard

*Jonstrop*

Oland

Red Pied Swedish

Rorbottenland

*Sabyland*

Scanian

Smaland

Swedish Lowland

Viking Red

*Waldholm*

Authentic

Allmoge\*\*

Ringmala\*\*

Swedish Mountain\*

Bohus Polled\*\*

Fjall\*\*

Swedish Red Polled\*\*

Ringamala\*\*

Vane\*\*

Continuous cross

Swedish Red-and-White

Global / International

Aberdeen-Angus

Blonde d’Aquitaine

Charolais

Galloway

Hereford

Highland

Limousin

Simmental

Swedish Ayrshire\*\*

Swedish Holstein

Swedish Jersey

**Northeastern Europe**

**Estonia**

Extinct

Estonian land cattle

Authentic

Estonian Native\*

Local derivative

Estonian Red

Local-international

Estonian Black Pied

Global

Aberdeen-Angus

Blonde d’Aquitaine

Charolais

Estonian Holstein

Hereford

Highland

Limousin

Piemontese

**Latvia**

Extinct

Latvian Red Pied

Latvian Light red

Latvian Dairy

Latvian Black Pied

Authentic

Latvian Blue\*\*

Local-derivative

Latvian Brown

Global / International

Aberdeen-Angus

Angeln

Ayrshire

Aubrac

Belgian White-Blue

Blonde d’Aquitaine

Brown Swiss

Charolais

Danish Red

Dexter

Estonian Red

Galloway

German Red

Grey Steppe

Heck cattle

Hereford

Highland

Jersey

Latvian Holstein

Latvian Red Holstein

Limousin

Lithuanian Red

Montbéliard

Norwegian Red

Piemontese

Salers

Simmental

Swedish Red-and-White

Swiss Brown

Tyrol Grey

Ukrainian Grey

Continuous cross

Cross Breed Dairy

Cross Breed Beef

**Lithuania**

Extinct

Polled Lithuanian land cattle

Lithuanian Dairy

Landrace

Lithuanian Ash Grey\*\*

Lithuanian White Back\*\*

Local-international

Lithuanian Black Pied

Local multiple composite

Lithuanian Red

Global / International

Angeln

Aubrac

Ayrshire

British Friesian

Brown Swiss

Charolais

Danish Red

German Red Pied DP

Hereford

Limousin

Lithuanian Holstein

Hereford

Simmental

Swedish Black Pied

Swedish Red-and-White

**Poland**

Extinct

Bukowina Mountain

*Dolinowa*

East Prussian Black Pied

Goralen Mountain

*Klodzka*

Kreuzberg

Mandans

Polish Brown

*Rawicka*

Sandeck

Silesian Red

Silesian Whiteback

Valachian Dwarf

*Wilna*

Zulawka

Landrace

Polish Whitebacked\*\*

Authentic

*Podgórska*\*\*

Local derivative

Polish Red\*

Local-international

Polish Black-and-White Lowland

Mazury\*\*

Polish Red-and-White Lowland

Global

Aberdeen-Angus

Charolais

Hereford

Jersey

Piemontese

Polish Black-and-White HF

Polish Simmental

Salers

Bovine composite

*Żubroń*

**British Isles**

**England, Scotland, Wales and Channel Islands**

Extinct

Aberdeenshire

Alderney

Anglesey

Angus Doddie

Beevbilde

Black Beevbilde

Blended Red-and-White Shorthorn

Brae-Glen

Buchan Humlie

Castlemartin

Dewsland

Durham

Earsham Polled

Fifeshire

Forfarshire

Glamorgan

Holderness

Montgomeryshire

Lancashire

Lincoln Red (Original)

Leicestershire

Lord Caernarvon’s breed

Norfolk Horned

North Wales Black

Orkney

Pembroke

Sheeted Somerset

Suffolk Polled

Teeswater

Warwickshire

Yorkshire

Authentic

Aberdeen-Angus (original pop.)\*\*

Tyrone Black

Red Angus

Ancient Cattle of Wales\*\*

color types:

Belted Welsh\*\*

White Welsh\*\*

Ayrshire\*

Beef Shorthorn\*

Belted Galloway\*

Red Belted

British Friesian

Poll Friesian\*

Red-and-White Friesian\*

Galloway\*\*

British White\*

Chillingham\*\*

Original Population Dairy Shorthorn\*\*

Devon\*

Dexter

Galloway\*

color types:

Dun Galloway\*\*

Red Galloway\*\*

Rigget Galloway\*\*

White Galloway\*\*

Gloucester\*

Guernsey (Island)\*

Hereford Traditional\*

Highland\*

Jersey (Island)

Lincoln Red\*\*

Longhorn

Northern Dairy Shorthorn\*\*

Red Poll\*

South Devon

Sussex \*

Vaynol\*\*

Welsh Black\*

Whitebred Shorthorn\*\*

White Park\*

herds:  
 Cadzow\*\*

  Chartley\*\*

  Dynevor\*\*

  Whipsnade\*\*

Local deriv./cross

Shetland\*

Swona\*\*

reconstructed

Blue Albion\*\*

Composite

British Polled Hereford\*

Luing\*

Polled Sussex

Polled Welsh Black\*\*

Sussex new type

Multiple composite

Polled Lincoln Red

Americanized local

Aberdeen-Angus

Ayrshire

British Holstein

Dairy Shorthorn\*

Guernsey

Hereford

Jersey

Poll Shorthorn\*

Global / International

Aubrac

Australian DairyShorthorn

Bazadaise

British Blonde

British Blue

British Charolais

British Limousin

British Black Limousin

British Simmental

Brown Swiss

Chianina

Gasconne

Gelbvieh

Heck cattle

Illawarra

Maine-Anjou

Marchigiana

Meuse-Rhine-Issel

Montbéliarde

Murray Grey

Normande

Parthenais

Piemontese

Salers

Swedish Red & White

Viking Red

Continuous cross

Stabiliser

Terminal F1 cross

Black Hereford

Bluegrass

Blue Grey

Hereland

Jersian

Sim-Luing

WBS/Highland X

**Ireland, N.Ireland**

Extinct

Dexter

Drimmon

Donegal Reds

Irish Dun

Irish Longhorn

Polled Irish

Authentic

Drimmon\*\*

Irish Moiled\*\*

Kerry\*\*

Local-international

Irish Friesian

Irish Shorthorn

Americanized local

Holstein-Friesian

Global / International

Angus

Aubrac

Ayrshire

British Blue

Blonde d'Aquitaine

Charolais

Hereford

Jersey

Limousin

Meuse-Rhine-Issel

Montbéliard

Normande

Parthenais

Piedmont

Salers

Simmental

Wagyu

**Western continental Europe**

**Belgium**

Extinct

Ardennes landrace

Belgian Black Pied

Belgian Red Pied

Campine land cattle

*Cassel*

Central and Upper Belgian

Condroz

Eastern Red-pied Ardennes

Famenne

Hervé Black Pied

Limon Blue

Polders Black Pied

*Veurne-Ambacht*

Red-pied Eastern Belgian

Authentic

West Flemish Red\*\*

Red Beef Type\*

Local derivative

Belgian White-Blue

Belgian White-Blue dual- purpose

East Flemish White- and-Red\*\*

Reconstructed

Campine Red Pied\*\*

Americanized local

Belgian Black Pied- Holstein

American-European

Belgian Red Pied- Holstein

Global / International

Bazadaise

Blonde d'Aquitaine

Brown Swiss

Charolais

Dutch Belted

Fleckvieh

Heck cattle

Highland

Jersey

Lakenvelder

Limousin

Maine-Anjou

Marchigiana

Montbéliarde

Normande

Parthenaise

Salers

Simmental

Wagyu

**France**

Extinct

*Aganaise*

*Albanaise*

*Albigeoise*

*ALPHA 16*

*Angavine*

*Anglès*

*Angoumoise*

*Ardennaise*

*Artésienne*

*Aspe*

*Augeronne*

*Aure*

*Auvergnate*

*Bailleuloise*

*Barétous*

*Barousse*

*Bas-Adour*

*Basco-Béarnaise*

*Bas-Rhin*

*Basquaise*

*Bazougers*

*Béarnaise*

*Beauceronne*

*Beaufort*

*Bédous*

*Berguenarde*

*Berrichonne-Brennouse*

*Bessarde*

*Bessine*

*Bleue du Limon*

*Blonde des Pyrénées*

*Bordelaise*

*Boucquemon*

*Boulonnaise*

*Bourbonnaise*

*Bournaisienne*

*Brayonne*

*Bressane*

*Bresse*

*Bretonne de Saint Brieux*

*Bretonne Rouge et Pie Rouge*

*Brune de Guingamp*

*Carhaisienne*

*Carolaise*

*Casseloise*

*Cauchoise*

*Causse*

*Cévennes*

*Comtoise*

*COOPELSO 93*

*Cornouailles*

*Cotentine*

*Dauphinoise*

*Dombes*

*Durcet*

*Durham-Bretonne*

*Durham-Mancelle*

*Eifel*

*Fémeline*

*Flamande originelle*

*Forézienne*

*Française Frisonne Pie-Noire*

*Garonnaise*

*Garonnaise de côteau*

*Garonnaise de plaine*

*Gasconne à muqueuses noires*

*Gasconne de Lauraguais*

*Gâtinaise-Choletaise*

*Gâtine*

*Gesienne*

*Gévaudan*

*Guisarde*

*Haut Bugey*

*INRA 9*

*Isigny*

*Laguiole*

*Landaise*

*Léonnaise*

*Limagne*

*Maine-Anjou latiere*

*Mancelle*

*Marchoise*

*Marine*

*Marmandaise*

*Maroillaise*

*Mayennaise*

*Merlerault*

*Meymac*

*Meyssac*

*Mézenc*

*Micahaille*

*Montagne Noire*

*Montalbanaise*

*Mont Dor*

*Morvandelle*

*Münster*

*Namponnaise*

*Néracaise*

*Nivernaise*

*OMEGA 47*

*Ossau*

*Pays Sault*

*Percheronne*

*Péricourdins*

*Picarde*

*Pie Rouge de Carhaix*

*Pie Noire Morbihannaise*

*Poitevine*

*Provençale*

*Quercy*

*Rennaise*

*Rouerge*

*Rouge de l’Ouest*

*Roussillon*

*Saint Girons*

*Saintongeoise*

*Saint Poloise*

*Salvagnac*

*Sarlabot*

*Ségala*

*Simmental d'Alsace*

*Solognote*

*Solzerienne*

*Soule*

*Tachetée de l’Est*

*Tarasconne*

*Tourache*

*Treignac*

*Urt*

*Valognaise*

*Vendéenne*

*Vendonnaise*

*Vivardaise*

Landrace

*Albera:*

*Albera Hêtre*\*\*

*Albera Noire*\*\*

*Betizú*\*\*

*Corse*\*

*Marine*\*\*

Authentic

*Abondance*

*Alpine Hérens\**

*Evolène*\*\*

*Aubrac*

*Bazadaise\**

*Béarnaise*\*\*

*Bretonne Pie Noir\**

*Casta*\*\*

*Charolaise*

*Ferrandaise*\*\*

*Froment du Léon*\*\*

*Gasconne*

*Jersiaise*

*Limousine*

breed lines:

*type tardif*

*type mixte*

*type viande*

*Lourdaise*\*\*

*Maraîchine*\*\*

*Massanaise*\*\*

*Mirandaise*\*\*

*Montbéliarde*

*Nantaise*\*\*

*Normande*

*Parthenaise*

*Raço di Biòu*

*Salers*

*Salers Latier*\*\*

*Salers vergeade*\*\*

*Tarentaise*

*Villard-de-Lans*\*\*

*Vosgienne\**

Local derivative

*Armoricaine*\*\*

*Bleue du Nord (rameau mixte)\**

*Flamande laitier\**

*Flamande mixte\**

*Rouge des prés*

Reconstructed

*Bordelaise (nouvelle)*\*\*

Local-international

*Simmental française*

Local multiple composite

*Saônoise*\*\*

color types:

*Augeronne*\*\*

*Caille-Blond*\*\*

*Durham*\*\*

*Manceau*\*\*

*Percheronne*\*\*

Local amalgamate

*Blonde d'Aquitaine*

Americanized local

*Brune*

*Prim'Holstein*

American-European

*Pie Rouge des Plaines*\*\*

Global / International

*Aurochs reconstrué*

*Blanc Bleue Belge*

*Canadienne*

Galloway

*Guernsiaise*\*\*

Hereford

Highland

*Race de Combat*

Continuous cross

Corsican crossbred

*INRA 95\**

Terminal F1 cross

*Charollandais*

**Germany**

Extinct

Aischgründ

*Alb*

Allgäu

Altmuh valley

Baunach

Bavarian land cattle

Bavarian Red

Bayreuth Spotted

Bishopric

Berchtergaden

Black Pied Holsteiner

Bramstedt

Branntager

Breitenburg

Cleve

Chamau

Dachau Moor

Ditmarsh

East Friesian

East German Black Pied

Eiderstedt

Ellingen-Weissenburg

Franconian

Glan-Donnersberg

*Genotyp 67\**

Hassberg

Hesse-Westphalian Red

Itsgründ

Itz and Baunach

Jeverländ

Kellheim

Krempermarsh

Lower Swabian

Mainland

Messkircher

Miesbach

Münster runts

Neckar-Heilbron

New Miesbach

Obermain valley

Ochsenfürt

Odenwäld

Oldenburg Geest

Oldenburg-Wesermarsh

Old Franconian

Red East Friesian

Red North Schleswig dairy

Red Pied East Friesian

Red Pied Lower Rhineland

Red Pied Schleswig-Holstein

Red Pied South Oldenburg

Red Pied Westphalian

Red and Yellow Moor

Rhineland

Röhn

Röhn-Spessart

Rottal

Sauerland

Scheinfeld

Schönwäld

Schwalm

Schweinfürt

Sechsämt

Siegerland

Spessart

Swabian-Hall

Swabian-Hall Brown blazed

Taunus

*Teck*

*Tiger*

Tondern

Tyrol Grey-brown

Mountain

Unicoloured Red-brown East Friesian

Upper and Lower Bavarian land  
 cattle

Volmau

Waldeck

Weida

Wesermarsh

Westwäld

Wilstermarsh

Wittgenstein Blazed

Württemberg Brown

Württemberg Spotted

Authentic

German Black Pied Lowland\*

Hinterwald\*\*

Murnau-Werdenfels\*\*

Vorderwäld\*

Reconstructed

Angeln (original)\*\*

Ansbach-Triesdorf\*\*

Donnersberg Red\*

German Red Highland:

Harz Red\*\*

Hesse Red\*\*

Vogelsberg\*\*

Vogtland Red\*\*

Westphalian Red\*

Glan\*\*

Lahn \*\*

*Limpurger*\*\*

Local-international

German Angus

German Fleckvieh

Fleckvieh beef

German Original Brown\*\*

  Belted Swiss  
Brown\*\*

German Pinzgauer\*

Pinzgau beef\*

German Red Pied DP\*

*Land Shorthorn*\*\*

Composite

*Uckermärker*\*\*

Wilseder Red*\**

Local multiple composite

Angeln-German Red

German Black Pied Dairy\*\*

Yellow Franconian

Gelbvieh beef

Multiple composite

*Auerox*\*

Heck cattle\*

*Taurus\*\**

Americanized local

German Holstein

German Brown

Global / International

Aubrac

Belgian White-Blue

Belted Galloway

Blonde d’Aquitaine

Cachena

Charolais

Chianina

Dahomey

Dexter

German Beef Shorthorn

German Galloway

German Red Holstein

Hereford

Highland

Holstein

Hungarian Grey

Jersey

Limousin

Lincoln Red

Luing

Maine-Anjou

Piemontese

Pustertal

Salers

Swedish Mountain

Texas Longhorn

Tux-Zillertal

Welsh Black

Vosgienne

Wagyu

Watusi

Welsh Black

Dwarf Zebu

Terminal F1 cross

*Shorbrack*

*Steibu*

**Luxembourg**

Extinct

*Ardennaise ou Meusienne*

Global

Belgian White-Blue

Charolais

Limousin

Luxembourg Holstein

Luxembourg Red Pied

**Netherlands**

Extinct

Friesian

*Bovian*

Groningen white head

North Holland

Red Pied Dual Purpose

Sand and heather land cattle

South Holland Islands

Authentic

*Baggerbont*\*\*

Black Pied Dutch- Friesian\*

Groningen Whiteheaded\*

*Lakenvelder\**

Meuse-Rhine-Yssel\*

Burnt red\*

Red Pied Friesian\*\*

*Witrik\**

Composite

*Ecolander*\*\*

Improved Red Pied

Red Beggar\*\*

Multiple composite

*Tauros*\*\*

Americanized local

Dutch Black Pied H

American-European

Dutch Red Pied H

Global / International

Angus

Bazadaise

Belgian White-Blue

Belted Galloway

Blonde d'Aquitaine

Brown Swiss

Charolais

Chianina

Dahomey

Dexter

Fleckvieh

Galloway

Gasconne

Glan

Heather cattle

Heck cattle

*Oostvaarders  
 plassen  
 Heckrund\**

Hereford

Highland

Holstein

Hungarian Grey

Jersey

Limousin

Maraîchine

Marchigiana

Maremmana primitivo

Montbéliarde

Parthenaise

Piemontese

Polled Hereford

Salers

Sayaguesa

Simmentaler

Texas Longhorn

Tudanca

Vosgienne

Watusi

Wagyu

**Central Europe**

**Austria**

Extinct

Allgäu

Bernese Spotted

Brenner

Bregenz Grey-yellow Wood

Brixental

Brown Helmet

Carinthian Blazed

Danube Fleckvieh

Durtal

East Styrian Fleckvieh

Feldsberg

Gföhl-Zwetteln

Helmer Blazed

Immendorf

Inntal Spotted

Innviertel Fleckvieh

Jochberg

Kampete

Kematen

Kitzbühl

Klostertal

Landl

Lavanttal

Lechtal

Light Helmet

Lungau

Maltein

Mariahof

Mariahof-Lavanttal

Mölltal

Montafon

Murboden-Mürztal

Mürztal

Paznaun

Pongau

Pustertal

Raabs

Rauris

See

Selrain

South Styrian  
Carinthian land  
 cattle

Spotted Mountain

Sterzing

Stubai

Styrian Brown

Stockeraur

Thandberg

Tux

Tyrolese

Tyrolese Brown

Tyrolese Fleckvieh

Tyrolese Pinzgauer

Vorarlberg Brown

Vorarlberg Grey-brown Mountain

Walsertal

Wels Spotted

Wipptal

Zillertal

Landrace

Rhaetian Grey\*

Authentic

Ennstal Spotted Mountain\*\*

color types:

Helmet\*\*

Kampete\*\*

*Jochberger Hummel*\*\*

Murboden\*\*

*Pinzgauer*

*Pustertaler\*\**

Tux-Zillertal\*\*

Tyrol Grey\*

Waldviertel Blond\*\*

Local-international

Austrian Fleckvieh

Austrian Original Brown\*

Local multiple composite

Carinthian Blond\*\*

Local amalgamate

Austrian Yellow\*

Americanized local

Austrian Brown

American-European

Austrian Dairy Simmental

Global / International

Angus

Austrian Black Pied Holstein

Blonde d’Aquitaine

Charolais

Chianina

Dahomey

Heck cattle

Highland

Hungarian Grey

Limousin

**Czech Republic**

Extinct

Berno-Hana

Bohemian-Berne

Bohemian Wood

Budweiser

Cheb

Czech Black Pied

Czech Red Pied

Czechoslovakian Red Pied

Hrbinecky

Kladsko-Sudeten Red

Kravarsky

Lisna Red

Manhartsberg

Mariadvur

Moravian Red

Moravian Red Pied

Opotchno

*Plava akvitsanske*

Stitary

Sudeten Red

Sumava

Authentic

Czech Red\*\*

Local-international

Czech Fleckvieh

American-European

Czech Pied Dairy

Global / International

Aberdeen-Angus

Ayrshire

Belgian White-Blue

Blonde d’Aquitaine

Brown Swiss

Charolais

Czech Holstein

Galloway

Gasconne

Hereford

Highland

Jersey

Limousin

Masny Simmental

Montbéliard

Piemontese

Salers

Swiss Brown

**Hungary**

Extinct

*Bonyhádi*

Bonyhádi-Simmental Landrace

Carpathian Mountain

Dairy Hungarian Brown

Dairy Hungarian Pied

Hungarian Brown

Hungarofries

Karst

Red Pied Landrace of Allföld

Authentic

Hungarian Grey\*

Local-international

Hungarian Pied

Composite

Scentes Red\*

American-European

Bavarian Simmentall

Global / International

Aberdeen-Angus

Ayrshire

Belgian White-Blue

Blonde d’Aquitaine

Charolais

Danish Jersey

Gelbvieh

Heck cattle

Hereford

Hungarian Holstein-Friesian

Jersey

Limousin

Lincoln Red

**Slovakia**

Extinct

Bukowina Mountain

Carpathian Mountain

Mandans

Podhalaner

Slovakian Red

Valachian Dwarf

West Galizian-Carpathian

Local derivative

Slovakian Carpathian Brown

Local-international

Slovakian Pied

Slovakian Pinzgau

Americanized local

Slovakian Brown

Global

Aberdeen-Angus

Blonde d’Aquitaine

Charolais

Hereford

Limousin

Masovy Simmental

Piemontese

Slovakian Holstein

Swiss Red Pied

**Switzerland**

Extinct

Appenzel

Bernese

Bryenz

Bündner Mountain

*Feldis*

Fribourg

Frütig-Adelboden

*Glarus*

Goms

Graubünden-Oberland

Illiez

*Interlaken*

Jura

Livin

Lötsch

*Oberhasli*

*Oberwalden*

Schwyz

*Simmental-Saanen*

Toggenburg

*Uri*

Authentic

Edelweiss Simmental\*

*Evolèner*\*

*Hérens*

Original Swiss Brown

*Gurtenvieh*\*\*

Whitebacked\*\*

Simmental

Americanized local

Swiss Brown

American-European

Swiss Red Pied

Swiss Holstein

Global / International

Angus

Aubrac

Blonde d’Aquitaine

Dexter

Galloway

Grey Mountain

Hereford

Highland

Hinterwäld

Limousin

Jersey

Rhaetian Grey

**Southwestern Europe**

**Italy**

*Extinct*

*Abruzzese*

*Bardigiana*

*Bellunese*

*Berciana*

*Bergamo*

*Bionda Tortonese*

*Bolognese*

*Brina*

*Cabellota*

*Camandona*

*Campanina*

*Canavese*

*Carmagnola*

*Carnia*

*Carniella*

*Carpigiana*

*Collina delle Marche*

*Cornigliese*

*Demonte*

*Drautal*

*Friulana*

*Friulana pezzata rossa*

*Grigia di Val d’Adige*

*Grigia di Val di Fiemme*

*Grigia di Val d’Ultimo*

*Grossetana*

*Marchigiana gentile*

*Meraner*

*Modenese di pianura*

*Modicana primitivo*

Mölltal

*Murgese*

*Ossolane*

*Ottonese*

*Passeier*

*Perugiana*

*Pezzata Rossa Norica*

*Piemontese ordinaria*

*Pinerlo*

*Racconigi*

*Romagnola gentile*

*Romagnola di montagna*

*Siciliana Grande*

*Siciliana Picolo*

*Susa*

*Ultimo*

*Valdarno*

*Val di Chiana*

*Valtarese*

*Valtellina*

*Varzese*

*Pugliese del basso Veneto*

*Vintschauer*

*Welschtirol*

Landrace

*Garfagnina*\*\*

Authentic

*Burlina*\*\*

*Cabannina*\*\*

*Calvana*\*\*

*Chianina*

*Cinisara*

*Grigia Alpina*

*Marchigiana*

*Maremmana*

*Maremmana primitivo*\*\*

*Modenese*\*

*Modicana:*

*Montanina*

*Olivestra Modicana*

*Rossa Siciliana*

*Montana rossa*\*\*

*Podolica Italiana:*

*Podolica Calabrese*

*Podolica Campanina*

*Podolica Lucana*

*Podolica Pugliese*

*Pontremolese*\*\*

*Pusteria*\*\*

*Reggiana*\*\*

*Rendena*

*Romagnola*

*Sarda\**

*Valdostana pezzata*

*nera-castana:*

*Valdostana castana\*\**

*Valdostana pezzata nera\*\**

*Valdostana pezzata rossa*

Local derivative

*Pasturina*\*\*

*Pezzata rossa d’Oropa*\*\*

*Pisana*\*\*

*Sardo-Modicana*

Local-international

*Bruno Italiana Vecchio Ceppo\**

*Pezzata rossa Italiana*

*Pinzgau\**

*Sarda Bruna*

*Savoiarde*\*\*

Local multiple composite

*Agerolese*\*\*

*Pantelleria*\*\*

*Piemontese*

Americanized local

*Bruna Alpina*

Global

Charolais

*Holstein Italiana*

Jersey

Limousin

Terminal F1 cross

*Frati*

**Malta**

Reconstructed

Maltese Ox\*\*

Global

Chianina

**Portugal**

Extinct

*Jarmelista*

*Mirandez estremenho*

*Turino*

Authentic

*Alentejana*

*Algarvia*\*\*

*Aracena*\*\*

*Arouquesa*

*Barrosã*

*Brava de Lide*

*Cachena\**

*Garvonesa*\*\*

*Marinhoa*

*Maronesa*

*Mirandesa*

*Beiroa*

*Braganseça*

*Campo*

*Preta\**

Local derivative

*Mertolenga:*

*Bragado do Sorroia*

*Malhado do baixo Guadiana*

Local multiple composite

*Ramo Grande*\*\*

Local-international

*Galega/Minhota*

Global / International

*Brava dos Açores*

Charolais

*Frisia-Holstein*

Gelbvieh

Hereford

Limousin

Salers

Continuous cross

*Madeira Mixed*

Terminal F1 cross

*Chamusco*

**Spain**

Extinct

*Agrupación Eo*

*Agrupaciones-Serrañas*

*Alistana*

*Almanzoreña*

*Atigrado de Salamanca*

*Avileña-Negra*

*Calasparreña*

*Campurriana*

*Castiliana*

*Casta Cabrera*

*Casta Carriquirris*

*Casta Castellana*

*Casta de la Tierra*

*Casta de los Gallardo*

*Casta Espinosa y Zapata*

*Casta Jijona*

*Colorada extremeña*

*Frizoña*

*Llanuras*

*Lebaniega*

*Leonesa*

*Lorquina*

*Marinera*

*Negra Ibérica*

*Rubia andaluza*

*Sanabresa*

*Verinesa*

Landrace

*Monchina\**

Authentic

*Albera:\**

*Albera Negra\**

*Fagina\**

*Almanzoreña*

*Asturiana de la Montaña*

*Asturiana de los Valles*

*Asturiana musculosa*

*Blanca Cacereña*\*\*

*Berciana*

*Berrenda en Colorado*\*\*

*Berrenda en Negro andaluza*\*\*

*Betisoak*\*\*

*Bruna de los Pirineos*

*Cachena\**

*Caldelá*

*Canaria\**

*Cárdena andaluza*\*\*

*Frieiresa*\*\*

*Gallega*

*Ganado Bravo*

*herds:*

*Casta Arann\**

*Casta Domec\**

*Casta Miura\**

*Casta Pablo Romero\**

*Casta Ramirez\**

*Casta Urguino\**

*Casta Vazquez\**

*Casta Vega-Villar\**

*Casta Veragua\**

*Casta Vistahermosa\**

*Lidia Casta Navarre\**

*Limiá*\*\*

*Mallorquina*\*\*

*Menorquina*\*\*

*Morucha*

*Morucha Variedad Negra*

*Murciana-Levantina*\*\*

*Huertana*\*\*

*Negra andaluza\**

*Pajuna*\*\*

*Axarquia*\*\*

*Pallaresa*\*\*

*Palmera*\*\*

*Pasiega*\*\*

*Pirenaica*

*Retinta andaluza*

*Salinera*

*Sayaguesa*\*\*

*Serrana Negra*\*\*

*Pinariega*\*\*

*Serrana de Soria*

*Serrana de Teruel*\*\*

*Terraña*\*\*

*Terraña gorbeana*\*\*

*Terraña de la Sierrra*\*\*

*Tudanca*

*Vianesa*\*

Local crossbred

*Marismeña*\*\*

Local amalgamate

*Alistana-Sanabresa\**

*Avileña-Negra Ibérica*

*Bociblanca*\*\*

Local-international

*Parda de Montaña*

Global / International

Brown Swiss

Charolais

Gelbvieh

*Frizoña-Holstein*

Hereford

Limousin

Salers

Simmental

**Southeastern Europe, Balkan**

**Albania**

Extinct

Mursi

Landrace

Albanian Busha:

Illyrian Dwarf-Gurgucka\*\*

Illyrian Dwarf- Lekbibaj\*\*

Prespa Dwarf\*\*

Shkodra Red

Marolais\*\*

Local-international

Albanian Simmental\*\*

Global / International

Albanian Holstein- Friesian

Belgian White-Blue

Charolais

Dutch-Friesian

Estonian Red

German Black Pied Lowland

Guernsey

Holstein-Friesian

Jersey

Limousin

Maremmana

Marchigiana

Montbéliard

Norwegian Red

Oberinntal Grey

Piemontese

Simmental

Tarentaise

**Bosnia-Herzegovina**

Extinct

Imljani black

Neretva

Posavina

Wocheind

Tolmeind

Landrace

Gacko\*\*

Polim Busha\*\*

Spreca\*\*

Global / International

Brown Swiss

Holstein-Friesian

Simmental

Tyrol Grey

**Bulgaria**

Extinct

Red Sadovo

Sofia Brown

Stara Planina

Landrace

Rodope Shorthorn\*\*

Pomak Red\*\*

Authentic

Iskar\*\*

Local derivative

Bulgarian Brown

Multiple composite

Bulgarian Red\*\*

Local-international

Bulgarian Simmental\*

Continuous cross

Improved Rodope\*\*

Global / International

Aberdeen-Angus

Angeln

Ayrshire

Blonde d’Aquitaine

Bulgarian Black Pied Holstein

Charolais

Danish Red

Jersey

Limousin

Polled Hereford

Salers

Simmental

Swiss Brown

Tyrol Grey

**Croatia**

Extinct

Croatian Pinzgau

Imljani black

Istar-Karst

Kranjsko

Labin

Lika

Neretva

Landrace

Croatian Busha\*\*

Croatian Red\*\*

Authentic

Boskarin\*\*

Slavonian Podolian\*\*

Local derivative

Dalmatian Grey

Local-international

Croatian Brown

Croatian Simmental

Global

Croatian Black Pied

Swiss Brown

**Cyprus**

Extinct

Cyprus

Messaoria

Paphos

Global / International

Dairy Shorthorn

Holstein-Friesian

Jersey

**Greece**

Extinct

Andros

Asguru

Cretan lowland

Cretan mountain

Epiros

Gávdos

Greek Steppe

Corfu

Mediterranean-Anatolian Primitive

Naxos

Parot Pigeon

Pieira

Rhodos

Samos Island Dwarf

Skýros

Thessaly

Tilos Island

Tinos

Landrace

Greek Shorthorn:

Acheloos\*\*

Agrinio dark\*\*

Agrinio white ivory\*\*

Amorgos\*\*

Dervenhoria\*\*

Folégrandos\*\*

Nysiros\*\*

Peloponnese\*\*

Perdikaki Shorthorn\*\*

Prespa Dwarf\*\*

Rodope Shorthorn\*\*

Skópelos\*\*

Kastellorizon\*\*

Katerini\*\*

Sykia\*\*

West Macedonian\*\*

Local crossbred

Black Etolokarnania\*\*

Kea\*\*

Metsovo Red\*\*

Sifnos Island\*

Svitsika\*\*

Thrace\*\*

Global

Blonde d’Aquitaine

Charolais

Greek Friesian Black Pied

Limousin

Swiss Brownn

Simmental

**Kosovo**

Landrace

Dukagjini Busha\*\*

Sharri Busha\*\*

**Macedonia**

Landrace

Macedonian Busha\*\*

Pomak Red\*\*

Prespa Dwarf\*\*

Local crossbred

Macedonian black Busha\*\*

Global / International

Hereford

Holstein

Simmental

Tyrol Grey

**Moldova Republic**

Extinct

Bessarabian Grey

Bessarabian Red

Moldavian Red Steppe

Local derivative

Moldovian-Estonian Red\*\*

Global / International

Aberdeen-Angus

Angus

Estonian Red

Limousin

Moldavian Black-and-White

Piemontese

Red Steppe

Simmental

Continuous cross

Black Lemming

**Montenegro**

Extinct

Pester Busha

Landrace

Dukagjini Busha\*\*

Red Metohian\*\*

Montenegro Busha\*\*

Global

Brown Swiss

Holstein-Friesian

Limousin

Simmental

**Romania**

Extinct

Bucsan

Danube miniature

Dobrogea Red

Dobrudja

German Rosie

Ialomita

Maramures Brown

Romanian Grey

Obstesc

Red German

Risca

Romanian Mountain

Transylvanian Grey

Landrace

Mocanitsa\*\*

Moldavian\*\*

Local derivative

*Dorna*\*\*

Romanian Brown

Romanian Red

Local-international

Romanian Spotted

Transylvanian Pinzgau\*\*

Global / International

Danish Red

Jersey

Latvian Brown

Lithuanian Red

Polish Red

Red Poll

Romanian Black Pied Holstein

Santa Gertrudis

Shorthorn

**Serbia**

Extinct

Podolian Simmental

Landrace

Dukagjini Busha\*\*

Kolubara\*\*

Metohija Red\*\*

Pester Busha\*\*

Serbian Busha\*\*

Sharri Busha\*\*

Srem Podolian\*\*

Local derivative

Serbian Brown

Local-international

Serbian Domestic Spotted\*\*

*Siva*\*\*

Global / International

Charolais

Hereford

Limousin

Simmental

Tyrol Grey

**Slovenia**

Extinct

Bohinj Cika

Goricka

Koruska Blond

Pomurska

Slovenian Busha

Slovenian White

Tolmin Cika

Local derivative

Cika\*

Local-international

Pinzgavac\*

Slovenian Brown

Savinja Grey

Slovenian Pied Slovenian Red Pied

Global

Belgian White-Blue

Charolais

Galloway

Highland

Limousin

Montbéliard

Red Holstein

**Eastern Europe**

**Belarus**

Extinct

Goralen Mountain

Goryn

Majdaner

Menno-Fries

Polesian Marsh

Local-international

Belarus Black Pied

Belarus Red\*

Multiple composite

Belarus Synthetic\*

Global / Internatinal

Aberdeen-Angus

Brown Swiss

Charolais

Hereford

Kostroma

Limousin

Swiss Brown

Simmental

**Russia (European Part)**

Extinct

Babaev

Bryansk Forest

Chuwash-Mari

Don

Gorbatov

Goryn

Great Russian land cattle

Kalmuck

Kargopolian

Komi

Lenfa

Mezen

Miskov

Murmansk

North Russian Polled

Oka

Oka Black Pied

Pashkov

Perm

Petsjora branch of the Kholmogory

Rokschenga

Simbirsk

Schenkursk

Syrjänen

Ssuchona

Tscherdian

Vladimir

Vychegdo-Vym

Waldais

Werschnedwina

Wijtegras

Zarizyner

Landrace

Petsjora\*\*

Authentic

Kalmyk:

Lower Volga

North Caucasian

Kholmogory

Yaroslavl

Local derivative

Red Pied Kareliyan\*\*

Russian Ayrshire

Russian Red Steppe

Suksun\*

Local multiple composite

Bestuzhev

Gorbatov Red\*\*

Istoben

New North Caucasian

Tagil:

Tagil-Dutch

Tagil-standard

Starotagil

Tambov Red\*\*

Yurino\*\*

Local-international

Russian Black Pied:

Central Russian Black Pied

Ural Black Pied

Russian Simmental:

Sychevka

Ural Simmental

Volga Simmental

Russian Swiss

Composite

Lebedin

Multiple composite

Kostroma

American-European

Kholmogory Hybrid

Global / International

Aberdeen-Angus

Angeln

Aubrac

Ayrshire

Blonde d'Aquitaine

Charolais

Chianina

Danish Red

Danish Jersey

Dutch Friesian

Galloway

German Black Pied

Hereford

Limousin

Russian Holstein

Salers

Simmental

Swiss Brown

**Ukraine**

Extinct

Cherkassy

Chernigov

Crimean

Cuban Red

Dnieper

Donetsk

Hutzul

Kuban-Black Sea

Kuban Red

Kuban Steppe

Odessa

Podolian

Podolian Black Pied

Polesian Marsh

Red Colonist

Taurien

Tschernomeridian

Ukrainian Whitebacked

Werschowen

Authentic

Ukrainian Grey\*

Local derivative

Red Ukrainian:

Donetsk

Crimean Red

Zaporiz

Ukrainian Carpathian Brown

Ukrainian Whiteheaded\*

Local-international

Ukrainian Black Pied

Ukrainian Pinzgau

Ukrainian Simmental

Multiple composite

Askian Meat\*

New Red Dairy\*

Ukrainian Beef\*

breed lines:

Polessian\*

Southern Ukrainian\*

Volynsk\*

Znamensk\*

Ukrainian Red-and-White

American-European

Ukrainian Dairy Red\*\*

Global /International

Angus

Aberdeen-Angus

Ayrshire

Charolais

Chianina

Cuban Zebu

Hereford

Piemontese

Simmental

Swiss Brown

Ukraine Holstein selection Canadian

Ukraine Holstein selection European

Continuous cross

Ukrainian-Polish Red

Terminal F1 cross (?)

Holloway

**ASIA**

**Southwest Asia**

**Armenia**

Extinct

Armenian landrace

Lori

Exotic-local composite

Caucasian Brown

**Azerbaijan**

Extinct

Azerbaijan Red

Authentic

Azerbaijan Zebu

Exotic-local composite

Azangus

Azerbaijan Brown

Global / International

Polled Hereford

**Dagestan**

Extinct

Dagestan Brown

Landrace

Dagestan Mountain

North Caucasian

Exotic-local composite

Caucasian Brown

**Georgia**

Landrace

Greater Caucasus:

Georgian Mountain

Khevsurian\*\*

Lesser Caucasus:

Mingrelian Red\*

Exotic-local composite

Caucasian Brown

**Iran**

Extinct

Khuzestan landrace

Landrace

Bami

Dashtiari

Golpayegani

Khorsan Zebu

Kurdi

Mazanderani

Sistani

Talishi

Authentic

Sarabi

Local crossbred

Nejdi

Global / International

Ayrshire

Charolais

Danish Red

Holstein-Friesian

Jersey

Montbéliard

Red Sindhi

Swiss Brown

**Iraq**

Landrace

Dishti

Jenubi

Kurdi

Authentic

Sharabi

Exotic-local composite

Rustaqi

Global / International

Ayrshire

Danish Red

Holstein-Friesian

Jersey

Red Sindhi

Swiss Brown

**Israel / Gaza Strip**

Landrace

Oksh\*\*

Exotic composite

Israeli Red

Global / Internatinal

American Brahman

Charolais

Hereford

Hinterwäld

Israeli Holstein

Santa Gertrudis

Simford

Simmental

Swiss Brown

Tyrol Grey

**Jordan**

Landrace

Arab\*\*

Global / International

Aberdeen-Angus

American Brahman

Dutch-Friesian

Hereford

Holstein

Jersey

Santa Gertrudis

Simmental

**Lebanon**

Extinct

Beirut

Landrace

Baladi\*

Authentic

Lebanese

Global / International

Damascus

Danish Red

Holstein-Friesian

Jersey

Swiss Brown

**Syria**

Landrace

Bedu

Jaulan

Authentic

Lebanese\*

Damascus\*

Chesi

Global / International

Angeln

Danish Red

Holstein-Friesian

Jersey

Swiss Brown

**Turkey**

Extinct

*Çukurova*

*Diyarbakir*

*Dörtyol*

*Eleskirt*

*Halep*

*Karacadag*

*Karaisali*

*Kultak*

*Malakan*

*Seferihisar*

*Siverek*

*Urla*

Landrace

Anatolian Grey

East Anatolian Red

*Çildir\*\**

*Göle\*\**

Kurdi

Native Black

Native Southern Yellow\*

South Anatolian Yellow Red\*

*Kilis\**

*Maras\**

Exotic-local composite

Anatolian Black Pied

Turkish Brown

Eskisehir Brown

Yellow Pied

Zavot\*\*

Global

Aberdeen-Angus

Anatolian Black Pied

Angeln

Brown Swiss

Hereford

Jersey

Limousin

Simmental

Swiss Brown

**Arabian peninsula**

**Bahrein**

Global / International

Holstein-Friesian

Jersey

Meuse-Rhine-Yssel

**Kuwait**

Global / International

Guernsey

Holstein-Friesian

**Oman**

Landrace

Zufari

Global

Holstein-Friesian

**Quatar**

Global

Holstein-Friesian

Jersey

**Saoudi Arabia**

Landrace

Bedouin

Hassawi\*

South Arabian Zebu

Global / International

Devon

Holstein-Friesian

Jersey

Limousin

Meuse-Rhine-Yssel

**United Arab Emirates**

Global

Holstein-Friesian

**Yemen**

Extinct

Socotra

Landrace

Yemeni Zebu

**Central Asia**

**Kazakhstan**

Landrace

Kalmyk\*\*

Kazakh\*\*

Local Euro-Asian derivative

Aulie-Ata

Red Steppe

Exotic-local composite

Byelagolova

Exotic-local multiple composite

Ala-Tau

Aulyakol

Global / International

Angus

Brown Swiss

Charolais

Dutch-Friesian

Hereford

Simmental

Swiss Brown

**Kyrgyzstan**

Landrace

Central Kirgiz\*\*

North Kirgiz\*\*

Exotic-local composite

Aulie-Ata

Exotic-local multiple composite

Ala-Tau

Global

Dutch-Friesian

Simmental

Swiss Brown

Yak

Yak (domestic)

**Tadzhikistan**

Landrace

Tadzhik Zeboïd

Pamir

Exotic-local composite

Schwyz-Zeboïd

TSSH-1

Global / International

Holstein-Friesian

Russian Swiss

Swiss Brown

**Turkmenistan**

Landrace

Khurasani

Turkestan Zebu\*

Global

Holstein-Friesian

**Uzbekistan**

Extinct

Kuramin

Fergana

Landrace

Central Asian Zebu

Karakalpak

Exotic-local composite

Bushuev

Global

Angus

Dutch-Friesian

Hereford

Holstein-Friesian

Simmental

Swiss Brown

**Central-south Asia**

**Afghanistan**

Landrace

Afghan

Kandahari

Konari

Shakhansurri

Vatani

Global / International

Brown Swiss

Dutch-Friesian

Holstein-Friesian

Jersey

Red Sindhi

Sahiwal

Tharparkar

Zeboïd continuous cross

Afghan Subtropical

**Bangladesh**

Extinct

Dacca-Faridpur

Kamdhino

Munshigani

Landrace

Bengali

Madaripur

North Bangladesh Grey

Red Chittagong

Shahjadpur

Global / International

Dutch-Friesian

Hariana

Holstein-Friesian

Jersey

Sahiwal

Zeboïd continuous cross

Pabna

Bibovine

Mithun

**Bhutan**

Landrace

Bajo

Goleng

Jaba

Trahbum

Bibovine

Bami

Bibovine composite

datsa

datum

doeb

doebum

doethra

doethram

jatsa

jatsum

thrapa

thrabum

yanka

yankum

Yak

Yak (domestic)

Bovine hybrid

MithunSiri

yakow

**India**

Extinct

Agar

Bagondha

Benne Chavadi

Bagondha

Bettadapur

Bhur

Brownsind

Chitaldrug

Deccan

Dhaurahra

Geonti

Goranea

Gujamavu

Gujerat

Hagalvadi

Hissar-Hansi

Kangam

Khariar

Konkan

Krishnagiri

Lingadahalli

Madras Red

Malabar

Malnad Gidda

Mandsur

Manjra Singhai

Masti dana

Midighesi

Nagar

Nundi dana

Patha

Parehar

Pavagada

Shahabadi

Swanta Gosu

Vadhyal

Vadhiyar

Landrace (desi)

Assam local

Bhagalpore

Goomsur

Iduki\*

Kapila

Kasargod dwarf\*\*

Khariar

Khasi

Kumauni

*Kuttanbula kullan*

Ladakhi

Ladakh Hill\*\*

Madhya Pradesh dwarf zebu\*

varieties:

Mampati\*

Ramgarhi\*

Son Valley\*

Malnad Gidda\*\*

Motu

*Naattukuttai*\*\*

North Bengal Grey

Punganoor\*

Purnea

Vattakari\*

Vechur\*\*

Authentic

Alambadi\*

Amritmahal

Bargur

Dangi:

Kalakheri

Sonkheri

Deoni

Deogir

Gangatiri\*\*

Gaolao

Gir

Hallikar

Hariana

Hissar

Kangayam

Manapari

Kankrej

Sanchori

Kenkatha

Kherigarh

Khillari

Atpadi Mahal

Devni

Mhaswad

Nakali Khillari

Thillari

Malaimadu

Malvi

Saugar

Umatwara

Nagori

Nari

Ongole

Deverakota

Ponwar

Pulikulam

Red Kandahari\*

Red Sindhi

Sahiwal

Siri

Swanta Gosu

Tarai

Tharparkar

Cutchi

Local crossbreed

Bachaur

Binjharpuri

Nimari

Khamala

Mewati

Shahabadi

Umbalachery\*\*

*Attukari Madu*

*Ganapathiyan Madu*

*Mariapillai Madu*

*Sooriyankattu Madu*

*Venna Madu*

Local multiple composite

Krishna Valley\*\*

Rath

Rathi\*

Bibovine

Mithun / Gayal

Arunachali:

adi

aki

nishi

Manipuri

Mizorami

Nagami

Zeboïd local derivative

Taylor\*

Zeboïd composite

Frieswal\*

Jersind\*\*

Karan Fries

Karan Swiss

Sunandini

Phule Triveni

Zeboïd multiple composite

Kamaduk

Global / International

Australian Milking Zebu

Ayrshire

Danish Red

Dutch-Friesian

Holstein

Jersey

New Zealand Taurindicus

Swiss Brown

Zeboïd continuous cross

Holstein x desi

Jersey x desi

Yak

Arunachal yak:

Bareback type

Bisonian type

Common type

Hairy forehead type

Himachal yak

Ladakh yak:

Feral yak

Mountain type

Plateau type

Sikkim yak:

Aho yak

Bho yak

**Nepal**

Landrace

Achham\*

Kirko

Lulu

Morang

Nepalese Zebu:

Nepalese Hill Zebu

Kathmandu Valley Zebu

Authentic

Ponwar

Siri

Local derivative

Kachcha Siri

Local crossbred

Tarai

Global / International

Bachaur

Hariana

Holstein-Friesian

Jersey

Kherigarh

Sahiwal

Yak

Nepalese yak

Bovine hybrid

yakow

**Pakistan**

Landrace

Achai

Las Bela

Authentic

Bhagnari

Dhanni

Kankarej

Lohani

Red Sindhi

Rojhan

Sahiwal

Local crossbreed

Cholistani

Cutchi

Dajjal

Thari

Local multiple composite

Hissari

Zeboïd composite

Nari Master

Global / International

Ayrshire

Australian Milking Zebu

Droughtmaster

Dutch-Friesian

Holstein-Friesian

Jersey

New Zealand Taurindicus

Zeboïd continuous cross

Friesian x desi

**Sri Lanka**

Landrace

Sinhala

Local derivative

Tamankaduwa

Zeboïd local derivative

Hatton\*\*

Global / International

Australian Friesian-Sahiwal

Australian Milking Zebu

Ayrshire

Dutch-Friesian

Finnish Ayrshire

Gujarati

Holstein

Jersey

Killari

Kinniya

Meuse-Rhine-Yssel

Ongole

Red Sindhi

Sahiwal

White Sindhi

**East Asia**

**China**

Extinct

Bainiu

Changning

Dashanqian

Erlitou

Gaotai

Meiniu

Pingchuan

Pinzhou

Shanghai

Tangjiao

Taosi

Wanniu

Xiaohe

Yangba

Landrace

Hazake

Menggu

Anxi

Horqing

Ujumqin

Sanjiang

Tibetan Dwarf

Authentic

Bashan:

Chiya

Miaoya

Pingli

Qinba

Xizhen

Xuanhan

Bohai Black

Dabieshan:

Dabie Mountain

Huangpi

Dengchuan

Zhaotong

Diqin

Ebian Spotted

Fuzhou

Guanfeng

Hainan Humped

Hmong

Jiaxian Red

Ji’an

Jinan

Jinnan Yellow

Keerqin

Leiqiong

Leizhou

Lepcha

Lingnan

Luxi:

Szyang

Tanyang

Minnan

Nanyang

Panjiang

Guanling

Liping

Longlin

Sinan

Wenshan

Pingchuan

Pinglu Mountain

Qinchuan

Zaosheng

Wannan

Wenling Humped

Wuling:

Enshi

Xiangxi

Yanbian

Yunnan Zebu:

Dali

Dehong

Xishuangbanna

Zaobei

Zhoushan

Bibovine

Dulong

Local Euro-Asian derivative

Sanhe

Exotic-local composite

Caoyuan Red

Xinjiang Brown

Global / International

Aberdeen-Angus

Australian Braford

Charolais

Dairy Shorthorn

Droughtmaster

Hereford

Holstein

Limousin

Murray Grey

Red Sindhi

Red Poll

Simmental

South Devon

Continuous crosss with exotics

Chinese Black-and-White

Beijing Black Pied

Yak

Henduan Alpine yak:

Alpine yak

Bazhou

Huanhu

Jiulong

Yardong

Qinghai-Tibet Plateau yak:

Gannan

Luqu

Maiwa

Qinghai Plateau yak:

Tianzhu White yak

Zhongdian

Bovine hybrid

yakow:

false pien niu

improved pien niu

local pien niu

**Japan**

Extinct

*Atsuta Tsuru*

*Fuki Tsuru*

*Kenrangyu*

*Mishima ushi*

*Nambu*

*Shusuku Tsuru*

*Tonkaku Washu*

*Wagyu*

*Yoshi Tsuru*

Landrace

*Kuchinoshima\*\**

Authentic

Mishima\*

Local Euro-Asian derivative

Japanese Black

Hyogo

Shimane

Tajima

Tottori

Exotic-local composite

Japanese Brown:

*Kochi*

*Kumamoto*

Japanese Shorthorn

Global / International

Angus

Ayrshire

Beef Shorthorn

Blonde d'Aquitaine

Charolais

Devon

Gasconne

Hereford

Japanese Holstein

Jersey

Limousin

Maine-Anjou

Montbéliard

Murray Grey

Normande

Salers

Simmental

South Devon

Swiss Brown

Tarentaise

Continuous cross with exotics

Japanese Poll\*

**Mongolia**

Landrace

Mongolian

Gobi Steppe

Khalkun Golum

Exotic-local composite

Mongolian Whiteheaded

Mongolian Yellow Brown

Selenge

Global / International

Ala-Tau

Swiss Brown

Holstein-Friesian

Continuous cross with exotics

Mongolian Black Pied

Yak

Mongolian yak:

Common yak

Bareback yak

Bovine hybrid

yakow

**North Korea**

Landrace

Korean Native

**Russia**

**(Asian part)**

Extinct

Altay

Buryat

Kemerovo

Oka

Russo-Siberian

Siberian White

Transbaikalian

West Siberian

Landrace

Yakut

Kalmyk

Exotic-local composite

Russian Simmental:

Far Eastern Simmental

Siberian Simmental

Siberian Black Pied

Exotic-local multiple composite

Kurgan\*

Global / International

Ayrshire

Brown Swiss

Charolais

Jersey

Hereford

Holstein-Friesian

Kholmogory

Milking Shorthorn

Swiss Brown

Yaroslavl

**South Korea**

Landrace

Cheju

Korean Black

Authentic

Korean Brown

Chickso

Global

South Korean Holstein

**Southeast Asia**

**Cambodia**

Landrace

Cambodian:

Highland Khmer

Lowland Khmer

Moi

Bovine hybrid

Lowland Khmer × banteng

Highland Khmer × banteng

**Hong Kong**

Authentic or extinct

Hong Kong Zebu

Global

Ayrshire

Holstein

Jersey

**Indonesia**

Extinct

*Blateran Java*

Mirrit

Sumatra cattle

Authentic bibovine composite:

Javanese

*Galekan*

*Rambon Banyuwangi*

*Jawi Pandaan*

Madurese

Local derivative of bibovine composite

Borneo Zebu

Kabota

Kaningan

Javanese Ongole

Javanese Zebu

Merauke

Sumatra Ongole

*Pesisir*

*Aceh*

Bibovine

Bali cattle

White Bali cattle

*Rambon Bali*

*Rambon Madura*

Global / International

American Brahman

Australian Frieswal

Australian Milking Zebu

Droughtmaster

Dutch-Friesian

Gir

Hissari

Holstein

Kankrej

Limousin

Montgomery

Mysore

Santa Gertrudis

Simmental

Sumba Ongole

New Zealand Taurindicus

Continuous cross with exotics

Grati

FH red pied

FH red pied dual-purpose

**Laos**

Landrace

Laotian:

Laos Yellow

Ngoua

Bibovine

gayal

International

Sahiwal

**Malaysia**

Authentic

Kedah-Kelantan

Bibovine

gayal

Exotic-local composite

Brakmas

Charoke

Global / International

American Brahman

Angus

Australian Frieswal

Australian Milking Zebu

Bali cattle

Braford

Charolais

Droughtmaster

Hallikar

Hereford

Holstein-Friesian

Kangayam

New Zealand Taurindicus

Ongole

Red Sindhi

Sahiwal

Continuous cross with exotics

Local Indian Dairy

Mafriwal

Bovine hybrid

*selembu*

seladang x Holstein-Friesian

**Myanmar (Burma)**

Landrace

Burmese:

Burmese Racing

Shan

Local crossbred

Chaubauk

*Kadonta*

*Kyank Phu*

*Pyar Phu*

*Pyar Zein*

*Shwe Ni Gyi*

Bibovine

Mithun

Global / International

Finnish Ayrshire

Red Sindhi

Sahiwal

Tharparkar

**Philipines**

Extinct

Philamin

Landrace

Batanas Black

Authentic bibovine composite

Batangas

Bibovine multiple composite

Ilocos:

Large Ilocos

Small Ilocos

Iloilo

Global / International

Afrikander

American Brahman

Australian Frieswal

Ayrshire

Brown Swiss

Charolais

Danish Red

Hallikar

Hereford

Holstein

Illawarra

Indo-Brazilian

Jersey

Ongole

Red Sindhi

Sahiwal

Santa Gertrudis

Tharparkar

**Taiwan**

Extinct

Taiwan Yellow

Landrace

Taiwan Black

Exotic-local composite

Taiwan Zebu

Global / International

Charolais

Droughtmaster

Holstein

Red Sindhi

Sahiwal

Santa Gertrudis

Tharparkar

**Thailand**

Authentic bibovine composite

Thai:

Thai Fighting

Thai Highland

Thai Lowland

Bibovine

gayal

Global / International

American Brahman

Charolais

Danish Red

German Brown

Hereford

Holstein-Friesian

Jersey

Limousin

New Zealand Taurindicus

Red Angus

Red Sindhi

Sahiwal

Swiss Brown

Local crossbred or continuous cross

White Lumpoon

*Kho Peun Nyang Thai E San*

**Vietnam**

Landrace

Hmong

North Vietnamese Yellow

*Cao Bang*

*U Riu*

Bibovine

gayal

Local crossbred

South Vietnamese Yellow:

*Ba Ria*

*Phu Yen*

*Tuy-Hoa*

*Thanh-Hoa*

Tonkin Zebu

Exotic-local composite

Laisind

Global / International

Charolais

Holstein-Friesian

Ongole

Red Sindhi

Sahiwal

**AFRICA**

**North Africa**

**Algeria**

Extinct

*Aïn-Beïra*

*Biskra*

*Beni Sliman*

*Chéliff*

*Oran*

*Tiaret*

Authentic

*Brune de l’Atlas:*

*Chaouia*

*Guelma\*\**

*Cheurfa\*\**

*Kabyle\*\**

Global / International

Aubrac

Charolais

Holstein-Friesian

Montbéliarde

Normande

Piemontese

Simmental

Tarentaise

**Egypt**

Authentic

Egyptian:

Damietta

Egyptian Baladi

Menufi

Maryuti

Hassawi

Saidi

Global

Brown Swiss

Hereford

Holstein-Friesian

Jersey

Shorthorn

Continuous cross with exotics

Khalit

**Libia**

Authentic

Libyan Shorthorn

Global / International

Brown Swiss

Holstein-Friesian

Jersey

Montbéliarde

Tarentaise

**Morocco**

Extinct

*Beni-Ashene*

*Blond Zaërs*

*Branes*

*Demnat*

*Fez-Meknès*

*Oulmès Blond*

*Zemour*

Authentic

*Brune de l’Atlas:*

*Blonde d’Oulmès et des Zaërs*

*Noire Pie de Meknès*

*Tidili*

Global / International

Aubrac

Brown Swiss

Charolais

Holstein-Friesian

Montbéliarde

Santa Gertrudis

Tarentaise

**Tunisia**

Extinct

*Béja*

*Blonde-du Cap Bon*

*Ichkeul*

*Mateur*

*Kef*

Authentic

*Brune de l’Atlas:*

*Guelma\*\**

*Djerba\*\**

Exotic-local multiple composite

*Thibar*

Global / International

Aubrac

Charolais

Finnish Ayrshire

Holstein-Friesian

Limousin

Modicana

Montbéliarde

Normande

Ongole

Red Sindhi

Sahiwal

Tarentaise

**West Africa**

**Benin**

Extinct

*Pabli*

Authentic

West African Shorthorn:

*Lagunaire\**

*Somba*

*Zébu Peul*

Local crossbred

*Borgou*

*Borgou-zébu*

Global /Internatinal

N'Dama

**Burkina**

Authentic

Savannah Shorthorn:

*Baoulé*

*Baoulé de Ghana*

*Lobi*

*Somba*

*Zébu Peul*

Local crossbreed

*Méré*

Continuous cross

*Bobori*

Global / International

Holstein-Friesian

N'Dama

**Chad**

Authentic

*Kouri*

Savannah Shorthorn:

*Logone*

*Taurin de l'Est*

*Shuwa Arabe*

*Kilara*

Local crossbreed

*Fellata*

Local crossbred

*Kanem*

*Toubou*

Global / International

N'Dama

**Cote d’Ivoir**

Extinct

*Oudalan*

Authentic

West African Shorthorn:

*Baoulé*

*Lobi*

*Lagune\*\**

*Peuhl Voltaïque*

Local crossbreed

*Méré*

Local composite

*N'Damaza*

Exotic-local composite

*N’Dama-Jersey*

*N'Damance*

Global / International

Abondance

Jersey

N'Dama

Simmental

*Zébu Peul soudanais*

**Gambia**

Extinct

Gambian Dwarf

Local crossbreed

Gambian N'Dama

**Ghana**

Extinct

Ghana Dwarf Muturu

Authentic

Savannah Shorthorn:

Ghana Shorthorn

Diali

Local derivative

White Sanga

Composite

Ndagu

N'Dama-Sanga

Global / International

Adamawa

Azaouak

Boran

Brahman

Braford

Droughtmaster

Hereford

Holstein

Jersey

N'Dama

Ongole

Red Poll

Sahiwal

Santa Gertrudis

Sokoto Gudali

Swiss Brown

White Fulani

**Guinea**

Authentic

N'Dama

Local crossbreed

*Méré*

Global / International

Ayrshire

Holstein-Friesian

Jersey

Red Steppe

**Guinea-Bissau**

Extinct

*Manjaca*

Authentic

*Boenca*

Local derivative

*N'Gabú*

Local continuous cross

*Foula*

Global /International

Gir

Nelore

**Liberia**

Authentic

Dwarf Shorthorn:

Liberian Dwarf Muturu

Global / International

Angus

Baoulé

Brahman

Brown Swiss

Fouta Longhorn

Hereford

Santa Gertrudis

**Mali**

Authentic

*Adar*

*Baoulé*

*Moor*

*Zébu Peul soudanais:*

*Zébu de Kaarta*

*Zébu Peul de Macina*

*Zébu Peul Sambourou*

*Zébu Peul de  
 Ségou*

*Zébu Toronké*

local crossbreed

*Bambara*

*Méré*

*N'Dama Grande*

Global / International

Charolais

Holstein-Friesian

Jersey

Montbéliarde

Red Sindhi

Sahiwal

Tarentaise

**Mauritania**

Authentic

*Maure*

*Gobra*

*Zébu Peul soudanais*

*Zébu Toronké*

Global

Holstein-Friesian

**Niger**

Authentic

*Gobra*

*Goudali*

*Kouri*

*M’Bororo*

*Abrankeji*

*Nyalawi*

*Poulpulli*

*Touareg*

*Yakanaji*

*Zébu Arabe*

*Batarde*

*Kabi*

*Noble*

*Wadawa*

*Zébu Peul nigérien*

Local crossbred

*Toubou*

Global

Charolais

Tarentaise

**Nigeria**

Extinct

Biu

Yola Gudali\*\*

Authentic

Azaouak

Bamenda

Diali

Kuri

Nigerian Shorthorn:

Bakosi\*

Muturu

Dwarf Muturu

Forest Muturu

Savannah Muturu

Red Bororo

Shuwa Arab

Sokoto Gudali

White Fulani

Local crossbreed

Banyo

Kapsiki\*

Keteku

Local crossbred

Jotko

Lagos Cross

Global / International

American Brahman

Brown Swiss

Butana

Droughtmaster

Holstein

Jersey

N'Dama

Sahiwal

Santa Gertrudis

South Devon

**Senegal**

Extinct

*Manjaca*

Senegambian Shorthorn

Authentic

*Gobra:*

*Dagana*

*Gobra de Baol*

*Gobra de Djoloff*

*Foula*

*N'Dama Petite*

Local derivative

*Djakoré*

*N'Gabou*

Local composite

*Bambey*

*N’Damaza*

Global / International

Holstein-Friesian

Kankrej

Nelore

Red Sindhi

Sahiwal

**Sierra Leone**

Authentic

N'Dama

International

Sahiwal

**Togo**

Extinct

*Avétonou*

Authentic

West African Shorthorn:

*Konkomba*

*Lagunaire grande*

*modele*

*Lagune*

Global / International

Brown Swiss

Fulani

Gelbvieh

Gir

Kankrej

N'Dama

*Shuwa-Aral*

*Wakwa*

**North-Central Africa**

**Cameroon**

Extinct

*Bamiléké*

*Préwakwa*

Authentic

*Arabe Choua*

*Brahaza*

*N'Gaoundéré*

West African Shorthorn:

Bakosi*\*\**

*Bakweri\*\**

*Doayo\*\**

Local crossbreed

*Banyo*

*Kapsiki*

*Yola\*\**

Local crossbred

*Pul-M'Bor*

*Wodabe*

Exotic-local composite

*Wakwa\*\**

Global / International

Brahman

Charolais

Limousin

Montbéliarde

N'Dama

Pinzgauer

Tarentaise

**Centrafrique**

Authentic

*Goudali*

*M’Bororo*

*N'Gaoundéré*

Composite

*N'Dama-M’Bororo*

Global / International

Baoulé

Montbéliarde

N'Dama

White Fulani

**Congo**

International

*Baoulé*

*Lagune*

*N'Dama*

*N'Gaoundéré*

**Gabon**

Composite

Okuma

International

Baoulé

Dahomey

N'Dama

Nguni

Tuli

**Northeast Africa**

**Djibouti**

Authentic

Aden

Afar

**Eritrea**

Extinct

Bileri

Authentic

Abyssinian sanga:

Aradó

Danakil

South Arabian Zebu:

Baherie

Beja

North Sudan Zebu:

Barka

**Ethiopia**

Extinct

Arusi-Galla

Gimira

Authentic

Abyssinian sanga:

Afar

Aradó

Raya-Azebó

Fogera

Horro

Abyssinian Shorthorned Zebu:

Adwa

Ambo

Arsi

Bale

Gamo-Goffa:

Gamo highland

Gamo lowland

Gojjam Highland

Guraghe

Harar

Jem Jem Zebu

Jijjiga Zebu

Mursi

Smada

Sheko

Wollo Highland

Boran Zebu:

Orma Boran

Ogaden Zebu

Hammer Zebu

Karamajong Zebu:

Murle

Nilotic sanga:

Abigar

North Sudan Zebu:

Begait

Dohin

Local crossbreed

Abergelle

Giddu

Goda

Irob

Medenes

Global

Ayrshire

Holstein-Friesian

**Somalia**

Extinct

Bimal

Singhi

Authentic

Awai

Jiddu

North Somali Zebu:

Eastern North Somali Zebu

Western North Somali Zebu

Garre

Magal

Gasara

**Sudan**

Extinct

Nuba Shorthorn

Authentic

North Sudan Zebu:

Baggara

Butana:

Bambawa

Dongola

Shendi

Kenana:

Fung Kenana

Gezira

Ingessana

White Nile Kenana

Habbani

Nyalawi

Red Bororo

Local crossbreed

Beja

Fellata

Kanouri

Nuba Mountain Zebu

Global / International

Ayrshire

Brown Swiss

Holstein-Friesian

Normande

Sahiwal

**South Sudan**

Authentic

Karamajong Zebu

Murle

Toposa

Nilotic sanga:

Abigar

Aliab Dinka

Aweil Dinka

Nuer

Eastern Nuer

Shilluk

Mongalla:

Bari

Didinga

Latuka

**East Africa**

**Kenya**

Authentic

Boran Zebu:

Kenya Boran

Orma Boran

Coastal Zebu:

Durama

Giriama

Kamba

Taita

Karamajong Zebu:

Turkana\*

Suk\*

Kilimanjaro Hill Zebu:

Chagga\*\*

Kikuyu Highland Zebu

Masai Zebu

Western Province Zebu:

Kamasia

Kavirondo

Kipsiki Zebu

Nandi

Samburu

Teso Zebu

Watende

Winam

Exotic-local composite

Boran x Holstein

Kenyawal

Global / International

Afrikander

Ayrshire

Brown Swiss

Charolais

Devon

Finnish Ayrshire

Guernsey

Hereford

Jersey

Kenya Friesian

Kenya Sahiwal

N'Dama

Red Poll

Simmental

Tarentaise

**Tanzania**

Extinct

Masai Grey

Taurindicus

Ugoi

Unguja Shorthorn

Authentic

Ankole:

Enyambu

Iringa Red

Kilimanjaro Hill Zebu:

Chagga\*\*

Mbulu

Pare\*\*

Masai Zebu

Mkalama Dun

Pemba Zebu

Sango

Singida

Tanganyika Shorthorn Zebu

Ugogo

Zanzibar Zebu

Local crossbreed

Nkasi Fipa

Sukuma

Sumbawanga Fipa

Tarime

Exotic-local multiple composite

Mpwapwa\*

Global / International

Afrikander

Australian Milking Zebu

Ayrshire

Boran

Holstein-Friesian

Jersey

Jiddu-Tuni

Red Sindhi

Sahiwal

**South-Central Africa**

**Burundi**

Authentic

*Ankolé:*

*Busoni*

*Inyambu*

*Inyaruguru*

*Mugamba*

*Ruzizi\*\**

International

Sahiwal

**Democratic Republic of Congo**

Extinct

Bantu cattle

Wadai Dinka

Authentic

Angolan

Bahima

Kivu sanga*\**

Bashi*\**

Lugware

Ruzizi*\*\**

Local crossbreed

Alur

Kigezi

Exotic-local multiple composite

Kisantu

Mateba

Global / International

Afrikander

American Brahman

Angus

Barotse

Brown Swiss

Charolais

Devon

Guernsey

Hereford

Holstein-Friesian

Jersey

Lagune

Limousin

Mayombe

N'Dama

Red Sindhi

Sahiwal

Shorthorn

Simmental

Tharparkar

Tonga

**Rwanda**

Authentic

Ankole:\*\*

*Ibigarama\*\**

*Inkuku\*\**

*Inyambo\**

Global / International

Bonsmara

Boran

Holstein-Friesian

Jersey

Sahiwal

Simmental

**Uganda**

Extinct

Sesse Shorthorn

Karagwe Shorthorn

Kigezi Shorthorn

Authentic

Ankole:

Bahima Ankole

Kigezi

Nganda

Nkiga

Nsongora

Ntoro

Ntuku

Karamajong

Jie

Lugware

Nkedi

Local crossbreed

Nyoro

Serere

Kyoga

Usuk

Global / International

Hinterwäld

Holstein-Friesian

Red Poll

Welsh Black

**Indian Ocean Islands**

**Madagascar**

Authentic

*Baria\*\**

*Zébu Malgache*

Exotic-local composite

*Manjan‘i Boina\*\**

*Renitelo\**

Continuous cross with exotics

*Rana*

Global / International

Afrikander

American Brahman

Brown Swiss

Holstein

Limousin

Normande

Norwegian Red

Sahiwal

**Mauritius**

Authentic

*Créole de Maurice\*\**

*Zébu de Maurice*

International

Kankrej

Sahiwal

Zébu Malgache

**Amsterdam Island**

Feral

*Ile d’Amsterdam\*\**

**Seychelles**

Feral

*Felicité\*\**

**Southern Africa**

**Angola**

Authentic

Barotse

*Humbi*

*Kwaniama*

*Mucubai*

*Porto Amboim*

*Tshilengue*

Local crossbred

Damara

Ovambo

Exotic-local composite

*Barra do Cuanzo*

Global / International

Afrikander

Charolais

Brown Swiss

Danish Red

Devon

German Yellow

Hereford

Holstein-Friesian

Red Poll

Santa Gertrudis

Shorthorn

Simmental

**Botswana**

Extinct

Damara-Herero

Mangwato

Ngami

Ngwato

Sekgatla

Local crossbred

Damara

Local amalgamate

Tswana:

Batawana

Sengologa

Seshaga

Exotic-local multiple composite

Musi

Global / International

Afrikander

Bonsmara

Brahman

Charolais

Chianina

Dairy Shorthorn

Hereford

Holstein-Friesian

Simmental

Sussex

Tuli

**Malawi**

Authentic

Malawi Angoni:

North Malawi Angoni

South Malawi Zebu

Exotic-local composite

Mikolongwe

Global / International

Afrikander

American Brahman

Holstein-Friesian

**Mozambique**

Authentic

*Angonia*

*Landim*

Local crossbreed

*Bovines da Tete*

Mashona

Global / International

Afrikander

Aberdeen-Angus

American Brahman

Chianina

Hereford

Holstein-Friesian

Pinzgauer

Santa Gertrudis

Simmental

**Namibia**

Extinct

Herero

Authentic

Caprivi sanga

Kaokoveld

Kashibi

Okavango

Local crossbred

Damara

Ovambo

Exotic-local crossbred

Nama

Exotic-local composite

Holmonger

Nuras

Global / International

Aberdeen-Angus

Afrikander

Belgian White-Blue

Brown Swiss

Charolais

Hereford

Hinterwäld

Holstein-Friesian

Pinzgauer

Red Poll

Shorthorn

Simmental

Sussex

**South Africa, Lesotho, Swasiland**

Extinct

Ama-Xosa

Basuto (original)

Bavenda

Bolowana

Cup-Shape-Horn

Kemp

Long-Twisted-Horn

Namaqua

Notch-Neck

Ondongolo

Pondo

Tintern Black

*Uysbees*

*Vaderlanders*

Zwazi

Zulu

Authentic

Afrikander

Yellow Afrikander

Poll Afrikander

Reconstructed

Royal Zulu herd

Local amalgamate

Nguni:

Bapedi

Shangan

Xosa

West Sanga

Local composite

Borguni

Okouma

Sanganer

Local Euro-African derivative

Drakensberger

Exotic-local composite

Afrigus

Bonsmara

Roodenbos

Vaalhaiz

Wesselsvlei

Huguenot

Supertaler

Symons cattle

Tauricus

Tulim

Global / International

Kashibi

Red Pied Schleswig- Holstein

Gir-Brahman

SA Aberdeen Angus

SA Ayrshire

SA Beefmaster

SA Beef Shorthorn

SA Boran

SA Brahman

SA Braunvieh

SA Brangus

SA Charbray

SA Charolais

SA Chianina

SA Dairy Shorthorn

SA Dairy Swiss

SA Dexter

Dexter-Kerry

SA Gelbray

SA Gelbvieh

SA German Red

SA Gir

SA Guernsey

SA Hereford

SA Highland

SA Holstein

SA Jersey

SA Kerry

SA Limousin

SA Marchigiana

SA North Devon

SA Pinzgauer

SA Red Poll

SA Romagnola

SA Salers

SA Santa Gertrudis

SA Senepol

SA Simbrah

SA Simmentaler

SA South Devon

SA Sussex

SA Wagyu

SA Weebollabolla

Continuous cross

Africarne

Basuto

Bovelder

Veldmaster

**Zambia**

Extinct

Govuvu

Authentic

Angoni

Chipata-Katete

Lundazi

Barotse

Baila

Tonga

Local crossbreed

Fipa

Global / International

Afrikander

German Gelbvieh

Hereford

Holstein-Friesian

Jersey

Sahiwal

Simmental

Sussex

**Zimbabwe**

Extinct

Amabowe

Binga

Govuvu

Makalanga

Manguni

Ngwato

Pecanite

Authentic

Barotse

Tonga

Tuli

Reconstructed

Mashona

Local derivative

Nkone\*\*

Global / International

Afrikander

Aberdeen-Angus

American Brahman

Angoni

Ayrshire

Charolais

Guernsey

Hereford

Holstein-Friesian

Jersey

Pinzgauer

Red Poll

Shorthorn

Simmental

Sussex

**AMERICA**

**Mexico and Central America**

**Costa Rica**

Extinct

*Criollo*

*Mysol*

Authentic

*Criollo lechero tropical* \*\*

Local derivative

*Doran*\*\*

Global / International

Angus

American Brahman

Beefmaster

*Indubrasil*

*Pardo Suizo*

Charbray

*Charolés*

Guernsey

Guzerat

Holstein

Jersey

Nelore

**El Salvador**

Landrace

*Criollo\**

Global / International

American Brahman

Angus

Ayrshire

*Charolés*

Holstein

*Indubrasil*

Nelore

*Pardo Suizo*

Santa Gertrudis

**Guatamala**

Extinct

*Criollo*

Authentic

*Barroso*\*\*

Local taurindicine derivative

*Achiote*

Global / International

American Brahman

Angus

*Charolés*

Holstein

Jersey

*Indubrasil*

Nelore

Santa Gertrudis

**Honduras**

Landrace

*Chino*

Global / International

American Brahman

*Criollo lechero tropical*

Guernsey

Guzerat

Holstein

*Indubrasil*

Jersey

Nelore

*Pardo Suizo*

Red Poll

Sahiwal

Santa Gertrudis

**Mexico**

Landrace

*Chinampo*

*Frijolillo*

Local taurindicine crossbred

*Criollo mexicano*

Local-international

*Ganado Toro de Lidia*

Taurindicine composite

*Tropicarne*

Gobal / International

American Brahman

Angus

Aubrac

Boran

*Charolés*

*Criollo lechero tropical*

Gir

Guzerat

Hereford

*Holstein Mexicano*

*Indubrasil*

*Bonsai Zebu*

Jersey

Limousin

Nelore

New Zealand Taurindicus

Red Sindhi

Salers

Santa Gertrudis

*Suizo Pardo*

**Nicaragua**

Extinct

*Criollo*

Authentic

*Criollo lechero tropical* \*\*

Global / International

American Brahman

Angus

*Charlolés*

Guernsey

Jersey

Holstein

Indubrasil

Nelore

*Pardo Suizo*

**Panama**

Extinct

*Criollo*

Global / International

American Brahman

Australian Milking Zebu

Brangus

*Charolés*

*Criollo lechero tropical*

Guernsey

Holstein

*Indubrasil*

Jersey

Nelore

*Pardo Suizo*

Red Poll

Santa Gertrudis

**The Caribbean**

**Cuba**

Authentic

*Criollo cubano*

Miniature Criollo

*Tinima*

Composite

*Crimousin*

*Taino*

Taurindicine composite

*Caribe*

*Chacuba*

*Siboney de Cuba*

*Mambi*

Global / International

American Brahman

Angus

Ayrshire

*Charolés*

Devon

Gir

Guernsey

Guzerat

Hereford

Holstein

Illawarra

*Indubrasil*

Jersey

Limousin

Milking Shorthorn

Nelore

*Pardo Suizo*

Red Poll

Sahiwal

Santa Gertrudis

Shorthorn

South Devon

Continuous zebu cross

*Cebú Cubano*

**Dominican Republic**

Authentic

*Criollo Lechero l*\*\*

Taurindicine composite

*Romana Rojo\**

Global / International

American Brahman

Angus

Brangus

Charbray

*Charolés*

Holstein

Nelore

*Pardo Suizo*

*Rojo Jamaicano*

Santa Gertrudis

**Haiti**

Landrace

*Créole*

Global / International

American Brahman

Brown Swiss

Jersey

Holstein

**Jamaica**

Extinct

*Creole Jamaicano*

Taurindicine composite

*Jamaica Hope\*\**

*Negro Jamaicano\*\**

*Rojo Jamaicano\**

Multiple zebu composite

*Brahman Jamaicano*

Global / International

American Brahman

Angus

Ayrshire

*Charolés*

Devon

Guernsey

Hereford

Holstein

Jersey

*Pardo Suizo*

Sahiwal

Santa Gertrudis

Shorthorn

South Devon

Welsh Black

**Lesser Antilles**

Local taruindicine derivative

*Créole de la Martinique*

*Créole de Guadeloupe*

Composite

Senepol

Global / International

American Brahman

Brown Swiss

Charolais

Guernsey

Holstein

Jersey

N'Dama

Red Poll

Santa Gertrudis

**Puerto Rico**

Landrace

*Créole*\*\*

Global / International

American Brahman

Ayrshire

Charolés

Holstein

Jersey

*Pardo Suizo*

**Trinidad and Tobago**

Local taurindicine derivative

*Criollo de Trinidad*

*Créole*

Global / International

American Brahman

Australian Milking Zebu

Charbray

*Charolés*

Guernsey

Holstein

*Rojo Jamaicano*

**South America**

**Argentina**

Extinct

*Sierra Criollo*

*Suisbú*

*Tarquinos*

*Tropicall*

*Tropicana*

Landrace

*Chaqueño\*\**

*Fronterizo*

*Ñata\*\**

*Serrano*\*

Local crossbred

*Criollo argentino Patagónico\*\**

Composite

*Limangus*

Taurindicus composite

*Herebu*

*Indusin*

Global / International

American Brahman

Angus

Argentine Shorthorn

Beefmaster

Blonde d'Aquitaine

Braford

Brangus

Charbray

*Charolés*

Chianina

Danish Red

Devon

Gelbvieh

Guernsey

Hereford

Highland

*Holando-Argentino*

Jersey

Limousin

Lincoln Red

Nelore

Normande

*Pardo Suizo*

Piemontese

Polled Hereford

Red Poll

Retinta

Romagnola

Santa Gertrudis

Simmental

South Devon

Sussex

Continuous cross

*Pampa*

**Bolivia**

Extinct

*Beni Criollo*

Authentic

*Chaqueño\*\**

*Valle Grande Criollo\**

*Yacumeño\**

Composite

*Saavedreño\*\**

Local crossbred

*Criollo altiplanico*

*Mestizo-Holstein*

Global / International

American Brahman

Brangus

*Charolés*

Gir

Holstein

Nelore

Normande

*Pardo Suizo*

Santa Gertrudis

**Brazil**

Extinct

*Angola*

*China*

*Crioulo leiteiro de Irecé*

*Dinemarquês*

*Flamenga*

*Franqueiro*

*Frisoña vermelho e branca*

*Guademar*

*Guzolando*

*Igarapé*

*Indo-europeu leiteiro*

*Javanês*

*Junqueiro*

*Legitímo*

*Malabar*

*Mineiro*

*Nilo*

*Pedreiro*

*Quinhentão*

*Santa Gabriele*

*Suisbú*

*Tatu*

Landrace

*Curraleiro\**

*Pantaneiro\*\**

Authentic

*Caldeano\**

*Caracú*

Reconstructed

*Crioulo Lageano\*\**

*Mocho Nacional\*\**

*Patuá\*\**

Local derivative

*Crioulo Mocho Pereira Camargo\*\**

Taurindicine composite

*Bos certus*

*Braford brasileiro*

*Brangus-Ibagé*

*Branor*

Bravon

*Caiuá*:

*Caiuá 1*

*Caiuá 2*

*Caiuá 3*

*Canchim*

*Canchim mocho*

*Casteado\*\**

*Carazebú\*\**

Charbray

*Girolando*

*Girsey*

*Guzerando*

*Guzerolando*

*Guzolando*

*Itapetinga*

*Jaguanês*

*Jerdi*

*Lavínia\**

*Nelorando*

*Pampiano-Braford*

*Patuá*

*Piemonel*

*Pitalanda*

*Pitangueiras*

*Red Norte*

*Riopardense*

*Santa Clara*

*Santa Mariana*

*Simbrasil*

*Simbrasil-Cariri*

*Suiá*

*Xingu*

Zebu composite

*Indubrasil\**

*Rojo Indubrasil\**

*Tabanel\**

*Tabapuã*

*Zebú leiteiro de Uberaba*

Global / International

*Aberdeen Angus colorado*

*Aberdeen*

*Aquitânica*

Ayrshire

Beefalo

Beefmaster

Belted Galloway

Blonde d'Aquitaine

*Charolês*

*Charolês mocho*

Chianina

Devon

Droughtmaster

Galloway

Gelbvieh

Guernsey

Hereford

*Holandês*

*Holandês Variedad Mosa, Rhino e Issel*

Jersey

Limousin

Lincoln Red

Marchigiana

Montbéliarde

*Normando*

*Normando mocho*

*Pardo Suíço*

*Pardo Suiço* *Corte*

*Piemontês*

Pinzgauer

Red Poll

Rubia Gallega

Salers

Santa Gertrudis

Shorthorn

*Simental*

Sussex

Tarentaise

Valdostana

International zebu

Brahman

*Gir brasileiro*

*Gir leiteiro*

*Gir mocho*

*Guzerá*

*Guzerá leiteiro*

*Guzerá mocho*

*Kangayam brasileiro\**

*Nelore*

*Nelore mocho*

*Nelore pintado em branco*

*Nelore pintado em preto*

*Nelore vermelho*

*Sindhi\**

Continuous taurindicine cross

*Mestiço leiteiro brasileiro*

*Montana*

Terminal F1 cross

*Charonel*

*Chianel*

*Gipardo*

*Gironel*

*Girindu*

*Guzonel*

*Indunel*

*Nelogir*

*Normanzu*

*Sinderolando*

*Subu*

**Chile**

Extinct

*Criollo*

Authentic

*Ñata\*\**

Local crossbred

*Criollo chileno*

Global / International

Galloway

Charbray

*Charolés*

*Frisona Chileno*

Hereford

Jersey

Lincoln Red

Normande

*Overo colorado*

Simmental

**Colombia**

Landrace

*Casanareño*\*\*

Authentic

*Blanco Orejinegro*

*Blanco Orejimono*

*Caqueteño*

*Chino Santandereano*\*\*

*Costeño con Cuernos*\*\*

*Hartón*

*Romosinuano*\*\*

*San Martinero*\*\*

*Santa Coloma*

Composite

*La Velásquez*

*Lucerna\**

Global / International

American Brahman

Ayrshire

Charbray

*Charolés*

Holstein

Jersey

Normande

*Pardo Suizo*

Red Poll

Santa Gertrudis

Simmental

South Devon

*Toro de Lidia*

**Equador**

Extinct

*Costa Criollo*

*Criollo de El Oro*

*Criollo de Esmeraldas*

Landrace

*Criollo equatoriano\*\**

*Criollo de las Hoyas\*\**

*Criollo del Páramo\*\**

Global / International

American Brahman

Hereford

Holstein-Friesian

Gir

Jersey

*Pardo Suizo*

Santa Gertrudis

Shorthorn

Simmental

*Toro de Lidia*

**Falkland Islands**

International

Highland

Shetland

**French Guiana**

Global

Simmental

Continuous taurindicine cross

*Créole*

**Guiana**

Local taurindicine crossbred

*Rupununi Criollo*

Global / International

American Brahman

Charolais

Holstein

Romana Red

Santa Gertrudis

**Paraguay**

Extinct

*Pantaneiro*

Landrace

*Chaqueño\*\**

Global / International

American Brahman

*Charolés*

Chianina

Hereford

Holstein

*Indubrasil*

Jersey

Limousin

Nelore

Normande

Santa Gertrudis

Salers

Simmental

Continuous cross

Pampa

**Peru**

Landrace

*Criollo peruano*

Global / International

American Brahman

*Charolés*

Galloway

Gir

Holstein-Friesian

*Indubrasil*

Nelore

Normande

*Pardo Suizo*

Sahiwal

Santa Gertrudis

Simmental

*Toro de Lidia*

**Surinam**

Extinct

Criollo

Global / International

AmericanBrahman

Charolais

Dutch-Friesian

Hereford

Holstein

*Indubrasil*

Jersey

Meuse-Rhine-Yssel

Nelore

Red Sindhi

Santa Gertrudis

Continuous cross

Surinam Mixed Criollo

**Uruguay**

Extinct

*Colônia*

*Ñata\*\**

Crossbred population

*Criollo\*\**

Global / International

Angus

Blonde d'Aquitaine

*Charolés*

Chianina

*Frisona*

Hereford

Jersey

Limousin

Luing

Normande

Polled Hereford

Shorthorn

Simmental

Continuous cross

Pampa

**Venezuela**

Extinct

*Ocampo*

*Perijanero*

Landrace

*Llanero\*\**

Authentic

*Criollo lechero Limonero\**

Taurindicine crossbred

*Mestizo perijanero*

Composite

*Caroreña\**

Composite zebu

*Cebú venezolano*

Global / International

American Brahman

Charbray

*Charolés*

Danish Red

Gir

Holstein

*Indubrasil*

Limousin

Nelore

New Zealand Taurindicus

*Pardo Suizo*

Santa Gertrudis

Simmental

Toro de Lidia

**North America**

**Canada**

Feral

Graham Island \*\*

Authentic, European origin

*Canadienne*\*\*

European origin, dairy

American Ayrshire

Brown Swiss

Dutch Belted\*\*

Canadian Holstein

Red Holstein

American Guernsey

American Jersey

Milking Shorthorn\*\*

British origin, beef

Angus

Ancient White Park\*\*

Beef Devon\*

American Beef Shorthorn

Polled Shorthorn

American Belted Galloway\*\*

American Galloway

American Hereford

American Luing

Mini Dexter\*

Polled Hereford

Red Angus

American Red Poll\*

American South Devon\*

American Welsh Black\*

Scottish Highland

European-continental origin, beef

Abondance

Aubrac

Belgian Blue

Blonde d'Aquitaine

Braunvieh

Charolais

Chianina

Gasconne

Gelbvieh

Herens

Limousin

Maine-Anjou

Marchigiana

Montbéliard

MRY

Normande

Parthenais

Piedmontese

Pinzgauer

Romagnola

Salers

Simmental

Tarentaise

American-Australian origin, beef

American Brahman Murray Grey

Santa Gertrudis

Yak

American yak

Composite

Beef Synthetic

Burwash

Dairy Synthetic

Fort Cross

Hays Converter\*\*

Kinsella

Romark

Speckled Park

Multiple composite

Pee Wee

Shaver

Terminal F1 cross

RomAngus

Bovine hybrid

Yakmac

**USA**

Extinct

Californian cattle

Cattalo

Columbian

Flemish

Griffin

Holderness

Marks

Native cattle

Philips

Poppel

Polled Albion

Polled Durham

Red Dane

Robinson

Single Standard Polled Hereford

Single Standard Polled Shorthorn

Tornhill

Woods

Wright

Yellow Dane

Feral

Chirikof Island\*\*

Hawaiian wild\*\*

Authentic, Iberian origin

Corriente

Florida Cracker\*\*

lines:

Guinea dwarf\*\*

Grews brothers \*\*

Wassie Fish\*\*

herds:

Ezell\*\*

Neal\*\*

Pineywoods\*

lines:

Barnes\*\*

Broadus\*\*

Carter\*\*

Conway\*\*

Dedeaux\*\*

Hickman\*\*

Holt\*\*

herds

Agricola\*\*

Baylis\*\*

Diamond\*\*

Ladner\*\*

Ladnier\*\*

Palmer-Dunn\*\*

Vice\*\*

Tarahuma\*\*

Texas Longhorn

lines:

Buttler

Yates

herds:

Peeler

Witchita Wildlife Refuge

Authentic, European origin

Randall Lineback\*\*

European origin, dairy and dual-purpose

American Ayrshire

American Guernsey

American Jersey

Polled Jersey

American Kerry\*\*

American Normande

American Norwegian Red\*\*

Brown Swiss

Dutch Belted\*\*

Holstein

Polled Holstein

Red Holstein

Lineback:

American G

Colorsided

Milking Devon\*\*

MRY\*\*

Milking Shorthorn\*

Poll Milking Shorthorn

British origin, beef

American Beef Shorthorn

Polled Shorthorn

American Belted

Galloway\*

American Galloway\*

American Hereford

American Black Hereford

Line One Hereford

American Luing

Red Angus

American Red Poll\*

American South Devon\*

American Sussex\*

American Welsh Black\*

American White

Galloway\*\*

Ancient White Park\*\*

Angus

Beef Devon\*\*

Poll Devon

Beef Friesian

Polled Hereford

Scottish Highland

Continental origin, beef

American Maine-Anjou

American Belgian Blue

American Blonde d’Aquitaine

American Braunvieh

American Charolais

Polled Charolais

Black Charolais

Red Charolais

American Chianina

Black Chianina

Polled Chianina

Black-Polled Chianina

American Gelbvieh

Black Gelbvieh

Polled Gelbvieh

Black-Polled Gelbvieh

American Herens\*\*

American Limousin

Black Limousin

Polled Limousin

Black-Polled Limousin

American Marchigiana

American Piedmontese

American Pinzgauer

American Romagnola

American Salers

Black Salers

Polled Salers

Black-Polled Salers

American Simmental

Black Simmental

Polled Simmental

Black-Polled Simmental

American Tarentaise

Beef Brown Swiss

Canadian, Australian origin, beef

Hays Converter\*\*

Mandalong Special

Asian origin

American Wagyu\*

American yak

Asian and African origin

Zebu and sanga

Africander\*

Ankole-Watusi

Gir\*

Guzerat\*

Indo-Brazilian\*

Nellore\*

Red Sindhi\*

Composite taurine, beef

American British White Park\*

Amerifax

Better Idea\*\*

Black Maine-Anjou

Black Maximizer

Char-Swiss

Chiangus

Chiford

Chimaine

Geltex

MainTainer

Makaweli

M4 (Heyster)

Regus

RX3

Salorn

Senepol\*

Texon

Wangus

Multiple composite taurine, beef

Beef Machine

BueLingo\*

Cash

Cuprem Hybrid

Magnum

Range Maker

Composite taurindicine, beef

Angus/Brangus Plus

Africangus

Beefmaker

Beefmaster

Poll Beefmaster

Braford

Victoria

Brah-Maine

Brahmousin

Brah-Swiss

Bralers

Brangus

Branor

Bravado

Bravon

Bucking Stock

Charbray

Charford

El Monterey

Gelbray

Hash Cross

Holgus

Hotlander

Noble Line

Red Brangus

Ritchie

Sabre

Salerford

Santa Cruz

Santa Gertrudis

Polled Santa Gertrudis

Simbrah

Simbrangerford

South Bravon

Watson

Multiple composite taurindicine, beef

Barzona

Ranger

South Poll

Multiple composite zebu, beef

American Brahman

Grey Brahman

Red Brahman

Miniature

Bos indicus miniature

Covingtonshire

Grad-Wohl Miniature

crossbreds and F1:

Auburnshire

Barbee

Belted Irish Jersey

Belted Lessor Jersey

Belted Kingshire

Belted Milking Devon

Burienshire

Covingtonshire

Five Breed Grad-Wohl

Four Breed Grad-Wohl

Happy Mountain

Justinshire

Kentshire

Red Kentshire

Kingshire

Panda

Red Panda

Mini Dexford

Guinea Jersey

Little Rowdy

Lowline Angus

Mini American Beltie

Mini Belmont

Mini Belfair

Mini Brangus

Mini Dexter\*

Mini Durham/Shorthorn

Miniature Black Baldie

Miniature Galloway

Miniature Hereford

Miniature Highland

Miniature Holstein

Miniature Spanish Las Manchas

Miniature Texas

Longhorn

Miniature Zebu

Sundog

Bovine composite

American Breed

Beefalo

Hybridmaster

Simmalo

Continuous cross

Balancer

Beefbooster

lines:

M1

M2

M3

M4

TX

MARC

lines:

MARC I

MARC II

MARC III

Terminal F1 cross

Black Baldie

Brahmanstein

Brahorn

Charwiss

Holgus

Nelorford

Okie

Pinzbrau

Range Fire

Sahford

Salerford

Senagus

**AUSTRALASIA,**

**OCEANIA**

**Australia**

Extinct

Australian Milking Shorthorn

Belmont Adapteur

Darbalara

Tasmanian Grey

Authentic, European origin

Illawarra\*

European / American origin, dairy

Angeln

Ayrshire

Australian Holstein- Friesian

Brown Swiss

Dairy Shorthorn

Danish Red

Guernsey

Jersey

Red Holstein

British origin, beef

Australian Angus

Australian Lowline

Aussie Black

RedLine

Australian Shorthorn:

Australian Beef Shorthorn

Australian Polled Shorthorn

North Australian Shorthorn

Belted Galloway

Devon

Dexter

Galloway

Australian Hereford

Polled Hereford

Lincoln Red

Luing

Red Angus

Red Poll

South Devon

Sussex

Weebollabolla

Welsh Black

European continental origin, beef

Belgian Blue

Blonde d'Aquitaine

Charolais

Chianina

Gelbvieh

German Brown

Limousin

Australian Polled Limousin

Maine-Anjou

Marchigiana

Romagnola

Simmental

Swiss Brown

Asian, African and American origin zebu and sanga

Australian Africander\*

American Brahman

Australian Brahman

Australian Sahiwal\*

Australian Boran\*

Australian Nadudana\*\*

Red Sindhi\*

Australian Tuli\*

Bibovine

banteng

Composite taurindicine, dairy

Australian Frieswal

Australian Milking Zebu

Composite taurine, beef

Adapteur

Belmont BX

Australian Grey

Aussie Miniature Grey\*\*

Australian White

Australian Beefmaker

Chargrey

Leachman Hybrids

Murray Grey

Paymaster

Square Meaters

Simford

Composite taurindicine, beef

Australian Braford

Australian Brangus

Belmont Red\*

Bramalow\*\*

Australian Charbray

Greyman

Quasah

Sahford

Multiple composite taurindicine, beef

Droughtmaster

Mandalong Special

Wokalup\*

Continuous cross taurine

Aussie Red

Australian Commercial  
 Dairy Cow

Kyrhet Australian Miniature Cattle\*\*

Terminal F1 cross

Charsar

**New Zealand**

Extinct

Campbell Island

Reconstructed

Enderby Island\*\*

European-American origin, dairy

Ayrshire

Brown Swiss\*

Danish Red\*

Dutch Shorthorn\*\*

Guernsey\*

Kiwi

Milking Shorthorn\*\*

New Zealand Friesian

New Zealand Jersey

European-American Australian origin, beef

Aberdeen-Angus

Beef Shorthorn

Belted Galloway

Braford

British Black Limousin

Charolais

Chianina

Devon

Dutch Belted

Galloway

Hereford

Hinterwald

Limousin

Mini Angus

Murray Grey

Red Poll

Simmental

South Devon

Sussex

Welsh Black

Asian origin, zebu

Sahiwal\*

Continuous cross

Leachman Hybrids

New Zealand Taurindicus

Stabilizer

Terminal F1 cross

Kiwi

**Papua New Guinea**

Global / International

Angus

Australian Brahman

Australian Braford

Australian Milking Zebu

Ayrshire

Bali cattle

Beef Shorthorn

Droughtmaster

Guernsey

Hereford

Holstein-Friesian

Illawarra

Java Ongole

Jersey

Madurese

Red Poll

Red Sindhi

Sahiwal

Santa Gertrudis

**Fiji (Melanesia)**

Composite

Yalavou

**Micronesia**

Authentic, Iberian

Marianas

**Solomon Islands**

Composite

Solomon Red

**2. Breed names in local language and English**

Breeds are ordened according to the integrative classification (Felius et al., 2011). All parts of the entries are optional. Non-English names are *in italics*. Names after the indent refer to varieties or strains. Smaller lettering after the current names indicate former names. Varieties in smaller letters are extinct or indicate, closely related extinct or assimilated breeds. Entries in smaller lettering indicate extinct breeds.

Key:

***Original local name(s) if not English* / *Non-English name in other country*** /*Non-English synonymes (e.g., local name for imported breed)* /*former non-English names* **/ English name /** [country] **English name in other country** /English synonymes / former English names and synonymes

***Variety, strain if not in English*** */**Non-English**synonymes* / *extinct varieties if not in English*

**Variety, strain in English** / English synonymes / extinct varieties in English

***Original local name(s), if not English, of extinct breed*** /(further as for existing breeds, but in smaller lettering)

# Group 1 Polled and ‘Celtic’ breeds from North and Northwest Europe

**Subgroup 1A Polled dairy breeds from Iceland, Scandinavia, the Baltics  
and Northern Russia**

***Islandska Mjölkurkyrinn*** */**Islenskir Nautgripir****,*** *Islanenska kyrin* **/ Icelandic Dairy** / Icelandic

***Vestlandsk Raudkolle* / Westland Red Polled** / Vestland Red Polled / West Coast Red Polled, Western Red Polled, Westland Polled

***Lyngdal***

***Sør og vestlandsvfe* / South and Westland**

***Raukolle Østlandsfe*** */ Østlandsk raudkolle, Ostlandsk rødkolle, Rautt kollet Østlandsfe, Rødkolle* **/** **Red Polled Eastland** / Eastern Red Polled, Eastland, Norwegian Red Polled, Red Polled Ostland

***Jarlsberg***

***Svensk Rödkulla*** */ Röd Kullig Boskap, Röd Kullig Lantras, Svensk Kullig, Svensk rödkolla, Svensk Kullig* **/** **Swedish Red Polled** / Red Polled Landrace, Swedish Polled, North Swedish

***Sidet Trønderfe og Nordlandsfe / STN*** **/** **Blacksided Trondheim and Nordland** / Coloursided Trondheim and Nordland

***Sidet Trønderfe* / Blacksided Trondheim** / Black Trondheim

***Nordlandsfe* / *Northland***

***Røros*** **/** **Roros**

***Fjällras*** */ Fjällko, Jämtland,* *Svensk Kullig* **/ Swedish Mountain** / Fjell, Jamtland Mountain, Swedish Highland, Swedish White Polled

***Herjeådals* /** **Herjeadals**

***Rorbottenlän*** **/** **Rorbottenland**

***Bohuskulla* / Bohus Polled**   
***Fjällnära* / Fjall**

***Pohjoissuomenkarja*** */* ***PSK*** */ Pohjois-Suomalainen Karja, Pohjoissuomenkarja* **/ Northern Finncattle** / North Finnish, Lapland

***Länsisuomenkarja / LSK*** */ Länsi-Suomalainen Karja, Länsisuomenkarja* **/** **Western Finncattle** / Brown Finnish, Red Finnish, West Finnish

***Itäsuomenkarja / ISK*** */ Itä-Suomalainen Karja, Itäsuomenkarja kyyttö* **/** **Eastern Finncattle** / East Finnish, Red-and-White Finnish, Red Pied Karelian

***Eesti Maakari*** */ Eesti Maatõug, Mestnaya èstonskaya* **/** **Estonian Native**

**Estonian land cattle**

**Polled Lithuanian land cattle**

**Red Pied Kareliyan** / Red Pied Karelian

***Severnyi Komolyi skot* / North Russian Polled**

**Murmansk**

**Kargopolian**

**Wijtegras**

***Vychegodsko Vymskaya* /Vychegdo-Vym** / Vychegda-Vym

**Waldais**

**Lenfa**

***Zyryanka*** **/****Syrjänen**

**Ssuchona**

**Rokschenga**

**Perm** / Komoloja

**Tscherdian**

***Pechorskiĭ* / Petsjora** / Pechora

**Komi**

**Mezen** / Mesen

**Subgroup 1B Horned dairy breeds from Scandinavia and Scotland and derivatives**

**Ayrshire** */* Cunningham, Carrick, Dunlop

***Suomen Ayrshire*** */ Suomalainen Ayrshirekarja* **/ Finnish Ayrshire**

***Svensk Ayrshire / SAB* / Swedish Ayrshire**

***Ayrsjierskaja* / Russian Ayrshire**

***Telemarkfe* / Telemark** / Norwegian Mountain

***Valdres***

***Hallingdal***

***Dølefe*** **/ Doela** /Döle

***Gudbrandsdal***

***Østerdal* /Osterdal**

***Vestlandsk Fjordfe* / Western Fjord** / Vestland Fjord, West Coast Fjord, Westland Fjord, Westland Horned

***Hordaland***

**Westland Grey Möre**

***Kyst Kvaeg*** **/ Coastal land cattle**

***Norsk Rødt Fe******/******NRF*** **/** **Norwegian Red**

***Rødt Trønderfe*** **/Red Trondheim**

***Trønderfe* / Trönder**

***Målselvfe* / Malselv**

***Hornet Slettefe*** **/ Horned Lowland**

***Hedmark***

***Norsk Rødt og hvitt fe* / Norwegian Red-and-White**

***Rótføroyskar Kýr*** */ Færøerne, Færøesk* **/ Faeroes** / Faeroe Island

***Allmogeko*** */ Allmogekor* **/** **Allmoge**  / Peasantry cow

***Svensk Röd og Vit******/******SRB*** **/ Swedish Red-and-White** / Swedish Red, Swedish Red & White

***Småland* / Smaland**

***Gotland***

***Olånd* /Oland**

***Herrgård*** **/ Herrgard**

***Rödbrokig Svensk Boskap / RSB* / Red Pied Swedish**

***Skåne*** */ Shonen* **/** **Scanian**

***Sabyland***

***Waldholm***

***Frövidal***

***Amasa***

***Jonstrop***

***Ringamåla*** */ Ringamilakor, Ringmalako* **/ Ringamala**

***Väneko* / Vane**

***Agersø kvaeg* / Agersoe** / Danish Island

**Subgroup 1C Polled breeds from Ireland, Scotland and England and derivatives**

**Irish Moiled** / Irish Polled

**Polled Irish**

**Irish Dun**

**Donegal Reds**

**Galloway** / Southern Scotch Polled

**Dun Galloway**

**Red Galloway**

**White Galloway**

**Rigget Galloway**

**Belted Galloway** / Beltie, Sheeted Galloway, White-middled Galloway

**Red Belted Galloway**

***Islandska Galloway* / Icelandic Galloway**

**Aberdeen-Angus**  / Polled Angus, Black Angus / Northern Scotch Polled

**Brae-Glen**

**Aberdeenshire**

**Forfarshire**

**Buchan Humlie**

**Angus Doddie** / Polled Aberdeenshire

**Tyrone Black**

**Red Angus**

***Deutsche Angus*** */ Deutsches-Angus-Fleischrind* **/ German Angus**

**Swona**

**British White** / White Polled

**Lord Caernarvon’s breed** / Galway

**Red Poll**/ Norfolk Polled, Norfolk and Suffolk Red Polled. Red Polled

**Suffolk Polled** / Suffolk Golden Dun

**Norfolk Horned** / Norfolk Red / Old Norfolk

**Earsham Polled**

**Subgroup 1D Horned ‘Celtic’ breeds from Ireland, Scotland, England and German derivatives**

**Shetland** / Zetland

**Orkney**

**Highland** / Black Cattle, Kiloe, Kyloe, Norlander, Scotch Highland, Scottish Highlander, Skibo, West Highlander

**Fifeshire** / Fife Horned, Falkland

**WBS/Highland X**

**Hereland**

**Bluegrass**

**Luing**

**Sim-Luing**

***Wilseder Rote*** / **Wilseder Red**

**White Park** / English Park, White Forest, White Horned, Wild White

**Dynevor**

**Cadzow** / Hamilton

**Chartley** / Woburn

**Whipsnade**

**Vaynol** / **Faenol**

**Chillingham**

**Kerry**

**Drimmon**

**Dexter**

**Welsh Black** / Black Welsh ***/* *Da Duon Cymru*** */ Gwartheg Duon Cymreig*

**North Wales Black**

**Anglesey** / Anglesea

**Pembroke** / South Wales Black

**Castlemartin** / Castle Martin

**Dewsland**

**Montgomeryshire**

**Polled Welsh Black**

**Ancient Cattle of Wales** **/** ***Gwartheg Hynafol Cymru*** / Coloured Welsh  **White Welsh  
 Belted Welsh** ***/ Bolian Gwynion*** / Blanket cattle

**Group 2 Lowland breeds from West, North and Eastern Europe**

**Subgroup 2A West and Northeast European Lowland red breeds and East-European derivatives**

***Rødt Dansk Malkerace 1970 / RDM 70*** */ Rødt Dansk Malkekvæg, RDM-1970, Fynsk* ***/* Red Danish Dairy 1970** /Danish Red (old type), Fünen

***Ballum*** */ Schlesvig Marsh*

***økvaeg*****/ Land cattle**

***Rødt Dansk Malkerace / RDM*** */ Rødt Dansk Malkekvæg* **/** **Danish Red Dairy** / Red Dane, Red Danish / British Dane

***Angler-Deutsches Rotvieh* / Angeln-German Red**

***Angler (alte Zuchtrichtung)*** */ Angler Rotvieh*

*, Rotvieh alter Angler Zuchtrichtung*

**/**

**Angeln (original)** /Old Red Angeln / Angeln Red

***Roter Nordschleswigscher Milchviehschlag* /** **Red North Schleswig dairy**  / North Schlesvig Red

***Einfarbige Rotbraune Ostfries*** */ Sächsische Unterrasse* **/** **Unicoloured Red-brown East Friesian**

***Donnersberger Rotvieh* / Donnersberg Red**

***Lietuvos Zalieji Gulvijai / LZG*** */ Krasnaya litovskaya* **/** **Lithuanian Red**

**Lithuanian land cattle**

***Latvijas brūnā / LB*** */ Buraya latviĭskaya* **/ Latvian Brown** / Latvian Red, Latvian Red-brown */ Latviïskaya krasnopestraya* / Latvian Brown-and-White

***Eesti Punane Kai / EPK*** */ Krasnaya èstonskaya* **/ Estonian Red** / Estonian Brown, Estonian Red-Brown

***Polska Czerwona*** */ Polska czerwona* **/ Polish Red** / Polish Red Lowland

***Ślåska czerwona****, / Śląska czerwona / Schlesisches Rotvieh – Tiefllandschlag* **/ Silesian Red**

***Rawicka*** / Rawicz

***Wilna***

***Dolinowa*** / Lowland

***Krasnaya belorusskaya*** */ Krasnobelorusskaya* **/** **Belarus Red** /Byelorussian Red, Red White-Russian, White-Russian Red

***Gorynskaya*****/ Goryn**

***Krasnaya Polska*** */ Krasnaya pol’skaya* **/ *Ukrainian-Polish Red***

***Krasnaya stepnaya* /** Russian **Red Steppe**

***Krasnaya ukrainskaya*** **/ Red Ukrainian** / Red Steppe

***Krasnaya kolonistskaya* / Red Colonist** / Molotschnaer

**Odessa**

**Taurien**

**Crimean**

**Kuban Red**

**Donetsk**

**Crimean Red** / Red Crimean

***Zaparozhye* / Zaporiz**

***Ukrainska Krasnaya* / Ukrainian Dairy Red**

**New Red Dairy**

***Roşie* / Romanian Red**

***Krasnaya nemetskaya*** **/ Red German**

***Roşie Dobrogeană* / Dobrogea Red** / Dobruja Red

***Rosíe Estona*** **/ Moldovian-Estonian Red**

**Bessarabian Red**

**Moldavian Red Steppe**

***B"lgarsko cherveno govedo* / Bulgarian Red** / Red Sadovo, Bulgarian Red Sadovo

***Chervena sadovska* / Red Sadova**

***Suksunskaya*** **/ Suksun**

***Rood ras van West Vlaanderen*** */ Vlaams Rood, Vlaams Roodvee, West-Vlaams,West-Vlaams Rood / Belgisch Roodvee, Rood ras van België* ***/ Rouge Flamande*** */ Rouge de Belgique / Rouge de la Flandre occidentale* **/ West Flemish Red** / Red Flemish / Belgian Red

***Rood Vleestype / Rouge Type Viande* / Red Beef Type**

***Veurne-Ambacht***

***Cassel*** */ Cassels ras, Yper*

***Flamande*** */ Flandrine, Rouge Flamande, Rouge du Nord* **/ Red Flemish** / Flamand

***Berguenarde***

***Picarde* /Picardy**

***Guisarde***

***Casseloise*** **/ Cassel**

***Artésienne***

***Namponnaise***

***Saint Poloise***

***Bailleuloise***

***Boulonnaise***

***Bournaisienne***

***Maroillaise*** */ Ardennais-Flamande* **/ Maroilles**

***Solzerienne***

***Flamande originelle*** **/** **Flemish original**

***Flamande laitier* / Flemish dairy**

***Flamande mixte* / Flemish dual-purpose**

**Subgroup 2B West and Northeast European Lowland pied dairy breeds** **and European derivatives**

***Witrik*** */ Aalstreep, Griemel, Ruggel, Ruggelde, Ruggeling, Spikkel, Streeprug, Witrug, Witruggel, Wytrêch* **/** Dutch Whiteback

***Baggerbont*** */ Modderbont*

***Lakenvelder / L* /** Dutch Belted

***Groninger Blaarkop / B*** */ Blaarkop, roodblaar, zwartblaar* **/ Groningen Whiteheaded** / Groningen White Headed, Groningen Blazed

***Groninger witkop*** / *Zwartwitkop* **/ Groningen white head**

***Roodbonte Fries / RF*** */ Fries Roodbont* ***/******Fryske Readbûnte* / Red Pied Friesian** / Friesian Red Pied**,** Red-and-White Friesian

***Zwartbont Fries-Hollands******/******FH******/******Frysk-Hollânske Swartbûnte*** **/ Black Pied Dutch-Friesian** / Dutch-Friesian Black Pied / Black-and-White Holland, Netherlands Black Pied

***Friesch type* / Friesian**

***Noord Hollands type* / North Holland**

***type der Zuidhollandsche eilanden* / South Holland Islands**

***Zand- en heidevee*** **/ Sand and heather land cattle**

**British Friesian**

**Red-and-White Friesian**

**Poll Friesian**

**Irish Friesian**

***Deutsches Schwarzbuntes Niederungsrind*** */ Deutsche Schwarzbunte alte Zuchtrichtung,**Alte Deutsche Schwarzbunte, Deutsches Schwarzbuntes Rind* **/ German Black Pied Lowland** / Original German Black Pied

**German Black Pied (Western reserve)**

***Ostfries*** **/ East Friesian**

***Bunte Ostfries*** **/** **Pied East Friesian**

***Jeverländer* / Jeverländ**

***Wesermarsch* / Wesermarsh**

***Oldenburger Geest* / Oldenburg Geest**

***Oldenburger-Wesermarsch* /Oldenburg-Wesermarsh**

***Schwarzbunte Holsteiner*** **/ Black Pied Holsteiner**

**German Black Pied (Eastern reserve)**

***Ost-Deutsches Schwarzbuntes Rind* / East German Black Pied**

***Jysk Kvaeg*** */ Jysk Kvieg* **/ Jutland** / Grey Jutland / Jutland Grey and Black Pied

***Oregaard*** */ Benzon*

***Kortegaard***

***Westergaard***

***Vesterboelle***

***Heidevee* / Heather cattle**

***Sortbroget Jysk Malkekvæg / SJM*** */ Sortbroget Jysk Malkerace* **/** **Black Pied Jutland Dairy** / Black-and-White Jutland Milk, Black Spotted Jutland Milk

***Sortbroget Dansk Malkerace 1949 / SDM-49*** **/** **Black Pied Danish Dairy 1949**

European **Holstein-Friesian** andEuropean **Red Holstein populations**:

***Zwartbont HF*** */* Dutch Holstein-Friesian, Dutch Holstein **/** **Dutch Black Pied H** / Dutch Black Pied Holstein

***Roodbont H*** / Dutch Red Holstein **/** **Dutch Red Pied H** / Dutch Red Pied Holstein

***Roodbont Dubbeldoel / RDD* / Red Pied Dual-Purpose** / Dutch Red Pied DP

***Holstein farbrichtung Schwarzbunt*** */ Holstein-Sbt* **/ German Holstein**

***Holstein farbrichtung Rotbunt*** / *Holstein-Rbt* **/ German Red Holstein**

***Dansk Holstein*/ Danish Holstein**

***Sortbroget Dansk Malkerace 1965 / SDM-65*** **/** **Black Pied Danish Dairy 1965** /

Danish Black-and-White Milk

**British Holstein**

***Svensk Holstein* / Swedish Holstein**

***Svensk Låglands / SLB* / Swedish Lowland** / Swedish Friesian,

Black-and-White Swedish

***Suomen holstein-friisläinen* / Finnish Holstein-Friesian**

***Zwartbont-Holstein ras van België* / Belgian Black Pied-Holstein**

***Zwartbont ras van België* / Belgian Black Pied**

***Zwartbont ras van de Polders / Pie-noire des Polders* / Polders Black Pied**

***Zwartbont ras van het land van Hervé*** */ Zwartbont ras van Oost België* ***/***

***Pie-noire du Pays de Hervé*** / *Pie-noire de l’Est de la Belgique* ***/* Hervé Black**

**Pied** / Eastern Red Pied

***Roodbont-Holstein ras van België* / Belgian Red Pied-Holstein**

***Roodbont ras van België / Pie-rouge de Belgique*** **/** **Red-pied Belgian**,

Belgian Red Pied

***Holstein*** *de Luxembourg* **/** Luxembourg **Holstein**

***Pie Noire de Luxembourg* / Luxembourg Black Pied**

***Prim'Holstein* /** **French Holstein**

***Française Frisonne Pie-Noire / FFPN*** */ Hollandaise Pie Noire* **/ French Friesian**

*Raza* ***Frizoña-Holstein* /** Spanish **Holstein-Friesian**

*Raza* ***Frizoña* /** Spanish **Dutch-Friesian**

***Frisia-Holstein* /** Portuguese **Holstein-Friesian**

***Turino*** */ Holandese, Luse-Holandese* **/** Portuguese **Friesian**

***Holstein Italiana****, Pezzata nera Italiana***/ Italian Holstein**

***Schweizerishe Holstein*** */* *Schwarzfleckvieh, Tachetée noire* **/ Swiss Holstein /**

Swiss Black Pied

***Schwarzbunte Holstein* /** Austrian **Black Pied Holstein**

***Lietuvos Holstein* / Lithuanian Holstein**

***Holšteinas (melnraibā) / HM* /** Latvian **Holstein**

***LM,* *Latviĭskaya chernopestraya* / Latvian Black Pied**

***Holšteinas (sarkanā)* / *HS* /** Latvian **Red Holstein**

***Eesti Holstein* / Estonian Holstein**

***Czarno-biała odmiana hf* /** Polish **Black-and-White HF**

***České Holstynský*** */ Holštajnsko-frizsky* **/ Czech Holstein**

***Nížinné černostrakatý* /** Czech **Black Pied**

***Slovenský Holśtajnský* / Slovakian Holstein**

***Holstein-Friz* /** Hungarian **Holstein-Friesian**

***Hungarofriz* / Hungarofries**

***Băltată cu negru românească* / Romanian Black Pied Holstein**

Moldovian **Black Lemming**

Moldavian **Black-and-White**

Bulgarian **Black Pied Holstein**

***Crno-belo* /** Croatian **Black Pied**

***Holstein-Frisonne* /** Albanian **Holstein-Friesian**

***Frisiki genea* /** Greek **Friesian Black Pied**

**Ukraine Holstein selection Canadian**

**Ukraine Holstein selection European**

**Holloway**

***Ukrainska cherno-ryaba* / Ukrainian Black Pied**

**Russian Holstein**

***Lietuvos Baltnugariai Galvaijoi*** **/ Lithuanian White Back** / Lithuanian Whiteback

***Lietuvos Šemigalvijai / LS*** */ Lietuvos šemieji* **/ Lithuanian Ash Grey** / Lithuanian Light Grey

***Litowskiĭ skot* / Lithuanian Dairy**

***Latvijas zilā* */ LZ* / Latvian Blue**

**Latvian Red Pied** / Latvian Brown-and-White

**Latvian Light red**

**Latvian Dairy**

**Latvian Black Pied**

***Bialogrzbietka* / Polish Whitebacked**

***Żulawka*** */ Żulawski, Zulawischses Rind* **/ Zulawka** / Polish Marsh

***Lietuvos Juodmargiai / LJ*** */ Lietuvos baltnugariai / Chernopestraya litovskaya* **/** **Lithuanian Black Pied**

**Lithuanian land cattle**

***Eesti muatõug*** */ Eesti mustakirju, Éstonskaya chernopestraya* **/ Estonian Black Pied** / Estonian Black Spotted, Estonian Dutch-Friesian

***Schwarzbuntes Milchrind / SMR* /** German **Black Pied Dairy**

***Holstein-Jersian***

***Polska Czarno-biała*** */ Nizinne czarno-białe bydło polskie***/ Polish Black-and-White Lowland** / Polish Friesian, Polish Lowland

***Mazurska*** */ Mazurenland, Ostpreuzisches Schwarzbuntes Vieh, Danziger-Bucht Vieh,*

*Danziger Niederungsschlag, Ostpreuzische Holländer* **/ Mazury** / East Prussian Black Pied, Masurian

***Belorusskaya Cherno-pestraya*** **/ Belarus Black Pied** / Byelorussian Black Pied

**Menno-Fries**

***Ukrainska chorno-ryaba*** */ Ukrainskaya chernopestraya* **/ Ukrainian Black Pied**

***Chernopestraya podol'skaya* / Podolian Black Pied** / Black Pied Podolian,

Ukrainian-Podolian Black Pied, Ukrainian Oldenburg

***Ukrainska Belogolovaya*** */ Belogolovaya ukrainskaya / Belogolovokoloniststkaya* **/ Ukrainian Whiteheaded** / Whiteheaded Colonist

***Kholmogorskaya* / Kholmogory**

**Schenkursk** / Dwina

**Werschnedwina**

***Pechorskiĭ tip Kholmogorskogoskota* / Petsjora branch of the Kholmogory**

**Kholmogory Hybrid**

***Yaroslavskaya*** */ Domshinskaya* **/ Yaroslavl** / Yaroslav*,* Vladimir

***Chernopestraya* / Russian Black Pied** / Russian Friesian

***Srednerusskaya chernopestraya*** */ Tsentralnaya chernopestraya* **/**

**Central Russian Black Pied**

***Weliko russkaja poroda* / Great Russian land cattle**

***Priokskaya chernopestraya* / Oka Black Pied**

***Ural'skaya chernopestraya* / Ural Black Pied**

***Istobenskaya* / Istoben**

***Tagil'skaya* / Tagil**

**Starotagil**

**Tagil-standard**

**Tagil-Dutch** /Tagil-Fries

**Subgroup 2C West European red- and blue-pied dual-purpose and beef breeds and East-European derivatives**

***Maas-Rijn-IJsselvee / MRIJ*** */ Roodbont Maas-Rijn-IJsselvee* **/ Meuse-Rhine-Yssel / MRY/** **Meuse-Rhine-Issel /** **MRI**  / Dutch Red-and-White, Red-and-White Meuse-Rhine-Yssel, Red Pied Dutch

***Brandrode Rund*** */ Brandrood, Brandrood IJsselvee* **/ Burnt red** / Deep Red

***Rode Geus* / Red Beggar**

***Verbeterd Roodbont / VR*** */ Verbeterd Roodbont Vleesras / VRV* **/ Improved Red Pied**

***Rotbunte Doppelnutzung*** */ Deutsche Rotbunte DN, Doppelnutzung Rotbunt / Rotbuntes Niederungsvieh* **/ German Red Pied DP** / German Red Pied Lowland / German Red-and-White Lowland

***Rotbunte Schleswig-Holsteiner*** */ Holstein Marsch* **/ Red Pied Schleswig-Holstein** /

Holstein Red Pied, Holstein Marsh, Red Pied Holstein

***Eiderstedter* / Eiderstedt**

***Dithmarscher* / Ditmarsh**

***Wilstermarscher*** / *Elb-und Willstermarch* **/ Wilstermarsh**

***Krempermarscher*****/ Krempermarsh**

***Breitenburger*****/ Breitenburg**

***Tondersche* / Tondern**

***Bramstedter* / Bramstedt**

***Rotbunte Südoldenburgische*** **/ Red Pied South Oldenburg**

***Münstervieh*** / **Münster runts**

***Rotbunte Westfälische* / Red Pied Westphalian**

***Clevisches Vieh*** **/ Cleve**

***Rotbunte Niederrheiner* / Red Pied Lower Rhineland**

***Rotbunte Ostfries*** **/ Red Pied East Friesian**

***Kempens Roodbont*** */ Kempen roodbont, Kempens runderras, Roodbont Kempisch, Roodbont Kempen /* ***Rouge-pie Campinoise*** */ Pie-rouge de la Campine* **/ Campine Red Pied** / Red Pied Campine, Red-and-White Campine

***Kempisch******/******Campinoise*** **/ Campine land cattle**

***Oostelijk Roodbont******/ Pie-rouge Ardennes-Liège* / Eastern Red-pied-Ardennes**

***Roodbont van Oost België / Pie-rouge de l’Est de la Belgique*** **/ Red-pied Eastern Belgian**

***Pie Rouge de Luxembourg* / Luxembourg Red Pied**

***Wit-rood ras van Oost Vlaanderen*** */ Oost-Vlaams Wit-Rood, Oost-Vlaams, Wit-Rood Oost-Vlaams, / Roodbont ras van Oost Vlaanderen, Belgisch Witrood, Witrood ras van België* ***/ Blanc-rouge de la Flandre Orientale*** */ Pie-rouge de la Flandre Orientale / Blanc-rouge de Belgique* **/ East Flemish White-and-Red** / Red-and-White East Flemish / Belgian White-and-Red, Red Pied East Flemish, Red Pied Belgian

***Dender***

***Pie Rouge des Plaines*** */**Rouge de l’Ouest* **/ French Red Pied Lowland** / Western Red

***Dansk Rødbroget Kvæg******/******DRK* / Danish Red Pied** / Red Pied Danish

***Polska czerwono-biała*** */ Nizinne czervono-białe bydło polskie* **/ Polish Red-and-White Lowland**

***Schlesischem Rückenschecken*** **/ Silesian Whiteback**

***Kłodzka*** */ Glatzer Gebirgsrind* **/ Klodzka**

***Belgisch Witblauw*** */ Witblauw ras van België, Belgisch Witblauw, Belgische Blauwe* ***/ Blanc-bleu Belge* */ BBB*** **/ *Blanc Bleue Belge*** / *La Blanc Bleue rameau viandeux* **/ Belgian White-Blue** / Belgian Blue-White, Belgian Blue, Belgian White-and-Blue pied, Blue Belgian, Meat Belgian Blue Breed

***Condroz*** */ Ceney*

***Famenne***

***Ras van Midden- en Hoog België / Race de la Moyenne et Haute Belgique*** /

*le Franc tournée condruzien* **/ Central and Upper Belgian** / White Meuse and Schelde

**British Blue** / British Belgian Blue

***Belgisch Wit-blauw dubbeldoelras*** */ Belgisch Witblauw Ras-Mixte type**/ Wit-blauw ras van Henegouwen* ***/ Blanc-bleu Belge-type Mixte / DP-BBB*** */ Bleue du Hainaut, Bleue de Mons, Bleue de Tirlemont, le Grand plat de Ath* **/ Belgian White-Blue dual-purpose** / Dual-Purpose Belgian Blue

***Ardenner landras******/ Ardennaise /* Ardennes landrace**

***Bleue du Limon* / Limon Blue**

***Bleue du Nord (rameau mixte)*** */ Blanc Bleue mixte, Bleue du Hainaut, Bleue de Bavai, Mixte Bleue du Nord, Maubeugeoise, Montaoise, Normandes des régions froides, Mons, Solemoise* **/ Northern Blue (dual-purpose)**

***Ardennaise*** */ Alsacienne, Bourguignonne, Champenoise, Lorraine* **/** French **Ardennes**

***Ardennaise ou Meusienne*** **/ Ardennes-Meuse**

***Eifel***

**Subgroup 2D British Shorthorn breeds and derivatives**

**Dairy Shorthorn** / Improved Shorthorn, Improved Teeswater

**Durham**

**Holderness**

**Yorkshire**

**Teeswater**

**Original Population Dairy Shorthorn**

**Blended Red-and-White Shorthorn / BWRS** / Blended Shorthorn

**Milk Shorthorn** /Old Shorthorn **/ *Malkekorthorn***

***Dansk Rødbroget Korthorn* /Danish Red-and-White Shorthorn**

***Land Shorthorn*** */ Eiderstedter Shorthorn*

**Northern Dairy Shorthorn** / Dales Shorthorn

**Whitebred Shorthorn** / Cumberland White

**Blue Grey**

**Beef Shorthorn** / Irish Shorthorn / Scotch Shorthorn/ Scottish Shortorn / Aberdeenshire Shorthorn

**Poll Shorthorn**

***Dansk Korthorn* / Danish Shorthorn**

***Deutsches******Shorthorn* / German Beef Shorthorn**

***Shorbrack***

***Steibu*** */ Steinburger Bunte*

**Blue Albion** / Blue English, Derbyshire Blue

***Bestuzhevskaya* / Bestuzhev**

**Simbirsk**

**Lincoln Red new type**

**Lincoln Red (Original)** / Turnell Reds, Lincoln Red Shorthorn

**Polled Lincoln Red** / Lincolnshire Beef Poll

**Beevbilde**

**Black Beevbilde**

***Scentesi Vörös*** */ Pankotai vörös értéke* **/ Scentes Red** / Pankota Red

**Subgroup 2E Breeds from Central-West and South England**

**Longhorn** / English Longhorn / Dishley Breed

**Lancashire**

**Leicestershire**

**Warwickshire**

**Irish Longhorn**

**Hereford Traditonal** / Hereford (Original),Traditional Hereford

**British Polled Hereford** / Poll Hereford

**Black Hereford**

**Hereford**

**Gloucester** / Gloucestershire, Old Gloucester

**Glamorgan**

**Devon** / North Devon, Red Devon, Red Ruby

**Sheeted Somerset** / Broadlands, Somerset, Somersetshire Sheeted, White Sheeted Somerset

**South Devon** / Hammer, South Hams

**Sussex**

**Sussex new type**

**Polled Sussex**

**Subgroup 2F Breeds from the Channel Islands and Northwest France**

**Jersey** / Island Jersey / ***Jersiaise*** */ Jersiaise Française* **/** **French Jersey**

***Jersian***

***Dansk******Jerseyavlen* / Danish Jersey**

***Svensk Jersey /SJB /* Swedish Jersey**

**Guernsey / *Guernsiaise***

**Alderney**

***Froment du Léon*** */ Bretonne froment*

***Léonnaise*** */ Léonarde, Bretonne du Nord-Finestère et des Côtes-du-Nord, Brette, Froment*

**/*****Léonnais***

***Brune de Guingamp* / Guingamp Brown**

***Bretonne de Saint Brieux***

***Pie Rouge de Carhaix*** */ Carhaisienne***/ Carhaix Red Pied**

***Bretonne Rouge et Pie Rouge* / Breton Red and Red Pied**

***Canadienne* /French Canadian**

***Bretonne Pie Noir*** */ Bretonne* **/ Breton Black Pied** / Brittany Black-and-White, Black Pied Breton

***Cornouailles***

***Rennaise* /Rennes**

***Pie Noire Morbihannaise*** **/ Morbihan Black Pied**

***Armoricaine*** / Armorican

***Durham-Bretonne***

***Rouge des prés*** */* *Maine-Anjou* **/ Maine-Anjou**

***Durham-Mancelle*** */ Durham-Manceau,* *Manceau anglais*

***Maine-Anjou latiere*** **/ Dairy Maine-Anjou**

***Bazougers*** */ Bleue de Bazougers* **/ Bazougers Blue**

***Saônoise*** */ Saônaise, Saosnoise* **/ Saônois**

***Mancelle*** */ Le Mans, Maine, Manceaux, Manselle, Mansotte*

***Percheronne*****/** **Percheron**

***Caille-Blond***

***Manceau***

***Durham***

***Percheronne***

***Augeronne***

***Normande*** **/** Norman, Normandy

***Augeronne*** */ Auge*

***Cotentine*** */ Cotentin*

***Valognaise***

***Bessine*** */ Bessin*

***Cauchoise*** */ Caux*

***Brayonne***

***Merlerault***

***Mayennaise*** */ Mayenne*

***Beauceronne***

***Isigny***

***Sarlabot*** */ Dutrône*

***Durcet*** */ Cotentin-Schwitz*

***Bordelaise (nouvelle)* / Bordelais (new type)**

***Bordelaise*** / *Maraine***/ Bordelais**

**Subgroup 2G North and West European composite breeds**

**Viking Red**

***Skovrace* / Danish Forest**

**Stabiliser** / Stabilizer

***Auerox*** */ München-Berlin Auerochs* **/****Munich-Berlin Aurochs */ Aurochs reconstrué*** */ Aurochs de Heck* ***/ Heckrund* / *Hekes* / Heck cattle** / Munich cattle, Munich-Berlin cattle**,** bred-back aurochs, Reconstructed Aurochs

***Oostvaardersplassen* *Heckrund***

***Ecolander***

***Taurus***

***Tauros***

**Group 3 Short-headed and broad-headed Highland breeds from West and Central Europe**

**Subgroup 3A Vosges and Black Forest breeds**

***Vosgienne*** */ Vogesen / Vogesenrind* **/ Vosges**

***Münster***

***Bas-Rhin*** **/ Lower Rhine**

***Vorderwälder*** */ Wäldervieh* **/ Vorderwäld**

***Hinterwälder*** */ Wäldervieh* **/ Hinterwäld**

***Schönwälder*** / *Baarvieh* **/ Schönwäld** / Baar

**Subgroup 3B Central-European Red Highland breeds**

***Rotes Höhenvieh******/RHV*** */ Rotvieh Zuchtrichtung Höhenvieh, Mitteldeutsches Rotvieh / Mitteldeutsches Gebirgsvieh, Rotem Höhenvieh* **/ German Red Highland** / Middle German Red, Middle German Hill , Red Hill, Red Mountain

***Siegerländer*** **/ Siegerland**

***Westerwälder*** */ Wäller* **/ Westwäld**

***Wittgensteiner Blässvieh*** **/ Wittgenstein Blazed**

***Röhnvieh*****/****Röhn**

***Spessartvieh*** **/ Spessart**

***Bayerisches Rotvieh*****/ Bavarian Red**

***Sechsämter*** **/ Sechsämt**

***Weidaer* / Weida**

***Chamauer*** */ Wäldervieh* **/ Chamau**

***Kellheimer* /** **Kellheim**

***Hessisches Rotvieh*** **/** **Hesse Red**

***Westfälisches Rotvieh*** */ Witgensteiner* **/ Westphalian Red** / Red Wittgenstein

***Odenwälder* / Odenwäld**

***Waldecker*** **/ Waldeck**

***Sauerländer*** **/ Sauerland**

***Hessisch-Westfälisches Rotvieh* /** **Hesse-Westphalian Red**

***Vogelsberger*** **/ Vogelsberg** / Vogelsberg Red

***Taunusvieh*** **/Taunus**

***Harzer Rotvieh*** **/ Harz Red**

***Branntager***

***Vogtländer Rotvieh*** */ Vogtländisches Rotvieh / Voigtländer* **/ Vogtland Red**

***České červienký*** */ České červeny* **/ Czech Red** /Bohemian Red

***Chebské červienký*** */ Chebský červienký dobytok* **/ *Egerländer* /** **Cheb / Egerländ**

***Stitarý* / Stitary**

***Šumavský*** **/ Sumava**

***Budějovický*** / *Budejovice* ***/*** ***Budweizer*****/ Budweiser**

***Českyles dobytok / Böhmerwald Vieh* / Bohemian Wood**

***Lištňanské červienký / Lischnaer*****/ Lisna Red**

***Sudetský*** ***červený / Sudetenvieh*** **/****Sudeten Red** / Moravian Sudeten

***Kladsko sudetský červený* / Kladsko-Sudeten Red**

***Moravský červený*** **/ Moravian Red** / Moravian Carpathian Red

***Slovenský červený*** **/ Slovakian Red**

***Podgórska*** */ Podgorica-polje* / Polish Highland

***Sandecker* / Sandeck**

***Kreuzberger*** **/** **Kreuzberg**

**Subgroup 3C Alpine short-headed breeds and East-European derivatives**

***Abondance*** */ Chablaisienne, Pie rouge française de Montagne*

***Valdostana pezzata rossa* / Aosta Red Pied** / Red Pied Valdostana

***Valdostana pezzata nera-castana*** */ Valdostana Pezzata Nera e Castana, Valdostana pezzati nero-castani* **/ Aosta black pied-chestnut**

***Valdostana pezzata nera*** **/ Aosta black pied** / Black Pied Valdostana

***Valdostana castana*** **/ Aosta chestnut**

***Hérens /******Alpine Hérens***, *Valais, Valdotaine chatagnée, Chamoniarde* ***/ Eringer*** / *Welsche*

***Evolèner******/ Evolène*** */ Evolénard, Patcholé, Valdotaine pie-noire, Valdotaine tachetée noire*

***Tux-Zillertaler* / Tux-Zillertal**

***Tirolese*** / *Tiroler* **/** **Tyrolese** / Tirolian

***Tuxer*** */ Duxer* **/****Tux**

***Zillertaler*****/** **Zillertal**

***Brixentaler*** **/ Brixental**

***Durtaler*** **/** **Durtal**

***Landler*** **/Landl**

***Burlina*** */ Asiago, Bassanese, Binda, Boccarda, Pezzata degli Altipiani*

***Krasnaya gorbatovskaya*** */ Krasnogorsbatovskaya* **/** **Gorbatov Red** / Red Gorbatov

***Priokskaya* /Oka**

**Gorbatov**

**Vladimir**

***Yurinskaya*** */ Nizhegorod* **/ Yurino**

**Chuwash-Mari**

***Krasnaya tambovskaya*** */ Krasnotambovskaya* **/** **Tambov Red**

**Pashkov**

***Pustertaler Sprinzen******/ Pusteria*** */ Pustertaler Schecken, Sprinzen, Barra* **/ Pustertaler** / Pustertal

***Ennstaler Bergschecken*** */ Steierisches Bergscheken* **/** **Ennstal Spotted** **Mountain** / Styrian Mountain spotted

***Helmete* / Helmet**

***Kampete***

***Welser Schecken*** **/ Wels Spotted**

***Inntaler Schecken* /****Inntal Spotted**

***Pinzgauer*** */ Pinzger*

***Rauriser*** **/Rauris**

***Kitzbühler*** **/Kitzbühl**

***Tiroler Pinzgauer*** **/** **Tyrolese Pinzgauer**

***Mölltaler*** / *Möll-Drautaler*, *Übertrauer* **/ Mölltal** / Mölltal-Pinzgau

***Pongauer*** **/Pongau**

***Lungauer*** **/****Lungau**

***Jochberger Hummel*** / *Jochberger Hummeln*

***Jochberger*** **/** **Jochberg**

***Pinzgau* /** Italian **Pinzgau**

***Pezzata Rossa Norica* / Red Pied Norica** / Norica-Pinzgau

***Pinzgauer* /** German **Pinzgauer**

***Bayerisches Landvieh*** **/Bavarian land cattle**

***Bistumer* /Bishopric**

***Vollmauer* /Volmau**

***Neue Miesbacher*** **/New Miesbach**

***Berchtergadener* /Berchtergaden**

***Pinzgauer Fleisch* */ PIN*/ Pinzgau beef**

***Slovenský Pinzgauský*** */ Slovensko pinzgauske* **/ Slovakian Pinzgau**

***Pinzgave*** */ Pintsgow* **/** **Ukrainian Pinzgau**

**Croatian Pinzgau**

***Pinzgavska*****/ Pinzgavac** / Slovenian Pinzgau, Yugoslav Pinzgau

***Cika*** / *Cikasto govedo*

***Bohinjska Cika*****/****Bohinj Cika**

***Tolminska Cika*****/Tolmin Cika**

***Pinzgau de Transilvania* / Transylvanian Pinzgau** / Romanian Pinzgau

***Dorna*** / Black Pinzgau

**Subgroup 3D Central European blond and yellow Highland breeds**

***Glanrind*** */ Glanvieh /* *Birkenfelder, Meisenheimer, Rheinbayerisches Schlag, Quirbacher* **/** **Glan**

***Glan-Donnersberger*** **/ Glan-Donnersberg**

***Lahnvieh*** */ Limburger* **/Lahn**

***Limpurger*** */ Leintaler*

***Schwäbisch-Hall*** **/ Swabian-Hall**

***Nieder-Schwäbisch* /Lower Swabian**

***Gelbes Frankenvieh*** */ Gelbvieh* / *Gelbes Höhenvieh, Mitteldeutsches Einfarbiges Gelbes Höhenvieh, Deutsches Gelbvieh* **/ Yellow Franconian / Gelbvieh** / German Yellow, German Gelbvieh / Middle German Unicoloured Yellow Highland, Yellow Franconian, Yellow Highland

***Altfränkische Roter Landschlag*** **/ Old Franconian** **Red landrace**

***Hassberger*** **/ Hassberg**

***Schweinfürter*** **/ Schweinfürt**

***Itzgründer* /Itsgründ**

***Baunacher* /Baunach**

***Itz- und Baunachgründer* /Itz and Baunach**

***Ochsenfürter* / Ochsenfürt**

***Röhn-Spessartvieh* / Röhn-Spessart**

***Frankenvieh*** **/Franconian**

***Elling-Weissenburger* / Ellingen-Weissenburg**

***Altmühtalvieh*** **/Altmuh valley**

***Scheinfelder* /Scheinfeld**

***Obermaintaler*** **/Obermain valley**

***Aischgründer*** **/ Aischgründ**

***Schwalmer*****/ Schwalm**

***Mainlander* /Mainland**

***Gelbvieh Fleisch* */* *GVF* /** **Gelbvieh beef**

***Murbodner*** */ Steirer* **/ Murboden**

***Mürztaler* /Mürztal**

***Murbodner-Mürztaler*** **/ Murboden-Mürztal**

***Pomurska goveče*** / *Svetlolisata*, *Pšenična* **/Pomurska**

***Waldviertler Blondvieh*** **/ Waldviertel Blond**

***Raabser*** **/** **Raabs**

***Gföhler-Zwettler*** **/ Gföhl-Zwetteln**

***Stockeraurer*** / *Wienveirtler,* *Wienlandschlag* **/ Stockeraur**

***Licht Helmeten* /Light Helmet**

***Braun Helmeten*** **/Brown Helmet**

***Helmer Blässen* /Helmer Blazed**

***Kärtner Blondvieh*** */ Steierisches Blondvieh* **/ Carinthian Blond** / Styrian Blond

***Sudsteirisch Kärtnerisches Landschlag* /South Styrian-Carinthian land cattle**

***Kärtner Blässen* /Carinthian Blazed**

***Mariahofer*** / *Lambrechter* **/Mariahof**

***Lavanttaler*** **/Lavanttal**

***Mariahofer-Lavanttaler* /Mariahof-Lavanttal**

***Mariodvorský*** **/ Mariadvur**

***Beloslovensko govedo*** / *Slovenačko belo geveče* **/** **Slovenian White**

***Koruška plava* /** **Koruska Blond**

***Österreichisches Gelbvieh*** */ Lichtes Alpenvieh, Lichtes Höhenvieh /* *Österreichisches Blondvieh, Norische rasse* **/ Austrian Yellow** /Light Alpine, Light Mountain / Austrian Blond, Pale Highland

***Malteiner*** / *Ratchtaler Schlag*, *Kraudeltes Vieh***/ Maltein** cattle

**Subgroup 3E West and Central European broad-headed red spotted mountain breeds and East-European derivatives**

***Montbéliarde*** */ Alsace* **/ Montbéliard**

***Simmental française*** */ Tachetée de l’Est, Pie Rouge de l'Est* **/ French Simmental**

***Comtoise*** */ Franc-Comtoise* **/****Comtois**

***Tourache***

***Haut Bugey***

***Bressane***

***Bresse***

***Dombes***

***Fémeline***

***Gesienne*** /Gex **/ Gessien**

***Micahaille***

***Simmental d'Alsace*** **/** **Alsatian Simmental**

***Boucquemon***

***Dauphinoise*** */ Tachetée Dauphinoise***/Dauphin**

***Simmentaler******/ SI*** */ Simmentaler Fleckvieh, Tachetée rouge du Simmental* / *Burgundische rasse,* *Rotfleckvieh* **/** Swiss **Simmental** / Swiss Simmental Spotted

***Berner Fleckvieh*** */ Berner-Oberländer, Bernois* **/** **Bernese** / Bernese-Oberland

***Simmental-Saanen***

***Frütig-Adelbodner* / Frütig-Adelboden**

***Jura***

***Illiezer*** **/ Illiez**

***Lötscher* / Lötsch**

***Freiburger*** / *Fribourgeoise* **/ Fribourg**

***Edelweiss-Simmentaler* / Edelweiss-Simmental**

***Schweizer Fleckvieh******/******SF*** **/ Swiss Red Pied** / Swiss Red Spotted

***Pezzata rossa d’Oropa*** */ Razetta d’Oropa* **/ Oropa**

***Pezzata rossa Italiana* / Italian Red Pied** / Italian Simmental

***Friulana*** / *Friauler***/** **Friuli**

***Friulana pezzata rossa*** */ Pezzata rossa Frilulana***/ Red Pied Friuli** / Friuli Simmental,

Improved Friuli

***Carniella***

***Deutsches Fleckvieh*** */ Simmentaler* / *Alpenfleckviehh, Grosses Fleckvieh, Höhenfleckvieh, Scheckvieh* **/ German Fleckvieh** / German Simmental, German Spotted / Red Spotted Highland

***Rheinisches Vieh*** */ Neckar* **/****Rhineland**

***Neckar-Heilbronner*** */ Heilbronner* **/** **Neckar-Heilbron**

***Messkircher*** */* *Oberbädisches Fleckvieh* /Upper Baden Spotted

***Württemberger Fleckvieh* /** **Württemberg Spotted** / Upper Swabian Spotted

***Alb***

***Teck***

***Bayreuther Fleckvieh*** **/ Bayreuth Spotted**

***Miesbacher*** */ Oberbayerisches Alpenfleckvieh* **/****Miesbach** / Upper Bavarian Spotted

***Rottaler* /Rottal**

***Ober-und Niederbayerisches Landvieh* /Upper and Lower Bavarian land cattle**

***Fleckvieh Fleischnützung* */ FLF* / Fleckvieh beef** / German Beef Simmental

***Ansbach-Triesdorfer* / Ansbach-Triesdorf**

***Schwäbisch-Haller Braunblässen* / Swabian-Hall Brown blazed**

***Rot- und Gelbmohren*** **/** **Red and Yellow Moor**

***Tiger***

***Österreichisches Fleckvieh*** */ Simmentaler* **/ Austrian Fleckvieh** / Austrian Simmental

***Bergscheck*** / *Bergscheckvieh*, *Alpenfleckvieh* **/** **Spotted Mountain** / Mountain Spotted

***Innviertler Schecken* /Innviertel Spotted**

***Berner Schecken*** **/ Bernese Spotted**

***Feldsberger* /Feldsberg**

***Immendorfer* /Immendorf**

***Donau Fleckvieh* /Danube Fleckvieh** / Danube Spotted

***Oststeirisches Fleckvieh* /East Styrian Fleckvieh** /

East Styrian Spotted

***Innviertler Fleckvieh*** **/Innviertel Fleckvieh** / Innviertel Spotted

***Tiroler Fleckvieh*** */ Unterinntaler Fleckvieh* **/ Tyrolese Fleckvieh** /

Tyrol Spotted

**Austrian Dairy Simmental**

***Simentalska* /Polish Simmental**

***Český strakatý*** */ Českestrakate* **/ Czech Fleckvieh** / Czech Pied, Czech Red-and-White, Czech Red Spotted, Czech Simmental, Czech Spotted

***Bernskohánacký***/ *Hanáckobernský* **/ Berno-Hana** / Bernese-Hana, Haná-Berne*r*

***Kravařský*** / *Kuhländer* **/ Kravarsky**

***Hřbínecký*** / *Schönhengster* / *Šenhengský* **/Hrbinecky**

***Bernsko-český*** **/ Bohemian-Berne** / Bohemian Red Pied / Bohemian Simmental, Bohemian Spotted

***Český červenostrakatý* / Czech Red Pied** / Czech Mountain Spotted

***Manhartsberger*** / *Schiltern* **/ Manhartsberg**

***Moravský červenostrakatý*** **/Moravian Red Pied** / Moravian Red Spotted,

Spotted Moravian

***Československý červenostrakatý* /Czechoslovakian Red Pied**/ Czechoslovak Red-and-White, Czechoslovakian Red-and-White

***Opočenské červinký* /Opotchno**

**Czech Pied Dairy**

***Masny Simentálsky* / Masny Simmental** / Beef Simmental

***Slovenský strakatý* / Slovakian Pied** / Slovakian Red-and-White, Slovakian Simmental, Slovakian Spotted, Slovakian Yellow Spotted, Slovakish Yellow, Slovak Pied

***Mäsový Simentálský* / Masovy Simmental** / Beef Simmental

***Magyartarka*** **/ Hungarian Pied** / Hungarian Red-and-White, Hungarian Red Pied, Hungarian Spotted, Hungarian Simmental

***Bonyhádi***

**Bonyhádi-Simmental Landrace**

**Red Pied Landrace of Allföld**

***Tejelö magyar-tarka*** **/Dairy Hungarian Pied** / Hungarian Dairy Fleckvieh,

Hungarian Spotted Dairy

***Tejelö magyar-barna*** **/Dairy Hungarian Brown** / Hungarian Brown Dairy, New Hungarian Brown

**Bavarian Simmental**

***Slovensko Lisasto govedo*** */ Simentalsko* **/ Slovenian Pied** / Slovenian Simmental

**Slovenian Red Pied**

***Hrvatski Simentalac*** */ Kontinentalna Hrvatska* **/ Croatian Simmental** / Croatian Pied

***Domače šareno goveče*** **/ Serbian Domestic Spotted** / Serbian Pied / Yugoslav Simmental

***Podolic Simentalac*** **/ *Podolian Simmental***

***Băltată românească*** **/ Romanian Spotted** / Romanian Simmental, Romanian Yellow Spotted, Spotted Romanian

***B"lgarska simentalska*** */ Kulska* **/ Bulgarian Simmental** / Kula

***Lare e Kuge* / Albanian Simmental**

***Symentalsk*** */ Ukrainski Simmentalskaya* **/** Ukrainian **Simmental**

***Ukrainska krasnaya-ryaba* / Ukrainian Red-and-White** / Ukrainian Red Pied

***Simmentalskaya* /** Russian **Simmental**

***Stepnoi Simmentalska*** **/ Steppe Simmental**

***Sychëvskaya Simmentalskaya*** */ Sychevskaya, Syčovskaja* **/ Sychevka** / Sychevka Simmental, Western Simmental

**Subgroup 3F Charolais and derivatives**

***Charolaise*** */* *Charollais,* *Charolais-pure, Charolais-Nivernais* **/ Charolais**

***Nivernaise*** */ Charolaise améliorée dans la Nièvre, Nivernoise***/ Nivernais** /

Niveranis-Charolais in the Nièvre

***Morvandelle*** */ Morvandiote* **/ Morvan**

***Bourbonnaise* / Bourbon**

***OMEGA 47***

***INRA 9***

***COOPELSO 93***

***INRA 95*** */ Culard INRA*

***Charollandais***

***Uckermärker***

***Genotyp 67***

***Bovian***

**Group 4 Grey and blond to brown breeds from France, North Italy, the Alps and the Balkans**

**Subgroup 4A Breeds from Central France**

***Parthenaise*** */ Vendéenne, Vendée-Parthenay* **/ Parthenais** / Vendéen.

***Angavine*** **/ Angavin**

***Gâtine*** */ Gâtinelle* **/****Gâtinais**

***Gâtinaise-Choletaise* /Gatinais**-**Choletais**

***Solognote*** */ Puisaye* **/ Solognot**

***Poitevine*** **/ Poitevin**

***Marchoise*** */ Marchais* **/ Marchois**

***Berrichonne-Brennouse*** */ Bernnouse, Berri, Berry-Bourbonnais, Brenne*

***Nantaise* / Nantais**

***Maraîchine*** */ Vendée maraîchin* **/ Maraîchin** / Vendée Marsh

***Limousine*** */ Charentaise* **/ Limousin**

***Treignac***

***Vendonnaise*** **/ Vendonnais**

***Angoumoise* /Angoumois**

***Saintongeoise*** */ Saintoganaise* **/ Saintongeois**

***Meymac*** */ Maurine*

***Meyssac***

***ALPHA 16***

***type tardif / type élévage***

***type mixte***

***type viande***

**British Black Limousin**

***Salers***

***Salers Latier* / Salers dairy**

***Salers vergeade* / Salers whitebacked**

***Ferrandaise*** */ Ferrande, Ferrandine, Brugeron, Ferrando-forézienne, Latour, Limagne, Marais, Marat, Pierre-sur Haute, Puy-de-Dôme, Rochefort, Saint-Anthême, la Tour d’Auvergne* **/ Ferrandais**

***Auvergnate*** */ Bouretts, Mottois* **/ Auvergne**

***Bessarde*** **/ Besse**

***Forézienne* / Forezien**

***Mont Dor*** */ Mont d’Or*

***Limagne***

***Aubrac***

***Gévaudan*** */ Gévaudanne, Lozeriènne, Lozerote*

***Cévennes***

***Anglès***

***Albigeoise***

***Montagne Noire***

***Rouerge***

***Causse***

***Ségala***

***Salvagnac***

***Laguiole***

***Villard-de-Lans*** */ Villardaise, la Vilarde*

***Mézenc*** / *Mézine*

***Vivardaise* / Vivardais**

***Tarentaise*** */ Savoisienne, Savoy*

***Savoiarde*** */ Tarina*

***Albanaise*** */ Rumillienne, Savoyarde* **/ Albanais**

***Beafort***

**Subgroup 4B Grey and blond breeds from Southwest France and the Pyrenees**

***Marine*** */ Marine-Landaise, Landaise-Marine*

***Bazadaise* / Bazadais**

***Mirandaise*** */ Gasconne aréolée, Gasconne auréolée, Gasconne de l’Armagnac, Gasconne croisée, Gasconne de Gers et Baïse, Gasconne de Gers, Gasconne à rondelle, Gasconne des Plaines* **/ Mirandais** / Gascon aréolé

***Gasconne de Lauraguais*** */ bœuf de Cameman, bœuf de Verfeil***/ Lauraguais Gascon**

***Gasconne*** */ Carolaise, Gasconne à muqueuses noires, Gasconne à muqueuses totalement noires, Gasconne cul-noir, Gasconne da la Save, Gasconne pure, Gasconne des Montagnes* **/ Gascon**

***Gasconne à muqueuses noires*** **/Gascon black skinned**

***Carolaise*** / *Ariégéoise*, *Carolaise-Gasconne*, *Mijanaise*, *Querigut* **/Carolais**

***Roussillon***

***Pays Sault* / Sault**

***Tarasconne* / Tarascon**

***Casta*** */ Castagne, Castillonnaise, Montagnarde, Montagnole, Aure et Saint Girons, St Girons et Aure, Cerdagne, race des Pyrénées centrales* / Central Pyrenean

***Aure*** */ Auroise*

***Barousse* / Barous**

***Saint Girons*** */ Saint Gironaise*

***Massanaise*** */ Massanesa* **/ Massanais**

***Blonde d'Aquitaine*** */ 'Cock­tail Général de Gaulle'­* /Aquitaine Blond

***Garonnaise*** / *Créon, Castillon, Entre-Deux-Mers* **/ Garonnais**

***Garonnaise de plaine* / Plains Garonnais**

***Marmandaise*****/ Marmandais**

***Néracaise* / Néracais**

***Quercy*** */ Montaubanais*

***Garonnaise de côteau* / Mountain Garonnais**

***Aganaise*****/ Aganais**

***Montalbanaise*****/ Montalbanais**

***Périgourdins* / Périgourd**

***Blonde des Pyrénées* / Pyrenean Blond**

***Lourdaise*** */ Lavedan / Lavedan et de la Bigorre, Lourdes, Tarbes, Tarbaise, Bigorre, Bigordane* **/ Lourdais**

***Béarnaise*** */ Pyrénéenne du Sud-Ouest, Pyrénées-Atlantiques, Pyrénées-Occidentales, Pyrénées à muqueuses roses* **/ Béarnais**

***Béarnaise* / Béarnais**

***Barétous*** */ Baretonne*

***Urt***

***Bas-Adour***

***Aspe****-****Bédous***

***Ossau*** */ Ossolaise*

***Soule***

***Basquaise*** **/ Basque**

***Basco-Béarnaise* / Basco-Béarnais**

***Landaise*** */ Ledonne***/ Landais**

***Pirenaica*** */ Basque* **/ Pyrenean**

***Pallaresa*** */ Blanca del Pallars*

***Betizú*** */* ***Betisoak*** */ abel gorriak, Basabehi, behi auzoa, behi Betizu, Betissoa, etxeko behiak, herri ganadua, kata bizarrak* **/** Betizuak

***Albera*** */ Alberas / Albères*

***Albera Noire******/******Albera Negra*** */ Alberesa* **/** **Black Alberes**

***Albera Hêtre*** */ Fagine* ***/******Fagina*** **/ Brown Alberes**

**Subgroup 4C North Italian fawn-brown breeds**

***Montana rossa*** */ Varzese o Tortonese o Ottonese* **/ Montana red** / Red Mountain, Varzese – Tortonese - Ottonese

***Bionda Tortonese*** **/ Tortona Blond** / Blond Tortona

***Cabellota***

***Ottonese***

***Varzese***

***Cabannina***

***Pontremolese*** */ Bettolese, Rossa Pontremolese*

***Bardigiana*** */ Parma, Parmese*

***Cornigliese*** */ Corniglio*

***Valtarese*** */ Valle del Taro*

***Reggiana*** */ Formentina, Rossa Reggiana*

**Subgroup 4D Alpine Grey and Brown Mountain breeds and East European derivatives**

***Rätisches Grauvieh*** */ Albula, Bündner Grauvieh* **/ Rhaetian Grey**

***Graubündner-Oberländer* / Graubünden-Oberland**

***Bündner Bergschlag*** */ Ober-Engadiner, Davoser Bergvieh, Albullah* **/ Bündner Mountain** / Ober

Engadin, Davos Mountain

***Seevieh* / See**

***Valtellina***

***Grigia Alpina*** */ Bigia Alpina* **/ Grey Alpine**

***Bergamo*** **/ *Bergamasker***

***Grigia di Val d'Adige*** ***/*** ***Etschtaler*** **/ Grey Adige**

***Grigia di Val d’Ultimo* */ Ultinger*** */ Ultner* **/ Grey Ultimo**

***Meraner*** **/ Meran**

***Vintschauer*** **/ Vintschau**

***Passeier* / Passei**

***Grigia di Val di Fiemme*** **/** ***Fleimser*** **/ Grey Fiemme / Fleims**

***Welschtirol* / Wels Tyrol**

***Bellunese* / Bellune**

***Carnia***

***Tiroler Grauvieh*** */ Oberinntaler Grauvieh, Maintaler***/ Tyrol Grey** / Grey Mountain, Tyrolean Grey, Oberinntal Grey

***Lechtaler*** **/ Lechtal**

***Wipptaler*** **/ Wipptal**

***Kematen***

***Sterzinger* / Sterzing**

***Selrainer* /** **Selrain**

***Stubaier*****/ Stubai**

***Brenner***

***Siva***

***Rendena*** */ Brina di Val di Rendena*

***Schweizer Original Braunvieh* / Original Swiss Brown**

***Schweizer*** */* *Rigi* **/ *Schwyz***

***Appenzeller***  **/ Appenzel**

***Toggenburger* / Toggenburg**

***Oberwalden***

***Glarus***

***Interlaken***

***Oberhasli*** / *Haslitaler*

***Uri***

***Brijenzer* / Bryenz**

***Feldis***

***Liviner* / Livin**

***Gomser*** / *Gommerli*, *Petite race brune de Comches* **/ Goms**

***Gurtenvieh*** */ Weissgurten* **/ Belted Swiss Brown**

***Kreuzschecken*** */ Blümen, Rückenblessen, Rückenscheck, Rigi***/Whitebacked**,Whitebacked Swiss Brown

***Original Braunvieh*** */ Braunvieh alter Zuchtrichtung, Original Allgäuer Braunvieh / Graubraunes Gebirgsvieh, Graubraunes Höhenvieh* **/** German **Original Brown** / German Brown (old type) / Original Allgäu Brown Mountain

***Allgäuer*/ Allgäu**

***Württembergisches Braunvieh* / Württemberg Brown**

***Graubraunes Tiroler Gebirgsrind* / Tyrol Grey-brown Mountain**

***Murnau-Werdenfelser* / Murnau-Werdenfels**

***Original Österreichisches Braunvieh* / Austrian Original Brown** / Austrian Brown (Original)

***Montafoner*** */ Prätigauer* **/ Montafon**

***Klostertaler* / Klostertal**

***Walsertaler*****/** **Walsertal**

***Paznauner* / Paznaun**

***Thandberger*** **/ Thandberg**

***Graugelbes Bregenzerwälder* / Bregenz Grey-yellow Wood**

***Vorarlberger Graubraunes Gebirgsrind*** **/ Vorarlberg Grey-brown Mountain**

***Vorarlberger Braunvieh* / Vorarlberg Brown**

***Tiroler Braunvieh* / Tyrolese Brown**

***Steierisches Braunvieh* / Styrian Brown**

***Bruno Italiana Vecchio Ceppo* / Italian Brown original**

***Sarda Bruna /*** *Bruno Sarda, Ozierese, Sardo-Schwyz, Svitto-Sarda* **/ Sardinian Brown** /

*Sardo-Swiss*

***Bruna de los Pirineos / PA*** */ Bruna dels Pyrineus, Parda Alpina* **/** Pyrenean Brown

European **Brown Swiss populations:**

***Schweizer Braunvieh*** */ Schweizerisches Braunvieh / Brune Suisse, Bruna Svizzera*

**/ Swiss Brown**

***Braunvieh*** */ Deutsches Braunvieh* **/ German Brown**

***Österreichisches Braunvieh* / Austrian Brown**

***Brune*** */ Brune des Alpes* **/** French **Brown**

***Parda de Montaña*** */ Parda Suiza, Schwyz Española* **/** Spanish **Brown Mountain**

***Bruna Alpina*** */ Bruna Italiana, Svittto, Svizzera* **/** Italian **Brown Alpine** / North Italian

Brown

***Frati***

***Slovenský hnedy* / Slovakian Brown**

***Slovenačko belo goveče*** */ Rjavo govedo* **/ Slovenian Brown**

***Sivka iz Gorne Savinje* / Savinja Grey**

***Smedje govedo*/ Croatian Brown**

***Shvitskaya*** */ Svickaya* **/** Russian **Swiss** / Russian Brown

**Bryansker Forest**

***Kostromskaya*** */ Karavaevo* **/ Kostroma**

**Great Russian land cattle**

**Miskov**

**Babaev**

***Lebedinskaya*** */ Lebedin-Schwyz* **/ Lebedin**

**Subgroup 4E Illyrian shorthorn breeds from the Balkans and Greece and upgraded derivatives**

***Valašský* / Valachian Dwarf** / Tatra Dwarf

**Polish Brown** / Galizian Brown

***Mandanscher*****/**Mandans, Galizian Woodland

**West Galizian-Carpathian**

**Bukowina Mountain**

***Podhalaner***

***Dachau Moos*** **/ Dachau Moor**

**Hungarian Brown**

***Majdaner*** */ Maydaner*

***Gorynskaya* / Goralen Mountain**

**Polesian Marsh** / Polish Grey

**Ukrainian Whitebacked**

**Bryansk Forest** / Bryansk Woodland

***Rasa românească de munte* / Romanian Mountain** / Mountain Grey

***Obstesc***

***Roşie Germana* / German Rosie**

***Risca***

***Mocaniţa*** */**Mocany, Mokany* **/ Mocanitsa** / Transylvanian Mountain, Sheperd’s breed,

Romanian Dwarf

***Hrvatska Buša*** **/ Croatian Busha**

***Crno-šaro* / Croatian Red**

**Kranjsko**

**Lika**

**Slovenian Busha**

**Goricka**

***Polimskoj Buša*** */ Domarac, Polimska buša* **/ Polim Busha** / Lim

**Neretva**

**Imljani black** / Imlany

***Buša* / Serbian Busha**

***Sharri Buša* / Sharri Busha**

***Pešterska buša* / Pester Busha**

***Crvena methosijska*** / *Tsrveni metohjski buša* **/ Red Metohian** / Metohija Red

***Buša* / Montenegro Busha**

***Shkodra* / Shkodra Red** / Scutari

**Marolais**

***Illvaska* /** Albanian **Busha**, Albanian Illyrian, Albanian Dwarf, Illyric Dwarf

***Lopa e Lekbibaj*** */ Lopa e Lekbibajt* **/ Illyrian Dwarf-Lekbibaj**

***Lopa e Gurgucka* / Illyrian Dwarf-Gurgucka**

***Lopa e Prespa* / Prespa Dwarf** / West Macedonian

***Makedonska buša*** */ Plava povardaska* **/** **Macedonian Busha** / Blue Macedonian, EastMacedonian, Macedonian Blue, Plava

**Pomak Red**

***Rodopska k’’soroga*** */ Rodopska kusoroga, Rodopsko kasorogo* **/ *Rodopi* / Rodope Shorthorn** / Rodopska, Rhodopean Shorthorn

**Improved Rodope**

***Brachykeratiki*** */ Braquikersti* **/ Greek Shorthorn** / Brachyceros

***Kerkyra* / Corfu**

**Epiros**

**Agrinio dark**

**Agrinio white ivory**

**Perdikaki Shorthorn**

**Acheloos**

**Peloponnese** / Peloponnesus

**Pieira**

**Dervenhoria**

**Skópelos**

**Skýros**

**Amorgos**

**Nysiros**

**Folégrandos**

**Samos Island Dwarf**

**Parot Pigeon**

**Rhodos**

**Mediterranean-Anatolian Primitive**

***Kríti booedé* / Cretan lowland** / Messara

***Kríti venó booedé* / Cretan mountain**

**Gávdos**

***Dukagjini Buša*****/ Dukagjini Busha**

***Hnedý Karpatský* /** Slovakian **Carpathian Brown**

**Carpathian Mountain**

***Buraya Karpatskaya* /** Ukrainian **Carpathian Brown**

**Werschowen**

***Gutsul’skaya*** */ Huzullen***/ Hutzul** / Hutsul, Podolian land cattle

***Bruna*** */ Bruna Maramureş* **/ Romanian Brown** / Maramures Brown

***B’’lgarska kafyava*** */ Bulgarska kafyava /* *Sofiĭska kafyava, Sofioter Braunvieh* **/ Bulgarian Brown** */* Sofia Brown

***Mrko smeda rossa* / Serbian Brown** / Yugoslav Brownn

***Sivo govedo Dalmacije* / Dalmatian Grey**

***Gatačko govece* /** **Gacko** / Grey Gacko Busha

**Macedonian black Busha**

***Tsia*** */ Zéa, Keos* **/ Kea**

***Svitsika***

**Black Etolokarnania**

**Sifnos Island**

**Subgroup 4F East European composite breeds**

**Belarus Synthetic**

**Ukrainian Beef** / Ukrainian Beef Synthetic, Ukrainian Meat

***Chernigovskiĭ tip* / Chernigov**

***Pridneprovskiĭ tip*** **/ Dnieper** / Prednieper

***Polessi* / Polessian**

***Volynskaya* / Volynsk**

***Znamenskaya* / Znamensk**

***Yuzhnoukrainskaya* / Southern Ukrainian**

**Askian Meat**

**Group 5 Breeds from Southwest Europe**

**Subgroup 5A Isolated breeds from the Camargue, Corsica and Sardinia**

***Biòu*** */ Camargue**/ Camarguaise* **/** **Camargue**

***Provençale*** */ Saint-Tropez***/ Provence**

***Corse******/ Córsega* / Corsican**

**Corsican crossbred**

***Sarda* / Sardinian**

**Subgroup 5B Cantabrian breeds */* *Tronco (Castña) Cántabrio***

***Monchina***

***Terreña***

***Terreña gorbeana* /** **Terraña Gorbea**

***Terreña de la Sierra* / Terraña Mountain**

***Asturiana de los Valles / RAV*** */ Asturiana Occidental, Carreñana,**Carreña***/Asturian Valley** /

***Variedad musculosa*** */ Culona***/ Asturian Double muscled**

***Asturiana de la Montaña / RAM*** */ Asturiana Oriental, Asturiana de las montañas*, *Casina* **/ Asturian Mountain**  / Asturia Montana

***Agrupación Eo*** */ Serrano o Montino* **/ Eo** / Serrano

***Leonesa*** */ Mantequera leonesa*

***Pasiega***

***Tudanca***

***Campurriana*** / *Campó* **/ Campurrian**

***Lebaniega*** / *Picos de Europa* **/ Lebaniega** hill cattle

**Subgroup 5C Galician, Balearic and Canarian blond breeds */ Rojo convexo turdetano***

***Rubia Gallega*** / G*allega***/ Galician Blond**

***Galega - Minhota*** */* ***Galega/Minhota****, Miñota*

***Mallorquina* / Majorcan**

***Menorquina*** */ Mahonesa* **/ Minorcan**

***Marinera***

***Canaria*** */ Criolla, Basta, de la Tierrra* **/ Canary Island**

***Palmera*** */ Palmeña*

**Subgroup 5D Northwest Iberian chestnut breeds */ Morenas del Noroeste* and *Castaña concavo***

***Caldelá*** */ Caldelana, Castro Caldelas* **/ Caldelas**

***Alistana-Sanabresa***

***Alistana***

***Sanabresa***

***Frieiresa*** */ Mirandesa-Frieiresa*

***Sayaguesa*** */ Zamoraña*

***Llanuras***

***Limiá* / Limiana**

***Verinesa***

***Vianesa***

***Barrosã*** */ Maiana, Pisca* **/** **Barrosao** / Barrosa

***Cachena*** */ Barrosã ananicado, Cabreira, Carramelha, Carramilhnina, Vilarinhos*

***Arouquesa***

***Maronesa*** */ Alvanesa, Carreiro, Montanheiro, Penates, Pinhero, Serraña, Vacas Molares*

***Mirandesa /******Berciana*** */ Rathina*

***Braganseça / Bragança***

***Beiroa****/ Mirandesa beiroa*

***Mirandez estremenho*** / *Rathino Serrano* **/** **Mirandez Mountain** / Rathino Mountain

***Campo***

***Jarmelista***

***Marinhoa***

***Ramo Grande*** */ Açoreana*

**Madeira Mixed**

**Subgroup 5E Iberian Black breeds */ Negra Ibérica* /** **and fighting cattle**

***Serrana de Teruel***

***Serrana Negra* / Serrana Black**

***Serrana de Soria*** */ Serrana Soriana, Variedad de Soria / Barqueña, Piedrahitense*

***Pinariega*** */ Piñorras* ***/*****Pine wood**

***Avileña-Negra Ibérica*** */ Barco-Piedrahita, Barqueña, Guardameña, Piedrahitense, Castellana, Serrana* **/ Avilena Black Iberian**

***Avileña-Negra*** */ Carpetana* **/ Avila Black** / Black Carpetana

***Negra Ibérica* / Black Iberian**

***Bociblanca***

***Preta*** */ Gado da Terra, Charnequeiro do sul do Tejo, Preto*

***Morucha***

***Castiliana* / Castilian**

***Atigrado de Salamanca* / Salamanca Brindled**

***Morucha Variedad Negra*** */ Salmantina* **/ Morucha Black**

***Negra andaluza*** */ Negra campiñesa, Negra de las Campiñas andaluzas* **/ Andalusian Black**

***Cárdena andaluza* / Andalusian Grey**

***Berrenda en Negro andaluza*** */ Burraca /* ***Aracena* / Berrenda Black Pied** / Berrenda Black-and-White, Berrendo negro , Black Berrendo

***Ganado Bravo*** */ Lidia, Toro de Lidia* **/ Fighting cattle** / Fighting bull

***Casta Cabrera***

***Casta Carriquirris***

***Casta Castellana***

***Casta de la Tierra***

***Casta de los Gallardo***

***Casta Espinosa y Zapata***

***Casta Jijona***

***Casta Arann***

***Casta Domec***

***Casta Miura***

***Casta Pablo Romero***

***Casta Ramirez***

***Casta Urguino***

***Casta Vazquez***

***Casta Vega-Villar***

***Casta Veragua***

***Casta Vistahermosa***

***Lidia Casta Navarre*** */ Toro de Casta Navarre* **/ Navarre**

***Race de Combat*** */ Espagnole Brava* **/** French **Fighting cattle**

***Brava de Lide*** */ Touro de Lide, Brava de Lide, Ribatejana* **/** Portuguese **Fighting cattle**

***Brava dos Açores*** **/** **Azores** **Fighting cattle**

***Marismeña*** */ Agrupación bovina Mostrenca, Doñana, Palurda* **/ Mostrenca**

**Subgroup 5F Central and South Iberian red breeds */ Andaluza Rojo convexo***

*Raza* ***Retinta andaluza* / Retinta** / Andalusian Brown, Andalusian Red, Dark Andalusian

***Colorada extremeña* / Extremadura Red**

***Rubia andaluza*** / *Extremeña rubia* **/ Andalusian Blond** / Blond Extremadura

***Alentejana*** */ Transtagana*

***Garvonesa***

***Algarvia***

***Chamusco***

***Blanca Cacereña*** */ Blanca guadiana* **/ White Cáceres** / Guadiana White

***Mertolenga***

***Bragado do Sorroia*** */ Charnequeira* **/ Sorroia Pied**

***Malhado do baixo Guadiana*** **/ Guadiana Spotted** /

Spotted cattle of the lower Guadiana

***Berrenda en Colorado*** */ Berrenda roja andaluza, Capirote* **/ Berrenda Red Pied** / Berrendo colorado, Red Berrendo

***Salinera***

**Subgroup 5G Southeast Iberian breeds */ Castaño ultraconvexo***

***Murciana-Levantina*** */ Murciana*

***Huertana*** */ Cristiana*

***Almanzoreña***

***Calasparreña***

***Lorquina*** / Lorca

***Pajuna*** */ Serraña*

***Agrupaciones-Serrañas* / Agrupacion Mountain**

***Axerquia /*** *Axarqueña, Castellano Axarqueño*

**Group 6 Podolian breeds from Italy and East Europe**

**Subgroup 6A Italian large white breeds**

***Piemontese*** / *Turinoise* **/ Piedmont** / Piedmontese

***Camandona***

***Ossolane***

***Susa***

***Pinerlo*** */ Luserna*

***Canavese***

***Piemontese ordinaria*** **/ Common Piedmont**

***Demonte*** */ Cuneo*

***Racconigi***

***Carmagnola*** */ Piemontese della pianura, Salta***/ Plains Piemontese/** Lowland Piedmont

***Berciana***

***Chianina*** */ Bianca di Chiana*

***Perugiana***

***Valdarno***

***Val di Chiana* / Valley Chianina**

***Calvana***

***Pisana*** */ Mucca nera pisana* **/** Black Pisa milch cow

***Modenese*** */ Bianca val padana* **/** White Po

***Carpigiana* / Carpi hill**

***Modenese di pianura* / Modenese plains**

***Romagnola*** */ Romana*

***Romagnola gentile*** **/ Romagnola lowland**

***Romagnola di montagna*** **/ Romagnola mountain**

***Bolognese***

***Marchigiana*** */ del Cubante*

***Collina delle Marche*** **/ Marchigiana hill**

***Brina***

***Pianura delle Marche*** */ Marchigiana gentile* **/ Marchigiana plains**

**Subgroup 6B Podolian breeds from South Italy and Istria**

***Garfagnina*** */ Grigia Appeninica, Modenese di Monte, Montanara, Nostrana*

***Maremmana***

***Grossetana***

***Romana* /Roman**

***Maremmana primitivo***

***Pasturina*** */ Chianino-Maremmana / Cecinese, Maremmana stabulata*

***Podolica Italiana* / Italian Podolian** / Apulian Podolian

***Pugliese del basso Veneto*** */ Pugliesi del Veneto, Poggese***/ Veneto**

***Abruzzese*** */ Podolica abruzzese di montanga*

***Murgese***

***Podolica Pugliese*** */ Puglia* **/ Pugliese**

***Podolica Lucana* / Lucanian**

***Podolica Campanina*** **/ Campanian /** Campagna

***Podolica Calabrese*** */ Crotonese* **/ Calabrian** */ Crotone*

***Agerolese***

***Boškarin***/ *Istarsko goveče, Istarsko govedo, Istarsko Podolaz* **/ Boskarin** / Boscarin / Buje, Istar, Istrian, Istrian Grey, Istrian Podolaz, Istrian Podolian, Istrian Podolic

***Labin*** */ blue cavallo***/** blue horse

***Istar-Kvarner*** */ blue indigeno bianco***/ Istar-Karst** / blue-violet-white

***Cinisara***

***Modicana* /** Sicilian

***Siciliana Picolo* / Small Sicilian**

***Modicana primitivo* / Modicana landrace**

***Siciliana Grande* / Large Sicilian**

***Rossa Siciliana*** */ Mezzalina* **/ Red Sicilian**

***Montanina*** */ Montanara*

***Olivestra Modicana***

***Sardo-Modicana*** */ Modicano-Sarda, Oristanese* **/** Modica-Sardinian

***Pantelleria***

**Subgroup 6C Podolian Grey Steppe breeds from East Europe**

***Magyar szürke*** */ Cimeres Ökrök, Magyar alföldi, Szürke Szarvasmarhat* **/ Hungarian Grey** / Grey Hungarian, Hungarian Silver, Hungarian Steppe

***Karst*** */ Karstvieh*

***Slavonsko srijemski podolac*** */ Slavonski Podolac*, *Slavonski Podolaz*, *Slavonsko Podolsko, Slavonskopolsko* **/ Slavonian Podolian** / Croatian Steppe, Slavonian Grey Steppe, Slavonian-Syrmian Grey, Slavonian Syrmian podolic

***Sremsko podolsko goveče*** */ Podolska, Podolsko goveče, Sivo Stepska* **/ Srem Podolian** / Serbian Grey Steppe, Serbian Podolian */* Yugaslav Steppe

***Sură de Stepă*** **/ Romanian Grey** / Romanian Grey Steppe

***Moldovenescă* / Moldavian**/ Moldavain Steppe

**Bessarabian Grey**

***Ialomiţeana*** */* *Jalomiţa* **/ Ialomita** / Jalomitzaner

***Dobrugeana*** **/** **Dobrudja** / Dobrugia, Isker

**Danube miniature**

***Transilvăneană*** / *Siebenburgisch Steppevieh* **/ Transylvanian Grey** / Grey Transylvanian

***Buçsanešcu*** */ Boksán, Buksana, Bucsán, Busák / Bukschaner***/ Bucsan**

***Seraya Ukrainskaya*** */ Seroukrainskaya, Oukrainskiĭ Skot* **/ Ukrainian Grey** / Ukrainian Grey Steppe

**Podolian** / Asovian, Bilhorod, Kherson, Poltavian, Tawrii

**Kuban Steppe** /Cuban, Caucasian

***Tschernomorskaya* / Tschernomeridian** / Black Sea

***Kubano Chernomorskaya* / Kuban-Black Sea** / Krasnodarsk

***Tscherkaskaya*** / *Czerkesz* **/ Cherkassy** / Dagestan

**Subgroup 6D Podolian-Illyrian breeds from the Balkans and Anatolia**

***Kolubarsko goveče*** */ Colubarska, Kolubarac, Kolubarska* **/ Kolubara**

***Sprečko goveče*** */ Spreca-polje, Tuzla* **/ Spreca**

**Tolmeind**

**Wocheind**

***Posavska gulja*** */Sava* **/ Posavina**

***Isk”rsko govedo*** */ Iskursko govedo, Sivo mestno govedo* **/ Iskar** / Bulgarian Grey, Bulgarian Steppe, Grey Iskar, Grey Iskur, Grey Native, Iskar Grey, Vit

***Staroplaninska k”soroga*** */ Straplaninska kusoroga* **/ Stara Planina**

***Lopa e Mursisë /* Mursi**

***Métsovo* / Metsovo Red**

***Chalkidikhi*****/Katerini** / Katerini Steppe

**Greek Steppe**

**Thessaly** / Thessaly Steppe

***Sikia* /Sykia** / Sikia Chalkidiki Steppe

***Traki* / Thrace** / Thracian

***Boz Irk*** */ Boz Step, Plevne, Plevner, Podolya* **/Anatolian Grey**/ Anatolian Steppe, Turkish Grey Steppe, Turkish Gray, Native Grey, Pleven, Plevna

***Kultak***

***Malakan*** */ Okranya*

**Group 7 Shorthorned breeds from the Caucasus, Anatolia, the Levant and Egypt**

**Subgroup 7A Humpless breeds from the Caucasus and Southwest Asia and derivatives with exotic influence**

***Yerli Kara*** */ Anadolu Yerli Kara* **/ Native Black** / Anatolian Black / Anatolian Native Black

***Diyarbakir***

***Karacadag***

***Doğu Anadolu Kirmizisi*** */ Doğu Anadolu Kirmizi, Şarkî Anadolu Kirmizisi* **/ East Anatolian Red** / Eastern Red, Eastern Anatolian Red, Native Anatolian Red

***Çildir***

***Göle***

***Eleskirt***

***Kavkazkiĭ*** */ Kafkazkaya* **/ Caucasian**

***Malokavkazskiĭ* / Lesser Caucasus**

***Grusinskiĭ gornyĭ* / Georgian Mountain**

***Khevsurskaya gruppa* / Khevsurian**

***Velikokavkazskiĭ*** */ Velikokavkazskaya* **/ Greater Caucasus**

***Krasnyĭ megrelskiĭ* / Mingrelian Red**

***Kurt* /Kurdi**/ Kurdish

**Sharabi**

**Golpayegani**

**Nejdi** / Arabi

***Khuzestan landrace***

**Bedouin / Bedu** / Akshi, Anatolian, Djebli, Kleiti

**Chesi** / Chaissi

***Jaulan* /** Bisre, Khamissi

***Baladi*** **/** Lebanese **Baladi**

***Oksh* /** Arab, Arabian

***Arab* /** Jordanian **Arab**

***Karacabey Esmeri* / Turkish Brown** / Çifteler Brown, Karacabey Brown, Karacabey Montafon, Anatolian Brown

***Eskişehir* / Eskisehir Brown**

***Zavot***

***Sari Alaca* / Yellow Pied**/ Kazova Yellow Pied

***Anadolu Siyah Alacasi* / Anatolian Black Pied**

***Kavkazskaya buraya* /** **Caucasian Brown** / Caucasus Brown

**Armenian landrace**

***Loriĭ*** **/ Lori**

**Dagestan Brown**

***Dagestanskiĭ gorniĭ*** **/ Dagestan Mountain**

***Krasnaya Azerbaidzhanskaya* /** **Azerbaijan Brown**

***Krasnaya Azerbaidzhanskaya* / Azerbaijan Red**

**Subgroup 7B Damascus-type breeds from the Mediterranean islands, West Asia and Egypt and derivatives with exotic influence**

***Il-Baqra Maltija* /** **Maltese Ox**

***Kypriaki / Kiprus* / Cyprus**

**Messaoria**

**Paphos**

**Tinos**

**Andros**

**Naxos**

**Asguru**

**Kos Island**

**Tilos Island**

**Kastellorizon**

***Urla***

***Yerli Güney Sarisi*** */ Yerli Sari* **/ Native Southern Yellow**

***Çukurova***

***Dörtyol***

***Karaisali***

***Siverek***

***Güney Anadolu Kirmizisi*** */ Cenubî Anadolu Sari Kirmizisi, Bahcivan* **/ South Anatolian Yellow-Red** / Southern Red, South Anatolian Red, Southern Yellow-Red

***Kilis***

***Maras***

***Halep*** / Aleppo

***Seferihisar***

**Damascus** / Aleppo, *Damascene,* Halabi, Shami, Shamia

**Lebanese** / Antakli

**Beirut** / *Beyrouth*

**Hassawi** / Dirbani, Baladi

**Sarabi** / Ardebili

**Dishti**

**Jenubi** / Fao, *Ma'amir*, Zubairi

**Rustaqi**

**Damietta** / Dimyatti, Domiatta, Domiatti, Domyati, Dumiati, Dumyati, Manzlawi

**Egyptian Baladi** / Beheri, Minnfeya

**Menufi**

**Khalit**

***Anadolu Siyah Alacasi* / Anatolian Black Pied**

**Israeli Holstein** / Israeli Friesian

**Israeli Red**

**Group 8 Indo-Pakistani type zebu breeds**

**Subgroup 8A Zebu and zeboïd breeds from Central-West Asia and derivatives with exotic influence**

***Azerbaĭdzhanskiĭ Zebu*** */ Talyshinskiĭ* **/ Talishi** / Talyshi **/ Azerbaijan Zebu** /

Azerbaidzhan Zebu*,* Azerbayjan Zebu, Caucasian Zebu

**Mazanderani** / Gilan

**Bami**

**Sistani**

**Dashtiari**

***Khorsanskiĭ Zebu* / Khorsan Zebu**

**Khurasani**

***Sredneaziatiskiĭ Zebu* / Central Asian Zebu**

***Turkestanskiĭ Zebu*** */ Turkmenskiĭ zebu* **/ Turkestan Zebu** / Turkmenistan Zebu, Turkmen

**Kuramin**

**Fergana**

***Tadzhikskiĭ zebuvidnyiĭ* / Tadzhik Zeboïd**

**Pamir**

**Afghan** / Kabuli

**Shakhansurri** / Chakhansurri

**Konari**

**Kandahari**

**Vatani** / village cattle

**Achai**

**Lohani** / Acchai

**Rojhan**

**Dhanni** / Awankari, Nukra, Pahari, Pakhari, Pothwari

**Azangus**

***Bushuevskaya*** */ Pritashkentskaya* **/ Bushuev** / Tashkent

***Shvitsezebuvidnyĭ* / Schwyz-Zeboïd** / Russian Brown-zebu, Swiss-zebu

**TSSH-1**

**Afghan Subtropical**

**Subgroup 8B Zebu breeds with convex forehead and derivatives with taurine influence**

**Sahiwal** / Lambi Bar, Lola, Montgomery, Multani, Teli

**Las Bela**

**Cholistani**

**Rathi** / Ratini

**Red Sindhi** / Malir, Red Karachi, Sindhi / Sind

**Gir** / Desan, Kathiawari, Soorthi, Surati, Surti / Junágadh **/ Gujarati** **/ Gujarati**

**Vadhyal**,Vadhial

**Dangi** / Ghauti, Kanada, / Konkan, Konkani

**Sonkheri**

**Deoni** / Dongari, Dongarpati, Dongri, Surti

**Deogir**

**Red Kandahari** / Lakhalbunda

**Nimari** / Khargaon, Khargoni, Khurgoni

**Khamala** / Khamla

**Frieswal**

**Friesian x desi**

**Karan Swiss**

**Brownsind**

**Phule Triveni**

**Jersind**

**Jersey x desi**

**Kamaduk**

**Subgroup 8C Shorthorned grey-white zebu breeds and derivatives with exotic influence**

**Bhagnari** / Kachhi

**Dajjal**

**Nagori** / Nagaur

**Hariana** / Hurrianah

**Rath**

**Shahabadi**

**Gangatiri**

**Bachaur** / Sitamarhi

**Binjharpuri**

**Mewati** / Kosi, Mevatti

**Gaolao** / Arvi, Gaulgani

**Ongole** / Nellore

**Deverakota**

**Nari Master**

**Subgroup 8D Zebu breeds with lyre-shaped horns and derivatives with taurine influence**

**Kankrej** / Bannai / Kankreji **/** **Kankarej**

**Sanchori** / Marwari

**Gujerat** / Talabda

**Vadhiyar** / Vagadia, Wadhiar, Wadhir, Wadial

**Nagar** / Wagad

**Konkan**

**Thari** / Grey Sindhi

**Tharparkar**

**Cutchi**

**White Sindhi**

**Nari**

**Hissar / Hissari** / Milking Zebu

**Hissar-Hansi** / Hansi, Hissar-Hariana

**Malvi** / Mahadeopuri, Manthani / Malwi

**Saugar**

**Umatwara**

**Agar**

**Mandsur** / Bhopal

**Deccan**

**Kherigarh** / Khari, Kheri

**Bhur**

**Dhaurahra**

**Manjra Singhai**

**Parehar** / Banjar

**Kenkatha** / Kenwariya

**Goranea**

**Bagondha**

**Patha**

**Karan Fries**

**Subgroup 8E Mysore zebu breeds from South India and Sri Lanka**

**Khillari** / Mandeshi, Shikari

**Mhaswad**

**Atpadi Mahal** / Haman Khillari

**Thillari** / Tapi Khillari, Tapti Khillari

**Nakali Khillari** / Nakli Khillari

**Devni**

**Krishna Valley** / Kistna Valley / Kistna River , Krishná River

**Geonti**

**Hallikar**

**Gujamavu**

**Bettadapur**

**Lingadahalli**

**Hagalvadi**

**Chitaldrug** / Chitaldoorg

**Pavagada**

**Midighesi**

**Amritmahal** / Benne Chavadi

**Swanta Gosu**

**Alambadi** / Bestal, Cauvery, Kaveri, Lambadi, Mahadeswarabetta, Salem

**Masti dana**

**Nundi dana**

**Bargur**

**Kangayam** / Kanganad, Kongu

**Manapari** / Manapparai

**Umbalachery** / *Jathi Madu, Molai Madu, Mottai Madu,* Southern Tanjore*, Therkuthi Madu,* Umblachery, Umblacherry / Tanjore Polled

***Attukari Madu***

***Ganapathiyan Madu***

***Mariapillai Madu***

***Sooriyankattu Madu***

***Venna Madu***

**Malaimadu** /Nattupasu

**Pulikulam** / *Kikad, Kilakad, Kilakattu, Palingu Madu, Mani Madu,* Puliakulam, Pullikkulam, Pullikulun / *Jellicut*

***Naattukuttai*** */* Nattumadu / Trichinopli, Southern Madras

**Kangam**

**Punganoor /** Punganur

**Krishnagiri**

**Madras Red**

**Kinniya**

**Subgroup 8F Small zebu breeds from Bangladesh, India and Sri Lanka and derivatives with taurine influence**

**Madhya Pradesh dwarf zebu**

**Mampati**

**Ramgarhi**

**Son Valley**

**Khasi**

**Bengali** / West Bengal

**North Bengal Grey**

**Bhagalpore**

**North Bangladesh Grey**

**Dacca-Faridpur** / Dakha-Faridpur

**Munshigani**

**Madaripur**

**Shahjadpur**

**Kamdhino**

**Motu**

**Goomsur** / Ghumsur, Ghumsari

**Khariar**

**Kasargod dwarf**

***Kuttanbula kullan***

**Vattakari** / Vatakari

**Malnad Gidda**

**Iduki**

**Kapila** / Kappiliyan

**Vechur** / Dwarf cow

**Malabar**

**Sinhala** / Lankan, Batu harak

**Tamankaduwa**

**Pabna** / Pabna Milking cow, Pabna improved

**Red Chittagong**

**Taylor**

**Sunandini** / Nava Sunandini

**Hatton** / Cape, Cappa harak

**Subgroup 8G Himalayan hill zebu breeds and hybrids**

**Ladakhi**

**Kumauni**

**Ponwar**

**Achham** / Acchami, Sanogai

**Nepalese Zebu** / Mahabharat Lekh

**Nepalese Hill Zebu** / Black Hill Zebu, Nepali Hill Zebu

**Kathmandu Valley Zebu**

**Morang / Purnea**

**Siri** ***/*** **Trahbum /** Bhutanese

***jatsum*** *(♀),* ***jatsa*** *(♂) F1*

***yankum*** *(♀),* ***yanka*** *(♂) F2*

***doebum*** *(♀) ,* ***doeb*** *(♂) F3*

***doethram*** *(♀),* ***doethra*** *(♂) F4*

***datum*** *♀),* ***data*** *(♂) F5*

***thrabum*** *(♀),* ***trapa*** */ nublang**(♂)* F6

**Kachcha Siri**

**Assam local**

**Tarai**

**Jaba**

**Group 9 Turano-Mongolian breeds from Central and Northeast Asia, yak and yak-cattle hybrids**

**Subgroup 9A Central Asian Turano-Mongolian breeds and derivatives with European influence**

***Yakutskiĭ skot / Sakha Ynaga*** **/ Yakut** / East Siberian

***Belyĭ sibirskiĭ skot* / Siberian White**

**Russo-Siberian**

**West Siberian**

***Altaĭskaya* / Altay** / Altai, South Siberian

**Buryat**

**Transbaikalian**

***Kalmytskaya*** */ Krasno-astrakhanskaya* **/ Kalmyk** / Kalmykian, Red Astrakhan

**Lower Volga**

**Zarizyner**

**Don**

**Kalmuck**

**North Caucasian** / Nagai

***Kazakhskaya*** */ Kazakh / Kazach*

***Kyrgyzkaya*** */ Kirgizskaya, Ordinskaya poroda* **/ Kirgiz**

***Severnaya Kyrgyzkaya*** / Severnii Kirgiz **/ North Kirgiz** / Severo-Kirgiz

***Loesnaya Kyrgyzkaya* / Central Kirgiz** / Narym

**Karakalpak**

***Nutgiin Uulderiin Unee* / Mongolian**

***Halhïn Gol*** */ Khalkhingol 'skiĭ skot* **/ Khalkun Golum**

**Gobi Steppe**

**Menggu** **/** Inner Mongolian

**Ujumqin** / Wuzhumqin

**Horqing**

**Anxi**

**Gaotai**

**Yangba**

**Tangjiao**

**Meiniu**

**Hazake**

**Lulu**

**Kirko** / Kirkho

**Ladakh Hill**

**Tibetan Dwarf** / Glang

**Lepcha**

**Goleng**

**Bajo**

**Diqin** / Dikin Yellow

***Sibirskaya chernopestraya*** */ Chernopestryĭ skot Siberi, Sibirskiĭ Cherno-pestraya* **/ Siberian Black Pied**

***Kemerovskaya* /Kemerovo**

***Auliéatinskaya*** */ Auliatinskaya,* *Aulyatinski* **/ Aulie-Ata**

***Char Tarlan* / Mongolian Black Pied**

**Chinese Black-and-White** / Chinese Black Pied, Chinese Holstein

**Beijing Black Pied**

**Pinzhou** / Pinchow, Pin-chou, Pinchou, North Manchurian Dairy

**Keerqin**

***Kurganskaya* / Kurgan**

**Caoyuan Red** / Chinese Red Steppe, Grassland Red

**Red Steppe** / Kazakh Red Steppe

***Byelagolova*** */ Kazakhskaya belogolovaya* / Kazakh Whiteheaded

***Aulyakolski* / Aulyakol** / Auliekol

***Tsagaan Tolgoit* / Mongolian Whiteheaded**

**Selenge**

***Siberskiĭ Simmentalskaya***  / *Sibirskaya Simmentalskaya* **/ Siberian Simmental**

***Dashevostochniĭ Simmentalskaya* / Far Eastern Simmental**

***Priuralskiĭ Simmentalskaya*** **/ Ural Simmental**

***Privolzhskiĭ Simmentalskaya* / Volga Simmental**

**Sanhe** / Three river breed

**New North Caucasian**

***Alatauskaya* / Ala-Tau** / Alatau

***Bor Khalium* / Mongolian Yellow Brown**

**Xinjiang Brown**

**Subgroup 9B Breeds from Northeast China, Korea and Japan and derivatives with European influence**

**­**

**Yanbian**

**Fuzhou** / Fuzhou Yellow

***Hanwoo*** */ Chosen, Han Woo* **/ Korean Native / Korean Brown** / Korean Yellow

**Chickso**

***Cheju Hanwoo*** */* **Cheju** / Jeju, Jeju native

**Korean Black**

***Wagyu* / Japanese native**

***Mishima ushi***

***Shusuku Tsuru***

***Yoshi Tsuru***

***Fuki Tsuru***

***Atsuta Tsuru***

***Kenrangyu* / Kenran**

***Kuchinoshima***

**Japanese Improved** / Nipponese Improved

***Akage Washu* / Japanese Brown**

***Kochi***

***Kumamoto***

***Kuroge Washu* / Japanese Black**

**Tajima**

**Shimane**

**Tottori**

**Hyogo**

***Mukaku Washu* / Japanese Poll** / Japanese Polled

***Nihon Tankatu Shu*** */ Tonkaku Washu* **/ Japanese Shorthorn** / Tonkaku Brown

**Nambu**

**South Korean Holstein** / Korean Holstein-Friesian

**Japanese Holstein** / Japanese Holstein-Friesian

**Subgroup 9C Yak and yak-cattle hybrids**

**yak** (domestic) **/ *Bos grunniens****, Bos (Poëphagus) grunniens* ***/ mao-niu /******topos* / *bree****,* ***'bri****,* ***dhee, dri, nak*** *(♀);* ***g’yag*** *(♂)* ***/ bri-mo****,* ***brimo,*** ***gnag****, (♀);* ***nor****,* ***yakpo****, (♂)*

**Henduan Alpine type yak**

**Alpine yak** / Tibetan High Mountain yak

**Jiulong**

**Bazhou**

**Huanhu**

**Yardong**

**Qinghai-Tibet Plateau type yak**

**Qinghai Plateau yak** / Long-hair-forehead yak

**Maiwa**

**Tianzhu White yak**

**Zhongdian**

**Gannan**

**Luqu**

**Mongolian yak**

**Common yak**

**Bareback yak**

**Nepalese yak**

**Ladakh yak**

**Feral yak**

**Mountain type**

**Plateau type**

**Himachal yak**

**Sikkim yak**

**Bho yak**

**Aho yak**

**Arunachal yak**

**Bareback type**

**Bisonian type**

**Common type**

**Hairy forehead type**

**yakow**

***pian-niu*** */ p’ien niu* ***/******mdzo /******hainag*** */ hainýk, hainik, khaynyk* ***/******bhotey*** */ bhotea* ***/***

***molang****,* ***glangmu /******jolong*** */ cholung,* ***lhang*** */ lang*

**local pien niu**, **false pien niu**, **improved pien niu**

***brimdzo, brimo dzhopo***

***ushu dzomo****,* ***mdzo-mo, ushu dzopho, mdzo-po*** */ dzobo*

***chauri*** */ cãuri, chowri, churi, tsauri* ***/******shamdzo****,* ***jommu*** */ jum,* ***zhum*** */ zomo, zum****/ dzopkhyo*** */ jhopke, joppa, zebkyo, zhopkyo, zopkio* ***/******rongpalang dzopoho***

***dridzo****,* ***dhimjo*** */ dimdzo, dimjo, dimschu* ***/******saran-hainag***

***bamo, galiba****,* ***ah gohr*** */ ago*

***pamu chowri, payok***

**Group 10 Breeds from Central and South China, Southeast Asia; bibovine cattle and their hybrids**

**Subgroup 10A Central Chinese yellow breeds (Huanghuai Group)**

**Qinchuan** / Ch'inch'uan / Chinchwan

**Zaosheng**

**Wanniu**

**Jinnan Yellow**

**Pinglu Mountain**

**Pingchuan**

**Jinan**

**Bohai Black** / Wudi Black

**Luxi** / Kwangtung, Shandong, Shan-tung

**Szyang** / Syhyang

**Tanyang** / Danyang

**Shanghai**

**Jiaxian Red** / Jiaxian

**Nanyang**

**Subgroup 10B Subtropical Chinese yellow breeds (Changzhu Group) and Indo-Chinese humped breeds**

**Sanjiang** / Szechuan

**Bashan**

**Xuanhan**

**Qinba**

**Pingli**

**Xizhen**

**Chiya**

**Lingnan**

**Miaoya** / Yunba

**Zaobei** / Chowpei, Chou-pei, Dschau-bei

**Wuling**

**Enshi**

**Xiangxi**

**Ebian Spotted**

**Dengchuan**

**Zhaotong**

**Panjiang** / H’mong

**Sinan**

**Liping**

**Guanling** / Guanling Yellow, Guizhou

**Longlin** / Guixi

**Wenshan** / Guangan

**Bainiu** / Jiniu

**Dabieshan**

**Dabie Mountain**

**Huangpi** / Huang-p'o, Huang-p'ei

**Wannan**

**Guangfeng** / Guanfeng

**Zhoushan**

**Wenling Humped**

**Ji’an**

**Minnan** / Min

**Taiwan Black**

**Batanas Black**

**Hong Kong Zebu**

**Taiwan Zebu** / Formosa Drought

**Taiwan Yellow**

**Subgroup 10C Tropical Indo-Chinese zebus, Philippine and Indonesian breeds and derivatives with exotic influence**

**­**

**Yunnan Zebu** / South Yunnan Zebu, Yunnan High-hump, Yunnan Humped

**Xishuangbanna** / Banna

**Dehong**

**Dali**

**Burmese** / Tavoy, Arakan, Myanmar native

***Shwe Ni*** **/ Burmese Racing**

***Shan Nwar* / Shan**

**Thai** / Siamese

**Thai Highland**

**Thai Lowland**

***Kho Peun Nyang Thai E San***

**Laotian**

**Laos Yellow**

**Ngoua**

***Cambodgien* / Cambodian** / Khmer

**Lowland Khmer**

**Highland Khmer**

**Moi**

***H’Mong* / Hmong**

***Bo Vang* / North Vietnamese Yellow** / Annamese, Vietnam Yellow

***Cao Bang***

***Bo U dau Riu* / U Riu**

***Bo Chau-Doc* / South Vietnamese** **Yellow** / Vietnam Yellow

***Tuy-Hoa***

***Ba Ria***

***Phu Yen***

**Leiqiong**

**Leizhou** / Xuwen Humped

**Ji’An**

**Hainan Humped** / Hainan High hump

**Batangas**

**Kedah-Kelantan** **/ KK** / Kedah-Thailand, Kelantan, Kelantan-Kedah, Siam-Kedah, Thai-Kedah, Terengganu, Trengganu

***Bligon Madura* / Madurese** / Madura cattle

***Blateran Java***

***Bligon Java*** / Jawi **/** **Javanese** / Java cattle

***Galekan*** */ Jawi Trenggalek*

***Rambon Banyuwangi*** */ Jawi Timur*

***Jawi Pandaan***

***Nwar Pyiase* / Chaubauk**

***Kadonta*** */ Katonta*

***Pyar Zein*** */ Pya sein*

***Pyar Phu***

***Kyank Phu*** */ Kyankphu*

***Shwe Ni Gyi*** */ Shwe-ni-gyi*

***Khao Lumpoon*** */* ***Kao Lumpoon****, Kai Lumpoon* **/** **White Lumpoon** / White Lamphun

**Thai Fighting** / Thailand Fighting Zebu

**Laisind**

***Thanh-Hoa* / Tonkin Zebu**

**Local Indian Dairy** **/** **LID**

**Brakmas**

**Sumba Ongole**

***Peranakan Ongole*** **/** **Javanese Ongole** / Java Ongole, Grade Ongole

**Mirrit**

**Javanese Zebu**

**Merauke**

**Borneo Zebu**

***Kabota***

***Kaningan***

***Aceh***

***Pesisir***

***Filial Ongole*** **/ Sumatra Ongole**

**Sumatra cattle**

**Mafriwal**

**Charoke**

**Philippine Native**

**Philamin**

**Ilocos** / Ilocano

**Large Ilocos**

**Small Ilocos**

**Iloilo**

**Marianas** / Marianas Island, Marianne

***Sapi perahan Grati*** **/** **Grati**

***FH-hitam-putin*** **/** **FH red pied**

***FH-merab*** **/ FH red pied dual-purpose**

**Subgroup 10D Bibovine cattle and their hybrids**

***sapi Bali*** **/** **Bali cattle** **/ *Bos javanicus javanicus***, *Bos (Bibos) javanicus* / Balinese

**White Bali cattle**

***sapi utan* / Siamese banteng** / Malay banteng, feral Bali cattle

**Cobourg Peninsula**

***Rambon Bali***

***Rambon Madura*** */ Rambon Madurese, Blateran rambon*

**Lowland Khmer x banteng**

**Highland Khmer x banteng**

**Mithun / Gayal/ *Bos frontalis****, Bos (Bibos) frontalis*

**Bami** / Menscha / Bhutanese Mithun

**Mithun-Siri**

Indian **Mithun:**

**Arunachali**

**Aadi**

**Aka**

**Nishi**

**Nagami**

**Manipuri**

**Mizorami**

**Dulong**

***Selembu***

***Seladang* x Holstein-Friesian**

**Group 11 North and West African taurine breeds**

**Subgroup 11A North African Shorthorn breeds and derivatives with exotic influence**

***Blonde d’Oulmès et des Zaërs*** */ Blonde des plateaux d'Oulmès et des Zaërs* **/ Oulmès-Zaërs Blond** / Blond Moroccan, Moroccan Blond, Morocco Blond Atlas

***Oulmès Blond*** / Morocco Olmez

***Blond Zaërs***

***Tidili*** */ Ouzguitia* / Morocco Tidili

***Brune de l’Atlas*** */ Charb, Donkhala, Maghreb, Meknès* **/** Moroccan **Brown Atlas**, Brown Atlas

***Beni-Ashene***

***Branes***

***Demnat***

***Fez-Meknès***

***Zemour***

***Noire Pie de Meknès*** */ Pie-Noir de Meknès* **/** **Meknès Black Pied**

***Chaouia*** */ Aran, Mahon, Orano-Algiers, Shauria* **/** Algerian **Brown Atlas**

***Aïn-Beïra***

***Chéliff***

***Beni Sliman***

***Oran***

***Tiaret***

***Guelma*** */**Bouefs de Bône* ***/* Algerian Guelma**

***Cheurfa***

***Kabyle***

***Biskra***

***Guelma* / Tunisian Guelma** / Tunisian Blond

***Djerba***

***Kef***

**Libyan Shorthorn** / Libyan local

**Maryuti**/ Arabawi, Arabian, Sahrawi

**Thibar**

***Béja***

***Ichkeul*** */ Bizerta*

***Mateur***

***Blonde-du Cap Bon*** **/** **Cape Bon Blond**

**Subgroup 11B Lake Chad breed and taurindicine crossbreds**

***Kouri*** */ Arabe, Baharié, Bare, Borrié, Boudouma, Dongolé, Kuburi* **/** **Kuri** / Buduma, Chad, White Lake Chad

***Gimira***

***Jotko*** */ Jotkoram*

***Toubou***

***Kanem***

**Subgroup 11C N'Dama, taurindicine derivatives and derivatives with exotic influence**

***N'Dama*****/*****N'Dama Petite*** **/*****Boenca*** */**Boyenca* **/Fouta Longhorn** / Fouta Jallon,Fouta Malinke,Futa, Guinea N'Dama, Malinke, Mandingo / *Outa Malinke*

**Gambian N’Dama */ N'Dama Grande*** */ N'Dama de Kaarta*

***N’Gabú / N’Gabou***

***Foula*****/** **Fula**

***Djakoré*** */ Sine*

***Bambey***

***N'Damaza***

***Bambara*** */ Farabané, Mandé, Méré*

**N'Dama-Sanga** / pseudo-Sanga, Sang

***N'Dama-M’Bororo* / N’Dama x Red Bororo**

**Ndagu**

***N'Dama-Jersey***

***N'Damance***

***Avétonou***

**Subgroup 11D West African Shorthorn breeds and taurindicine derivatives**

***Baoulé***

***Lobi*** */ Lobi-Gouin*

***Oudalan***

***Baoulé de Ghana*** **/ Ghana Shorthorn** / Gold Coast Shorthorn, WAS

***Somba*** */ Atakora* ***/******Konkomba*** */ Mango*

***Pabli***

***Logone*** */ Toupouri*

**Muturu** / Moutourou, Nigerian Shorthorn

**Forest Muturu** / Kirdi

**Savannah Muturu** / Pagan

**Dwarf Muturu**

**Lagos Cross** / Keteku

***Doayo*** */ Kirdi, M'Bougi, Namchi, Namshi, Poli*

***Bakosi*** */ Bakuri, Kosi*

***Bamiléké***

***Bakweri***

***Taurin de l'Est*** **/ Eastern Taurine**

**Liberian Dwarf Muturu**

***Manjaca***

**Senegambian Shorthorn**

***Lagune****/ Bayanzi*

***Lagunaire*** */ Race des Lagunes* **/ Lagoon**

**Ghana Dwarf Muturu**

***Mayombe*** */ Mayumbe* ***/ Dahomey***

***Méré*** */ Méré-Lobi*

**White Sanga**

***Borgou*** */ Borgawa, Borgowa, Borgu* ***/******Bobori / Lagunaire grande modele*** **/ Borgu**

***Borgou-zébu* / Borgu zebu**

***Keteku*** */ Kaiama, Keteku de Borgu*

**Biu**

***Kapsiki*** */ Kirdi, Mbuuyé, Tla pseke*

**Group 12 West African Zebu breeds**

**Subgroup 12A Shorthorned Sahel zebu breeds**

***Maure* / Moor**/ *Arab, Gabaruyé* / Mauritanian, Moorish

***Azaouak*** */ Azawa, Azawagh, Azawaje, Azaoual, Azaouadji, Azbingaoua* /*Azbin / Dalleye, Damerghou, Goudali, Shanun Adar* ***/******Touareg*** */ Tagama, Tarqui, Tourgai* ***/******Adar***

**Shuwa Arab** / Arab Shuwa, Arab Zebu, Arab Choa, Wadara ***/******Shuwa Arabe*** */ Arabe, Aznadji* ***/******Zébu Arabe*** ***/******Arabe Choua*** */ Tur*

***Shuwa-Aral*** **/ Aral Shuwa**

***Kilara***

***Noble*** */ Barahaja*

***Batarde*** */ Farfarou*

***Kabi***

***Wadawa***

**Sokoto Gudali*****/******Goudali*** */ Bokoloji, Dalergaoua, Godali, Sokoto Goudali, Zébu de Sokoto*

**Diali** / Jali, Jalliji, Jeli, Nigerian Fulani ***/ Zébu Peul nigérien*** */ Djelli, Djeli, Jalli, Shanun Bayaro* **/ *Zébu Peul* /** ***Peuhl Voltaïque***

**Subgroup 12B Adamawa zebu breeds and derivatives with exotic influence**

**Bamenda** / Adamawa, Adamawa Fulani, Cameroon Fulani ***/ N'Gaoundéré*** */ Goudali de l’Adamaoua, N'Gaoundéré Goudali*

**Yola Gudali / *Yola*** */ Foulbé de Yola, Tattabareji, Mayne*

***Wakwa***

***Préwakwa***

**Subgroup 12C Fulani zebu breeds with long lyre-shaped horns**

***Gobra*** */ Foulfoulé, Toronké Fulani, Zébu Peul sénégalais* **/** Senegal Fulani, Senegal Zebu

***Gobra de Djoloff*** **/ Djoloff Gobra**

***Gobra de Baol*** **/ Baol Gobra**

***Dagana***

***Zébu Peul soudanais*** */ Baouro, Bogoro-Fulani, Fulani-Nam, Misse, Peul-Fulani* **/ Sudanese Fulani** / White Umboroa

***Zébu Toronké* / Toronké Fulani**

***Zébu de Kaarta* / Kaarta Fulani**

***Zébu Peul de Ségou* / Ségou Fulani**

***Zébu Peul de Macina*** **/ Macina Fulani**

***Zébu Peul Sambourou* / Sambourou Fulani**

**White Fulani** / White Bororo, White Fellata, White Kano **/ *Yakanaji*** */ Akou, Bima, Bimaji, Boradji, Bororo Blanc, Bunaji, Fellata, Foulbé blanc, Fulbe, Katsinaoua, Tulus, Umbororo, Yakanape, Zébu Peul blanc*

***Fellata*** ***/******Kanouri*** */ Bororo*

*Woodabe*

**Banyo**/ Banyo Gudali */ Foulbé de Banyo, Goudali de Banyo*

***Pul-M'Bor***

**Red Bororo** / Red Fulani ***/******M'Bororo*** */ Abori, Bororodji, Bodadi, Fogha, Mbororo, Rahadji, Rahaji, Rahaza, Zébu Bororo* ***/******Brahaza*** */ Djafoon* ***/******Fellata*** */ Fogha, Gabassaé, Gadéhé, Hanagamba, Kréda* / Red Longhorn

***Abrankeji***

***Poulpulli*** */ N'Dowiji*

***Wodabe***

**Group 13 East African zebu breeds**

**Subgroup 13A Zebu breeds from Northeast Africa**

**Saidi**

**Baggara** / Western Baggara

***Nyalawi***

***Habbani*** */ Tetrone*

**Nuba Mountain Zebu**

**Nuba Shorthorn** / Delami, Koalib, Nuba Dwarf

***Dar el Reih* / Butana** / Red Butana, Red Desert

**Bambawa** / Bambaua

**Dongola**

**Shendi**

***Rufa'ai El Hoi*** */ Rufa'ai El Sherik* **/ Kenana** / Blue Nile, Fung, Northern Riverain cattle, Northern Province cattle

**Fung Kenana**

**Gezira**

**White Nile Kenana** / Kosti Kenana

**Ingessana**

**Barka / Begait**

**Dohin**

**Subgroup 13B Small zebus from the Arabian Peninsula and the Horn of Africa**

**South Arabian Zebu** / Bedouin, Quarra

**Zufari** / Dhufar Zebu, Dofar Zebu, Omani Dhofari, Oman Zebu

**Socotra**

**Yemeni Zebu**

**Baherie** / Aden Zebu, Arab, Bahari, Berbera

**Western North Somali Zebu** **/ Aden**

**Eastern North Somali Zebu**

**Gasara** / Abgal, Aria, *razetta delle dune*

**Magal** / Correi

**Garre** / Dawara, Gerra, Gherra

**Bimal** / Baria

**Singhi**

**Subgroup 13C East African Shorthorn Zebu breeds**

**Murle**

**Toposa**

**Karamajong**

**Jie**

**Turkana**

**Boran** / Borana, Ethiopian Boran **/ Awai** / Somali Boran

**Ogaden Zebu**

**Hammer Zebu** / Hamer

**Orma Boran** / Tanaland Boran

**Kenya Boran** / Improved Boran

**Boran x Holstein**

**Masai Zebu** / Maasai

**Masai Grey** / Maasai Grey

**Subgroup 13D Small East African Zebu breeds and derivatives with exotic influence**

**Adwa**

**Wollo Highland**

**Smada**

**Ambo**

**Jijjiga Zebu**

**Harar**

**Guraghe**

**Gojjam Highland**

**Arsi** / Arusi, Arussi

**Bale** / Abyssinian Highland Zebu

**Jem Jem Zebu** / Black Highland Zebu

**Gamo-Goffa** / Goffa Dwarf

**Goffa highland**

**Goffa lowland**

**Sheko /** Goda, Dello, Dobe, Bombel, Mitzan, Mulge, Semo, Tunibey, Tunt

**Mursi**

**Mongalla** / South-eastern Hills Zebu, Southern Sudan Hill Zebu

**Latuka**

**Didinga**

**Bari**

**Lugware** / Bahu, Kuku, Mangbattu

**Nkedi** / Bukedi, Eastern Province Zebu, Lango, Teso

**Usuk** / Usuku **/** **Suk**

**Kyoga**

**Teso Zebu**

**Kipsiki Zebu**

**Western Province Zebu**

**Samburu**

**Kamasia**

**Nandi** / Nandi Blue

**Winam**

**Kavirondo**

**Watende**

**Kikuyu Highland Zebu**

**Coastal Zebu** / Lowland Zebu

**Kamba** / Akamba, Ukamba, Wakamba

**Durama**

**Giriama**

**Taita** / Taveta

**Kilimanjaro Zebu**

**Chagga** / Wachagga

**Pare**

**Mbulu**

**Tanzanian Shorthorned Zebu / TSZ**

**Tarime** / Shashi

**Tanganyika Shorthorn Zebu**

**Mkalama Dun** / Mkalama Gold

**Singida** / Singida White

**Ugogo** / Ugogo Zebu, Ugogo Grey, Gogo

**Sango**

**Iringa Red**

**Zanzibar Zebu**

**Pemba Zebu**

**Unguja Shorthorn**

**Angoni** / Ngoni, Zambia Angoni

**Lundazi**

**Chipata-Katete**

***Angonia*** / Angone, Mozambique Angoni, Mozambique zebu

**Malawi Angoni** / Malawi Zebu

**North Malawi Angoni** / Nyasa Angoni, Nyasaland Angoni

**South Malawi Zebu** / Nyasa Zebu, Nyasaland Zebu

**Mpwapwa** / Indo-African Zebu

**Mikolongwe**

**Taurindicus**

**Kenya Sahiwal**

**Kenyawal**

**Subgroup 13E Zebu breeds from Madagascar, Mauritius and Ocean Islands and derivatives with exotic influence**

***Omby Malagasy*** */* ***Zébu Malgache*** **/ Madagascar Zebu**

***Baria***

***Omby Rana*** **/ Rana**

***Renitelo***

***Manjan‘i Boina***

***Zébu de Maurice* / Mauritius Zebu**

***Créole de Maurice* / Mauritius Creole**

***Ile d’Amsterdam* / Amsterdam Island**

***Felicité***

**Group 14 African sanga and zenga breeds**

**Subgroup 14A Northeast African sanga and zenga breeds**

**Beja**

**Medenes**

**Aradó** / *Akele-Guzai,* *Asaortina* / Asaorta /Tigray, *Tigré*

**Bileri** / Baria

**Irob**

**Abergelle**

**Afar** / Adal, Adali, Afar Sanga, Keriyu, Raya **/ Danakil** / Dancalian

**Raya-Azebó** / Galla Azebó, Raya Sanga

**Arusi-Galla**

**Fogera**

**Horro** / Shewa, Uollega, Wallega, Wollega

**Nilotic sanga**

**Nuer**

**Eastern Nuer**

**Abigar** / Anuak

**Shilluk**

**Aweil Dinka**

**Wadai Dinka**

**Aliab Dinka**

**Jiddu** / **Tuni** **/ Giddu** / Macien, Serenli, Sorco, Sucra, Surco, Surco Sanga, Surgo, Surug

**Subgroup 14B Ankole sanga and zenga breeds from Central Africa**

**Bahima Ankole** / Ankole, Ankole Longhorn / Bahima

**Ntoro** / Toro

**Ntuku** / Ntuuku

**Nkiga**

**Nsongora**

**Nganda** / Nsagalla, Sese Island

**Sesse Shorthorn**

**Ankole** / Rwanda sanga, / Watusi

***Inkuku*** */ Nkuku, vache ordinaire*

***Ibigarama***

***Inyambo*** */ vache royale*

***Ankolé*** / Burundi sanga

***Inyambu***

***Inyaruguru***

***Busoni***

***Mugambu***

**Kivu sanga**

**Kigezi**

**Kigezi Shorthorn**

**Karagwe Shorthorn**

**Bashi**

**Bantu cattle**

**Ruzizi**

**Alur** / Blukwa, Nioka

**Nyoro**

**Serere**

**Sukuma** / Tinde, Malagarasi Ankole

**Ugoi**

**Fipa**

**Nkasi Fipa**

**Sumbawanga Fipa**

**Subgroup 14C Sanga and zenga breeds from southern Africa and derivatives with exotic influence**

***Porto Amboim*** **/ Angolan** / Angola

**Ovambo** / Ambo

***Tshilengue*** */* *Mocho de Quitengues**,*Ondango

***Humbi*** */ Humbe*

***Kwaniama***

***Mucubai***

**Okavango**

**Kaokoveld**

**Caprivi sanga**

**Kashibi**

**Damara** / Herero

**Damara-Herero**

**Barotse** / Lozi, Rowzi, Rozi

**Baila** / Ba-Ila, Mashuk, Mashukulumbwe, Mashukulumpo

**Tonga**

**Govuvu** / Kavuvu, Kwavuvu

**Binga**

**Nkone** / Mangoni, Manguni, Matabele

**Tuli** / Harvey's cattle

**Amabowe**

**Tulim**

**Okuma**

**Tswana** / Bechuana, Sechuana, Setswana **/ West Sanga**

**Batawana** /Ndawana, Tawana

**Seshaga**

**Sengologa**

**Mangwato**

**Ngami** / Bakalahari, Batawana, Ndawana, Tawana, Tswana

**Ngwato** / Bamangwato

***Ngombe dza Vakaranga* /** **Makalanga** / Makaranga

***Dikgomo tsa Borwa* / Sekgatla** / Southern Tswana

***Landim*** */ Sul do Save*

**Nguni** / Swasi, Zwazi, Zulu

**Bapedi** / Pedi

**Shangan**

**Royal Zulu herd**

**Xosa**

**Ama-Xosa**

**Bavenda** / Sibasa, Venda

**Bolowana** / Izankaya

**Ondongolo**

**Pondo**

**Zwazi**

**Zulu**

**Borguni**

**Sanganer**

**Afrikander / *Afrikaner*** */ Africander*

***Hottentottenvee*** **/ Namaqua**

***Bakhoornig*****/** **Cup-Shape-Horn**

**Long-Twisted-Horn**

***Keepnek*** **/ Notch-Neck**

**Yellow Afrikander**

**Poll Afrikander**

**Afrigus**

**Mashona** / Amajanja, Chishona, Mombe, *Ngombe dza Maswina*, Njanja, Sindebele, Shona

***Bovines da Tete* / Bovines of Tete**

***Barra do Cuanzo***

**Mateba**

**Kisantu**

**Nama**

**Musi** / Botswana beef synthetic

**Basuto**

**Drakensberger** / Black Africander

***Vaderlanders***

***Uysbees***

**Kemp**

**Tintern Black**

**Supertaler**

**Tauricus**

**Bonsmara**

***Wesselsvlei***

***Roodenbos***

***Vaalhaiz***

**Holmonger**

**Nuras**

**Huguenot** / Hugenot

**Veldmaster / Africarne**

**Bovelder**

**Symons cattle**

**Subgroup 14D European, American and Australian purebred populations in South Africa**

**Red Pied Schleswig-Holstein** ***/ Rotbunte Schleswich Holsteiner***

**SA Holstein**  */* Holstein-Friesland

**SA Ayrshire**

**SA Guernsey**

**SA Jersey**

**SA Dairy Swiss**

**SA Braunvieh /** Brown Swiss dual-purpose

**SA Dairy Shorthorn** / SA Milking Shorthorn

**SA German Red** */*SA *Deutsches Rotvieh*

**SA Dexter**

**SA Kerry**

**Dexter-Kerry**

**Pecanite**

**SA Aberdeen Angus**

**SA Beef Shorthorn** */ Korthoring*

**SA Hereford**

**SA Highland**

**SA North Devon**

**SA Red Poll** */**Rooi Poenskop*

**SA South Devon**

**SA Sussex**

**SA Weebollabolla**

**SA Charolais**

**SA Limousin**

**SA Salers**

**SA Simmentaler**

**SA Gelbvieh**

**SA Pinzgauer**

**SA Chianina**

**SA Marchigiana**

**SA Romagnola**

**SA Senepol**

**SA Wagyu**

**SA Beefmaster**

**SA Brangus**

**SA Charbray**

**SA Gelbray**

**SA Santa Gertrudis**

**SA Simbrah**

**SA Boran**

**SA Brahman**

**SA Gir**

**Gir-Brahman**

**Group 15 American breeds of Iberian descent**

**Subgroup 15A Texas Longhorn, Gulf Coast cattle, Mexican Criollos and derivatives**

**Texas Longhorn** / Longhorn

**Marks line**

**Philips herd**

**Woods line**

**Wright line**

**Buttler line**

**Peeler herd**

**Witchita Wildlife Refuge herd**

**Yates line**

**Miniature Texas Longhorn**

**Miniature Spanish Las Manchas**

**Florida Cracker** / Florida Native, Florida Scrub

**Ezell herd**

**Neal herd**

**Grews brothers line**

**Wassie Fish line**

**Guinea dwarf**

**Pineywoods** / Piney Woods, Southern Woods Cattle

**Diamond herd**

**Griffin line**

**Poppel line**

**Robinson cattle**

**Tornhill line**

**Agricola herd**

**Barnes line**

**Baylis herd**

**Broadus line**

**Carter line**

**Conway line**

**Dedeaux line**

**Hickman line**

**Holt line**

**Ladner herd**

**Ladnier herd**

**Palmer-Dunn herd**

**Vice herd**

**Corriente** / Mexican

**Chinampo**

**Frijolillo**

***Criollo mexicano* / Mexican Criollo**

**Tarahuma**

**Hawaiian wild**

**Californian cattle**

***Ganado Toro de Lidia*** */ Brava* **/** Mexican **Fighting cattle**

***Santa Coloma***

**Salorn**

**Geltex**

**Texon**

**El Monterey**

**Subgroup 15B Caribbean Criollo breeds and derivatives with exotic influence**

***Criollo cubano*** */ Criollo de Cuba* **/ Cuban Criollo**

***Tinima***

**Miniature Criollo**

***Créole* / Haitian Criollo**

***Creole Jamaicano*** **/ Jamaica Creole**

***Criollo Lechero*****/ Dominican Criollo** / Dominican Dairy Criollo

***Créole*** **/ Puerto Rican Criollo**

***Taino***

***Crimousin***

***Cebú Cubano*** */ Bermejo* **/ Cuban Zebu**

***Romana Rojo*** **/ Romana Red**

***Criollo de Trinidad* / Trinidad Criollo**

***Créole de Guadeloupe* / Guadeloupe Criollo**

***Créole de la Martinique* / Martinique Criollo**

**Subgroup 15C Central American Criollo breeds and derivatives with exotic influence**

***Barroso***

**Guatemalan Criollo**

***Chino* / Honduran Criollo**

***Criollo*** **/ Salvadoran Criollo**

***Criollo lechero tropical*** */ Criollo lechoro, Reyna* **/ Tropical Dairy Criollo** / Central American Dairy Criollo, Improved Criollo, Milking Criollo

**Costa Rica Criollo**

**Nicaragua Criollo**

***Doran***

***Achiote***

***Mysol***

**Subgroup 15D Criollo breeds from the northern part of South America and derivatives with exotic influence**

***Criollo lechero Limonero*** */ Criollo lechero Venezuelano* **/ Limonero** / Rio Limón Dairy Criollo

***Costeño con Cuernos / CCC*** */ Andaluz, Cornígero de la costa, Sinuano de cuernos, Sinú con cuernos* **/** Coastal Horned

***Romosinuano*** */ Moruno-sinuano, Romo* **/**Coastal Polled, Polled Sinú

***Chino Santandereano* /** Santander Hairless

***Blanco Orejinegro******/ BON*** */ Antioqueño* **/** Black-eared White

***Blanco Orejimono******/ BOM* /** Red-eared White

***Casanareño*** */ Casanare* ***/ Llanero***

***San Martinero /SM*** */ Sanmartiniana* **/ San Martin**

***Hartón*** */ Vallecaucana, Valle de Cauca*

***Caqueteño***

***Surinaamse Créole* / Surinam Criollo**

***Caroreña*** */ Tipo carora* **/ Carora**

***Ocampo***

***Lucerna***

***Mestizo perijanero* / Mixed Perijanero**

***Perijanero***

***La Velásquez* /Velásquez**

***Créole*** **/ French Guyana Mixed Criollo**

***Surinaamse Mixed Créole* / Surinam Mixed Criollo**

**Rupununi Criollo**

**Subgroup 15E Sierra Criollo breeds from the High Andes and taurine derivatives**

***Criollo equatoriano*** */*  *Chusco* **/ Ecuador Sierra Criollo** / Equador Criollo

***Criollo del Páramo* / Paramo Criollo**

***Criollo de las Hoyas* / las Hoyas Criollo**

***Costa Criollo*** **/ Coastal Criollo**

***Criollo de El Oro*** **/ El Oro Criollo**

***Criollo de Esmeraldas*** **/ Esmeraldes Criollo**

***Criollo peruano*** */ Chusco* **/ Peruvian Criollo** / Peruvian Sierra Criollo

***Serrano*** */ Tipo eumétrico*

***Ñata* / Niata**

***Criollo altiplanico*** */ Chusco* **/ Bolivian Altiplano Criollo** / Criollo of the Altiplano

***Criollo chileno*** */ Costeno* **/ Chilean Criollo**

**Subgroup 15F South American Criollo breeds of Spanish-Portuguese descent and derivatives with exotic influence**

***Curraleiro*** */ Goias Sertanejo, Pé duro Crioulo, Crioulo nordestino* **/**Northern Crioulo

***Crioulo leiteiro de Irecé* / Irecé Dairy Crioulo**

***Mocho Nacional*** */ Caracú variedade mocho* **/ Brazilian Polled**

***Caldeano***

***Junqueiro***

***Caracú* / Caracu**

***Legitímo***

***Mineiro***

***Igarapé***  */ Guarapuéva, Nanico*

***Pantaneiro*** */ Cuiabano, Tucura*

***Yacumeño*** */ Beni Criollo, Criollo Yacumeño*

***Beni Criollo***

***Saavedreño*** */ Santa Cruz*

***Valle Grande Criollo***

***Chaqueño* / Chaco Criollo**

***Fronterizo*** */ Tipo elipométrico*

***Crioulo Lageano*** */ Crioulo do Santa Catarina* **/ Lages Crioulo**

***Franqueiro***

***Pedreiro***

***Crioulo Mocho Pereira Camargo*** */ Ganado Pereira Gamargo* **/ Polled Crioulo Pereira Camargo**

***Criollo* / Uruguayan Criollo**

***Colônia***

***Aquitânica*** **/ Aquitanian**

***Pampa***

***Criollo argentino patagónico*** **/ Patagonian Criollo** / Ushuaia Wild

***Patuá***

***Casteado***

***Angola***

***Guademar***

***Malabar***

***Carazebú*****/ Carezebu**

***Nilo***

***China***

***Quinhentão***

***Tatu***

**Group 16 Modern cattle breeds from America, Australia and New Zealand** **and bovine hybrids**

**Subgroup 16-1A Authentic American, Australian and New Zealand populations and breeds**

***Canadienne* / Canadian** / Black Canadian, Black Jersey, French Canadian, Quebec Jersey

**Randall Lineback** / Randall Blue Lineback, Randall Blue, Randall cattle

**Native cattle**

**Lineback** / American Lineback, skunk cow

**Holderness**

**Columbian**

**American G**

**Colorsided**

**Yellow Dane**

**Polled Albion**

**Milking Devon** / American Milking Devon, Red Devon

**Illawarra** / Australian Illawarra Shorthorn, South Coast cattle

**Australian Milking Shorthorn**

**Darbalara**

**Graham Island**

**Enderby Island**

**Campbell Island**

**Chirikof Island /** Aleutian Wild

**banteng** / feral Bali cattle, Cobourg Peninsula

**Subgroup 16-1B Dairy and dual-purpose breeds descending from European breeds**

**Milking Shorthorn** / American Milking Shorthorn

**Poll Milking Shorthorn**

**Polled Durham**

American **Ayrshire**

American **Guernsey**

American **Jersey**

**Polled Jersey**

**Guinea Jersey** / Barnyard Jersey, Island Jersey, Lesser Jersey, Miniature Jersey,

Rabbit Eyed Jersey

**New Zealand Jersey**

American **Kerry**

**Dutch Belted** / American Dutch Belted, Belted Dutch

**Holstein** / American Holstein **/ Canadian Holstein** / Holstein-Friesian

**Polled Holstein**

**Miniature Holstein**

***Holstein Mexicano***

***Frisona***

***Frisona Chileno* / Chilean Holstein-Friesian**

***Holando-Argentino* / Argentine Holstein** / Argentine Friesian, Dutch Argentine

***Holandês*** **/ Brazilian Friesian**

**Australian Holstein-Friesian**

**Red Holstein**

***Frisoña vermelho e branca*** */ Holandesa vermelho (e branca)* **/ Friesian Red Pied**

**New Zealand Friesian** / New Zealand Holstein-Friesian

**MRY / Dutch Shorthorn** ***/* *Holandês Variedad Mosa, Rhino e Issel* /** ***Overo colorado***

**Brown Swiss** / American Brown Swiss ***/******Suizo Pardo******/* *Pardo******Suizo*** ***/******Pardo Suíço***

American **Normande */* *Normando***

***Normando mocho* / Polled Normande**

American **Norwegian Red**

***Red Dane*** **/ *Dinemarquês***

***Flamenga*** **/** ***Flemish***

**Dairy Synthetic** / Dairy-beef synthetic

**Australian Commercial Dairy Cow** **/** **ACDC**

**Aussie Red** / Aussie Reds

**Kiwi**

**Subgroup 16-1Bb Taurindicine dairy and dual-purpose breeds**

**Jamaica Hope** / Jersey-Zebu, Montgomery-Jersey

**Australian Milking Zebu / AMZ**

**Girsey**

***Jerdi***

***Tropicana***

**Siboney de Cuba / Siboney**

***Mambi***

***Caribe***

***Girolando*** */ Girolandia, Holangir, Mantiqueira, Tribofe*

***Sinderolando***

***Nelorando***

***Gipardo***

***Normanzu***

***Brahmanstein***

***Tropical***

***Jaguanês*** */ Jaguanese*

***Javanês***

***Riopardense***

***Guzolando***

***Guzerolando***

***Guzerando***

***Xingu***

***Santa Mariana***

***Mestizo-Holstein***

**Australian Frieswal / AFS** / Australian Friesian-Sahiwal

**New Zealand Taurindicus** **/** **NZSHF** / New Zealand Sahiwal x Holstein-Friesian

***Itapetinga***

***Lavínia***

***Suisbú*** / *Suizo-zebú*

***Subu***

***Pitangueiras***

***Pitalanda***

***Rojo Jamaicano*** */ El Descornado Rojo Jamaicano* **/ Jamaica Red** / Jamaica Red Poll, Goodhope Red

***Mestiço leiteiro brasileiro / MLB*** **/ Brazilian milking crossbred** / Brazilian dairy hybrid

***Indo-europeu leiteiro* / Dairy Indo European**

***Santa Gabriele***

**Subgroup 16-2A Beef breeds descending from British breeds and derivatives**

**Beef Devon** / Red Devon, Ruby Reds

**Poll Devon**

American **Beef Shorthorn**

**Mini Durham/Shorthorn**

**Polled Shorthorn** / Double Standard Polled Shorthorn

**Single Standard Polled Shorthorn** / Polled Derby, Polled Durham

**Argentine Shorthorn**

***Tarquinos***

Argentinian **Lincoln Red**

**Australian Shorthorn**

**North Australian Shorthorn** / Kimberley Shorthorn, Northern Territory Shorthorn

**Australian Beef Shorthorn**

**Australian Polled Shorthorn**

**Weebollabolla** / Weebollabolla Shorthorn

American **Hereford** / Whiteface **/ Australian Hereford**

**Line One Hereford**

**Miniature Hereford**

**Polled Hereford** / Poll Hereford / Double Standard Polled Hereford

**Single Standard Polled Hereford**

**American Black Hereford**

**Angus** / American Angus, Black Angus ***/*** ***Aberdeen***

**Okie**

**Holgus**

**Black Baldie**

**Australian Angus**

**Australian Lowline** **/ Lowline Angus** / Mini Angus

**RedLine**

**Aussie Black**

**Red Angus** **/** ***Aberdeen Angus colorado***

American **Red Poll**

American **Galloway**

American **Belted Galloway**

American **White Galloway**

**Miniature Galloway**

**Scottish Highland**

**Miniature Highland**

American **Sussex**

**Mini Dexter**

**Ancient White Park** / Horned White Park

American **South Devon**

American **Luing**

American **Welsh Black**

**Beef Friesian** / American Beef Friesian

**Makaweli** / Makalwi

**Murray Grey**

**Paymaster**

**Tasmanian Grey**

**Australian Grey**

**Aussie Miniature Grey**

**Square Meaters**

**Kyrhet Australian Miniature Cattle**

**Adapteur**

**Belmont Adapteur**

**Belmont BX**

**Hays Converter**

**Better Idea**

**Regus**

**Amerifax**

**RX3**

**Speckled Park**

**Senepol** / Nelthropp

**Senagus**

**American British White Park**

**Australian White**

**Beef Machine**

**Pee Wee**

**BueLingo**

**Magnum**

**Miniature cattle**

**Mini American Beltie** / Oreo Cookie

**Miniature Black Baldie** / Black Miniature Whiteface

**Mini Belmont**

**Mini Belfair**

**Grad-Wohl Miniature**

**Auburnshire**

**Barbee**

**Belted Irish Jersey**

**Belted Lessor Jersey**

**Belted Kingshire**

**Belted Milking Devon**

**Burienshire**

**Covingtonshire**

**Five Breed Grad-Wohl**

**Four Breed Grad-Wohl**

**Happy Mountain**

**Justinshire**

**Kentshire**

**Red Kentshire**

**Kingshire**

**Panda**

**Red Panda**

**Mini Dexford**

**Subgroup 16-2Ab Taurindicine beef breeds mainly descending from British breeds**

**Santa Gertrudis**

**Polled Santa Gertrudis**

**Brahorn**

**Santa Cruz**

**Beefmaster**

**Poll Beefmaster**

**Quasah**

**Charsar**

**Braford** ***/*** ***Herebu***

**Victoria**

***Pampiano-Braford*** */ Braford brasileiro, Natura, Pampiana, Pampiano*

***Nelorford***

***Santa Clara***

**Australian Braford**

**Sahford**

**Belmont Red**

**Brangus**

**Mini Brangus**

**Australian Brangus**

**Bramalow**

***Negro Jamaicano* / Jamaica Black**

***Brangus-Ibagé***  */ Ibagé, Nelangus*

***Natura***

**Red Brangus**

**Angus/Brangus Plus**

**Africagnus**

**Sabre**

**Bravon** */ Debu*

**South Bravon**

**Greyman**

**Droughtmaster**

**Wokalup** / Wokalup Multi breed

**Solomon Red**

**Yalavou**

**Barzona**

**South Poll**

**Hotlander**

***Red Norte***

**Ranger**

**Hash Cross**

**Ritchie**

**Watson**

**Subgroup 16-2B Beef breeds descending from Continental European and Asian taurine breeds and derivatives**

American **Charolais** / ‘the Great White Breed’ **/** ***Charolés* / *Charolês***

**Polled Charolais** **/** ***Charolês mocho***

**Black Charolais**

**Red Charolais** / red-factor Charolais

American **Limousin**

**Polled Limousin**

**Black Limousin**

**Black-Polled Limousin**

**Australian Polled Limousin**

**Lim-Flex**

**American Maine-Anjou**

**Black** **Maine-Anjou**

**MainTainer**

American **Blonde d’Aquitaine**

American **Salers**

**Polled Salers**

**Black Salers**

**Black-Polled Salers**

**Salerford**

American **Tarentaise**

***Simental*** / Fleckvieh

American **Simmental**

**Polled Simmental**

**Black Simmenta**l

**Black-Polled Simmental**

American **Braunvieh / Beef Brown Swiss** **/** ***Pardo Suiço Corte***

American **Gelbvieh**

**Polled Gelbvieh**

**Black Gelbvieh**

**Black-Polled Gelbvieh**

American **Pinzgauer**

**Pinzbrau**

American **Herens**

American **Chianina**

**Polled Chianina**

**Black Chianina**

**Black-Polled Chianina**

American **Romagnola**

American **Marchigiana** / Marky

American **Piedmontese / *Piemontês***

American **Belgian Blue** / American Belgian White Blue

American **Wagyu**

**Wangus**

**Char-Swiss**

**Charwiss**

**Range Fire** / Range Fire Composite, Fire Red

**M4** / Heyster

**Kinsella**

**Burwash**

**Chargrey**

**Fort Cross**

**Limangus**

**Simford**

Australian **Beefmaker**

**Black Maximizer**

**Romark**

**RomAngus**

**Beef Synthetic**

**Cuprem Hybrid**

**Cash**

**Range Maker**

**Shaver**

**Leachman Hybrids**

**Stabilizer**

**Balancer**

**MARC**

**MARC I**

**MARC II**

**MARC III**

**Beefbooster**

**M1**

**M2**

**M3**

**M4**

**TX**

**Chi crosses**

**Chiangus** **/ CAX** / Ankina

**Chimaine** **/ CM**

**Chiford / CF**

**Subgroup 16-2Bb Taurindicine beef breeds mainly descending from Continental European breeds**

**Charbray**

Australian **Charbray**

***Chacuba***

***Canchim***

***Canchim mocho*****/ Polled Canchim**

***Charonel***

**Charford**

**Brah-Maine**

**Brahmousin**

**Bravado**

***Indusin***

**Bralers**

**Branor**

**Noble Line**

**Simbrah**

**Simbrangerford**

***Simbrasil***

***Simbrasil-Cariri***

**Gelbray**

**Brah-Swiss**

***Caiuá*** */ Chinelore, Nelchiano*

***Caiuá 1***

***Caiuá 2***

***Caiuá 3***

***Chianel***

***Suiá*** */ Suiá-Missu*

***Piemonel***

**Beefmaker**

***Tropicarne***

***Montana***

***Bos certus***

**Mandalong Special**

**Bucking Stock** / Rodeo bucking stock

**Little Rowdy**

**Sundog**

**Subgroup 16-2C American and Australian zebu and sanga breeds**

***Guzerá* / Guzerat**

***Guzerá mocho*** **/ Polled Guzerat**

***Guzerá leiteiro*****/****Dairy type Guzerat**

***Guzonel***

***Nelore*** **/ Nellore**

***Nelore mocho* / Polled Nellore**

***Nelore vermelho* / Red Nellore**

***Nelore******pintado em preto*** **/ Nellore black pied**

***Nelore******pintado em branco* / Nellore red pied**

***Gir brasileiro*** **/ Brazilian Gir**

***Gir leiteiro*** **/ Dairy Gir**

***Zebú leiteiro de Uberaba*** **/ Brazilian dairy zebu of Uberaba**

***Gir mocho*** **/ Polled Gir**

***Gironel***

***Nelogir***

***Kangayam brasileiro*** */ Kangayan* **/ Brazilian Kangayam**

***Sindi*** **/ Red Sindhi**

**Australian Sahiwal**

***Indubrasil*** */ Induberaba, Indú Brasil* **/ Indo-Brazilian**

***Rojo Indubrasil*** **/ Red Indo-Brazilian**

***Indunel***

***Girindu***

***Bonsai Zebu* / Bonsai Brahman**

***Tabapuã*** */ Zebú Mocho***/ Tabapuan**

***Tabanel***

***Cebú venezolano* / Venezuelan Zebu**

***Brahman Jamaicano* / Jamaica Brahman**

**Brahman** / American Brahman

**Grey Brahman**

**Red Brahman**

**Australian Brahman**

**Miniature Zebu /** Australian **Nadudana** / Mini Zebu

**Bos indicus miniature**

Australian **Africander**

**Ankole-Watusi**

Australian **Tuli**

Australian **Boran**

**Subgroup 16-3A Bovine hybrids**

**Cattalo**

**Beefalo**

**Simmalo**

**American Breed**

**Hybridmaster**

American **yak**

**Yakmac**

***Żubroń***

**3. Register of breed names**

*'bri*, 54

*'Cocktail Général de Gaulle'*, 38

’the Great White Breed’, 76

*Aalstreep*, 26

*abel gorriak*, 38

*Aberdeen*, 18, 73

*Aberdeen Angus colorado*, 18, 73

Aberdeen-Angus, 1, 2, 5, 7, 8, 9, 11, 16, 17, 21, 24

Aberdeenshire, 2, 24

Aberdeenshire Shorthorn, 30

Abergelle, 14, 64

Abgal, 62

Abigar, 14, 15, 64

*Abondance*, 3, 13, 19, 33

*Abori*, 61

*Abrankeji*, 14, 61

*Abruzzese*, 6, 45

Abyssinian Highland Zebu, 62

Abyssinian sanga, 14

Abyssinian Shorthorned Zebu, 14

Acchai, 48

Acchami, 52

ACDC, 72

*Aceh*, 12, 57

Achai, 11, 48

Acheloos, 7, 41

Achham, 11, 52

*Achiote*, 17, 69

*Açoreana*, 43

Adal, 64

Adali, 64

Adamawa, 13, 60

Adamawa Fulani, 60

Adamawa Zebu, 60

Adapteur, 21, 74

*Adar*, 14, 60

Aden, 14, 62

Aden Zebu, 62

adi, 10, 58

Adwa, 14, 62

Afar, 14, 64

Afar Sanga, 64

Afghan, 10, 48

Afghan Subtropical, 10, 49

Africander, 20, 66

Africangus, 20, 75

Africarne, 16, 66

Afrigus, 16, 66

Afrikander, 12, 15, 16, 17, 66

*Afrikaner*, 66

AFS, 73

Aganais, 38

*Aganaise*, 3, 38

Agar, 10, 50

*Agerolese*, 6, 45

*Agersø kvaeg*, 23

Agersoe, 1, 23

*ago*, 55

Agricola, 20, 68

Agrinio dark, 7, 41

Agrinio white ivory, 7, 41

*Agrupación bovina Mostrenca*, 44

*Agrupación Eo*, 6, 42

Agrupacion Mountain, 44

*Agrupaciones-Serrañas*, 6, 44

*ah gohr*, 55

Aho yak, 10, 55

*Aïn-Beïra*, 13, 58

Aischgründ, 4, 34

*Aischgründer*, 34

Aka, 58

*Akage Washu*, 54

Akamba, 63

*Akele-Guzai*, 64

aki, 10

*Akou*, 61

Akshi, 47

Alambadi, 10, 50

Ala-Tau, 9, 12, 53

Alatau, 53

*Alatauskaya*, 53

*Alb*, 4, 35

Albanais, 37

*Albanaise*, 3, 37

Albanian Busha, 41

Albanian Dwarf, 41

Albanian Holstein-Friesian, 7, 28

Albanian Illyrian, 41

Albanian Simmental, 7, 36

*Albera*, 3, 6, 38

*Albera Hêtre*, 3, 38

*Albera Negra*, 6, 38

*Albera Noire*, 3, 38

*Alberas*, 38

*Albères*, 38

*Alberesa*, 38

*Albigeoise*, 3, 37

*Albula*, 39

*Albullah*, 39

Alderney, 2, 31

*Alentejana*, 6, 44

Aleppo, 48

Aleutian Wild, 71

*Algarvia*, 6, 44

AlgerianBrown Atlas, 58

Algerian Guelma, 58

Aliab Dinka, 15, 64

*Alistana*, 6, 43

*Alistana-Sanabresa*, 7, 43

Allgäu, 4, 5, 39

*Allgäuer*, 39

Allmoge, 1, 23

*Allmogeko*, 23

*Allmogekor*, 23

*Almanzoreña*, 6, 44

*Alpenfleckvieh*, 35

*ALPHA 16*, 3, 37

*Alpine Hérens*, 3, 33

Alpine yak, 11, 54

*Alsace*, 34

*Alsacienne*, 30

Alsatian Simmental, 35

Altai, 52

*Altaĭskaya*, 52

Altay, 12, 52

*Alte Deutsche Schwarzbunte*, 26

*Altfränkische Roter Landschlag*, 34

Altmuh valley, 34

Altmuh valley, 4

*Altmühtalvieh*, 34

Alur, 15, 65

*Alvanesa*, 43

Amabowe, 16, 65

Amajanja, 66

*Amasa*, 1, 23

Ama-Xosa, 16, 66

Ambo, 14, 62, 65

American Angus, 73

American Ayrshire, 19, 20, 71

American Beef Friesian, 74

American Beef Shorthorn, 1, 19, 20, 73

American Belgian Blue, 20, 77

American Belgian White Blue, 77

American Belted Galloway, 19, 20, 74

American Black Hereford, 20, 73

AmericanBlonde d’Aquitaine, 20, 76

American Brahman, 9, 12, 14, 15, 16, 17, 18, 19, 20, 21, 79

American Braunvieh, 20, 76

American Breed, 21, 79

American British White Park, 20, 74

American Brown Swiss, 72

AmericanCharolais, 20, 76

American Chianina, 76

American Dutch Belted, 72

American G, 20, 71

American Galloway, 19, 20, 73

American Gelbvieh, 20, 76

American Guernsey, 19, 20, 71

American Hereford, 19, 20, 73

AmericanHerens, 20, 76

American Holstein, 72

American Jersey, 19, 20, 71

American Kerry, 20, 72

AmericanLimousin, 20, 76

American Lineback, 71

American Luing, 19, 20, 74

American Maine-Anjou, 20, 76

American Marchigiana, 20, 77

American Milking Shorthorn, 71

American Normande, 20, 72

American Norwegian Red, 20, 72

American Piedmontese, 20, 77

American Pinzgauer, 20, 76

American Red Poll, 19, 20, 73

AmericanRomagnola, 20, 76

AmericanSalers, 20, 76

American Simmental, 76

American South Devon, 19, 20, 74

American Sussex, 20, 74

AmericanTarentaise, 20, 76

American Wagyu, 20, 77

American Welsh Black, 19, 20, 74

American White Galloway, 20, 74

American yak, 19, 20, 79

Amerifax, 20, 74

Amorgos, 7, 41

Amritmahal, 10, 50

Amsterdam Island, 64

AMZ, 72

*Anadolu Siyah Alacasi*, 47, 48

*Anadolu Yerli Kara*, 46

Anatolian, 47

Anatolian Black, 46

Anatolian Black Pied, 9, 47, 48

Anatolian Brown, 47

Anatolian Grey, 9, 46

Anatolian Native Black, 46

Anatolian Steppe, 46

Ancient Cattle of Wales, 2, 25

Ancient White Park, 19, 20, 74

Andalusian Black, 43

Andalusian Blond, 44

Andalusian Brown, 44

Andalusian Grey, 43

Andalusian Red, 44

*Andaluz*, 69

*Andaluza Rojo convexo*, 44

Andros, 7, 47

Angavin, 37

*Angavine*, 3, 37

Angeln, 2, 7, 8, 9, 21

Angeln (original), 4, 25

Angeln Red, 25

Angeln-German Red, 4

*Angler (alte Zuchtrichtung)*, 25

*Angler Rotvieh*, 25

*Angler-Deutsches Rotvieh*, 25

*Anglès*, 3, 37

Anglesea, 25

Anglesey, 2, 25

*Angola*, 18, 65, 71

Angolan, 15, 65

Angone, 63

Angoni, 16, 17, 63

*Angonia*, 16, 63

Angoumois, 37

*Angoumoise*, 3, 37

Angus, 5

Angus, 3, 4, 6, 7, 8, 9, 10, 11, 12, 14, 15, 17, 18, 19, 20, 21, 73

Angus Doddie, 2, 24

Angus/Brangus Plus, 20, 75

Ankina, 77

Ankole, 15, 64

*Ankolé*, 15, 65

Ankole Longhorn, 64

Ankole-Watusi, 20, 79

Annamese, 57

Ansbach-Triesdorf, 4, 35

*Ansbach-Triesdorfer*, 35

Antakli, 48

*Antioqueño*, 69

Anuak, 64

Anxi, 11, 53

Aosta black pied, 33

Aosta black pied-chestnut, 33

Aosta chestnut, 33

Aosta Red Pied, 33

Appenzel, 5, 39

*Appenzeller*, 39

Apulian Podolian, 45

Aquitaine Blond, 38

Aquitanian, 71

*Aquitânica*, 18, 71

Arab, 9, 47, 60, 62

Arab Choa, 60

Arab Shuwa, 60

Arab Zebu, 60

Arabawi, 59

*Arabe*, 59, 60

*Arabe Choua*, 14, 60

Arabi, 47

Arabian, 47, 59

*Aracena*, 6, 43

Aradó, 14, 64

Arakan, 56

Aral Shuwa, 60

*Aran*, 58

Ardebili, 48

*Ardennaise*, 3, 29, 30

*Ardennaise ou Meusienne*, 4, 30

*Ardennais-Flamande*, 26

*Ardenner landras*, 29

Ardennes landrace, 3, 29

Ardennes-Meuse, 30

Argentine Friesian, 72

Argentine Holstein, 72

Argentine Shorthorn, 18, 73

ArgentinianLincoln Red, 73

Aria, 62

*Ariégéoise*, 38

Armenian landrace, 9, 47

*Armoricaine*, 4, 31

Armorican, 31

*Arouquesa*, 6, 43

Arsi, 14, 62

*Artésienne*, 3, 26

Arunachal yak, 10, 55

Arunachali, 58

Arunachali, 10

Arusi, 62

Arusi-Galla, 14, 64

Arussi, 62

Arvi, 49

Asaorta, 64

*Asaortina*, 64

Asguru, 7, 47

*Asiago*, 33

Askian Meat, 8, 42

Asovian, 46

*Aspe*, 3

*Aspe-Bédous*, 38

Assam local, 10, 52

Asturia Montana, 42

Asturian Double muscled, 42

Asturian Mountain, 42

Asturian Valley, 42

*Asturiana de la Montaña*, 42

*Asturiana de las montañas*, 42

*Asturiana de los Valles*, 6, 42

*Asturiana musculosa*, 6

*Asturiana Occidental*, 42

*Asturiana Oriental*, 42

*Atakora*, 59

*Atigrado de Salamanca*, 6, 43

Atpadi Mahal, 10, 50

*Atsuta Tsuru*, 11, 54

*Attukari Madu*, 10, 51

*Aubrac*, 2, 3, 4, 6, 8, 13, 17, 19, 37

Auburnshire, 20, 74

*Auerox*, 4, 31

*Auge*, 31

*Augeronne*, 3, 4, 31

*Auliatinskaya*, 53

Aulie-Ata, 9, 53

*Auliéatinskaya*, 53

Auliekol, 53

Aulyakol, 9, 53

*Aulyakolski*, 53

*Aulyatinski*, 53

*Aure*, 3, 38

*Aure et Saint Girons*, 38

*Aurochs de Heck*, 31

*Aurochs reconstrué*, 4, 31

*Auroise*, 38

Aussie Black, 21, 73

Aussie Miniature Grey, 21, 74

Aussie Red, 21, 72

Aussie Reds, 72

Australian Africander, 21, 79

Australian Angus, 21, 73

Australian Beef Shorthorn, 21, 73

AustralianBeefmaker, 21, 77

AustralianBoran, 21, 79

Australian Braford, 11, 21, 75

Australian Brahman, 21, 79

Australian Brangus, 21, 75

AustralianCharbray, 21, 77

Australian Commercial Dairy Cow, 21, 72

Australian Dairy, 2

Australian Friesian-Sahiwal, 11, 73

Australian Frieswal, 12, 21, 73

Australian Grey, 21, 74

Australian Hereford, 21, 73

Australian Holstein-Friesian, 21, 72

Australian Illawarra Shorthorn, 71

Australian Lowline, 21, 73

Australian Milking Shorthorn, 21, 71

Australian Milking Zebu, 10, 11, 12, 15, 17, 18, 21, 72

Australian Nadudana, 21, 79

Australian Polled Limousin, 21, 76

Australian Polled Shorthorn, 21, 73

Australian Sahiwal, 21, 79

Australian Shorthorn, 21, 73

AustralianTuli, 79

Australian White, 21, 74

Austrian Black Pied Holstein, 5, 27

Austrian Blond, 34

Austrian Brown, 5, 40

Austrian Brown (Original), 39

Austrian Dairy Simmental, 5, 35

Austrian Fleckvieh, 5, 35

Austrian Original Brown, 5, 39

Austrian Simmental, 35

Austrian Yellow, 5, 34

*Auvergnate*, 3, 37

*Auvergne*, 37

*Avétonou*, 14, 59

Avila Black, 43

Avilena Black Iberian, 43

*Avileña-Negra*, 6, 43

*Avileña-Negra Ibérica*, 7, 43

Awai, 15, 62

Awankari, 49

Aweil Dinka, 15, 64

*Axarqueña*, 44

*Axarquia*, 7, 44

Ayrshire, 1, 2, 3, 5, 7, 8, 9, 10, 11, 12, 13, 15, 17, 18, 19, 21, 23

*Ayrsjierskaja*, 23

Azangus, 9, 49

*Azaouadji*, 60

Azaouak, 13, 14, 60

*Azaoual*, 60

*Azawa*, 60

*Azawagh*, 60

*Azawaje*, 60

*Azbin*, 60

*Azbingaoua*, 60

Azerbaidzhan Zebu, 48

*Azerbaĭdzhanskiĭ Zebu*, 48

Azerbaijan Brown, 9, 47

Azerbaijan Red, 9, 47

Azerbaijan Zebu, 9, 48

Azerbayjan Zebu, 48

*Aznadji*, 60

Azores Fighting cattle, 44

*B*, 26

*B’’lgarska kafyava*, 41

*B"lgarska simentalska*, 36

*Ba Ria*, 13, 57

Baar, 32

*Baarvieh*, 32

Babaev, 8, 40

Bachaur, 10, 11, 49

Baggara, 15, 61

*Baggerbont*, 4, 26

Bagondha, 10, 50

Bahari, 62

*Baharié*, 59

*Bahcivan*, 47

Baherie, 14, 62

Bahima, 15, 64

Bahima Ankole, 15, 64

Bahu, 63

Ba-Ila, 65

Baila, 16, 65

*Bailleuloise*, 3, 26

Bainiu, 11, 56

Bajo, 10, 53

Bakalahari, 65

*Bakhoornig*, 66

Bakosi, 14, 60

*Bakuri*, 60

*Bakweri*, 14, 60

Baladi, 9, 47, 48

Balancer, 21, 77

Bale, 14, 62

Bali cattle, 12, 21, 58

Balinese, 58

*Ballum*, 25

*Băltată cu negru românească*, 28

*Băltată românească*, 36

Bamangwato, 65

*Bambara*, 14, 59

Bambaua, 61

Bambawa, 15, 61

*Bambey*, 14, 59

Bamenda, 14, 60

Bami, 9, 10, 48, 58

*Bamiléké*, 14, 60

*bamo*, 55

Banjar, 50

Banna, 56

Bannai, 50

banteng, 21, 71

Bantu cattle, 15, 65

Banyo, 14, 61

Banyo Gudali, 61

Baol Gobra, 61

*Baoulé*, 13, 14, 59

*Baoulé de Ghana*, 13, 59

*Baouro*, 61

Bapedi, 16, 66

*Barahaja*, 60

Barbee, 20, 74

*Barco-Piedrahita*, 43

*Bardigiana*, 6, 38

*Bare*, 59

Bareback type, 10, 55

Bareback yak, 12, 54

*Baretonne*, 38

*Barétous*, 3, 38

Bargur, 10, 51

Bari, 15, 63

*Baria*, 15, 62, 64

Barka, 14, 61

Barnes, 68

Barnyard Jersey, 71

Barotse, 15, 16, 65

Barous, 38

*Barousse*, 3, 38

*Barqueña*, 43

*Barra*, 33

*Barra do Cuanzo*, 16, 66

Barrosa, 43

*Barrosã*, 6, 43

*Barrosã ananicado*, 43

Barrosao, 43

*Barroso*, 17, 69

Barzona, 20, 76

*Basabehi*, 38

*Bas-Adour*, 3, 38

Basco-Béarnais, 38

*Basco-Béarnaise*, 3, 38

Bashan, 11, 55

Bashi, 15, 65

*Basquaise*, 3, 38

*Basque*, 38

Basque, 38

*Bas-Rhin*, 3, 32

*Bassanese*, 33

*Basta*, 42

Basuto, 16, 66

Batanas Black, 12, 56

Batangas, 12, 57

*Batarde*, 14, 60

Batawana, 16, 65

Batu harak, 51

Baunach, 4, 34

*Baunacher*, 34

Bavarian land cattle, 4, 33

Bavarian Red, 4, 32

Bavarian Simmental, 5, 36

Bavenda, 16, 66

*Bayanzi*, 60

*Bayerisches Landvieh*, 33

*Bayerisches Rotvieh*, 32

Baylis, 20, 68

Bayreuth Spotted, 4, 35

*Bayreuther Fleckvieh*, 35

Bazadais, 37

*Bazadaise*, 2, 3, 4, 37

Bazhou, 11, 54

*Bazougers*, 3, 31

Bazougers Blue, 31

*BBB*, 29

*Beafort*, 37

Béarnais, 38

*Béarnaise*, 3, 38

*Beauceronne*, 3, 31

*Beaufort*, 3

Bechuana, 65

Bedouin, 9, 47, 61

*Bédous*, 3

Bedu, 9, 47

Beef Brown Swiss, 20, 76

Beef Devon, 19, 20, 73

Beef Friesian, 20, 74

Beef Machine, 20, 74

Beef Shorthorn, 2, 11, 21, 30

Beef Simmental, 36

Beef Synthetic, 19, 77

Beefalo, 18, 21, 79

Beefbooster, 21, 77

Beefmaker, 20, 78

Beefmaster, 17, 18, 20, 75

Beevbilde, 2, 30

Begait, 14, 61

Beheri, 48

*behi auzoa*, 38

*behi Betizu*, 38

Beijing Black Pied, 11, 53

*Beiroa*, 6, 43

Beirut, 9, 48

Beja, 14, 15, 64

*Béja*, 13, 59

Belarus Black Pied, 8, 28

Belarus Red, 8, 25

Belarus Synthetic, 8, 42

Belgian Black Pied, 3, 27

Belgian Black Pied-Holstein, 3, 27

Belgian Blue, 19, 21, 29

Belgian Blue-White, 29

Belgian Red, 26

Belgian Red Pied, 3, 27

Belgian Red Pied-Holstein, 3, 27

Belgian White-and-Blue pied, 29

Belgian White-and-Red, 29

Belgian White-Blue, 1, 2, 3, 4, 5, 7, 8, 16, 29

Belgian White-Blue dual-purpose, 3, 29

*Belgisch Roodvee*, 26

*Belgisch Witblauw*, 29

*Belgisch Wit-blauw dubbeldoelras*, 29

*Belgisch Witblauw Ras-Mixte type*, 29

*Belgisch Witrood*, 29

*Belgische Blauwe*, 29

Bellune, 39

*Bellunese*, 6, 39

Belmont Adapteur, 21, 74

Belmont BX, 21, 74

Belmont Red, 21, 75

*Belogolovaya ukrainskaya*, 28

*Belogolovokoloniststkaya*, 28

*Belorusskaya Cherno-pestraya*, 28

*Beloslovensko govedo*, 34

Belted Dutch, 72

Belted Galloway, 2, 4, 18, 21, 24

Belted Irish Jersey, 20, 74

Belted Kingshire, 20, 75

Belted Lessor Jersey, 20, 74

Belted Milking Devon, 20, 75

Belted Swiss Brown, 4, 39

Belted Welsh, 2, 25

Beltie, 24

*Belyĭ sibirskiĭ skot*, 52

Bengali, 10, 51

*Beni Criollo*, 18, 70

*Beni Sliman*, 13, 58

*Beni-Ashene*, 13, 58

Benne Chavadi, 10, 50

*Benzon*, 27

Berbera, 62

Berchtergaden, 4, 33

*Berchtergadener*, 33

*Berciana*, 6, 43, 45

*Bergamasker*, 39

*Bergamo*, 6, 39

*Bergscheck*, 35

*Bergscheckvieh*, 35

*Berguenarde*, 3, 26

*Bermejo*, 69

*Berner Fleckvieh*, 35

*Berner Schecken*, 35

*Berner-Oberländer*, 35

Bernese, 5, 35

Bernese Spotted, 5, 35

Bernese-Hana, 35

Bernese-Oberland, 35

*Bernnouse*, 37

Berno-Hana, 5, 35

*Bernois*, 35

*Bernsko-český*, 35

*Bernskohánacký*, 35

Berrenda Black Pied, 43

Berrenda Black-and-White, 43

*Berrenda en Colorado*, 6, 44

*Berrenda en Negro andaluza*, 6, 43

Berrenda Red Pied, 44

*Berrenda roja andaluza*, 44

Berrendo colorado, 44

Berrendo negro, 43

*Berri*, 37

*Berrichonne-Brennouse*, 3, 37

*Berry-Bourbonnais*, 37

Bessarabian Grey, 7, 46

Bessarabian Red, 7, 26

*Bessarde*, 3, 37

Besse, 37

*Bessin*, 31

*Bessine*, 3, 31

Bestal, 50

Bestuzhev, 8, 30

*Bestuzhevskaya*, 30

*Betisoak*, 6, 38

*Betissoa*, 38

*Betizú*, 3, 38

Betizuak, 38

Bettadapur, 10, 50

Better Idea, 20, 74

*Bettolese*, 38

*Beyrouth*, 48

Bhagalpore, 10, 51

Bhagnari, 11, 49

Bho yak, 10, 55

Bhopal, 50

*bhotea*, 55

*bhotey*, 55

Bhur, 10, 50

Bhutanese, 52

Bhutanese Mithun, 58

*Bialogrzbietka*, 28

*Bianca di Chiana*, 45

*Bianca val padana*, 45

Bibovine, 58

*Bigia Alpina*, 39

*Bigordane*, 38

*Bigorre*, 38

Bileri, 14, 64

Bilhorod, 46

*Bima*, 61

*Bimaji*, 61

Bimal, 15, 62

*Binda*, 33

Binga, 16, 65

Binjharpuri, 10, 49

*Bionda Tortonese*, 6, 38

*Birkenfelder*, 34

Bishopric, 4, 33

*Biskra*, 13, 59

Bisonian type, 10, 55

Bisre, 47

*Bistumer*, 33

Biu, 14, 60

*Bizerta*, 59

*Blaarkop*, 26

Black Africander, 66

Black Alberes, 38

Black Angus, 24, 73

Black Baldie, 21, 73

Black Beevbilde, 2, 30

Black Berrendo, 43

Black Canadian, 71

Black Carpetana, 43

Black Cattle, 24

Black Charolais, 20, 76

Black Chianina, 20, 76

Black Etolokarnania, 7, 42

Black Gelbvieh, 20, 76

Black Hereford, 2, 30

Black Highland Zebu, 62

Black Hill Zebu, 52

Black Iberian, 43

Black Jersey, 71

Black Lemming, 7, 28

Black Limousin, 20, 76

Black Maine-Anjou, 20, 76

Black Maximizer, 20, 77

Black Miniature Whiteface, 74

Black Pied Breton, 31

Black Pied Danish Dairy 1949, 1, 27

Black Pied Danish Dairy 1965, 1, 27

Black Pied Dutch-Friesian, 4, 26

Black Pied Holsteiner, 4, 27

Black Pied Jutland Dairy, 1, 27

Black Pied Podolian, 28

Black Pied Valdostana, 33

Black Pinzgau, 34

Black Pisa milch cow, 45

Black Salers, 20, 76

Black Sea, 46

Black Simmental, 20, 76

Black Spotted Jutland Milk, 27

Black Trondheim, 22

Black Welsh, 25

Black-and-White Holland, 26

Black-and-White Jutland Milk, 27

Black-and-White Swedish, 27

Black-eared White, 69

Black-Polled Chianina, 20, 76

Black-Polled Gelbvieh, 20, 76

Black-Polled Limousin, 20, 76

Black-Polled Salers, 20, 76

Black-Polled Simmental, 20, 76

Blacksided Trondheim, 1, 22

Blacksided Trondheim and Nordland, 1, 22

*Blanc Bleue Belge*, 4, 29

*Blanc Bleue mixte*, 30

*Blanc Bleue rameau viandeux*, 29

*Blanca Cacereña*, 6, 44

*Blanca del Pallars*, 38

*Blanca guadiana*, 44

*Blanc-bleu Belge*, 29

*Blanc-bleu Belge-type Mixte*, 29

*Blanco Orejimono*, 19, 69

*Blanco Orejinegro*, 19, 69

*Blanc-rouge de Belgique*, 29

*Blanc-rouge de la Flandre Orientale*, 29

Blanket cattle, 25

*Blateran Java*, 12, 57

*Blateran rambon*, 58

Blended Red-and-White Shorthorn, 2, 30

Blended Shorthorn, 30

*Bleue de Bavai*, 30

*Bleue de Bazougers*, 31

*Bleue de Mons*, 29

*Bleue de Tirlemont*, 29

*Bleue du Hainaut*, 29, 30

*Bleue du Limon*, 3, 29

*Bleue du Nord (rameau mixte)*, 4, 30

*Bligon Java*, 57

*Bligon Madura*, 57

Blond Extremadura, 44

Blond Moroccan, 58

Blond Tortona, 38

*Blond Zaërs*, 13, 58

*Blonde d'Aquitaine*, 1, 2, 3, 4, 5, 6, 7, 8, 11, 18, 19, 21, 38

*Blonde d’Oulmès et des Zaërs*, 13, 58

*Blonde des plateaux d'Oulmès et des Zaërs*, 58

*Blonde des Pyrénées*, 3, 38

*Blonde-du Cap Bon*, 13, 59

Blue Albion, 2, 30

Blue Belgian, 29

*blue cavallo*, 45

Blue English, 30

Blue Grey, 3, 30

blue horse, 45

*blue indigeno bianco*, 45

Blue Macedonian, 41

Blue Nile, 61

Bluegrass, 2, 24

blue-violet-white, 45

Blukwa, 65

*Blümen*, 39

*Bo Chau-Doc*, 57

*Bo U dau Riu*, 57

*Bo Vang*, 57

*Bobori*, 13, 60

*Boccarda*, 33

*Bociblanca*, 7, 43

*Bodadi*, 61

*Boenca*, 13, 59

*bœuf de Cameman*, 37

*bœuf de Verfeil*, 37

*Bogoro-Fulani*, 61

Bohai Black, 11, 55

Bohemian Red, 32

Bohemian Red Pied, 35

Bohemian Simmental, 35

Bohemian Spotted, 35

Bohemian Wood, 5, 32

Bohemian-Berne, 5, 35

Bohinj Cika, 8, 33

*Bohinjska Cika*, 33

*Böhmerwald Vieh*, 32

Bohus Polled, 1, 22

*Bohuskulla*, 22

*Bokoloji*, 60

*Boksán*, 46

*Bolian Gwynion*, 25

Bolivian Altiplano Criollo, 70

*Bolognese*, 6, 45

Bolowana, 16, 66

*BOM*, 69

Bombel, 62

*BON*, 69

Bonsai Brahman, 79

*Bonsai Zebu*, 17, 79

Bonsmara, 15, 16, 66

*Bonyhádi*, 5, 36

Bonyhádi-Simmental Landrace, 5, 36

*Bor Khalium*, 53

*Boradji*, 61

Boran, 13, 15, 17, 62

Boran x Holstein, 15, 62

Boran Zebu, 14, 15

Borana, 62

Bordelais, 31

Bordelais (new type), 31

*Bordelaise*, 3, 31

*Bordelaise (nouvelle)*, 4, 31

*Borgawa*, 60

*Borgou*, 13, 60

*Borgou-zébu*, 13, 60

*Borgowa*, 60

*Borgu*, 60

Borgu zebu, 60

Borguni, 16, 66

Borneo Zebu, 12, 57

*Bororo*, 61

*Bororo Blanc*, 61

*Bororodji*, 61

*Borrié*, 59

*Bos (Bibos) frontalis*, 58

*Bos (Bibos) javanicus*, 58

*Bos (Poëphagus) grunniens*, 54

*Bos certus*, 18, 78

*Bos frontalis*, 58

*Bos grunniens*, 54

Bos indicus miniature, 20, 79

*Bos javanicus javanicus*, 58

Boscarin, 45

Boskarin, 7, 45

*Boškarin*, 45

Botswana beef synthetic, 66

*Boucquemon*, 3, 35

*Boudouma*, 59

*Bouefs de Bône*, 58

*Boulonnaise*, 3, 26

Bourbon, 36

*Bourbonnaise*, 3, 36

*Bouretts*, 37

*Bourguignonne*, 30

*Bournaisienne*, 3, 26

Bovelder, 16, 66

*Bovian*, 4, 36

*Bovines da Tete*, 16, 66

Bovines of Tete, 66

*Boyenca*, 59

*Boz Irk*, 46

*Boz Step*, 46

Brachyceros, 41

*Brachykeratiki*, 41

Brae-Glen, 2, 24

Braford, 12, 13, 18, 20, 21, 75

*Braford brasileiro*, 18, 75

*Bragado do Sorroia*, 6, 44

*Bragança*, 43

*Braganseça*, 6, 43

*Brahaza*, 14, 61

Brah-Maine, 20, 78

Brahman, 13, 14, 16, 18, 79

*Brahman Jamaicano*, 17, 79

Brahmanstein, 21, 72

Brahmousin, 20, 78

Brahorn, 21, 75

Brah-Swiss, 20, 78

Brakmas, 12, 57

Bralers, 20, 78

Bramalow, 21, 75

Bramstedt, 4, 29

*Bramstedter*, 29

*Brandrode Rund*, 29

*Brandrood*, 29

*Brandrood IJsselvee*, 29

*Branes*, 13, 58

Brangus, 17, 18, 20, 75

*Brangus-Ibagé*, 18, 75

Branntager, 4, 32

*Branor*, 18, 20, 78

*Braquikersti*, 41

*Braun Helmeten*, 34

Braunvieh, 19, 40

*Braunvieh alter Zuchtrichtung*, 39

*Brava*, 68

*Brava de Lide*, 6, 44

*Brava dos Açores*, 6, 44

Bravado, 20, 78

Bravon, 18, 20, 75

*Brayonne*, 3, 31

Brazilian dairy hybrid, 73

Brazilian dairy zebu of Uberaba, 78

Brazilian Friesian, 72

Brazilian Gir, 78

Brazilian Kangayam, 79

Brazilian milking crossbred, 73

Brazilian Polled, 70

bred-back aurochs, 32

*bree*, 54

Bregenz Grey-yellow Wood, 5, 39

Breitenburg, 4, 29

*Breitenburger*, 29

*Brenne*, 37

Brenner, 5, 39

*Bressane*, 3, 35

*Bresse*, 3, 35

Breton Black Pied, 31

Breton Red and Red Pied, 31

*Bretonne*, 31

*Bretonne de Saint Brieux*, 3, 31

*Bretonne du Nord*, 31

*Bretonne froment*, 31

*Bretonne Pie Noir*, 3, 31

*Bretonne Rouge et Pie Rouge*, 3, 31

*Brette*, 31

*Brijenzer*, 39

*brimdzo*, 55

*bri-mo*, 54

*brimo*, 54

*brimo dzhopo*, 55

*Brina*, 6, 45

*Brina di Val di Rendena*, 39

British Belgian Blue, 29

British Black Limousin, 2, 21, 37

British Blonde, 2

British Blue, 2, 3, 29

British Charolais, 2

British Dane, 25

British Friesian, 2, 26

British Holstein, 2, 27

British Limousin, 2

British Polled Hereford, 2, 30

British Simmental, 2

British White, 2, 24

Brittany Black-and-White, 31

Brixental, 5, 33

*Brixentaler*, 33

Broadlands, 30

Broadus, 20, 68

Brown Alberes, 38

Brown Atlas, 58

Brown Finnish,, 22

Brown Helmet, 5, 34

Brown Swiss, 1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 19, 20, 21, 72

Brown Swiss dual-purpose, 67

Brownsind, 10, 49

*Brugeron*, 37

*Bruna*, 41

*Bruna Alpina*, 6, 40

*Bruna de los Pirineos*, 6, 40

*Bruna dels Pyrineus*, 40

*Bruna Italiana*, 40

*Bruna Maramureş*, 41

*Bruna Svizzera*, 40

*Brune*, 4, 40

*Brune de Guingamp*, 3, 31

*Brune de l’Atlas*, 13, 58

*Brune des Alpes*, 40

*Brune Suisse*, 40

*Bruno Italiana Vecchio Ceppo*, 6, 40

*Bruno Sarda*, 40

Bryansk Forest, 8, 40

Bryansk Woodland, 40

Bryansker Forest, 40

Bryenz, 5, 39

Buchan Humlie, 2, 24

Bucking Stock, 20, 78

Bucsan, 8, 46

*Bucsán*, 46

*Buçsanešcu*, 46

*Budejovice*, 32

*Budějovický*, 32

Buduma, 59

Budweiser, 5, 32

*Budweizer*, 32

BueLingo, 20, 74

Buje, 45

Bukedi, 63

Bukowina Mountain, 2, 5, 40

*Buksana*, 46

*Bukschaner*, 46

Bulgarian Black Pied Holstein, 7, 28

Bulgarian Brown, 7, 41

Bulgarian Grey, 46

Bulgarian Red, 7, 26

Bulgarian Red Sadovo, 26

Bulgarian Simmental, 7, 36

Bulgarian Steppe, 46

*Bulgarska kafyava*, 41

*Bunaji*, 61

*Bündner*, 39

*Bündner Bergschlag*, 39

Bündner Mountain, 5, 39

*Bunte Ostfries*, 27

*Buraya Karpatskaya*, 41

*Buraya latviĭskaya*, 25

*Burgundische rasse*, 35

Burienshire, 20, 75

*Burlina*, 6, 33

Burmese, 12, 56

Burmese Racing, 12, 56

Burnt red, 4, 29

*Burraca*, 43

Burundi sanga, 65

Burwash, 19, 77

Buryat, 12, 52

*Buša*, 41

*Busák*, 46

Bushuev, 10, 49

*Bushuevskaya*, 49

*Busoni*, 15, 65

Butana, 14, 15, 61

Buttler, 20, 68

BWRS, 30

Byelagolova, 9, 53

Byelorussian Black Pied, 28

Byelorussian Red, 25

*Cabannina*, 6, 38

*Cabellota*, 6, 38

*Cabreira*, 43

*Cachena*, 4, 6, 43

Cadzow, 2, 24

*Caille-Blond*, 4, 31

*Caiuá*, 18, 78

*Caiuá 1*, 18, 78

*Caiuá 2*, 18, 78

*Caiuá 3*, 18, 78

Calabrian, 45

*Calasparreña*, 6, 44

*Caldeano*, 18, 70

*Caldelá*, 6, 43

*Caldelana*, 43

Caldelas, 43

Californian cattle, 20, 68

*Calvana*, 6, 45

*Camandona*, 6, 44

*Camarguaise*, 42

*Camargue*, 42

*Cambodgien*, 56

Cambodian, 12, 56

Cameroon Fulani, 60

Campagna, 45

Campanian, 45

*Campanina*, 6

Campbell Island, 21, 71

Campine land cattle, 3, 29

Campine Red Pied, 3, 29

*Campinoise*, 29

*Campo*, 6, 43

*Campó*, 42

Campurrian, 42

*Campurriana*, 6, 42

Canadian, 71

Canadian Holstein, 19, 72

*Canadienne*, 4, 19, 31, 71

*Canaria*, 6, 42

Canary Island, 42

*Canavese*, 6, 44

*Canchim*, 18, 78

*Canchim mocho*, 18, 78

*Cao Bang*, 13, 57

Caoyuan Red, 11, 53

Cape, 52

Cape Bon Blond, 59

*Capirote*, 44

Cappa harak, 52

Caprivi sanga, 16, 65

*Caqueteño*, 19, 70

Caracu, 70

*Caracú*, 18, 70

*Caracú variedade mocho*, 70

*Carazebú*, 18, 71

*Cárdena andaluza*, 6, 43

Carezebu, 71

*Carhaisienne*, 3, 31

Carhaix Red Pied, 31

Caribbean Criollo, 69

*Caribe*, 17, 72

Carinthian Blazed, 5, 34

Carinthian Blond, 5, 34

*Carmagnola*, 6, 44

*Carnia*, 6, 39

*Carniella*, 6, 35

Carolais, 38

*Carolaise*, 3, 37, 38

*Carolaise-Gasconne*, 38

Carora, 70

*Caroreña*, 19, 70

Carpathian Mountain, 5, 41

*Carpetana*, 43

Carpi hill, 45

*Carpigiana*, 6, 45

*Carramelha*, 43

*Carramilhnina*, 43

*Carreiro*, 43

Carrena, 42

*Carreñana*, 42

Carrick, 23

Carter, 20, 68

*Casanare*, 69

*Casanareño*, 19, 69

Cash, 20, 77

*Casina*, 42

*Cassel*, 3, 26

*Casseloise*, 3, 26

*Cassels ras*, 26

*Casta*, 3, 38

*Casta Arann*, 44

*Casta Cabrera*, 6, 43

*Casta Carriquirris*, 6, 43

*Casta Castellana*, 6, 43

*Casta de la Tierra*, 6, 43

*Casta de los Gallardo*, 6, 43

*Casta Domec*, 6, 44

*Casta Espinosa y Zapata*, 6, 43

*Casta Jijona*, 6, 43

*Casta Miura*, 6, 44

*Casta Pablo Romero*, 6, 44

*Casta Ramirez*, 6, 44

*Casta Urguino*, 6, 44

*Casta Vazquez*, 6, 44

*Casta Vega-Villar*, 6, 44

*Casta Veragua*, 6, 44

*Casta Vistahermosa*, 6, 44

*Castagne*, 38

*Castaña concavo*, 42

*Castaño ultraconvexo*, 44

*Casteado*, 18, 71

*Castellana*, 43

*Castellano Axarqueño*, 44

Castilian, 43

*Castiliana*, 6, 43

*Castillon*, 38

*Castillonnaise*, 38

Castle Martin, 25

Castlemartin, 2, 25

*Castro Caldelas*, 43

Cattalo, 20, 79

Caucasian, 46, 47

Caucasian Brown, 9, 47

Caucasian Zebu, 48

Caucasus Brown, 47

*Cauchoise*, 3, 31

*cãuri*, 55

*Causse*, 3, 37

Cauvery, 50

*Caux*, 31

CAX, 77

*CCC*, 69

*Cebú Cubano*, 17, 69

*Cebú venezolano*, 19, 79

*Cecinese*, 45

*Ceney*, 29

Central American Dairy Criollo, 69

Central and Upper Belgian, 3, 29

Central Asian Zebu, 10, 48

Central Kirgiz, 9, 52

Central Pyrenean, 38

Central Russian Black Pied, 8, 28

*Cenubî Anadolu Sari Kirmizisi*, 47

*Cerdagne*, 38

*České červeny*, 32

*České červienký*, 32

*České Holstynský*, 27

*Českestrakate*, 35

*Československý červenostrakatý*, 36

*Český červenostrakatý*, 35

*Českyles dobytok*, 32

*Cévennes*, 3, 37

CF, 77

Ch'inch'uan, 55

*Chablaisienne*, 33

*Chaco Criollo*, 18, 70

*Chacuba*, 17, 77

Chad, 59

Chagga, 15, 63

Chaissi, 47

Chakhansurri, 48

*Chalkidikhi*, 46

Chamau, 4, 32

*Chamauer*, 32

*Chamoniarde*, 33

*Champenoise, Lorraine*, 30

*Chamusco*, 6, 44

Changning, 11

Changzhu, 55

*Chaouia*, 13, 58

*Chaqueño*, 18, 19, 70

*Char Tarlan*, 53

*Charb*, 58

Charbray, 17, 18, 19, 20, 77

*Charentaise*, 37

Charford, 20, 78

Chargrey, 21, 77

*Charlolés*, 17

*Charnequeira*, 44

*Charnequeiro do sul do Tejo*, 43

Charoke, 12, 57

Charolais, 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 19, 21, 36

*Charolaise*, 3, 36

*Charolaise améliorée dans la Nièvre*, 36

*Charolais-Nivernais*, 36

*Charolais-pure*, 36

*Charolés*, 17, 18, 19, 76

*Charolês*, 18, 76

*Charolês mocho*, 18, 76

*Charollais*, 36

*Charollandais*, 4, 36

*Charonel*, 18, 78

Charsar, 21, 75

Char-Swiss, 20, 77

Chartley, 2, 24

Charwiss, 21, 77

Chaubauk, 12, 57

*chauri*, 55

Cheb, 5, 32

*Chebské červienký*, 32

*Chebský červienký dobytok*, 32

Cheju, 12, 54

*Cheju Hanwoo*, 54

*Chéliff*, 13, 58

Cherkassy, 8, 46

Chernigov, 8, 42

*Chernigovskiĭ tip*, 42

*Chernopestraya*, 28

*Chernopestraya litovskaya*, 28

*Chernopestraya podol'skaya*, 28

*Chernopestryĭ skot Siberi*, 53

*Chervena sadovska*, 26

Chesi, 9, 47

*Cheurfa*, 13, 59

Chi crosses, 77

*Chianel*, 18, 78

Chiangus, 20, 77

*Chianina*, 2, 4, 5, 6, 8, 16, 18, 19, 20, 21, 45

*Chianino-Maremmana*, 45

Chickso, 12, 54

Chiford, 20, 77

Chilean Criollo, 70

Chilean Holstein-Friesian, 72

Chillingham, 2, 24

Chimaine, 20, 77

*China*, 18, 71

*Chinampo*, 17, 68

Chinchwan, 55

*Chinelore*, 78

Chinese Black Pied, 53

Chinese Black-and-White, 11, 53

Chinese Holstein, 53

Chinese Red Steppe, 53

*Chino*, 17, 69

*Chino Santandereano*, 19, 69

Chipata-Katete, 16, 63

Chirikof Island, 20, 71

Chishona, 66

Chitaldoorg, 50

Chitaldrug, 10, 50

Chiya, 11, 55

Cholistani, 11, 49

*cholung*, 55

*Chosen*, 54

Chou-pei, 56

Chowpei, 56

*chowri*, 55

*churi*, 55

*Chusco*, 70

Chuwash-Mari, 8, 33

Çifteler Brown, 47

Cika, 8, 33

*Cikasto govedo*, 33

*Çildir*, 9, 46

*Cimeres Ökrök*, 45

*Cinisara*, 6, 45

Cleve, 4, 29

*Clevisches Vieh*, 29

CM, 77

Coastal Criollo, 70

Coastal Horned, 69

Coastal land cattle, 1, 23

Coastal Polled, 69

Coastal Zebu, 15, 63

Cobourg Peninsula, 58, 71

*Collina delle Marche*, 6, 45

*Colônia*, 19, 71

*Colorada extremeña*, 6, 44

Colorsided, 20, 71

Coloured Welsh, 25

Coloursided Trondheim and Nordland, 22

*Colubarska*, 46

Columbian, 20, 71

Common Piedmont, 44

Common type, 10, 55

Common yak, 12, 54

Comtois, 34

*Comtoise*, 3, 34

Condroz, 3, 29

Conway, 20, 68

*COOPELSO 93*, 3, 36

Corfu, 7, 41

*Cornígero de la costa*, 69

*Cornigliese*, 6, 38

*Corniglio*, 38

*Cornouailles*, 3, 31

Correi, 62

Corriente, 20, 68

*Corse*, 3, 42

*Córsega*, 42

Corsican, 42

Corsican crossbred, 4, 42

*Costa Criollo*, 19, 70

Costa Rica Criollo, 69

*Costeno*, 70

*Costeño con Cuernos*, 19, 69

*Cotentin*, 31

*Cotentine*, 3, 31

*Cotentin-Schwitz*, 31

Covingtonshire, 20, 75

*Créole*, 17, 18, 19, 69, 70

*Créole de Guadeloupe*, 17, 69

*Créole de la Martinique*, 17, 69

*Créole de Maurice*, 16, 64

*Creole Jamaicano*, 17, 69

*Créon*, 38

Cretan lowland, 7, 41

Cretan mountain, 7, 41

Crimean, 8, 25

Crimean Red, 8, 25

*Crimousin*, 17, 69

*Criolla*, 42

*Criollo*, 17, 18, 19, 69, 71

*Criollo altiplanico*, 18, 70

*Criollo argentino patagónico*, 18, 71

*Criollo chileno*, 18, 70

*Criollo cubano*, 17, 69

*Criollo de Cuba*, 69

*Criollo de El Oro*, 19, 70

*Criollo de Esmeraldas*, 19, 70

*Criollo de las Hoyas*, 19, 70

*Criollo de Trinidad*, 18, 69

*Criollo del Páramo*, 19, 70

*Criollo equatoriano*, 19, 70

*Criollo Lechero*, 69

*Criollo Lechero*, 17

*Criollo lechero Limonero*, 19, 69

*Criollo lechero tropical*, 17, 69

*Criollo lechero Venezuelano*, 69

*Criollo lechoro*, 69

*Criollo mexicano*, 17, 68

Criollo of the Altiplano, 70

*Criollo peruano*, 19, 70

*Criollo Yacumeño*, 70

*Crioulo do Santa Catarina*, 70

*Crioulo Lageano*, 18, 70

*Crioulo leiteiro de Irecé*, 18, 70

*Crioulo Mocho Pereira Camargo*, 18, 70

*Crioulo nordestino*, 70

*Cristiana*, 44

*Crno-belo*, 28

*Crno-šaro*, 40

Croatian Black Pied, 7, 28

Croatian Brown, 7, 40

Croatian Busha, 7, 40

Croatian Pied, 36

Croatian Pinzgau, 7, 33

Croatian Red, 7, 40

Croatian Simmental, 7, 36

Croatian Steppe, 46

Cross Breed Beef, 2

Cross Breed Dairy, 2

*Crotone*, 45

*Crotonese*, 45

*Crvena methosijska*, 41

Cuban, 46

Cuban Criollo, 69

Cuban Red, 8

Cuban Zebu, 8, 69

*Cubante*, 45

*Cuiabano*, 70

*Çukurova*, 9, 47

*Culard INRA*, 36

*Culona*, 42

Cumberland White, 30

*Cuneo*, 44

Cunningham, 23

Cuprem Hybrid, 20, 77

Cup-Shape-Horn, 16, 66

*Curraleiro*, 18, 70

Cutchi, 10, 11, 50

Cyprus, 7, 47

*Czarno-biała odmiana hf*, 27

Czech Black Pied, 5, 27

Czech Fleckvieh, 5, 35

Czech Holstein, 5, 27

Czech Mountain Spotted, 35

Czech Pied, 35

Czech Pied Dairy, 5, 36

Czech Red, 5, 32

Czech Red Pied, 5, 35

Czech Red Spotted, 35

Czech Red-and-White, 35

Czech Simmental, 35

Czech Spotted, 35

Czechoslovak Red-and-White, 36

Czechoslovakian Red Pied, 5, 36

Czechoslovakian Red-and-White, 36

*Czerkesz*, 46

*Da Duon Cymru*, 25

Dabie Mountain, 11, 56

Dabieshan, 11, 56

Dacca-Faridpur, 10, 51

Dachau Moor, 4, 40

*Dachau Moos*, 40

*Dagana*, 14, 61

Dagestan, 46

Dagestan Brown, 9, 47

Dagestan Mountain, 9, 47

*Dagestanskiĭ gorniĭ*, 47

Dahomey, 4, 5, 14, 60

Dairy Gir, 78

Dairy Hungarian Brown, 5, 36

Dairy Hungarian Pied, 5, 36

Dairy Indo European, 73

Dairy Maine-Anjou, 31

Dairy Shorthorn, 2, 7, 11, 16, 21, 30

Dairy Synthetic, 19, 72

Dairy type Guzerat, 78

Dairy-beef synthetic, 72

Dajjal, 11, 49

Dakha-Faridpur, 51

*Dalergaoua*, 60

Dales Shorthorn, 30

Dali, 11, 56

*Dalleye*, 60

Dalmatian Grey, 7, 41

Damara, 16, 65

Damara-Herero, 16, 65

*Damascene*, 48

Damascus, 9, 48

Damascus-type, 47

*Damerghou*, 60

Damietta, 13, 48

Danakil, 14, 64

Dancalian, 64

Dangi, 10, 49

Danish Black-and-White Milk, 27

Danish Forest, 1, 31

Danish Holstein, 1, 27

Danish Island, 23

Danish Jersey, 1, 5, 8, 31

Danish Red, 2, 7, 8, 9, 10, 12, 16, 18, 19, 21

Danish Red (old type), 25

Danish Red Dairy, 1, 25

Danish Red Pied, 1, 29

Danish Red-and-White Shorthorn, 1, 30

Danish Shorthorn, 1, 30

*Dansk Holstein*, 27

*Dansk Jerseyavlen*, 31

*Dansk Korthorn*, 30

*Dansk Rødbroget Korthorn*, 30

*Dansk Rødbroget Kvæg*, 29

Danube Fleckvieh, 5, 35

Danube miniature, 8, 46

Danube Spotted, 35

Danyang, 55

*Danziger Niederungsschlag*, 28

*Danziger-Bucht Vieh*, 28

*Dar el Reih*, 61

Darbalara, 21, 71

Dark Andalusian, 44

Dashanqian, 11

*Dashevostochniĭ Simmentalskaya*, 53

Dashtiari, 9, 48

*data*, 52

datsa, 10

datum, 10, 52

Dauphin, 35

*Dauphinoise*, 3, 35

Davos Mountain, 39

*Davoser Bergvieh*, 39

Dawara, 62

*de la Tierrra*, 42

*Debu*, 75

Deccan, 10, 50

Dedeaux, 20, 68

Deep Red, 29

Dehong, 11, 56

Delami, 61

Dello, 62

*Demnat*, 13, 58

*Demonte*, 6, 44

*Dender*, 29

Dengchuan, 11, 56

Deogir, 10, 49

Deoni, 10, 49

Derbyshire Blue, 30

Dervenhoria, 7, 41

Desan, 49

desi, 10

*Deutsche Angus*, 24

*Deutsche Rotbunte DN*, 29

*Deutsche Schwarzbunte alte Zuchtrichtung*, 26

*Deutsches Braunvieh*, 40

*Deutsches Fleckvieh*, 35

*Deutsches Gelbvieh*, 34

*Deutsches Schwarzbuntes Niederungsrind*, 26

*Deutsches Schwarzbuntes Rind*, 26

*Deutsches Shorthorn*, 30

*Deutsches-Angus-Fleischrind*, 24

Deverakota, 10, 50

Devni, 10, 50

Devon, 2, 9, 11, 15, 16, 17, 18, 21, 30

Dewsland, 2, 25

Dexter, 1, 2, 3, 4, 5, 6, 21, 24

Dexter-Kerry, 16, 67

Dhanni, 11, 49

Dhaurahra, 10, 50

*dhee*, 54

*dhimjo*, 55

Dhufar Zebu, 61

Diali, 13, 14, 60

Diamond, 20, 68

Didinga, 15, 63

*Dikgomo tsa Borwa*, 66

Dikin Yellow, 53

*dimdzo*, 55

*dimjo*, 55

*dimschu*, 55

Dimyatti, 48

*Dinemarquês*, 18, 72

Diqin, 11, 53

Dirbani, 48

Dishley Breed, 30

Dishti, 9, 48

*Dithmarscher*, 29

Ditmarsh, 4, 29

*Diyarbakir*, 9, 46

*Djafoon*, 61

*Djakoré*, 14, 59

Djebli, 47

*Djeli*, 60

*Djelli*, 60

*Djerba*, 13, 59

Djoloff Gobra, 61

Dnieper, 8, 42

*Doayo*, 14, 60

Dobe, 62

Dobrogea Red, 8, 26

Dobrudja, 8, 46

*Dobrugeana*, 46

Dobrugia, 46

Dobruja Red, 26

doeb, 10, 52

doebum, 10, 52

Doela, 1, 23

doethra, 10, 52

doethram, 10, 52

Dofar Zebu, 61

*Doğu Anadolu Kirmizi*, 46

*Doğu Anadolu Kirmizisi*, 46

Dohin, 14, 61

Döle, 23

*Dølefe*, 23

*Dolinowa*, 2, 25

*Domače šareno goveče*, 36

*Domarac*, 40

*Dombes*, 3, 35

Domiatta, 48

Domiatti, 48

Dominican Criollo, 69

Dominican Dairy Criollo, 69

*Domshinskaya*, 28

Domyati, 48

Don, 8, 52

*Doñana*, 44

*Donau Fleckvieh*, 35

Donegal Reds, 3, 24

Donetsk, 8, 25

Dongari, 49

Dongarpati, 49

Dongola, 15, 61

*Dongolé*, 59

Dongri, 49

*Donkhala*, 58

Donnersberg Red, 4, 25

*Donnersberger Rotvieh*, 25

*Doppelnutzung Rotbunt*, 29

*Doran*, 17, 69

*Dorna*, 8, 34

*Dörtyol*, 9, 47

Double Standard Polled Hereford, 73

Double Standard Polled Shorthorn, 73

*DP-BBB*, 29

Drakensberger, 16, 66

*Drautal*, 6

*dri*, 54

*dridzo*, 55

Drimmon, 3, 24

*DRK*, 29

Droughtmaster, 11, 12, 13, 14, 18, 21, 75

Dschau-bei, 56

Dual-Purpose Belgian Blue, 29

*Dukagjini Buša*, 41

Dukagjini Busha, 7, 8, 41

Dulong, 11, 58

Dumiati, 48

Dumyati, 48

Dun Galloway, 2, 24

Dunlop, 23

Durama, 15, 63

*Durcet*, 3, 31

Durham, 2, 4, 30, 31

*Durham-Bretonne*, 3, 31

*Durham-Manceau*, 31

*Durham-Mancelle*, 3, 31

Durtal, 5, 33

*Durtaler*, 33

Dutch Argentine, 72

Dutch Belted, 3, 19, 20, 21, 26, 72

Dutch Black Pied H, 4, 27

Dutch Black Pied Holstein, 27

Dutch Friesian, 8

Dutch Holstein, 27

Dutch Holstein-Friesian, 27

Dutch Red Holstein, 27

Dutch Red Pied DP, 27

Dutch Red Pied H, 4, 27

Dutch Red Pied Holstein, 27

Dutch Red-and-White, 29

Dutch Shorthorn, 21, 72

Dutch Whiteback, 26

Dutch-Friesian, 7, 9, 10, 11, 12, 19

Dutch-Friesian Black Pied, 26

*Dutrône*, 31

*Duxer*, 33

Dwarf cow, 51

Dwarf Muturu, 14, 60

Dwarf Shorthorn, 13

Dwarf Zebu, 4

Dwina, 28

Dynevor, 2, 24

*dzobo*, 55

*dzopkhyo*, 55

Earsham Polled, 2, 24

East African Shorthorn Zebu, 62

East African zebu, 61

East Anatolian Red, 9, 46

East Finnish, 22

East Flemish White-and-Red, 3, 29

East Friesian, 4, 26

East German Black Pied, 4, 27

EastMacedonian, 41

East Prussian Black Pied, 2, 28

East Siberian, 52

East Styrian Fleckvieh, 5, 35

East Styrian Spotted, 35

Eastern Anatolian Red, 46

Eastern Finncattle, 1, 22

Eastern North Somali Zebu, 15, 62

Eastern Nuer, 15, 64

Eastern Province Zebu, 63

Eastern Red, 46

Eastern Red Pied, 27

Eastern Red Polled, 22

Eastern Red-pied-Ardennes, 3, 29

Eastern Taurine, 60

Eastland, 22

Ebian Spotted, 11, 56

*Ecolander*, 4, 32

Ecuador Sierra Criollo, 70

Edelweiss Simmental, 6

Edelweiss-Simmental, 35

*Edelweiss-Simmentaler*, 35

*Eesti Holstein*, 27

*Eesti Maakari*, 22

*Eesti Maatóug*, 22

*Eesti muatõug*, 28

*Eesti mustakirju*, 28

*Eesti Punane Kai*, 25

Egerländ, 32

*Egerländer*, 32

Egyptian, 13

Egyptian Baladi, 13

Egyptian Baladi, 48

Eiderstedt, 4, 29

*Eiderstedter*, 29

*Eiderstedter Shorthorn*, 30

*Eifel*, 3, 30

*Einfarbige Rotbraune Ostfries*, 25

*El Descornado Rojo Jamaicano*, 73

El Monterey, 20, 69

El Oro Criollo, 70

*Elb-und Willstermarch*, 29

*Eleskirt*, 9, 46

Ellingen-Weissenburg, 4, 34

*Elling-Weissenburger*, 34

Enderby Island, 21, 71

English Longhorn, 30

English Park, 24

Ennstal Spotted Mountain, 5, 33

*Ennstaler Bergschecken*, 33

Enshi, 11, 56

*Entre-Deux-Mers*, 38

Enyambu, 15

Eo, 42

Epiros, 7, 41

*EPK*, 25

Equador Criollo, 70

*Eringer*, 33

Erlitou, 11

*Eskişehir*, 47

Eskisehir Brown, 9, 47

Esmeraldes Criollo, 70

*Espagnole Brava*, 44

Estonian Black Pied, 2, 28

Estonian Black Spotted, 28

Estonian Brown, 25

Estonian Dutch-Friesian, 28

Estonian Holstein, 2, 27

Estonian land cattle, 1, 22

Estonian Native, 1, 22

Estonian Red, 2, 7, 25

Estonian Red-Brown, 25

*Éstonskaya chernopestraya*, 28

Ethiopian Boran, 62

*Etschtaler*, 39

*etxeko behiak*, 38

*Evolénard*, 33

*Evolène*, 3, 33

*Evolèner*, 6, 33

Extremadura Red, 44

*Extremeña rubia*, 44

Ezell, 20, 68

Faenol, 24

Faeroe Island, 23

*Færøerne*, 23

Faeroes, 1, 23

*Færøesk*, 23

*Fagina*, 6, 38

*Fagine*, 38

Falkland, 24

false pien niu, 11, 55

Famenne, 3, 29

Fao, 48

Far Eastern Simmental, 12, 53

*Farabané*, 59

*Farfarou*, 60

*Feldis*, 5, 39

Feldsberg, 5, 35

*Feldsberger*, 35

*Felicité*, 16, 64

*Fellata*, 13, 14, 15, 61

*Fémeline*, 3, 35

feral Bali cattle, 58, 71

Feral yak, 10, 54

Fergana, 10, 48

Ferrandais, 37

*Ferrandaise*, 3, 37

*Ferrande*, 37

*Ferrandine*, 37

*Ferrando-forézienne*, 37

*Fez-Meknès*, 13, 58

*FFPN*, 27

*FH*, 26

FH red pied, 12, 58

FH red pied dual-purpose, 12, 58

*FH-hitam-putin*, 58

*FH-merab*, 58

Fife Horned, 24

Fifeshire, 2, 24

Fighting bull, 43

Fighting cattle, 43, 68

*Filial Ongole*, 57

*Finestère et des Côtes-du-Nord*, 31

Finnish Ayrshire, 1, 11, 12, 13, 15, 23

Finnish Holstein-Friesian, 1, 27

Fipa, 16, 65

Fire Red, 77

Five Breed Grad-Wohl, 20, 75

Fjall, 1, 22

*Fjällko*, 22

*Fjällnära*, 22

*Fjällras*, 22

Fjell, 22

Flamand, 26

*Flamande*, 26

*Flamande laitier*, 4, 26

*Flamande mixte*, 4, 26

*Flamande originelle*, 3, 26

*Flamenga*, 18, 72

*Flandrine*, 26

*Fleckvieh*, 3, 5, 76

Fleckvieh beef, 4, 35

*Fleckvieh Fleischnützung*, 35

Fleims, 39

*Fleimser*, 39

Flemish, 20, 72

Flemish dairy, 26

Flemish dual-purpose, 26

Flemish original, 26

*FLF*, 35

Florida Cracker, 20, 68

Florida Native, 68

Florida Scrub, 68

Fogera, 14, 64

*Fogha*, 61

Folégrandos, 7, 41

Forest Muturu, 14, 60

Forezien, 37

*Forézienne*, 3, 37

Forfarshire, 2, 24

*Formentina*, 38

Formosa Drought, 56

Fort Cross, 19, 77

*Foula*, 13, 14, 59

*Foulbé blanc*, 61

*Foulbé de Banyo*, 61

*Foulbé de Yola*, 60

*Foulfoulé*, 61

Four Breed Grad-Wohl, 20, 75

Fouta Jallon, 59

Fouta Longhorn, 14, 59

Fouta Malinke, 59

*Franc tournée condruzien*, 29

*Française Frisonne Pie-Noire*, 3, 27

*Franc-Comtoise*, 34

Franconian, 4, 34

*Frankenvieh*, 34

*Franqueiro*, 18, 70

*Frati*, 6, 40

*Freiburger*, 35

French Ardennes, 30

French Brown, 40

French Canadian, 31, 71

French Fighting cattle, 44

French Friesian, 27

French Guyana Mixed Criollo, 70

French Holstein, 27

French Jersey, 31

French Red Pied Lowland, 29

French Simmental, 34

*Friauler*, 35

Fribourg, 5, 35

*Fribourgeoise*, 35

*Frieiresa*, 6, 43

*Fries Roodbont*, 26

*Friesch type*, 26

Friesian, 4, 26

Friesian Red Pied, 26, 72

Friesian x desi, 11, 49

Frieswal, 10, 49

*Frijolillo*, 17, 68

*Frisia-Holstein*, 6, 27

*Frisiki genea*, 28

*Frisona*, 19, 72

*Frisona Chileno*, 19, 72

*Frisoña vermelho e branca*, 18, 72

*Friulana*, 6, 35

*Friulana pezzata rossa*, 6, 35

Friuli, 35

Friuli Simmental, 35

*Frizoña*, 6, 27

*Frizoña-Holstein*, 7, 27

*Froment*, 31

*Froment du Léon*, 3, 31

*Fronterizo*, 18, 70

*Frövidal*, 1, 23

Frütig-Adelboden, 5, 35

*Frütig-Adelbodner*, 35

*Fryske Readbûnte*, 26

*Frysk-Hollânske Swartbûnte*, 26

*Fuki Tsuru*, 11, 54

Fula, 59

Fulani, 14

Fulani Zebu, 61

*Fulani-Nam*, 61

*Fulbe*, 61

Fünen, 25

Fung, 61

Fung Kenana, 15, 61

Futa, 59

Fuzhou, 11, 54

Fuzhou Yellow, 54

*Fynsk*, 25

*g’yag*, 54

*Gabaruyé*, 60

*Gabassaé*, 61

Gacko, 7, 41

*Gadéhé*, 61

*Gado da Terra*, 43

*Galega*, 42

*Galega/Minhota*, 6, 42

*Galekan*, 12, 57

*galiba*, 55

Galician Blond, 42

Galizian Brown, 40

Galizian Woodland, 40

Galla Azebó, 64

*Gallega*, 6, 42

Galloway, 1, 2, 4, 5, 6, 8, 18, 19, 21, 24

Galway, 24

Gambian Dwarf, 13

Gambian N’Dama, 13, 59

Gamo highland, 14

Gamo lowland, 14

Gamo-Goffa, 14, 62

*Ganado Bravo*, 6, 43

*Ganado Pereira Gamargo*, 70

*Ganado Toro de Lidia*, 17, 68

*Ganapathiyan Madu*, 10, 51

Gangatiri, 10, 49

Gannan, 11, 54

Gaolao, 10, 49

Gaotai, 11, 53

*Garfagnina*, 6, 45

Garonnais, 38

*Garonnaise*, 3, 38

*Garonnaise de côteau*, 3, 38

*Garonnaise de plaine*, 3, 38

Garre, 15, 62

*Garvonesa*, 6, 44

Gasara, 15, 62

Gascon, 37

Gascon aréolé, 37

Gascon black skinned, 38

Gasconne, 2, 3, 5, 11, 19, 37

*Gasconne à muqueuses noires*, 3, 37, 38

*Gasconne à muqueuses totalement noires*, 37

*Gasconne à rondelle*, 37

*Gasconne aréolée*, 37

*Gasconne auréolée*, 37

*Gasconne croisée*, 37

*Gasconne cul-noir*, 37

*Gasconne da la Save*, 37

*Gasconne de Gers*, 37

*Gasconne de Gers et Baïse*, 37

*Gasconne de l’Armagnac*, 37

*Gasconne de Lauraguais*, 3, 37

*Gasconne des Montagnes*, 37

*Gasconne des Plaines*, 37

*Gasconne pure*, 37

*Gatačko govece*, 41

Gâtinais, 37

Gatinais-Choletais, 37

*Gâtinaise-Choletaise*, 3, 37

*Gâtine*, 3, 37

*Gâtinelle*, 37

Gaulgani, 49

Gávdos, 7, 41

Gayal, 10, 12, 13, 58

*Gelbes Frankenvieh*, 34

*Gelbes Höhenvieh*, 34

Gelbray, 20, 78

*Gelbvieh*, 1, 2, 5, 6, 7, 14, 18, 19, 21, 34

Gelbvieh beef, 4, 34

*Gelbvieh Fleisch*, 34

Geltex, 20, 68

*Genotyp 67*, 4, 36

Geonti, 10, 50

Georgian Mountain, 9, 47

German Angus, 4, 24

German Beef Shorthorn, 4, 30

German Beef Simmental, 35

German Black Pied, 8

German Black Pied (Eastern reserve), 27

German Black Pied (Western reserve), 26

GermanBlack Pied Dairy, 4, 28

German Black Pied Lowland, 4, 7, 26

German Brown, 4, 12, 21, 40

German Brown (old type), 39

German Fleckvieh, 4, 35

German Galloway, 4

German Gelbvieh, 16, 34

German Holstein, 4, 27

German Original Brown, 4, 39

German Pinzgauer, 4, 33

German Red, 2

German Red Highland, 4, 32

German Red Holstein, 4, 27

German Red Pied DP, 2, 4, 29

German Red Pied Lowland, 29

German Red-and-White Lowland, 29

German Rosie, 8, 40

German Simmental, 35

German Spotted, 35

German Yellow, 16, 34

Gerra, 62

*Gesienne*, 3, 35

Gessien, 35

*Gévaudan*, 3, 37

*Gévaudanne*, 37

Gex, 35

Gezira, 15, 61

*Gföhler-Zwettler*, 34

Gföhl-Zwetteln, 5, 34

Ghana Dwarf Muturu, 13, 60

Ghana Shorthorn, 13, 59

Ghauti, 49

Gherra, 62

Ghumsari, 51

Ghumsur, 51

Giddu, 14, 64

Gilan, 48

Gimira, 14, 59

*Gipardo*, 18, 72

Gir, 10, 12, 13, 14, 17, 18, 19, 20, 49

*Gir brasileiro*, 18, 78

*Gir leiteiro*, 18, 78

*Gir mocho*, 18, 78

Gir-Brahman, 16, 68

Giriama, 15, 63

*Girindu*, 18, 79

*Girolandia*, 72

*Girolando*, 18, 72

*Gironel*, 18, 78

*Girsey*, 18, 72

Glamorgan, 2, 30

Glan, 4, 5, 34

Glan-Donnersberg, 4, 34

*Glan-Donnersberger*, 34

Glang, 53

*glangmu*, 55

*Glanrind*, 34

*Glanvieh*, 34

*Glarus*, 5, 39

*Glatzer Gebirgsrind*, 29

Gloucester, 2, 30

Gloucestershire, 30

*gnag*, 54

Gobi Steppe, 11, 53

*Gobra*, 14, 61

*Gobra de Baol*, 14, 61

*Gobra de Djoloff*, 14, 61

Goda, 15, 62

*Godali*, 60

Goffa Dwarf, 62

Goffa highland, 62

Goffa lowland, 62

Gogo, 63

*Goias Sertanejo*, 70

Gojjam Highland, 14, 62

Gold Coast Shorthorn, 59

Göle, 9, 46

Goleng, 10, 53

Golpayegani, 9, 47

*Gommerli*, 39

Goms, 5, 39

*Gomser*, 39

Goodhope Red, 73

Goomsur, 10, 51

Goralen Mountain, 2, 8, 40

Goranea, 10, 50

Gorbatov, 8, 33

Gorbatov Red, 8, 33

Goricka, 8, 40

Goryn, 8, 25

*Gorynskaya*, 25, 40

*Gotland*, 1, 23

*Goudali*, 14, 60

*Goudali de Banyo*, 61

*Goudali de l’Adamaoua*, 60

Govuvu, 16, 65

Grade Ongole, 57

Grad-Wohl Miniature, 20, 74

Graham Island, 19, 71

*Grand plat de Ath*, 29

Grassland Red, 53

Grati, 12, 58

*Graubraunes Gebirgsvieh*, 39

*Graubraunes Höhenvieh*, 39

*Graubraunes Tiroler Gebirgsrind*, 39

Graubünden-Oberland, 5, 39

*Graubündner-Oberländer*, 39

*Graugelbes Bregenzerwälder*, 39

*Grauvieh*, 39

Great Russian land cattle, 8, 28, 40

Greater Caucasus, 9, 47

Greek Friesian Black Pied, 7, 28

Greek Shorthorn, 41

Greek Steppe, 7, 46

Grews brothers, 20, 68

Grey Adige, 39

Grey Alpine, 39

Grey Brahman, 20, 79

Grey Fiemme, 39

Grey Gacko Busha, 41

Grey Hungarian, 45

Grey Iskar, 46

Grey Iskur, 46

Grey Jutland, 27

Grey Mountain, 6, 39

Grey Native, 46

Grey Sindhi, 50

Grey Steppe, 2, 45

Grey Transylvanian, 46

Grey Ultimo, 39

Greyman, 21, 75

*Griemel*, 26

Griffin, 20, 68

*Grigia Alpina*, 6, 39

*Grigia Appeninica*, 45

*Grigia di Val d'Adige*, 6, 39

*Grigia di Val d’Ultimo*, 6, 39

*Grigia di Val di Fiemme*, 6, 39

Groningen Blazed, 26

Groningen white head, 4, 26

Groningen White Headed, 26

Groningen Whiteheaded, 4, 26

*Groninger Blaarkop*, 26

*Groninger witkop*, 26

*Grosses Fleckvieh*, 35

*Grossetana*, 6, 45

*Grusinskiĭ gornyĭ*, 47

Guadeloupe Criollo, 69

*Guademar*, 18, 71

Guadiana Spotted, 44

Guadiana White, 44

Guanfeng, 11, 56

Guangan, 56

Guangfeng, 56

Guanling, 11, 56

Guanling Yellow, 56

*Guarapuéva*, 70

*Guardameña*, 43

Guatemalan Criollo, 69

*Gudbrandsdal*, 1, 23

*Guelma*, 13, 58, 59

Guernsey, 2, 7, 9, 15, 17, 18, 21, 31

Guernsey (Island), 2

*Guernsiaise*, 4, 31

Guinea dwarf, 20, 68

Guinea Jersey, 21, 71

Guinea N'Dama, 59

Guingamp Brown, 31

*Guisarde*, 3, 26

Guixi, 56

Guizhou, 56

Gujamavu, 10, 50

Gujarati, 11, 49

Gujerat, 10, 50

*Güney Anadolu Kirmizisi*, 47

Guraghe, 14, 62

*Gurtenvieh*, 6, 39

*Gutsul’skaya*, 41

*Guzerá*, 18, 78

*Guzerá leiteiro*, 18, 78

*Guzerá mocho*, 18, 78

*Guzerando*, 18, 72

Guzerat, 17, 20, 78

*Guzerolando*, 18, 72

*Guzolando*, 18, 72

*Guzonel*, 18, 78

*GVF*, 34

*Gwartheg Duon Cymreig*, 25

*Gwartheg Hynafol Cymru*, 25

H’mong, 56

Habbani, 15, 61

Hagalvadi, 10, 50

*hainag*, 55

Hainan High hump, 57

Hainan Humped, 11, 57

*hainik*, 55

*hainýk*, 55

Hairy forehead type, 10, 55

Haitian Criollo, 69

Halabi, 48

*Halep*, 9, 48

*Halhïn Gol*, 53

Hallikar, 10, 12, 50

*Hallingdal*, 1, 23

Haman Khillari, 50

Hamer, 62

Hamilton, 24

Hammer, 30

Hammer Zebu, 14, 62

*Han Woo*, 54

Haná-Berne*r*, 35

*Hanáckobernský*, 35

*Hanagamba*, 61

Hansi, 50

*Hanwoo*, 54

Happy Mountain, 20, 75

Harar, 14, 62

Hariana, 10, 11, 49

*Hartón*, 19, 69

Harvey's cattle, 65

Harz Red, 4, 32

*Harzer Rotvieh*, 32

Hash Cross, 20, 76

*Haslitaler*, 39

Hassawi, 9, 13, 48

Hassberg, 34

Hassberg, 4

*Hassberger*, 34

Hatton, 11, 52

*Haut Bugey*, 3, 35

Hawaiian wild, 20, 68

Hays Converter, 19, 20, 74

Hazake, 11, 53

Heather cattle, 5, 27

Heck cattle, 2, 3, 4, 5, 31

*Heckrund*, 31

*Hedmark*, 1, 23

*Heidevee*, 27

*Heilbronner*, 35

*Hekes*, 31

*Helmer Blässen*, 34

Helmer Blazed, 5, 34

Helmet, 5, 33

*Helmete*, 33

Henduan Alpine type yak, 11, 54

*Herebu*, 18, 75

Hereford, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 30

Hereford (Original), 30

Hereford Traditional, 2, 30

Hereland, 3, 24

Herens, 19

*Hérens*, 6, 33

Herero, 16, 65

Herjeadals, 1, 22

Herrgard, 1, 23

*Herrgård*, 23

*herri ganadua*, 38

Hervé Black Pied, 3, 27

Hesse Red, 4, 32

Hesse-Westphalian Red, 4, 32

*Hessisches Rotvieh*, 32

*Hessisch-Westfälisches Rotvieh*, 32

Heyster, 77

Hickman, 20, 68

Highland, 1, 2, 3, 4, 5, 6, 8, 18, 19, 24

Highland Khmer, 12, 56

Highland Khmer x banteng, 12, 58

Himachal yak, 10, 55

Himalayan Hill Zebu, 52

Hinterwald, 21

Hinterwäld, 6, 9, 15, 16, 32

*Hinterwälder*, 32

Hissar, 10, 50

Hissar-Hansi, 10, 50

Hissar-Hariana, 50

Hissari, 11, 12, 50

*HM*, 27

Hmong, 11, 13, 56

*Hnedý Karpatský*, 41

*Höhenfleckvieh*, 35

*Holandês*, 18, 72

*Holandês Variedad Mosa, Rhino e Issel*, 18, 72

*Holandesa vermelho (e branca)*, 72

*Holandese*, 27

*Holando-Argentino*, 18, 72

*Holangir*, 72

Holderness, 2, 20, 30, 71

Holgus, 20, 21, 73

*Hollandaise Pie Noire*, 27

Holloway, 8, 28

Holmonger, 16, 66

*Holštajnsko-frizsky*, 27

Holstein, 4, 5, 7, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 72

*Holstein**de Luxembourg*, 27

*Holstein farbrichtung Rotbunt*, 27

*Holstein farbrichtung Schwarzbunt*, 27

*Holstein Italiana*, 6, 27

*Holstein Marsch*, 29

Holstein Marsh, 29

*Holstein Mexicano*, 17, 72

Holstein Red Pied, 29

Holstein x desi, 10

*Holšteinas (melnraibā)*, 27

*Holšteinas (sarkanā)*, 27

Holstein-Friesian, 3, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 72

Holstein-Friesland, 67

*Holstein-Frisonne*, 28

*Holstein-Friz*, 27

*Holstein-Jersian*, 28

*Holstein-Rbt*, 27

*Holstein-Sbt*, 27

Holt, 68

Honduran Criollo, 69

Hong Kong Zebu, 12, 56

*Hordaland*, 1, 23

Horned Lowland, 1, 23

Horned White Park, 74

*Hornet Slettefe*, 23

Horqing, 11, 53

Horro, 14, 64

Hotlander, 20, 76

*Hottentottenvee*, 66

Hrbinecky, 5, 35

*Hřbínecký*, 35

*Hrvatska Buša*, 40

*Hrvatski Simentalac*, 36

*HS*, 27

Huanghuai, 55

Huang-p'ei, 56

Huang-p'o, 56

Huangpi, 11, 56

Huanhu, 11, 54

*Huertana*, 7, 44

Hugenot, 66

Huguenot, 16, 66

*Humbe*, 65

*Humbi*, 16, 65

Hungarian Brown, 5, 40

Hungarian Brown Dairy, 36

Hungarian Dairy Flleckvieh, 36

Hungarian Grey, 4, 5, 45

Hungarian Holstein-Friesian, 5, 27

Hungarian Pied, 5, 36

Hungarian Red Pied, 36

Hungarian Red-and-White, 36

Hungarian Silver, 45

Hungarian Simmental, 36

Hungarian Spotted, 36

Hungarian Steppe, 45

Hungarofries, 5, 27

*Hungarofriz*, 27

Hurrianah, 49

Hutsul, 41

Hutzul, 8, 41

*Huzullen*, 41

Hybridmaster, 21, 79

Hyogo, 11, 54

Ialomita, 8, 46

*Ialomiţeana*, 46

*Ibagé*, 75

*Ibigarama*, 15, 64

Icelandic, 22

Icelandic Dairy, 1, 22

Icelandic Galloway, 1, 24

*Ichkeul*, 13, 59

Iduki, 10, 51

*Igarapé*, 18, 70

*Il-Baqra Maltija*, 47

*Ile d’Amsterdam*, 16, 64

Illawarra, 2, 12, 17, 21, 71

Illiez, 5, 35

*Illiezer*, 35

*Illvaska*, 41

Illyrian Dwarf-Gurgucka, 7, 41

Illyrian Dwarf-Lekbibaj, 7, 41

Illyrian Shorthorn, 40

Illyric Dwarf, 41

Ilocano, 57

Ilocos, 12, 57

Iloilo, 12, 58

Imlany, 40

Imljani black, 7, 40

Immendorf, 5, 35

*Immendorfer*, 35

Improved Boran, 62

Improved Criollo, 69

Improved Friuli, 35

improved pien niu, 11, 55

Improved Red Pied, 4, 29

Improved Rodope, 7, 41

Improved Shorthorn, 30

Improved Teeswater, 30

Indian Mithun, 58

Indo-African Zebu, 63

Indo-Brazilian, 12, 20, 79

Indo-Chinese Zebu, 56

*Indo-europeu leiteiro*, 18, 73

*Indú Brasil*, 79

*Induberaba*, 79

*Indubrasil*, 17, 18, 19, 79

*Indunel*, 18, 79

*Indusin*, 18, 78

Ingessana, 15, 61

*Inkuku*, 15, 64

Inner Mongolian, 53

Inntal Spotted, 5, 33

*Inntaler Schecken*, 33

Innviertel Fleckvieh, 5, 35

Innviertel Spotted, 35

*Innviertler Fleckvieh*, 35

*Innviertler Schecken*, 35

*INRA 9*, 3, 36

*INRA 95*, 4, 36

*Interlaken*, 5, 39

*Inyambo*, 15, 64

*Inyambu*, 15, 65

*Inyaruguru*, 15, 65

Irecé Dairy Crioulo, 70

Iringa Red, 15, 63

Irish Dun, 3, 24

Irish Friesian, 3, 26

Irish Longhorn, 3, 30

Irish Moiled, 3, 24

Irish Polled, 24

Irish Shorthorn, 3, 30

Irob, 15, 64

*Isigny*, 3, 31

*ISK*, 22

Iskar, 7, 46

Iskar Grey, 46

Isker, 46

*Iskrsko govedo*, 46

*Iskursko govedo*, 46

Island Jersey, 31, 71

*Islandska Galloway*, 24

*Islandska Mjölkurkyrinn*, 22

*Islanenska kyrin*, 22

*Islenskir Nautgripir*, 22

Israeli Friesian, 48

Israeli Holstein, 9, 48

Israeli Red, 9, 48

Istar, 45

Istar-Karst, 7, 45

*Istar-Kvarner*, 45

*Istarsko goveče*, 45

*Istarsko govedo*, 45

*Istarsko Podolaz*, 45

Istoben, 8, 28

*Istobenskaya*, 28

Istrian, 45

Istrian Grey, 45

Istrian Podolaz, 45

Istrian Podolian, 45

Istrian Podolic, 45

ItalianBrown Alpine, 40

Italian Brown original, 40

Italian Holstein, 27

Italian Pinzgau, 33

Italian Podolian, 45

Italian Red Pied, 35

Italian Simmental, 35

*Itapetinga*, 18, 73

*Itä-Suomalainen Karja*, 22

*Itäsuomenkarja*, 22

*Itäsuomenkarja kyyttö*, 22

Itsgründ, 34

Itsgründ, 4

Itz and Baunach, 4, 34

*Itz- und Baunachgründer*, 34

*Itzgründer*, 34

Izankaya, 66

Jaba, 10, 52

*Jaguanês*, 18, 72

*Jaguanese*, 72

Jali, 60

*Jalli*, 60

Jalliji, 60

*Jalomiţa*, 46

Jalomitzaner, 46

Jamaica Black, 75

Jamaica Brahman, 79

Jamaica Creole, 69

*Jamaica Hope*, 17, 72

Jamaica Red, 73

Jamaica Red Poll, 73

*Jämtland*, 22

Jamtland Mountain, 22

Japanese Black, 11, 54

Japanese Brown, 11, 54

Japanese Holstein, 11, 54

Japanese Holstein-Friesian, 54

Japanese Improved, 54

Japanese native, 54

Japanese Poll, 11, 54

Japanese Polled, 54

Japanese Shorthorn, 11, 54

*Jarlsberg*, 1, 22

*Jarmelista*, 6, 43

*Jathi Madu*, 51

jatsa, 10, 52

jatsum, 10, 52

Jaulan, 9, 47

Java cattle, 57

Java Ongole, 21, 57

*Javanês*, 18, 72

Javanese, 12, 57

Javanese Ongole, 12, 57

Javanese Zebu, 12, 57

Jawi, 57

*Jawi Pandaan*, 12, 57

*Jawi Timur*, 57

*Jawi Trenggalek*, 57

Jeju, 54

Jeju native, 54

Jeli, 60

*Jellicut*, 51

Jem Jem Zebu, 14, 62

Jenubi, 9, 48

*Jerdi*, 18, 72

Jersey, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 31

Jersey Island, 2

Jersey x desi, 10, 49

Jersey-Zebu, 72

*Jersiaise*, 3, 31

*Jersiaise Française*, 31

Jersian, 3, 31

Jersind, 10, 49

Jeverländ, 4, 27

*Jeverländer*, 27

*jhopke*, 55

Ji’an, 11, 56, 57

Jiaxian, 55

Jiaxian Red, 11, 55

Jiddu, 15, 64

Jiddu-Tuni, 15

Jie, 15, 62

Jijjiga Zebu, 14, 62

Jinan, 11, 55

Jiniu, 56

Jinnan Yellow, 11, 55

Jiulong, 11, 54

Jochberg, 5, 33

*Jochberger*, 33

*Jochberger Hummel*, 5, 33

*Jochberger Hummeln*, 33

*jolong*, 55

*jommu*, 55

*Jonstrop*, 1, 23

*joppa*, 55

Jordanian Arab, 47

Jotko, 14, 59

*Jotkoram*, 59

*jum*, 55

Junágadh, 49

*Junqueiro*, 18, 70

*Jura*, 5, 35

Justinshire, 20, 75

Jutland, 1, 27

Jutland Grey and Black Pied, 27

*Jysk Kvaeg*, 27

*Jysk Kvieg*, 27

Kaarta Fulani, 61

*Kabi*, 14, 60

Kabota, 12, 57

Kabuli, 48

*Kabyle*, 13, 59

Kachcha Siri, 11, 52

Kachhi, 49

*Kadonta*, 12, 57

*Kafkazkaya*, 47

*Kai Lumpoon*, 57

*Kaiama*, 60

Kalmuck, 8, 52

Kalmyk, 8, 9, 12, 52

Kalmykian, 52

*Kalmytskaya*, 52

Kamaduk, 10, 49

Kamasia, 15, 63

Kamba, 15, 63

Kamdhino, 10, 51

Kampete, 5, 33

Kanada, 49

Kandahari, 10, 48

*Kanem*, 13, 59

Kangam, 10, 51

Kanganad, 51

Kangayam, 10, 12, 51

*Kangayam brasileiro*, 18, 79

*Kangayan*, 79

Kaningan, 12, 57

Kankarej, 11, 50

Kankrej, 10, 12, 14, 16, 50

Kankreji, 50

Kanouri, 15, 61

*Kao Lumpoon*, 57

Kaokoveld, 16, 65

Kapila, 10, 51

Kapsiki, 14, 60

Karacabey Brown, 47

*Karacabey Esmeri*, 47

Karacabey Montafon, 47

*Karacadag*, 9, 46

Karagwe Shorthorn, 15, 65

*Karaisali*, 9, 47

Karakalpak, 10, 53

Karamajong, 15, 62

Karamajong Zebu, 14, 15

Karan Fries, 10, 50

Karan Swiss, 10, 49

*Karavaevo*, 40

Kargopolian, 8, 23

Karst, 5, 45

*Karstvieh*, 45

*Kärtner Blässen*, 34

*Kärtner Blondvieh*, 34

Kasargod dwarf, 10, 51

Kashibi, 16, 65

Kastellorizon, 7, 47

*kata bizarrak*, 38

Katerini, 7, 46

Katerini Steppe, 46

Kathiawari, 49

Kathmandu Valley Zebu, 11, 52

*Katonta*, 57

*Katsinaoua*, 61

Kaveri, 50

Kavirondo, 15, 63

*Kavkazkiĭ*, 47

*Kavkazskaya buraya*, 47

Kavuvu, 65

*Kazach*, 52

Kazakh, 9, 52

Kazakh Red Steppe, 53

Kazakh Whiteheaded, 53

*Kazakhskaya*, 52

*Kazakhskaya belogolovaya*, 53

Kazova Yellow Pied, 47

Kea, 7, 41

Kedah-Kelantan, 12, 57

Kedah-Thailand, 57

*Keepnek*, 66

Keerqin, 11, 53

*Kef*, 13, 59

Kelantan, 57

Kelantan-Kedah, 57

Kellheim, 4, 32

*Kellheimer*, 32

Kematen, 5, 39

Kemerovo, 12, 53

*Kemerovskaya*, 53

Kemp, 16, 66

*Kempen roodbont*, 29

*Kempens Roodbont*, 29

*Kempens runderras*, 29

*Kempisch*, 29

Kenana, 15, 61

Kenkatha, 10, 50

Kenran, 54

*Kenrangyu*, 11, 54

Kentshire, 21, 75

Kenwariya, 50

Kenya Boran, 15, 62

Kenya Friesian, 15

Kenya Sahiwal, 15, 63

Kenyawal, 15, 63

*Keos*, 41

Keriyu, 64

*Kerkyra*, 41

Kerry, 3, 24

Keteku, 14, 60

*Keteku de Borgu*, 60

Khalit, 13, 48

*Khalkhingol 'skiĭ skot*, 53

Khalkun Golum, 11, 53

Khamala, 10, 49

Khamissi, 47

Khamla, 49

*Khao Lumpoon*, 57

Khargaon, 49

Khargoni, 49

Khari, 50

Khariar, 10, 51

Khasi, 10, 51

*khaynyk*, 55

Kheri, 50

Kherigarh, 10, 11, 50

Kherson, 46

Khevsurian, 9, 47

*Khevsurskaya gruppa*, 47

Khillari, 10, 50

Khmer, 56

*Kho Peun Nyang Thai E San*, 13, 56

*Kholmogorskaya*, 28

Kholmogory, 8, 12, 28

Kholmogory Hybrid, 8, 28

Khorsan Zebu, 9, 48

*Khorsanskiĭ Zebu*, 48

Khurasani, 10, 48

Khurgoni, 49

Khuzestan landrace, 9, 47

Kigezi, 15, 65

Kigezi Shorthorn, 15, 65

*Kikad*, 51

Kikuyu Highland Zebu, 15, 63

*Kilakad*, 51

*Kilakattu*, 51

*Kilara*, 13, 60

Kilimanjaro Hill Zebu, 15

Kilimanjaro Zebu, 63

*Kilis*, 9, 47

Killari, 11

Kiloe, 24

Kimberley Shorthorn, 73

Kingshire, 21, 75

Kinniya, 11, 51

Kinsella, 19, 77

*Kiprus*, 47

Kipsiki Zebu, 15, 63

Kirdi, 60

Kirgiz, 52

*Kirgizskaya*, 52

Kirkho, 53

Kirko, 11, 53

Kisantu, 15, 66

Kistna River, 50

Kistna Valley, 50

Kitzbühl, 5, 33

*Kitzbühler*, 33

Kivu sanga, 15, 65

Kiwi, 21, 72

KK, 57

*Kladsko sudetský červený*, 32

Kladsko-Sudeten Red, 5, 32

Kleiti, 47

*Klodzka*, 2, 29

*Kłodzka*, 29

Klostertal, 5, 39

*Klostertaler*, 39

Koalib, 61

*Kochi*, 11, 54

Kolubara, 8, 46

*Kolubarac*, 46

*Kolubarska*, 46

*Kolubarsko goveče*, 46

Komi, 8, 23

Komoloja, 23

Konari, 10, 48

Kongu, 51

Konkan, 10, 49, 50

Konkani, 49

*Konkomba*, 59

*Kontinentalna Hrvatska*, 36

Korean Black, 12, 54

Korean Brown, 12, 54

Korean Holstein-Friesian, 54

Korean Native, 12, 54

Korean Yellow, 54

*Kortegaard*, 1, 27

*Korthoring*, 67

Koruska Blond, 8, 34

*Koruška plava*, 34

Kos Island, 47

Kosi, 49, 60

Kosti Kenana, 61

Kostroma, 8, 40

*Kostromskaya*, 40

*Kouri*, 13, 14, 59

Kranjsko, 7, 40

*Krasnaya Azerbaidzhanskaya*, 47

*Krasnaya belorusskaya*, 25

*Krasnaya èstonskaya*, 25

*Krasnaya gorbatovskaya*, 33

*Krasnaya kolonistskaya*, 25

*Krasnaya litovskaya*, 25

*Krasnaya nemetskaya*, 26

*Krasnaya pol’skaya*, 25

*Krasnaya Polska*, 25

*Krasnaya stepnaya*, 25

*Krasnaya tambovskaya*, 33

*Krasnaya ukrainskaya*, 25

*Krasno-astrakhanskaya*, 52

*Krasnobelorusskaya*, 25

Krasnodarsk, 46

*Krasnogorsbatovskaya*, 33

*Krasnotambovskaya*, 33

*Krasnyĭ megrelskiĭ*, 47

*Kraudeltes Vieh*, 34

Kravarsky, 5, 35

*Kravařský*, 35

*Kréda*, 61

*Krempermarscher*, 29

Krempermarsh, 4, 29

Kreuzberg, 2, 32

*Kreuzberger*, 32

*Kreuzschecken*, 39

Krishná River, 50

Krishna Valley, 10, 50

Krishnagiri, 10, 51

*Kríti booedé*, 41

*Kríti venó booedé*, 41

Kuban Red, 8, 25

Kuban Steppe, 8, 46

Kuban-Black Sea, 8, 46

*Kubano Chernomorskaya*, 46

*Kuburi*, 59

*Kuchinoshima*, 11, 54

*Kuhländer*, 35

Kuku, 63

Kula, 36

*Kulska*, 36

*Kultak*, 9, 46

*Kumamoto*, 11, 54

Kumauni, 10, 52

Kuramin, 10, 48

Kurdi, 9, 47

Kurdish, 47

Kurgan, 12, 53

*Kurganskaya*, 53

Kuri, 14, 59

*Kuroge Washu*, 54

*Kurt*, 47

*Kuttanbula kullan*, 10, 51

Kwangtung, 55

*Kwaniama*, 16, 65

Kwavuvu, 65

*Kyank Phu*, 12, 57

*Kyankphu*, 57

Kyloe, 24

Kyoga, 15, 63

*Kypriaki*, 47

*Kyrgyzkaya*, 52

Kyrhet Australian Miniature Cattle, 21, 74

*Kyst Kvaeg*, 23

*L*, 26

*La Velásquez*, 19, 70

*la Vilarde*, 37

Labin, 7, 45

Ladakh Hill, 10, 53

Ladakh yak, 10, 54

Ladakhi, 10, 52

Ladner, 20, 68

Ladnier, 20, 68

Lages Crioulo, 70

Lagoon, 60

Lagos Cross, 14, 60

*Laguiole*, 3, 37

*Lagunaire*, 13, 60

*Lagunaire grande modele*, 14, 60

*Lagune*, 13, 14, 15, 60

*Lagunes*, 60

Lahn, 34

Lahn, 4

*Lahnvieh*, 34

Laisind, 13, 57

*Lakenvelder*, 3, 4, 26

Lakhalbunda, 49

Lambadi, 50

Lambi Bar, 49

*Lambrechter*, 34

Lancashire, 2, 30

Land cattle, 1, 25

Land Shorthorn, 4, 30

Landais, 38

*Landaise*, 3, 38

*Landaise-Marine*, 37

*Landim*, 16, 66

Landl, 5, 33

*Landler*, 33

*lang*, 55

Lango, 63

Lankan, 51

*Länsi-Suomalainen Karja*, 22

*Länsisuomenkarja*, 22

Laos Yellow, 12, 56

Laotian, 12, 56

Lapland, 22

*Lare e Kuge*, 36

Large Ilocos, 12, 57

Large Sicilian, 45

Las Bela, 11, 49

las Hoyas Criollo, 70

*Latour*, 37

Latuka, 15, 62

Latvian Black Pied, 2, 27, 28

Latvian Blue, 2, 28

Latvian Brown, 2, 8, 25

Latvian Brown-and-White, 25, 28

Latvian Dairy, 2, 28

LatvianHolstein, 2, 27

Latvian Light red, 2, 28

Latvian Red, 25

LatvianRed Holstein, 2, 27

Latvian Red Pied, 2, 28

Latvian Red-brown, 25

*Latviĭskaya chernopestraya*, 27

*Latviïskaya krasnopestraya*, 25

*Latvijas brūnā*, 25

*Latvijas zilā*, 28

Lauraguais Gascon, 37

Lavanttal, 5, 34

*Lavanttaler*, 34

*Lavedan*, 38

*Lavedan et de la Bigorre*, 38

*Lavínia*, 18, 73

*LB*, 25

*Le Mans*, 31

Leachman Hybrids, 21, 77

Lebanese, 9, 48

Lebanese Baladi, 47

*Lebaniega*, 6, 42

Lebedin, 8, 40

*Lebedin-Schwyz*, 40

*Lebedinskaya*, 40

Lechtal, 5, 39

*Lechtaler*, 39

*Ledonne*, 38

*Legitímo*, 18, 70

Leicestershire, 2, 30

*Leintaler*, 34

Leiqiong, 11, 57

Leizhou, 11, 57

Lenfa, 8, 23

*Léonarde*, 31

*Leonesa*, 6, 42

*Léonnais*, 31

*Léonnaise*, 3, 31

Lepcha, 11, 53

Lesser Caucasus, 9, 47

Lesser Jersey, 71

*lhang*, 55

Liberian Dwarf Muturu, 13, 60

Libyan local, 59

Libyan Shorthorn, 13, 59

*Licht Helmeten*, 34

*Lichtes Alpenvieh*, 34

*Lichtes Höhenvieh*, 34

LID, 57

*Lidia*, 43

*Lidia Casta Navarre*, 6, 44

*Lietuvos baltnugariai*, 28

*Lietuvos Baltnugariai Galvaijoi*, 28

*Lietuvos Holstein*, 27

*Lietuvos Juodmargiai*, 28

*Lietuvos šemieji*, 28

*Lietuvos Šemigalvijai*, 28

*Lietuvos Zalieji Gulvijai*, 25

Light Alpine, 34

Light Helmet, 5, 34

Light Mountain, 34

Lika, 7, 40

Lim, 40

*Limagne*, 3, 37

*Limangus*, 18, 77

*Limburger*, 34

Lim-Flex, 76

*Limiá*, 6, 43

Limiana, 43

Limon Blue, 3, 29

Limonero, 69

Limousin, 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 37

*Limousine*, 3, 37

*Limpurger*, 4, 34

Lincoln Red, 2, 4, 5, 18, 19, 21

Lincoln Red (Original), 2, 30

Lincoln Red new type, 30

Lincoln Red Shorthorn, 30

Lincolnshire Beef Poll, 30

Line One Hereford, 20, 73

Lineback, 20, 71

Lingadahalli, 10, 50

Lingnan, 11, 55

Liping, 11, 56

*Lischnaer*, 32

Lisna Red, 5, 32

*Lištňanské červienký*, 32

Lithuanian Ash Grey, 2, 28

Lithuanian Black Pied, 2, 28

Lithuanian Dairy, 2, 28

Lithuanian Holstein, 2, 27

Lithuanian land cattle, 25, 28

Lithuanian Light Grey, 28

Lithuanian Red, 2, 8, 25

Lithuanian White Back, 2, 28

Lithuanian Whiteback, 28

*Litowskiĭ skot*, 28

Little Rowdy, 21, 78

Livin, 5, 39

*Liviner*, 39

*LJ*, 28

*Llanero*, 19, 69

*Llanuras*, 6, 43

*LM*, 27

*Lobi*, 13, 59

*Lobi-Gouin*, 59

Local Indian Dairy, 12, 57

local pien niu, 11, 55

*Loesnaya Kyrgyzkaya*, 52

*Logone*, 13, 59

Lohani, 11, 48

Lola, 49

Long-hair-forehead yak, 54

Longhorn, 2, 30, 68

Longlin, 11, 56

Long-Twisted-Horn, 16, 66

*Lopa e Gurgucka*, 41

*Lopa e Lekbibaj*, 41

*Lopa e Lekbibajt*, 41

*Lopa e Mursisë*, 46

*Lopa e Prespa*, 41

Lord Caernarvon’s breed, 2, 24

Lori, 9, 47

*Loriĭ*, 47

*Lorquina*, 6, 44

Lötsch, 5, 35

*Lötscher*, 35

Lourdais, 38

*Lourdaise*, 3, 38

*Lourdes*, 38

Lower Rhine, 32

Lower Swabian, 4, 34

Lower Volga, 8, 52

Lowland, 25

Lowland Khmer, 12, 56

Lowland Khmer x banteng, 12, 58

Lowland Zebu, 63

Lowline Angus, 21, 73

*Lozeriènne*, 37

*Lozerote*, 37

Lozi, 65

*LS*, 28

*LSK*, 22

Lucanian, 45

*Lucerna*, 19, 70

Lugware, 15, 63

Luing, 2, 4, 19, 21, 24

Lulu, 11, 53

Lundazi, 16, 63

Lungau, 5, 33

*Lungauer*, 33

Luqu, 11, 54

*Luse-Holandese*, 27

*Luserna*, 44

Luxembourg Black Pied, 27

Luxembourg Holstein, 4, 27

Luxembourg Red Pied, 4, 29

Luxi, 11, 55

Lyngdal, 1, 22

*LZ*, 28

*LZG*, 25

*M'Bororo*, 61

*M'Bougi*, 60

*M’Bororo*, 14

M1, 21, 77

M2, 21, 77

M3, 21, 77

M4, 21, 77

M4 (Heyster), 20

*Ma'amir*, 48

Maasai, 62

Maasai Grey, 62

*Maas-Rijn-IJsselvee*, 29

Macedonian black Busha, 7, 41

Macedonian Blue, 41

Macedonian Busha, 7, 41

Macien, 64

Macina Fulani, 61

Madagascar Zebu, 63

Madaripur, 10, 51

*Madeira Mixed*, 6, 43

Madhya Pradesh dwarf zebu, 51

Madras Red, 10, 51

Madura cattle, 57

Madurese, 12, 21, 57

Mafriwal, 12, 57

Magal, 15, 62

*Maghreb*, 58

Magnum, 20, 74

*Magyar alföldi*, 45

*Magyar szürke*, 45

*Magyartarka*, 36

Mahabharat Lekh, 52

Mahadeopuri, 50

Mahadeswarabetta, 50

*Mahon*, 58

*Mahonesa*, 42

*Maiana*, 43

*Maine*, 31

*Maine-Anjou*, 2, 3, 4, 11, 19, 21, 31

*Maine-Anjou latiere*, 3, 31

Mainland, 4, 34

*Mainlander*, 34

MainTainer, 20, 76

*Maintaler*, 39

Maiwa, 11, 54

Majdaner, 8, 40

Majorcan, 42

Makalanga, 16, 66

Makalwi, 74

Makaranga, 66

Makaweli, 20, 74

*Makedonska buša*, 41

Malabar, 10, 18, 51, 71

Malagarasi Ankole, 65

Malaimadu, 10, 51

*Malakan*, 9, 46

Malawi Angoni, 16, 63

Malawi Zebu, 63

Malay banteng, 58

*Malhado do baixo Guadiana*, 6, 44

Malinke, 59

Malir, 49

*Malkekorthorn*, 30

*Mallorquina*, 6, 42

Malnad Gidda, 10, 51

*Malokavkazskiĭ*, 47

Malselv, 1, 23

*Målselvfe*, 23

Maltein, 5, 34

*Malteiner*, 34

Maltese Ox, 6, 47

Malvi, 10, 50

Malwi, 50

*Mambi*, 17, 72

Mampati, 10, 51

Manapari, 10, 51

Manapparai, 51

*Manceau*, 4, 31

*Manceau anglais*, 31

*Manceaux*, 31

*Mancelle*, 3, 31

Mandalong Special, 20, 21, 78

Mandans, 2, 5, 40

*Mandanscher*, 40

*Mandé*, 59

Mandeshi, 50

Mandingo, 59

Mandsur, 10, 50

Mangbattu, 63

*Mango*, 59

Mangoni, 65

Manguni, 16, 65

Mangwato, 16, 65

Manhartsberg, 5, 36

*Manhartsberger*, 36

*Mani Madu*, 51

Manipuri, 10, 58

*Manjaca*, 13, 14, 60

*Manjan‘i Boina*, 15, 64

Manjra Singhai, 10, 50

*Manselle*, 31

*Mansotte*, 31

*Mantequera leonesa*, 42

Manthani, 50

*Mantiqueira*, 72

Manzlawi, 48

*mao-niu*, 54

Maraîchin, 37

*Maraîchine*, 3, 5, 37

*Maraine*, 31

*Marais*, 37

Maramures Brown, 8, 41

Maras, 9, 48

*Marat,*, 37

MARC, 21, 77

MARC I, 21, 77

MARC II, 21, 77

MARC III, 21, 77

*Marchais*, 37

*Marchigiana*, 2, 3, 5, 6, 7, 18, 19, 21, 45

*Marchigiana gentile*, 6, 45

Marchigiana hill, 45

Marchigiana plains, 45

Marchois, 37

*Marchoise*, 3, 37

*Maremmana*, 6, 7, 45

*Maremmana primitivo*, 5, 6, 45

*Maremmana stabulata*, 45

Mariadvur, 5, 34

Mariahof, 5, 34

*Mariahofer*, 34

*Mariahofer-Lavanttaler*, 34

Mariahof-Lavanttal, 5, 34

Marianas, 21, 58

Marianas Island, 58

Marianne, 58

*Mariapillai Madu*, 10, 51

*Marine*, 3, 37

*Marine-Landaise*, 37

*Marinera*, 6, 42

*Marinhoa*, 6, 43

*Mariodvorský*, 34

*Marismeña*, 7, 44

Marks, 20, 68

Marky, 77

Marmandais, 38

*Marmandaise*, 3, 38

*Maroillaise*, 3, 26

Maroilles, 26

Marolais, 7, 41

*Maronesa*, 6, 43

Martinique Criollo, 69

Marwari, 50

Maryuti, 13, 59

Masai Grey, 15, 62

Masai Zebu, 15, 62

Mashona, 16, 17, 66

Mashuk, 65

Mashukulumbwe, 65

Mashukulumpo, 65

*Masny Simentálsky*, 36

Masny Simmental, 5, 36

*Mäsový Simentálský*, 36

Masovy Simmental, 5, 36

Massanais, 38

*Massanaise*, 3, 38

*Massanesa*, 38

Masti dana, 10, 51

Masurian, 28

Matabele, 65

Mateba, 15, 66

*Mateur*, 13, 59

*Maubeugeoise*, 30

*Maure*, 14, 60

*Maurine*, 37

Mauritanian, 60

Mauritius Creole, 64

Mauritius Zebu, 64

*Maydaner*, 40

*Mayennaise*, 3, 31

*Mayenne*, 31

*Mayne*, 60

*Mayombe*, 15, 60

*Mayumbe*, 60

Mazanderani, 9, 48

*Mazurenland*, 28

*Mazurska*, 28

Mazury, 2, 28

*Mbororo*, 61

Mbulu, 15, 63

*Mbuuyé*, 60

*mdzo*, 55

*mdzo-mo*, 55

*mdzo-po*, 55

Meat Belgian Blue Breed, 29

Medenes, 15, 64

Mediterranean-Anatolian Primitive, 7, 41

Meiniu, 11, 53

*Meisenheimer*, 34

*Meknès*, 58

Meknès Black Pied, 58

Menggu, 11, 53

Menno-Fries, 8, 28

*Menorquina*, 6, 42

Menscha, 58

Menufi, 13, 48

Meran, 39

*Meraner*, 6, 39

Merauke, 12, 57

*Méré*, 13, 14, 59, 60

*Méré-Lobi*, 60

*Merlerault*, 3, 31

*Mertolenga*, 6, 44

Mesen, 23

Messaoria, 7, 47

Messara, 41

Messkircher, 4, 35

*Mestiço leiteiro brasileiro*, 18, 73

*Mestizo perijanero*, 19, 70

*Mestizo-Holstein*, 18, 73

*Mestnaya èstonskaya*, 22

Metohija Red, 8, 41

*Métsovo*, 46

Metsovo Red, 7, 46

Meuse-Rhine-Issel, 2, 3, 29

Meuse-Rhine-Yssel, 4, 9, 11, 19, 29

Mevatti, 49

Mewati, 10, 49

Mexican cattle, 68

Mexican Criollo, 68

*Meymac*, 3, 37

*Meyssac*, 3, 37

Mezen, 8, 23

*Mézenc*, 3, 37

*Mézine*, 37

*Mezzalina*, 45

Mhaswad, 10, 50

Miaoya, 11, 55

*Micahaille*, 3, 35

Middle German Hill, 32

Middle German Red, 32

Middle German Unicoloured Yellow Highland, 34

Midighesi, 10, 50

Miesbach, 4, 35

*Miesbacher*, 35

*Mijanaise*, 38

Mikolongwe, 16, 63

Milk Shorthorn, 1

Milk Shorthorn, 30

Milking Criollo, 69

Milking Devon, 20, 71

Milking Shorthorn, 12, 17, 19, 20, 21, 71

Milking Zebu, 50

Min, 56

*Mineiro*, 18, 70

Mingrelian Red, 9, 47

*Minhota*, 42

Mini American Beltie, 21, 74

Mini Angus, 21, 73

Mini Belfair, 21, 74

Mini Belmont, 21, 74

Mini Brangus, 21, 75

Mini Dexford, 21, 75

Mini Dexter, 19, 21, 74

Mini Durham/Shorthorn, 21, 73

Mini Zebu, 79

Miniature Black Baldie, 21, 74

Miniature cattle, 74

Miniature Criollo, 17, 69

Miniature Galloway, 21, 74

Miniature Hereford, 21, 73

Miniature Highland, 21, 74

Miniature Holstein, 21, 72

Miniature Jersey, 71

Miniature Spanish Las Manchas, 21, 68

Miniature Texas Longhorn, 21, 68

Miniature Zebu, 21, 79

Minnan, 11, 56

Minnfeya, 48

Minorcan, 42

*Miñota*, 42

Mirandais, 37

*Mirandaise*, 3, 37

*Mirandesa*, 6, 43

*Mirandesa beiroa*, 43

*Mirandesa-Frieiresa*, 43

*Mirandez estremenho*, 6, 43

Mirandez Mountain, 43

Mirrit, 12, 57

Mishima, 11

*Mishima ushi*, 11, 54

Miskov, 8, 40

*Misse*, 61

Mithun, 10, 12, 58

Mithun-Siri, 58

MithunSiri, 10

*Mitteldeutsches Einfarbiges Gelbes Höhenvieh*, 34

*Mitteldeutsches Gebirgsvieh*, 32

*Mitteldeutsches Rotvieh*, 32

Mitzan, 62

Mixed Perijanero, 70

*Mixte Bleue du Nord*, 30

Mizorami, 10, 58

Mkalama Dun, 15, 63

Mkalama Gold, 63

*MLB*, 73

*Mocaniţa*, 40

Mocanitsa, 8, 40

*Mocany*, 40

*Mocho de Quitengues*, 65

*Mocho Nacional*, 18, 70

*Modderbont*, 26

*Modenese*, 6, 45

*Modenese di Monte*, 45

*Modenese di pianura*, 6, 45

Modenese plains, 45

*Modicana*, 6, 13, 45

Modicana landrace, 45

*Modicana primitivo*, 6, 45

*Modicano-Sarda*, 45

Modica-Sardinian, 45

Moi, 12, 56

*Mokany*, 40

*Molai Madu*, 51

*molang*, 55

Moldavain Steppe, 46

Moldavian, 8, 46

Moldavian Black-and-White, 7, 28

Moldavian Red Steppe, 7, 26

*Moldovenescă*, 46

Moldovian-Estonian Red, 7, 26

*Möll-Drautaler*, 33

Mölltal, 5, 6, 33

*Mölltaler*, 33

Mölltal-Pinzgau, 33

Molotschnaer, 25

Mombe, 66

*Monchina*, 6, 42

Mongalla, 15, 62

Mongolian, 11, 53

Mongolian Black Pied, 12, 53

Mongolian Whiteheaded, 11, 53

Mongolian yak, 12, 54

Mongolian Yellow Brown, 12, 53

*Mont d’Or*, 37

*Mont Dor*, 3, 37

Montafon, 5, 39

*Montafoner*, 39

*Montagnarde*, 38

*Montagne Noire*, 3

*Montagne Noire*, 37

*Montagnole*, 38

Montalbanais, 38

*Montalbanaise*, 3, 38

*Montana*, 18, 78

Montana red, 38

*Montana rossa*, 6, 38

*Montanara*, 45

*Montanheiro*, 43

*Montanina*, 6, 45

*Montaoise*, 30

*Montaubanais*, 38

Montbéliard, 2, 3, 5, 7, 8, 9, 11, 19, 34

*Montbéliarde*, 2, 3, 5, 13, 14, 18, 34

Montenegro Busha, 7, 41

Montgomery, 12, 49

Montgomery-Jersey, 72

Montgomeryshire, 2, 25

*Moor*, 14, 60

Moorish, 60

Morang, 11, 52

Moravian Carpathian Red, 32

Moravian Red, 5, 32

Moravian Red Pied, 5, 36

Moravian Red Spotted, 36

Moravian Sudeten, 32

*Moravský červenostrakatý*, 36

*Moravský červený*, 32

Morbihan Black Pied, 31

*Morenas del Noroeste*, 42

Moroccan Blond, 58

MoroccanBrown Atlas, 58

Morocco Blond Atlas, 58

Morocco Olmez, 58

Morocco Tidili, 58

*Morucha*, 6, 43

Morucha Black, 43

*Morucha Variedad Negra*, 7, 43

*Moruno-sinuano*, 69

Morvan, 36

*Morvandelle*, 3, 36

*Morvandiote*, 36

Mostrenca, 44

*Mottai Madu*, 51

*Mottois*, 37

Motu, 10, 51

Mountain Garonnais, 38

Mountain Grey, 40

Mountain Spotted, 35

Mountain type, 10, 55

Moutourou, 60

Mozambique Angoni, 63

Mozambique zebu, 63

Mpwapwa, 15, 63

MRI, 29

*MRIJ*, 29

*Mrko smeda rossa*, 41

MRY, 19, 20, 29, 72

*Mucca nera pisana*, 45

*Mucubai*, 16, 65

*Mugamba*, 15

*Mugambu*, 65

*Mukaku Washu*, 54

Mulge, 62

Multani, 49

*München-Berlin Auerochs*, 31

Munich cattle, 31

Munich-Berlin Aurochs, 31

Munich-Berlin cattle, 31

Munshigani, 10, 51

*Münster*, 3, 32

Münster runts, 4, 29

*Münstervieh*, 29

Murboden, 5, 34

Murboden-Mürztal, 5, 34

*Murbodner*, 34

*Murbodner-Mürztaler*, 34

*Murciana*, 44

*Murciana-Levantina*, 7, 44

*Murgese*, 6, 45

Murle, 14, 15, 62

Murmansk, 8, 23

Murnau-Werdenfels, 39

*Murnau-Werdenfelser*, 39

Murray Grey, 2, 11, 19, 21, 74

Mursi, 7, 14, 46, 62

Mürztal, 5, 34

*Mürztaler*, 34

Musi, 16, 66

Muturu, 14, 60

Myanmar native, 56

*Mysol*, 17, 69

Mysore, 12

Mysore Zebu, 50

N'Dama, 13, 14, 15, 18, 59

*N'Dama de Kaarta*, 59

*N'Dama Grande*, 14, 59

*N'Dama Petite*, 14, 59

*N'Dama-Jersey*, 59

*N'Dama-M’Bororo*, 14, 59

*N'Damance*, 13, 59

N'Dama-Sanga, 13, 59

*N'Damaza*, 13, 59

*N'Dowiji*, 61

*N'Gabou*, 14

*N'Gabú*, 13

*N'Gaoundéré*, 14, 60

*N'Gaoundéré Goudali*, 60

N’Dama x Red Bororo, 59

*N’Dama-Jersey*, 13

*N’Damaza*, 14

*N’Gabou*, 59

*N’Gabú*, 59

*Naattukuttai*, 10, 51

Nagai, 52

Nagami, 10, 58

Nagar, 10, 50

Nagaur, 49

Nagori, 10, 49

*nak*, 54

Nakali Khillari, 10, 50

Nakli Khillari, 50

Nama, 16, 66

Namaqua, 16, 66

*Nambu*, 11, 54

*Namchi*, 60

*Namponnaise*, 3, 26

*Namshi*, 60

Nandi, 15, 63

Nandi Blue, 63

*Nanico*, 70

Nantais, 37

*Nantaise*, 3, 37

Nanyang, 11, 55

Nari, 10, 50

Nari Master, 11, 50

Narym, 52

*Ñata*, 18, 70

Native Anatolian Red, 46

Native Black, 9, 46

Native cattle, 20, 71

Native Grey, 46

Native Southern Yellow, 9, 47

Nattumadu, 10, 51

Nattupasu, 51

*Natura*, 75

Navarre, 44

Naxos, 7, 47

Ndagu, 13, 59

Ndawana, 65

Neal, 20, 68

*Neckar*, 35

Neckar-Heilbron, 4, 35

*Neckar-Heilbronner*, 35

*Negra andaluza*, 7, 43

*Negra campiñesa*, 43

*Negra de las Campiñas andaluzas*, 43

*Negra Ibérica*, 6, 43

*Negro Jamaicano*, 17, 75

Nejdi, 9, 47

*Nelangus*, 75

*Nelchiano*, 78

Nellore, 20, 50, 78

Nellore black pied, 78

Nellore red pied, 78

*Nelogir*, 18, 79

*Nelorando*, 18, 72

*Nelore*, 13, 14, 17, 18, 19, 78

*Nelore mocho*, 18, 78

*Nelore pintado em branco*, 18, 78

*Nelore pintado em preto*, 18, 78

*Nelore vermelho*, 18, 78

Nelorford, 21, 75

Nelthropp, 74

Nepalese Hill Zebu, 11, 52

Nepalese yak, 11, 54

Nepalese Zebu, 11, 52

Nepali Hill Zebu, 52

Néracais, 38

*Néracaise*, 3, 38

Neretva, 7, 40

Netherlands Black Pied, 26

*Neue Miesbacher*, 33

New Hungarian Brown, 36

New Miesbach, 4, 33

New North Caucasian, 8, 53

New Red Dairy, 8, 25

New Zealand Friesian, 21, 72

New Zealand Holstein-Friesian, 72

New Zealand Jersey, 21, 72

New Zealand Sahiwal x Holstein-Friesian, 73

New Zealand Taurindicus, 10, 11, 12, 17, 19, 21, 73

Ngami, 16, 65

Nganda, 15, 64

*Ngombe dza Maswina*, 66

*Ngombe dza Vakaranga*, 66

Ngoni, 63

Ngoua, 12, 56

Nguni, 14, 16, 66

Ngwato, 16, 65

Niata, 70

Nicaragua Criollo, 69

*Nieder-Schwäbisch*, 34

Nigerian Fulani, 60

Nigerian Shorthorn, 60

*Nihon Tankatu Shu*, 54

*Nilo*, 18, 71

Nilotic sanga, 14, 15, 64

Nimari, 10, 49

Nioka, 65

Nipponese Improved, 54

nishi, 10, 58

Niveranis-Charolais in the Nièvre, 36

Nivernais, 36

*Nivernaise*, 3, 36

*Nivernoise*, 36

*Nizhegorod*, 33

*Nížinné černostrakatý*, 27

*Nizinne czarno-białe bydło polskie*, 28

*Nizinne czervono-białe bydło polskie*, 29

Njanja, 66

Nkasi Fipa, 15, 65

Nkedi, 15, 63

Nkiga, 15, 64

Nkone, 17, 65

*Nkuku*, 64

*Noble*, 14, 60

Noble Line, 20, 78

*Noire Pie de Meknès*, 13, 58

*Noord Hollands type*, 26

*nor*, 54

*Nordlandsfe*, 22

Norfolk and Suffolk Red Polled, 24

Norfolk Horned, 2, 24

Norfolk Polled, 24

Norfolk Red, 24

Norica-Pinzgau, 33

*Norische rasse*, 34

Norlander, 24

Norman, 31

*Normande*, 2, 3, 11, 13, 15, 16, 18, 19, 31

*Normandes des régions froides*, 30

*Normando*, 18, 72

*Normando mocho*, 18, 72

Normandy, 31

*Normanzu*, 18, 72

*Norsk Rødt Fe*, 23

*Norsk Rødt og hvitt fe*, 23

North African Shorthorn, 58

North Australian Shorthorn, 21, 73

North Bangladesh Grey, 10, 51

North Bengal Grey, 10, 51

North Caucasian, 8, 9, 52

North Devon, 30

North Finnish, 22

North Holland, 4, 26

North Italian Brown, 40

North Kirgiz, 9, 52

North Malawi Angoni, 16, 63

North Manchurian Dairy, 53

North Russian Polled, 8, 23

North Schlesvig Red, 25

North Somali Zebu, 15

North Sudan Zebu, 14, 15

North Swedish, 22

North Vietnamese Yellow, 13, 57

North Wales Black, 2, 25

Northern Blue (dual-purpose), 30

Northern Crioulo, 70

Northern Dairy Shorthorn, 2, 30

Northern Finncattle, 1, 22

Northern Province cattle, 61

Northern Riverain cattle, 61

Northern Scotch Polled, 24

Northern Territory Shorthorn, 73

Northland, 1, 22

Norwegian Mountain, 23

Norwegian Red, 1, 2, 7, 16, 23

Norwegian Red Polled, 22

Norwegian Red-and-White, 1, 23

*Nostrana*, 45

Notch-Neck, 16, 66

*NRF*, 23

Nsagalla, 64

Nsongora, 15, 64

Ntoro, 15, 64

Ntuku, 15, 64

Ntuuku, 64

Nuba Dwarf, 61

Nuba Mountain Zebu, 15, 61

Nuba Shorthorn, 15, 61

*nublang*, 52

Nuer, 15, 64

Nukra, 49

Nundi dana, 10, 51

Nuras, 16, 66

*Nutgiin Uulderiin Unee*, 53

*Nwar Pyiase*, 57

*Nyalawi*, 14, 15, 61

Nyasa Angoni, 63

Nyasa Zebu, 63

Nyasaland Angoni, 63

Nyasaland Zebu, 63

Nyoro, 15, 65

Nysiros, 7, 41

NZSHF, 73

Ober Engadin, 39

*Oberbädisches Fleckvieh*, 35

*Oberbayerisches Alpenfleckvieh*, 35

*Ober-Engadiner*, 39

*Oberhasli*, 5, 39

Oberinntal Grey, 7, 39

*Oberinntaler Grauvieh*, 39

Obermain valley, 34

Obermain valley, 4

*Obermaintaler*, 34

*Ober-und Niederbayerisches Landvieh*, 35

*Oberwalden*, 5, 39

Obstesc, 8, 40

*Ocampo*, 19, 70

Ochsenfürt, 4, 34

*Ochsenfürter*, 34

Odenwäld, 4, 32

*Odenwälder*, 32

Odessa, 8, 25

Ogaden Zebu, 14, 62

Oka, 8, 12, 33

Oka Black Pied, 8, 28

Okavango, 16, 65

Okie, 21, 73

Okouma, 16

*Okranya*, 46

Oksh, 9, 47

Okuma, 14, 65

*økvaeg*, 25

Oland, 1, 23

*Olånd*, 23

Old Franconian, 4

Old Franconian Red landrace, 34

Old Gloucester, 30

Old Norfolk, 24

Old Red Angeln, 25

Old Shorthorn, 30

Oldenburg Geest, 4, 27

*Oldenburger Geest*, 27

*Oldenburger-Wesermarsch*, 27

Oldenburg-Wesermarsh, 4, 27

*Olivestra Modicana*, 6, 45

Oman Zebu, 61

Omani Dhofari, 61

*Omby Malagasy*, 63

*Omby Rana*, 64

*OMEGA 47*, 3, 36

Ondango, 65

Ondongolo, 16, 66

Ongole, 10, 11, 12, 13, 50

*Oostelijk Roodbont*, 29

*Oostvaardersplassen Heckrund*, 5, 32

*Oost-Vlaams*, 29

*Oost-Vlaams Wit-Rood*, 29

*Opočenské červinký*, 36

Opotchno, 5, 36

*Oran*, 13, 58

*Orano-Algiers*, 58

*Ordinskaya poroda*, 52

*Oregaard*, 1, 27

Oreo Cookie, 74

*Original Allgäuer Braunvieh*, 39

*Original Braunvieh*, 39

Original German Black Pied, 26

*Original Österreichisches Braunvieh*, 39

Original Population Dairy Shorthorn, 2, 30

Original Swiss Brown, 39

*Oristanese*, 45

Orkney, 2, 24

Orma Boran, 14, 15, 62

Oropa, 35

*Ossau*, 3, 38

*Ossolaise*, 38

*Ossolane*, 6, 44

*Ost-Deutsches Schwarzbuntes Rind*, 27

Osterdal, 1, 23

*Østerdal*, 23

*Österreichisches Blondvieh*, 34

*Österreichisches Braunvieh*, 40

*Österreichisches Fleckvieh*, 35

*Österreichisches Gelbvieh*, 34

*Ostfries*, 26

*Østlandsk raudkolle*, 22

*Ostpreuzische Holländer*, 28

*Ostpreuzisches Schwarzbuntes Vieh*, 28

*Oststeirisches Fleckvieh*, 35

*Ottonese*, 6, 38

*Oudalan*, 13, 59

*Oukrainskiĭ Skot*, 46

*Oulmès Blond*, 13, 58

Oulmès-Zaërs Blond, 58

*Outa Malinke*, 59

*Ouzguitia*, 58

Ovambo, 16, 65

*Overo colorado*, 19, 72

*Ozierese*, 40

*p’ien niu*, 55

*PA*, 40

*Pabli*, 13, 59

Pabna, 10, 52

Pabna improved, 52

Pabna Milking cow, 52

Pagan, 60

Pahari, 49

*Pajuna*, 7, 44

Pakhari, 49

Pale Highland, 34

*Palingu Madu*, 51

*Pallaresa*, 7, 38

*Palmeña*, 42

*Palmera*, 7, 42

Palmer-Dunn, 20, 68

*Palurda*, 44

Pamir, 9, 48

*Pampa*, 18, 19, 71

*Pampiana*, 75

*Pampiano*, 75

*Pampiano-Braford*, 18, 75

*pamu chowri*, 55

Panda, 21, 75

Panjiang, 11, 56

Pankota Red, 30

*Pankotai vörös értéke*, 30

*Pantaneiro*, 18, 19, 70

*Pantelleria*, 6, 45

Paphos, 7, 47

Paramo Criollo, 70

*Parda Alpina*, 40

*Parda de Montaña*, 7, 40

*Parda Suiza*, 40

*Pardo Suíço*, 18, 72

*Pardo Suiço* *Corte*, 18, 76

*Pardo Suizo*, 17, 18, 19, 72

Pare, 15, 63

Parehar, 10, 50

*Parma*, 38

*Parmese*, 38

Parot Pigeon, 7, 41

Parthenais, 2, 3, 19, 36

*Parthenaise*, 3, 5, 36

Pashkov, 8, 33

*Pasiega*, 7, 42

Passei, 39

*Passeier*, 6, 39

*Pasturina*, 6, 45

Patagonian Criollo, 71

*Patcholé*, 33

Patha, 10, 50

*Patuá*, 18, 71

Pavagada, 10, 50

Paymaster, 21, 74

*payok*, 55

*Pays Sault*, 3, 38

Paznaun, 5, 39

*Paznauner*, 39

*Pé duro Crioulo*, 70

Peasantry cow, 23

Pecanite, 16, 67

Pechora, 23

*Pechorskiĭ*, 23

*Pechorskiĭ tip Kholmogorskogoskota*, 28

Pedi, 66

*Pedreiro*, 18, 70

Pee Wee, 19, 74

Peeler, 20, 68

Peloponnese, 7, 41

Peloponnesus, 41

Pemba Zebu, 15, 63

Pembroke, 2, 25

*Penates*, 43

*Peranakan Ongole*, 57

Percheron, 31

*Percheronne*, 3, 4, 31

Perdikaki Shorthorn, 7, 41

*Péricourdins*, 3

Périgourd, 38

*Périgourdins*, 38

*Perijanero*, 19, 70

Perm, 8, 23

*Perugiana*, 6, 45

Peruvian Criollo, 70

Peruvian Sierra Criollo, 70

*Pesisir*, 12, 57

Pester Busha, 7, 8, 41

*Pešterska buša*, 41

*Petite race brune de Comches*, 39

Petsjora, 8, 23

Petsjora branch of the Kholmogory, 8, 28

*Peuhl Voltaïque*, 13, 60

*Peul-Fulani*, 61

*Pezzata degli Altipiani*, 33

*Pezzata nera Italiana*, 27

*Pezzata rossa d’Oropa*, 6, 35

*Pezzata rossa Frilulana*, 35

*Pezzata rossa Italiana*, 6, 35

*Pezzata Rossa Norica*, 6, 33

Philamin, 12, 57

Philippine Native, 57

Philips, 20, 68

*Phu Yen*, 13, 57

Phule Triveni, 10, 49

*pian-niu*, 55

*Pianura delle Marche*, 45

*Picarde*, 3, 26

Picardy, 26

*Picos de Europa*, 42

*Pie Noire de Luxembourg*, 27

*Pie Noire Morbihannaise*, 3, 31

*Pie Rouge de Carhaix*, 3, 31

*Pie Rouge de l'Est*, 34

*Pie Rouge de Luxembourg*, 29

*Pie Rouge des Plaines*, 4, 29

*Pie rouge française de Montagne*, 33

Pied East Friesian, 27

Piedmont, 3, 44

Piedmontese, 19, 44

*Piedrahitense*, 43

Pieira, 7, 41

*Piemonel*, 18, 78

*Piemontês*, 18, 77

*Piemontese*, 1, 2, 4, 5, 6, 7, 8, 13, 18, 44

*Piemontese della pianura*, 44

*Piemontese ordinaria*, 6, 44

*Pie-Noir de Meknès*, 58

*Pie-noire de l’Est de la Belgique*, 27

*Pie-noire des Polders*, 27

*Pie-noire du Pays de Hervé*, 27

*Pie-rouge Ardennes-Liège*, 29

*Pie-rouge de Belgique*, 27

*Pie-rouge de l’Est de la Belgique*, 29

*Pie-rouge de la Campine*, 29

*Pie-rouge de la Flandre Orientale*, 29

*Pierre-sur Haute*, 37

*PIN*, 33

*Pinariega*, 7, 43

Pin-chou, 53

Pinchou, 53

Pinchow, 53

Pine wood, 43

*Pinerlo*, 6

*Pinerlo*, 44

Piney Woods, 68

Pineywoods, 20, 68

Pingchuan, 11, 55

Pingli, 11, 55

Pinglu Mountain, 11, 55

*Pinhero*, 43

*Piñorras*, 43

*Pintsgow*, 33

Pinzbrau, 21, 76

*Pinzgau*, 6, 33

Pinzgau beef, 4, 33

*Pinzgau de Transilvania*, 34

*Pinzgauer*, 5, 14, 16, 17, 18, 19, 33

*Pinzgauer Fleisch*, 33

Pinzgavac, 8, 33

*Pinzgave*, 33

*Pinzgavska*, 33

*Pinzger*, 33

Pinzhou, 11, 53

*Pirenaica*, 7, 38

*Pisana*, 6, 45

*Pisca*, 43

*Pitalanda*, 18, 73

*Pitangueiras*, 18, 73

Plains Garonnais, 38

Plains Piemontese, 44

Plateau type, 10, 55

*Plava akvitsanske*, 5

*Plava povardaska*, 41

Pleven, 46

Plevna, 46

*Plevne*, 46

*Plevner*, 46

*Podgorica-polje*, 32

*Podgórska*, 2, 32

Podhalaner, 5, 40

Podolian, 8, 46

Podolian Black Pied, 8, 28

Podolian land cattle, 41

Podolian Simmental, 8, 36

*Podolic Simentalac*, 36

*Podolica abruzzese di montanga*, 45

*Podolica Calabrese*, 6, 45

*Podolica Campanina*, 6, 45

*Podolica Italiana*, 45

*Podolica Lucana*, 45

*Podolica Pugliese*, 6, 45

*Podolska*, 46

*Podolsko goveče*, 46

*Podolya*, 46

*Poggese*, 45

*Pohjois-Suomalainen Karja*, 22

*Pohjoissuomenkarja*, 22

Poitevin, 37

*Poitevine*, 3, 37

Polders Black Pied, 3, 27

Polesian Marsh, 8, 40

*Polessi*, 42

Polessian, 8, 42

*Poli*, 60

Polim Busha, 7, 40

*Polimska buša*, 40

*Polimskoj Buša*, 40

Polish Black-and-White HF, 2, 27

Polish Black-and-White Lowland, 2, 28

Polish Brown, 2, 40

Polish Friesian, 28

Polish Grey, 40

Polish Highland, 32

Polish Lowland, 28

Polish Marsh, 28

Polish Red, 2, 8, 25

Polish Red Lowland, 25

Polish Red-and-White Lowland, 2, 29

Polish Simmental, 2, 35

Polish Whitebacked, 2, 28

Poll Afrikander, 16, 66

Poll Beefmaster, 20, 75

Poll Devon, 20, 73

Poll Friesian, 2, 26

Poll Hereford, 30, 73

Poll Milking Shorthorn, 20, 71

Poll Shorthorn, 2, 30

Polled Aberdeenshire, 24

Polled Albion, 20, 71

Polled Angus, 24

Polled Canchim, 78

Polled Charolais, 20, 76

Polled Chianina, 20, 76

Polled Crioulo Pereira Camargo, 70

Polled Derby, 73

Polled Durham, 20, 71, 73

Polled Gelbvieh, 20, 76

Polled Gir, 78

Polled Guzerat, 78

Polled Hereford, 5, 7, 9, 18, 19, 20, 21, 73

Polled Holstein, 20, 72

Polled Irish, 3, 24

Polled Jersey, 20, 71

Polled Limousin, 20, 76

Polled Lincoln Red, 2, 30

Polled Lithuanian land cattle, 2, 22

Polled Nellore, 78

Polled Normande, 72

Polled Salers, 76

Polled Santa Gertrudis, 20, 75

Polled Shorthorn, 19, 20, 73

Polled Simmental, 20, 76

Polled Sinú, 69

Polled Sussex, 2, 30

Polled Welsh Black, 2, 25

*Polska Czarno-biała*, 28

*Polska Czerwona*, 25

*Polska czerwono-biała*, 29

Poltavian, 46

Pomak Red, 7, 41

Pomurska, 8, 34

*Pomurska goveče*, 34

Pondo, 16, 66

Pongau, 5, 33

*Pongauer*, 33

*Pontremolese*, 6, 38

Ponwar, 10, 11, 52

Poppel, 20, 68

*Porto Amboim*, 16, 65

Portuguese Fighting cattle, 44

Portuguese Friesian, 27

PortugueseHolstein-Friesian, 27

Posavina, 7, 46

*Posavska gulja*, 46

Pothwari, 49

*Poulpulli*, 14, 61

*Prätigauer*, 39

Prednieper, 42

Prespa Dwarf, 7, 41

*Preta*, 6, 43

*Preto*, 43

*Préwakwa*, 14, 60

*Pridneprovskiĭ tip*, 42

*Prim'Holstein*, 4, 27

*Priokskaya*, 33

*Priokskaya chernopestraya*, 28

*Pritashkentskaya*, 49

*Priuralskiĭ Simmentalskaya*, 53

*Privolzhskiĭ Simmentalskaya*, 53

*Provençale*, 3, 42

Provence, 42

*Pšenična*, 34

pseudo-Sanga, 59

*PSK*, 22

Puerto Rican Criollo, 69

*Puglia*, 45

Pugliese, 45

*Pugliese del basso Veneto*, 6, 45

*Pugliesi del Veneto*, 45

*Puisaye*, 37

Puliakulam, 51

Pulikulam, 10, 51

Pullikkulam, 51

Pullikulun, 51

*Pul-M'Bor*, 14, 61

Punganoor, 10, 51

Punganur, 51

Purnea, 10, 52

*Pusteria*, 6, 33

Pustertal, 4, 5, 33

*Pustertaler*, 5, 33

*Pustertaler Schecken*, 33

*Pustertaler Sprinzen*, 33

*Puy-de-Dôme*, 37

*Pya sein*, 57

*Pyar Phu*, 12, 57

*Pyar Zein*, 12, 57

Pyrenean, 38

Pyrenean Blond, 38

*Pyrénéenne du Sud-Ouest*, 38

*Pyrénées à muqueuses roses*, 38

*Pyrénées centrales*, 38

*Pyrénées-Atlantiques*, 38

*Pyrénées-Occidentales*, 38

Qinba, 11, 55

Qinchuan, 11, 55

Qinghai Plateau yak, 11, 54

Qinghai-Tibet Plateau type yak, 11, 54

Quarra, 61

Quasah, 21, 75

Quebec Jersey, 71

*Quercy*, 3, 38

*Querigut*, 38

*Quinhentão*, 18, 71

*Quirbacher*, 34

Raabs, 5, 34

*Raabser*, 34

Rabbit Eyed Jersey, 71

*Racconigi*, 6, 44

*Race de Combat*, 4, 44

*Race de la Moyenne et Haute Belgique*, 29

*race de Mons*, 30

*Raço di Biòu*, 3, 42

*Rahadji*, 61

*Rahaji*, 61

*Rahaza*, 61

*RAM*, 42

*Rambon Bali*, 12, 58

*Rambon Banyuwangi*, 12, 57

*Rambon Madura*, 12, 58

*Rambon Madurese*, 58

Ramgarhi, 10, 51

*Ramo Grande*, 6, 43

*Rana*, 15, 64

Randall Blue, 71

Randall Blue Lineback, 71

Randall cattle, 71

Randall Lineback, 20, 71

Range Fire, 21, 77

Range Fire Composite, 77

Range Maker, 20, 77

Ranger, 20, 76

*Ras Herjeådals*, 22

*Ras van Midden- en Hoog België*, 29

*Rasa românească de munte*, 40

*Ratchtaler Schlag*, 34

Rath, 10, 49

Rathi, 10, 49

*Rathina*, 43

Rathino Mountain, 43

*Rathino Serrano*, 43

Ratini, 49

*Rätisches Grauvieh*, 39

*Raukolle Østlandsfe*, 22

Rauris, 5, 33

*Rauriser*, 33

*Rautt kollet Østlandsfe*, 22

*RAV*, 42

*Rawicka*, 2, 25

Rawicz, 25

Raya, 64

Raya Sanga, 64

Raya-Azebó, 14, 64

*Razetta d’Oropa*, 35

*razetta delle dune*, 62

*RDD*, 27

*RDM*, 25

*RDM 70*, 25

*RDM-1970*, 25

Reconstructed Aurochs, 32

Red and Yellow Moor, 4, 35

Red Angus, 2, 12, 19, 20, 21, 24, 73

Red Astrakhan, 52

Red Beef Type, 3, 26

Red Beggar, 4, 29

Red Belted Galloway, 2, 24

Red Berrendo, 44

Red Bororo, 14, 15, 61

Red Brahman, 20, 79

Red Brangus, 20, 75

Red Butana, 61

Red Charolais, 20, 76

Red Chittagong, 10, 52

Red Colonist, 8, 25

Red Crimean, 25

Red Dane, 20, 25, 72

Red Danish, 25

Red Danish Dairy 1970, 1, 25

Red Desert, 61

Red Devon, 30, 71, 73

Red East Friesian, 4

Red Finnish, 22

Red Flemish, 26

Red Fulani, 61

Red Galloway, 2, 24

Red German, 8, 25, 26

Red Gorbatov, 33

Red Hill, 32

Red Holstein, 8, 19, 20, 21, 72

Red Indo-Brazilian, 79

Red Kandahari, 10, 49

Red Karachi, 49

Red Kentshire, 21, 75

Red Longhorn, 61

Red Metohian, 7, 41

Red Mountain, 32, 38

Red Nellore, 78

*Red Norte*, 18, 76

Red North Schleswig dairy, 4, 25

Red Panda, 21, 75

Red Pied Belgian, 29

Red Pied Campine, 29

Red Pied Danish, 29

Red Pied Dual-Purpose, 4, 27

Red Pied Dutch, 29

Red Pied East Flemish, 29

Red Pied East Friesian, 4, 29

Red Pied Friesian, 4, 26

Red Pied Friuli, 35

Red Pied Holstein, 29

Red Pied Karelian, 22

Red Pied Kareliyan, 8, 22

Red Pied Landrace of Allföld, 5, 36

Red Pied Lower Rhineland, 4, 29

Red Pied Norica, 33

Red Pied Schleswig-Holstein, 4, 16, 29, 67

Red Pied South Oldenburg, 4, 29

Red Pied Swedish, 1, 23

Red Pied Valdostana, 33

Red Pied Westphalian, 4, 29

Red Poll, 2, 8, 11, 13, 15, 16, 17, 18, 19, 21, 24

Red Polled, 24

Red Polled Eastland, 1, 22

Red Polled Landrace, 22

Red Polled Ostland, 22

Red Ruby, 30

Red Sadova, 26

Red Sadovo, 7, 26

Red Sicilian, 45

Red Sindhi, 9, 10, 11, 12, 13, 14, 15, 17, 19, 20, 21, 49, 79

Red Spotted Highland, 35

Red Steppe, 7, 9, 13, 25, 53

Red Trondheim, 1, 23

Red Ukrainian, 8, 25

Red White-Russian, 25

Red Wittgenstein, 32

Red-and-White Campine, 29

Red-and-White East Flemish, 29

Red-and-White Finnish, 22

Red-and-White Friesian, 2, 26

Red-and-White Meuse-Rhine-Yssel, 29

Red-eared White, 69

red-factor Charolais, 76

RedLine, 21, 73

Red-pied Belgian, 27

Red-pied Eastern Belgian, 3, 29

*Reggiana*, 6, 38

Regus, 20, 74

*Rendena*, 6, 39

*Renitelo*, 15, 64

*Rennaise*, 3, 31

Rennes, 31

Retinta, 18, 44

*Retinta andaluza*, 7, 44

*Reyna*, 69

*RF*, 26

Rhaetian Grey, 5, 6, 39

*Rheinbayerisches Schlag*, 34

*Rheinisches Vieh*, 35

Rhineland, 4, 35

Rhodopean Shorthorn, 41

Rhodos, 7, 41

*RHV*, 32

*Ribatejana*, 44

Rigget Galloway, 2, 24

*Rigi*, 39

Ringamala, 1, 23

*Ringamåla*, 23

*Ringamilakor*, 23

Ringmala, 1

*Ringmalako*, 23

Rio Limón Dairy Criollo, 69

*Riopardense*, 18, 72

Risca, 8, 40

Ritchie, 20, 76

*Rjavo govedo*, 40

Robinson, 20, 68

*Rochefort*, 37

*Röd Kullig Boskap*, 22

*Röd Kullig Lantras*, 22

*Rödbrokig Svensk Boskap*, 23

*Rode Geus*, 29

Rodeo bucking stock, 78

*Rødkolle*, 22

Rodope Shorthorn, 7, 41

*Rodopi*, 41

Rodopska, 41

*Rodopska k’’soroga*, 41

*Rodopska kusoroga*, 41

*Rodopsko kasorogo*, 41

*Rødt Dansk Malkekvæg*, 25

*Rødt Dansk Malkerace*, 25

*Rødt Dansk Malkerace 1970*, 25

*Rødt Trønderfe*, 23

Röhn, 4, 32

Röhn-Spessart, 4, 34

*Röhn-Spessartvieh*, 34

*Röhnvieh*, 32

Rojhan, 11, 48

*Rojo convexo turdetano*, 42

*Rojo Indubrasil*, 18, 79

*Rojo Jamaicano*, 17, 18, 73

Rokschenga, 8, 23

*Romagnola*, 6, 18, 19, 21, 45

*Romagnola di montagna*, 6, 45

*Romagnola gentile*, 6, 45

Romagnola lowland, 45

Romagnola mountain, 45

Roman, 45

*Romana*, 45

Romana Red, 19, 69

*Romana Rojo*, 17, 69

RomAngus, 20, 77

Romanian Black Pied Holstein, 8, 28

Romanian Brown, 8, 41

Romanian Dwarf, 40

Romanian Grey, 8, 46

Romanian Grey Steppe, 46

Romanian Mountain, 8, 40

Romanian Pinzgau, 34

Romanian Red, 8, 26

Romanian Simmental, 36

Romanian Spotted, 8, 36

Romanian Yellow Spotted, 36

Romark, 19, 77

*Romo*, 69

*Romosinuano*, 19, 69

*rongpalang dzopoho*, 55

*Rood ras van België*, 26

*Rood ras van West Vlaanderen*, 26

*Rood Vleestype*, 26

*roodblaar*, 26

*Roodbont Dubbeldoel*, 27

*Roodbont H*, 27

*Roodbont Kempen*, 29

*Roodbont Kempisch*, 29

*Roodbont Maas-Rijn-IJsselvee*, 29

*Roodbont ras van België*, 27

*Roodbont ras van Oost Vlaanderen*, 29

*Roodbont van Oost België*, 29

*Roodbonte Fries*, 26

*Roodbont-Holstein ras van België*, 27

Roodenbos, 16, 66

*Rooi Poenskop*, 67

*Rorbottenlän*, 22

Rorbottenland, 1, 22

Roros, 1, 22

*Røros*, 22

*Roşie*, 26

*Roşie Dobrogeană*, 26

*Rosíe Estona*, 26

*Roşie Germana*, 40

*Rossa Pontremolese*, 38

*Rossa Reggiana*, 38

*Rossa Siciliana*, 6, 45

*Rot- und Gelbmohren*, 35

*Rotbunte Doppelnutzung*, 29

*Rotbunte Niederrheiner*, 29

*Rotbunte Ostfries*, 29

*Rotbunte Schleswich Holsteiner*, 67

*Rotbunte Schleswig-Holsteiner*, 29

*Rotbunte Südoldenburgische*, 29

*Rotbunte Westfälische*, 29

*Rotbuntes Niederungsvieh*, 29

*Rotem Höhenvieh*, 32

*Roter Nordschleswigscher Milchviehschlag*, 25

*Rotes Höhenvieh*, 32

*Rotfleckvieh*, 35

*Rótføroyskar Kýr*, 23

Rottal, 4, 35

*Rottaler*, 35

*Rotvieh alter Angler Zuchtrichtung*, 25

*Rotvieh Zuchtrichtung Höhenvieh*, 32

*Rouerge*, 3, 37

*Rouge de Belgique*, 26

*Rouge de l’Ouest*, 3, 29

*Rouge de la Flandre occidentale*, 26

*Rouge des prés*, 4, 31

*Rouge du Nord*, 26

*Rouge Flamande*, 26

*Rouge Type Viande*, 26

*Rouge-pie Campinoise*, 29

*Roussillon*, 3, 38

Rowzi, 65

Royal Zulu herd, 16, 66

Rozi, 65

*RSB*, 23

*Rubia andaluza*, 6, 44

Rubia Gallega, 18, 42

Ruby Reds, 73

*Rückenblessen*, 39

*Rückenscheck*, 39

*Rufa'ai El Hoi*, 61

*Rufa'ai El Sherik*, 61

*Ruggel*, 26

*Ruggelde*, 26

*Ruggeling*, 26

*Rumillienne*, 37

*Rupununi Criollo*, 19, 70

Russian Ayrshire, 8, 23

Russian Black Pied, 8, 28

Russian Brown, 40

Russian Brown-zebu, 49

Russian Friesian, 28

Russian Holstein, 8, 28

Russian Red Steppe, 8, 25

Russian Simmental, 8, 12, 36

Russian Swiss, 8, 10, 40

Russo-Siberian, 12, 52

Rustaqi, 9, 48

*Ruzizi*, 15, 65

Rwanda sanga, 64

RX3, 20, 74

SA Aberdeen Angus, 16, 67

SA Ayrshire, 16, 67

SA Beef Shorthorn, 16, 67

SA Beefmaster, 16, 67

SA Boran, 16, 67

SA Brahman, 16, 68

SA Brangus, 16, 67

SA Braunvieh, 16, 67

SA Charbray, 16, 67

SA Charolais, 16, 67

SA Chianina, 16, 67

SA Dairy Shorthorn, 16, 67

SA Dairy Swiss, 16, 67

SA *Deutsches Rotvieh*, 67

SA Dexter, 16, 67

SA Gelbray, 16, 67

SA Gelbvieh, 16, 67

SA German Red, 16, 67

SA Gir, 16, 68

SA Guernsey, 16, 67

SA Hereford, 16, 67

SA Highland, 16, 67

SA Holstein, 16, 67

SA Jersey, 16, 67

SA Kerry, 16, 67

SA Limousin, 16, 67

SA Marchigiana, 16, 67

SA Milking Shorthorn, 67

SA North Devon, 16, 67

SA Pinzgauer, 16, 67

SA Red Poll, 16, 67

SA Romagnola, 16, 67

SA Salers, 16, 67

SA Santa Gertrudis, 16, 67

SA Senepol, 16, 67

SA Simbrah, 16, 67

SA Simmentaler, 16, 67

SA South Devon, 16, 67

SA Sussex, 16, 67

SA Wagyu, 16, 67

SA Weebollabolla, 16, 67

*Saavedreño*, 18, 70

*SAB*, 23

Sabre, 20, 75

*Sabyland*, 1, 23

*Sächsische Unterrasse*, 25

Sahel zebu, 60

Sahford, 21, 75

Sahiwal, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 49

Sahrawi, 59

Saidi, 13, 61

*Saint Gironaise*, 38

*Saint Girons*, 3, 38

*Saint Poloise*, 3, 26

*Saint-Anthême*, 37

*Saintoganaise*, 37

Saintongeois, 37

*Saintongeoise*, 3, 37

*Saint-Tropez*, 42

*Sakha Ynaga*, 52

Salamanca Brindled, 43

Salem, 50

Salerford, 20, 21, 76

*Salers*, 1, 2, 3, 4, 5, 6, 7, 8, 11, 17, 18, 19, 37

Salers dairy, 37

*Salers Latier*, 3, 37

*Salers vergeade*, 3, 37

Salers whitebacked, 37

*Salinera*, 7, 44

*Salmantina*, 43

Salorn, 20, 68

*Salta*, 44

Salvadoran Criollo, 69

*Salvagnac*, 3, 37

Sambourou Fulani, 61

Samburu, 15, 63

Samos Island Dwarf, 7, 41

San Martin, 69

*San Martinero*, 19, 69

*Sanabresa*, 6, 43

Sanchori, 10, 50

Sand and heather land cattle, 4, 26

Sandeck, 2, 32

*Sandecker*, 32

Sang, 59

Sanganer, 16, 66

Sango, 15, 63

Sanhe, 11, 53

Sanjiang, 11, 55

*Sanmartiniana*, 69

Sanogai, 52

*Santa Clara*, 18, 75

*Santa Coloma*, 19, 68

Santa Cruz, 20, 70, 75

*Santa Gabriele*, 18, 73

Santa Gertrudis, 8, 9, 12, 13, 14, 16, 17, 18, 19, 20, 21, 75

*Santa Mariana*, 18, 73

Santander Hairless, 69

*Saônaise*, 31

Saônois, 31

*Saônoise*, 4, 31

*Saosnoise*, 31

*sapi Bali*, 58

*Sapi perahan Grati*, 58

*sapi utan*, 58

Sarabi, 9, 48

*saran-hainag*, 55

*Sarda*, 6, 42

*Sarda Bruna*, 6, 40

Sardinian, 42

Sardinian Brown, 40

*Sardo-Modicana*, 6, 45

*Sardo-Schwyz*, 40

*Sardo-Swiss*, 40

*Sari Alaca*, 47

*Şarkî Anadolu Kirmizisi*, 46

*Sarlabot*, 3, 31

Sauerland, 4, 32

*Sauerländer*, 32

Saugar, 10, 50

Sault, 38

*Sava*, 46

Savannah Muturu, 14, 60

Savinja Grey, 8, 40

*Savoiarde*, 6, 37

*Savoisienne*, 37

*Savoy*, 37

*Savoyarde*, 37

*Sayaguesa*, 5, 7, 43

Scanian, 1, 23

Scentes Red, 5, 30

*Scentesi Vörös*, 30

*Scheckvieh*, 35

Scheinfeld, 4, 34

*Scheinfelder*, 34

Schenkursk, 8, 28

*Schiltern*, 36

*Schlesischem Rückenschecken*, 29

*Schlesisches Rotvieh – Tiefllandschlag*, 25

*Schlesvig Marsh*, 25

*Schönhengster*, 35

Schönwäld, 4, 32

*Schönwälder*, 32

*Schwäbisch-Hall*, 34

*Schwäbisch-Haller Braunblässen*, 35

Schwalm, 4, 34

*Schwalmer*, 34

*Schwarzbunte Holstein*, 27

*Schwarzbunte Holsteiner*, 27

*Schwarzbuntes Milchrind*, 28

*Schwarzfleckvieh*, 27

Schweinfürt, 4, 34

*Schweinfürter*, 34

*Schweizer*, 39

*Schweizer Braunvieh*, 40

*Schweizer Fleckvieh*, 35

*Schweizer Original Braunvieh*, 39

*Schweizerisches Braunvieh*, 40

*Schweizerishe Holstein*, 27

Schwyz, 5, 39

*Schwyz Española*, 40

Schwyz-Zeboïd, 9, 49

Scotch Highland, 24

Scotch Shorthorn, 30

Scottish Highland, 19, 74

Scottish Highlander, 24

Scottish Shortorn, 30

Scutari, 41

*SDM-49*, 27

*SDM-65*, 27

Sechsämt, 4, 32

*Sechsämter*, 32

Sechuana, 65

See, 5, 39

*Seevieh*, 39

*Seferihisar*, 9, 48

*Ségala*, 3, 37

Ségou Fulani, 61

Sekgatla, 16, 66

seladang x Holstein-Friesian, 12, 58

*selembu*, 12, 58

Selenge, 12, 53

Selrain, 5, 39

*Selrainer*, 39

Semo, 62

Senagus, 21, 74

Senegal Fulani, 61

Senegal Zebu, 61

Senegambian Shorthorn, 14, 60

Senepol, 17, 20, 74

Sengologa, 16, 65

*Šenhengský*, 35

*Seraya Ukrainskaya*, 46

Serbian Brown, 8, 41

Serbian Busha, 8, 41

Serbian Domestic Spotted, 8, 36

Serbian Grey Steppe, 46

Serbian Pied, 36

Serbian Podolian, 46

Serenli, 64

Serere, 15, 65

*Seroukrainskaya*, 46

*Serrana*, 43

*Serraña*, 43, 44

Serrana Black, 43

*Serrana de Soria*, 7, 43

*Serrana de Teruel*, 7, 43

*Serrana Negra*, 7, 43

*Serrana Soriana*, 43

*Serrano*, 18, 42, 70

*Serrano o Montino*, 42

Sese Island, 64

Seshaga, 16, 65

Sesse Shorthorn, 15, 64

Setswana, 65

*Severnaya Kyrgyzkaya*, 52

Severnii Kirgiz, 52

*Severnyi Komolyi skot*, 23

Severo-Kirgiz, 52

*SF*, 35

Shahabadi, 10, 49

Shahjadpur, 10, 51

Shakhansurri, 10, 48

*shamdzo*, 55

Shami, 48

Shamia, 48

Shan, 12, 56

*Shan Nwar*, 56

Shandong, 55

Shangan, 16, 66

Shanghai, 11, 55

Shan-tung, 55

*Shanun Adar*, 60

*Shanun Bayaro*, 60

Sharabi, 9, 47

*Sharri Buša*, 41

Sharri Busha, 7, 8, 41

Shashi, 63

*Shauria*, 58

Shaver, 19, 77

Sheeted Galloway, 24

Sheeted Somerset, 2, 30

Sheko, 14, 62

Shendi, 15, 61

Sheperd’s breed, 40

Shetland, 2, 19, 24

Shewa, 64

Shikari, 50

Shilluk, 15, 64

Shimane, 11, 54

*Shkodra*, 41

Shkodra Red, 7, 41

Shona, 66

*Shonen*, 23

*Shorbrack*, 4, 30

Shorthorn, 8, 13, 15, 16, 17, 18, 19, 30

*Shusuku Tsuru*, 11, 54

Shuwa Arab, 14, 60

*Shuwa Arabe*, 13, 60

*Shuwa-Aral*, 14, 60

*Shvitsezebuvidnyĭ*, 49

*Shvitskaya*, 40

*Shwe Ni*, 56

*Shwe Ni Gyi*, 12, 57

*Shwe-ni-gyi*, 57

*SI*, 35

Siamese, 56

Siamese banteng, 58

Siam-Kedah, 57

Sibasa, 66

Siberian Black Pied, 12, 53

Siberian Simmental, 12, 53

Siberian White, 12, 52

*Sibirskaya chernopestraya*, 53

*Sibirskaya Simmentalskaya*, 53

*Sibirskiĭ Cherno-pestraya*, 53

*Sibirskiĭ Simmentalskaya*, 53

Siboney, 72

*Siboney de Cuba*, 17, 72

Sicilian, 45

*Siciliana Grande*, 6, 45

*Siciliana Picolo*, 6, 45

*Sidet Trønderfe*, 22

*Sidet Trønderfe og Nordlandsfe*, 22

*Siebenburgisch Steppevieh*, 46

Siegerland, 4, 32

*Siegerländer*, 32

*Sierra Criollo*, 18, 70

Sifnos Island, 7, 42

*Sikia*, 46

Sikia Chalkidiki Steppe, 46

Sikkim yak, 10, 55

Silesian Red, 2, 25

Silesian Whiteback, 2, 29

Simbirsk, 8, 30

Simbrah, 20, 78

Simbrangerford, 20, 78

*Simbrasil*, 18, 78

*Simbrasil-Cariri*, 18, 78

*Simental*, 18, 76

*Simentalska*, 35

*Simentalsko*, 36

Simford, 9, 21, 77

Sim-Luing, 3, 24

Simmalo, 21, 79

Simmental, 1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21

*Simmental d'Alsace*, 3, 35

*Simmental française*, 4, 34

Simmentaler, 5, 35

*Simmentaler Fleckvieh*, 35

*Simmental-Saanen*, 5, 35

*Simmentalskaya*, 36

Sinan, 11, 56

Sind, 49

Sindebele, 66

*Sinderolando*, 18, 72

*Sindhi*, 18, 49

*Sindi*, 79

*Sine*, 59

Singhi, 15, 62

Singida, 15, 63

Single Standard Polled Hereford, 20, 73

Single Standard Polled Shorthorn, 20, 73

Sinhala, 11, 51

*Sinú con cuernos*, 69

*Sinuano de cuernos*, 69

Siri, 10, 11, 52

Sistani, 9, 48

Sitamarhi, 49

*Siva*, 8, 39

*Siverek*, 9, 47

*Sivka iz Gorne Savinje*, 40

*Sivo govedo Dalmacije*, 41

*Sivo mestno govedo*, 46

*Sivo Stepska*, 46

*SJB*, 31

*SJM*, 27

*Skåne*, 23

Skibo, 24

Skópelos, 7, 41

*Skovrace*, 31

skunk cow, 71

Skýros, 7, 41

*Ślåska czerwona*, 25

*Śląska czerwona*, 25

Slavonian Grey Steppe, 46

Slavonian Podolian, 7, 46

Slavonian Syrmian podolic, 46

Slavonian-Syrmian Grey, 46

*Slavonski Podolac*, 45

*Slavonski Podolaz*, 45

*Slavonsko Podolsko*, 45

*Slavonsko srijemski podolac*, 45

*Slavonskopolsko*, 46

*SLB*, 27

Slovak Pied, 36

Slovakian Brown, 5, 40

Slovakian Carpathian Brown, 5, 41

Slovakian Holstein, 5, 27

Slovakian Pied, 5, 36

Slovakian Pinzgau, 5, 33

Slovakian Red, 5, 32

Slovakian Red-and-White, 36

Slovakian Simmental, 36

Slovakian Spotted, 36

Slovakian Yellow Spotted, 36

Slovakish Yellow, 36

*Slovenačko belo goveče*, 34, 40

Slovenian Brown, 8, 40

Slovenian Busha, 8, 40

Slovenian Pied, 8, 36

Slovenian Pinzgau, 33

Slovenian Red Pied, 8, 36

Slovenian Simmental, 36

Slovenian White, 8, 34

*Slovensko Lisasto govedo*, 36

*Slovensko pinzgauske*, 33

*Slovenský červený*, 32

*Slovenský hnedy*, 40

*Slovenský Holśtajnský*, 27

*Slovenský Pinzgauský*, 33

*SM*, 69

Smada, 14, 62

Smaland, 1, 23

*Småland*, 23

Small East African Zebu, 62

Small Ilocos, 12, 57

Small Sicilian, 45

*Smedje govedo*, 40

*SMR*, 28

Socotra, 9, 62

Sofia Brown, 7, 41

*Sofiĭska kafyava*, 41

*Sofioter Braunvieh*, 41

*Sokoto Goudali*, 60

Sokoto Gudali, 13, 14, 60

*Solemoise*, 30

Solognot, 37

*Solognote*, 3, 37

Solomon Red, 21, 76

*Solzerienne*, 3, 26

Somali Boran, 62

*Somba*, 13, 59

Somerset, 30

Somersetshire Sheeted, 30

Son Valley, 10, 51

Sonkheri, 10, 49

*Sooriyankattu Madu*, 10, 51

Soorthi, 49

*Sør og vestlandsvfe*, 22

Sorco, 64

Sorroia Pied, 44

*Sortbroget Dansk Malkerace 1949*, 27

*Sortbroget Dansk Malkerace 1956*, 27

*Sortbroget Jysk Malkekvæg*, 27

*Sortbroget Jysk Malkerace*, 27

*Soule*, 3, 38

South Anatolian Red, 9, 47

South Anatolian Yellow, 9

South Anatolian Yellow-Red, 47

South and Westland, 1, 22

South Arabian Zebu, 9, 14, 61

South Bravon, 20, 75

South Coast cattle, 71

South Devon, 2, 11, 14, 17, 18, 19, 21, 30

South Hams, 30

South Holland Islands, 4, 26

South Korean Holstein, 12, 54

South Malawi Zebu, 16, 63

South Poll, 20, 76

South Siberian, 52

South Styrian-Carinthian land cattle, 5, 34

South Vietnamese Yellow, 13, 57

South Wales Black, 25

South Yunnan Zebu, 56

South-eastern Hills Zebu, 62

Southern Madras, 51

Southern Red, 47

Southern Scotch Polled, 24

Southern Sudan Hill Zebu, 62

Southern Tanjore, 51

Southern Tswana, 66

Southern Ukrainian, 8, 42

Southern Woods Cattle, 68

Southern Yellow-Red, 47

Spanish Brown Mountain, 40

SpanishDutch-Friesian, 27

SpanishHolstein-Friesian, 27

Speckled Park, 19, 74

Spessart, 32

Spessart, 4

*Spessartvieh*, 32

*Spikkel*, 26

Spotted cattle of the lower Guadiana, 44

Spotted Moravian, 36

Spotted Mountain, 5, 35

Spotted Romanian, 36

Spreca, 7, 46

*Spreca-polje*, 46

*Sprečko goveče*, 46

*Sprinzen*, 33

Square Meaters, 21, 74

*SRB*, 23

*Srednerusskaya chernopestraya*, 28

*Srednezaiatiskiĭ Zebu*, 48

Srem Podolian, 8, 46

*Sremsko podolsko goveče*, 46

Ssuchona, 8, 23

*St Girons et Aure*, 38

Stabiliser, 2, 31

Stabilizer, 21, 31, 77

Stara Planina, 7, 46

*Staroplaninska ksoroga*, 46

Starotagil, 8, 28

*Steibu*, 4, 30

*Steierisches Bergscheken*, 33

*Steierisches Blondvieh*, 34

*Steierisches Braunvieh*, 39

*Steinburger Bunte*, 30

*Steirer*, 34

*Stepnoi Simmentalska*, 36

Steppe Simmental, 36

Sterzing, 5, 39

*Sterzinger*, 39

Stitary, 5, 32

*Stitarý*, 32

*STN*, 22

Stockeraur, 5, 34

*Stockeraurer*, 34

*Straplaninska kusoroga*, 46

*Streeprug*, 26

Stubai, 5, 39

*Stubaier*, 39

Styrian Blond, 34

Styrian Brown, 5, 39

Styrian Mountain spotted, 33

*Subu*, 18, 73

Sucra, 64

Sudanese Fulani, 61

Sudeten Red, 5, 32

*Sudetenvieh*, 32

*Sudetský* *červený*, 32

*Sudsteirisch Kärtnerisches Landschlag*, 34

Suffolk Golden Dun, 24

Suffolk Polled, 2, 24

*Suiá*, 18, 78

*Suiá-Missu*, 78

*Suisbú*, 18, 73

*Suizo Pardo*, 17, 72

*Suizo-zebú*, 73

Suk, 15, 63

Suksun, 8, 26

*Suksunskaya*, 26

Sukuma, 15, 65

*Sul do Save*, 66

Sumatra cattle, 12, 57

Sumatra Ongole, 12, 57

Sumava, 5, 32

*Šumavský*, 32

Sumba Ongole, 12, 57

Sumbawanga Fipa, 15, 65

Sunandini, 10, 52

Sundog, 21, 78

*Suomalainen Ayrshirekarja*, 23

*Suomen Ayrshire*, 23

*Suomen holstein-friisläinen*, 27

Supertaler, 16, 66

*Sură de Stepă*, 46

Surati, 49

Surco, 64

Surco Sanga, 64

Surgo, 64

*Surinaamse Créole*, 70

*Surinaamse Mixed Créole*, 70

Surinam Criollo, 70

Surinam Mixed Criollo, 19, 70

Surti, 49

Surug, 64

*Susa*, 6, 44

Sussex, 2, 16, 17, 18, 21, 30

Sussex new type, 2, 30

*Svensk Ayrshire*, 23

*Svensk Holstein*, 27

*Svensk Jersey*, 31

*Svensk Kullig*, 22

*Svensk Låglands*, 27

*Svensk Röd og Vit*, 23

*Svensk rödkolla*, 22

*Svensk Rödkulla*, 22

*Svetlolisata*, 34

*Svickaya*, 40

Svitsika, 7, 41

*Svitto-Sarda*, 40

*Svittto*, 40

*Svizzera*, 40

Swabian-Hall, 4, 34

Swabian-Hall Brown blazed, 4, 35

Swanta Gosu, 10, 50

Swasi, 66

Swedish Ayrshire, 1, 23

Swedish Black Pied, 2

Swedish Friesian, 27

Swedish Highland, 22

Swedish Holstein, 1, 27

Swedish Jersey, 1, 31

Swedish Lowland, 1, 27

Swedish Mountain, 4, 22

Swedish Polled, 22

Swedish Red, 23

Swedish Red & White, 2, 23

Swedish Red Polled, 1, 22

Swedish Red-and-White, 1, 2, 23

Swedish White Polled, 22

Swiss Black Pied, 27

Swiss Brown, 1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 21, 40

Swiss Holstein, 6, 27

Swiss Red Pied, 5, 6, 35

Swiss Red Spotted, 35

SwissSimmental, 35

Swiss Simmental Spotted, 35

Swiss-zebu, 49

Swona, 2, 24

Sychevka, 8, 36

Sychevka Simmental, 36

*Sychevskaya*, 36

*Sychëvskaya Simmentalskaya*, 36

*Syčovskaja*, 36

Syhyang, 55

Sykia, 7, 46

*Symentalsk*, 36

Symons cattle, 16, 66

Syrjänen, 8, 23

Szechuan, 55

*Szürke Szarvasmarhat*, 45

Szyang, 11, 55

*Tabanel*, 18, 79

*Tabapuã*, 18, 79

Tabapuan, 79

*Tachetée Dauphinoise*, 35

*Tachetée de l’Est*, 3, 34

*Tachetée noire*, 27

*Tachetée rouge du Simmental*, 35

Tadzhik Zeboïd, 9, 48

*Tadzhikskiĭ zebuvidnyiĭ*, 48

*Tagama*, 60

Tagil, 8, 28

*Tagil'skaya*, 28

Tagil-Dutch, 8, 28

Tagil-Fries, 28

Tagil-standard, 8, 28

*Taino*, 17, 69

Taita, 15, 63

Taiwan Black, 12, 56

Taiwan Yellow, 12, 56

Taiwan Zebu, 12, 56

Tajima, 11, 54

Talabda, 50

Talishi, 9, 48

Talyshi, 48

*Talyshinskiĭ*, 48

Tamankaduwa, 11, 52

Tambov Red, 8, 33

Tanaland Boran, 62

Tanganyika Shorthorn Zebu, 15, 63

Tangjiao, 11, 53

Tanjore Polled, 51

Tanyang, 11, 55

Tanzanian Shorthorned Zebu, 63

Taosi, 11

Tapi Khillari, 50

Tapti Khillari, 50

Tarahuma, 20, 68

Tarai, 10, 11, 52

Tarascon, 38

*Tarasconne*, 3, 38

*Tarbaise*, 38

*Tarbes*, 38

*Tarentaise*, 3, 7, 11, 13, 14, 15, 18, 19, 37

Tarime, 15, 63

*Tarina*, 37

*Tarqui*, 60

*Tarquinos*, 18, 73

Tashkent, 49

Tasmanian Grey, 21, 74

Tatra Dwarf, 40

*Tattabareji*, 60

*Tatu*, 18, 71

Taunus, 4, 32

*Taunusvieh*, 32

Tauricus, 16, 66

Taurien, 8, 25

*Taurin de l'Est*, 13, 60

Taurindicus, 15, 63

*Tauros*, 4, 32

*Taurus*, 4, 32

Taveta, 63

Tavoy, 56

Tawana, 65

Tawrii, 46

Taylor, 10, 52

*Teck*, 4, 35

Teeswater, 2, 30

*Tejelö magyar-barna*, 36

*Tejelö magyar-tarka*, 36

Telemark, 1, 23

*Telemarkfe*, 23

Teli, 49

Terengganu, 57

*Terraña*, 7

*Terraña de la Sierrra*, 7

Terraña Gorbea, 42

Terraña Mountain, 42

*Terreña*, 42

*Terreña de la Sierra*, 42

*Terreña gorbeana*, 7, 42

Teso, 63

Teso Zebu, 15, 63

*Tetrone*, 61

Texas Longhorn, 4, 5, 68

Texon, 20, 69

Thai, 12, 56

Thai Fighting, 12, 57

Thai Highland, 12, 56

Thai Lowland, 12, 56

Thai-Kedah, 57

Thailand Fighting Zebu, 57

Thandberg, 5, 39

*Thandberger*, 39

*Thanh-Hoa*, 13, 57

Thari, 11, 50

Tharparkar, 10, 12, 15, 50

*Therkuthi Madu*, 51

Thessaly, 7, 46

Thessaly Steppe, 46

*Thibar*, 13, 59

Thillari, 10, 50

thrabum, 10, 52

Thrace, 7, 46

Thracian, 46

thrapa, 10

Three river breed, 53

Tianzhu White yak, 11, 54

*Tiaret*, 13, 58

Tibetan Dwarf, 11, 53

Tibetan High Mountain yak, 54

*Tidili*, 13, 58

*Tiger*, 4, 35

Tigray, 64

*Tigré*, 64

Tilos Island, 7, 47

*Tinima*, 17, 69

Tinos, 7, 47

Tintern Black, 16, 66

*Tipo carora*, 70

*Tipo elipométrico*, 70

*Tipo eumétrico*, 70

*Tiroler*, 33

*Tiroler Braunvieh*, 39

*Tiroler Fleckvieh*, 35

*Tiroler Grauvieh*, 39

*Tiroler Pinzgauer*, 33

*Tirolese*, 33

Tirolian, 33

*Tla pseke*, 60

Toggenburg, 5, 39

*Toggenburger*, 39

Tolmeind, 7, 46

Tolmin Cika, 8, 33

*Tolminska Cika*, 33

Tondern, 4, 29

*Tondersche*, 29

Tonga, 15, 16, 65

Tonkaku Brown, 54

*Tonkaku Washu*, 11, 54

Tonkin Zebu, 13, 57

*topos*, 54

Toposa, 15, 62

Tornhill, 20, 68

Toro, 64

*Toro de Casta Navarre*, 44

*Toro de Lidia*, 19, 43

*Toronké Fulani*, 61

Tortona Blond, 38

Tottori, 11, 54

*Touareg*, 14, 60

*Toubou*, 13, 14, 59

*Toupouri*, 59

*Tourache*, 3, 34

*Tourgai*, 60

*Touro de Lide*, 44

Traditional Hereford, 30

Trahbum, 10, 52

*Traki*, 46

Transbaikalian, 12, 52

*Transilvaneana*, 46

*Transtagana*, 44

Transylvanian Grey, 8, 46

Transylvanian Mountain, 40

Transylvanian Pinzgau, 8, 34

*trapa*, 52

*Treignac*, 3, 37

Trengganu, 57

*Tribofe*, 72

Trichinopli,, 51

Trinidad Criollo, 69

*Tronco (Castña) Cántabrio*, 42

Trönder, 1, 23

*Trønderfe*, 23

*Tropical*, 18, 72

Tropical Dairy Criollo, 69

*Tropicana*, 18, 72

*Tropicarne*, 17, 78

*Tsagaan Tolgoit*, 53

*tsauri*, 55

Tscherdian, 8, 23

*Tscherkaskaya*, 46

Tschernomeridian, 8, 46

*Tschernomorskaya*, 46

*Tsentralnaya chernopestraya*, 28

*Tshilengue*, 16, 65

*Tsia*, 41

*Tsrveni metohjski buša*, 41

TSSH-1, 10, 49

Tswana, 16, 65

TSZ, 63

*Tucura*, 70

*Tudanca*, 5, 7, 42

Tuli, 14, 16, 21, 65

Tulim, 16, 65

*Tulus*, 61

Tuni, 64

Tunibey, 62

Tunisian Blond, 59

Tunisian Guelma, 59

Tunt, 62

*Tur*, 60

Turano-Mongolian, 52

*Turino*, 6, 27

*Turinoise*, 44

Turkana, 15, 62

Turkestan Zebu, 10, 48

*Turkestanskiĭ Zebu*, 48

Turkish Brown, 9, 47

Turkish Gray, 46

Turkish Grey Steppe, 46

Turkmen, 48

Turkmenistan Zebu, 48

*Turkmenskiĭ zebu*, 48

Turnell Reds, 30

Tux, 5, 33

*Tuxer*, 33

Tux-Zillertal, 4, 5, 33

*Tux-Zillertaler*, 33

*Tuy-Hoa*, 13, 57

*Tuzla*, 46

TX, 21, 77

*type der Zuidhollandsche eilanden*, 26

*type élévage*, 37

*type mixte*, 3, 37

*type tardif*, 3, 37

*type viande*, 3, 37

Tyrol Grey, 1, 2, 5, 7, 8, 9, 39

Tyrol Grey-brown Mountain, 4, 39

Tyrol Spotted, 35

Tyrolean Grey, 39

Tyrolese, 5, 33

Tyrolese Brown, 5, 39

Tyrolese Fleckvieh, 5, 35

Tyrolese Pinzgauer, 5, 33

Tyrone Black, 2, 24

*U Riu*, 13, 57

*Übertrauer*, 33

*Uckermärker*, 4, 36

Ugogo, 15, 63

Ugogo Grey, 63

Ugogo Zebu, 63

Ugoi, 15, 65

Ujumqin, 11, 53

Ukamba, 63

Ukraine Holstein selection Canadian, 8, 28

Ukraine Holstein selection European, 8, 28

Ukrainian Beef, 8, 42

Ukrainian Beef Synthetic, 42

Ukrainian Black Pied, 8, 28

Ukrainian Carpathian Brown, 8, 41

Ukrainian Dairy Red, 8, 25

Ukrainian Grey, 2, 8, 46

Ukrainian Grey Steppe, 46

Ukrainian Meat, 42

Ukrainian Oldenburg, 28

Ukrainian Pinzgau, 8, 33

Ukrainian Red Pied, 36

Ukrainian Red-and-White, 8, 36

Ukrainian Simmental, 8, 36

Ukrainian Whitebacked, 8, 40

Ukrainian Whiteheaded, 8, 28

Ukrainian-Podolian Black Pied, 28

Ukrainian-Polish Red, 8, 25

*Ukrainska Belogolovaya*, 28

*Ukrainska cherno-ryaba*, 28

*Ukrainska chorno-ryaba*, 28

*Ukrainska Krasnaya*, 25

*Ukrainska krasnaya-ryaba*, 36

*Ukrainskaya chernopestray*, 28

*Ukrainski Simmentalskaya*, 36

*Ultimo*, 6

*Ultinger*, 39

*Ultner*, 39

Umatwara, 10, 50

Umbalachery, 10, 51

Umblacherry, 51

Umblachery, 51

*Umbororo*, 61

Unguja Shorthorn, 15, 63

Unicoloured Red-brown East Friesian, 4, 25

*Unterinntaler Fleckvieh*, 35

Uollega, 64

Upper and Lower Bavarian land cattle, 4, 35

Upper Baden Spotted, 35

Upper Bavarian Spotted, 35

Upper Swabian Spotted, 35

Ural Black Pied, 8, 28

Ural Simmental, 8, 53

*Ural'skaya chernopestraya*, 28

*Uri*, 5, 39

*Urla*, 9, 47

*Urt*, 3, 38

Uruguayan Criollo, 71

*ushu dzomo*, 55

*ushu dzopho*, 55

Ushuaia Wild, 71

Usuk, 15, 63

Usuku, 63

*Uysbees*, 16, 66

Vaalhaiz, 16, 66

*Vacas Molares*, 43

*vache ordinair*, 64

*vache royale*, 64

*Vaderlanders*, 16, 66

Vadhial, 49

Vadhiyar, 10, 50

Vadhyal, 10, 49

Vagadia, 50

*Val di Chiana*, 6, 45

Valachian Dwarf, 2, 5, 40

*Valais*, 33

*Valašský*, 40

*Valdarno*, 6, 45

Valdostana, 18

*Valdostana castana*, 6, 33

*Valdostana pezzata nera*, 6, 33

*Valdostana Pezzata Nera e Castana*, 33

*Valdostana pezzata nera-castana*, 6, 33

*Valdostana pezzata rossa*, 6, 33

*Valdostana pezzati nero-castani*, 33

*Valdotaine chatagnée*, 33

*Valdotaine pie-noire*, 33

*Valdotaine tachetée noire*, 33

*Valdres*, 1, 23

*Valle de Cauca*, 69

*Valle del Taro*, 38

*Valle Grande Criollo*, 18, 70

*Vallecaucana*, 69

Valley Chianina, 45

*Valognaise*, 3

*Valognaise*, 31

*Valtarese*, 6, 38

*Valtellina*, 6, 39

Vane, 1, 23

*Väneko*, 23

*Variedad de Soria*, 43

*Variedad musculosa*, 42

*Varzese*, 6, 38

Varzese – Tortonese - Ottonese, 38

*Varzese o Tortonese o Ottonese*, 38

Vatakari, 51

Vatani, 10, 48

Vattakari, 10, 51

Vaynol, 2, 24

Vechur, 10, 51

Velásquez, 70

Veldmaster, 16, 66

*Velikokavkazskaya*, 47

*Velikokavkazskiĭ*, 47

Venda, 66

*Vendée maraîchin*, 37

Vendée Marsh, 37

Vendéen, 36

*Vendéenne*, 3, 36

*Vendée-Parthenay*, 36

Vendonnais, 37

*Vendonnaise*, 3, 37

Veneto, 45

Venezuelan Zebu, 79

*Venna Madu*, 10, 51

*Verbeterd Roodbont*, 29

*Verbeterd Roodbont Vleesras*, 29

*Verinesa*, 6, 43

*Vesterboelle*, 1, 27

Vestland Fjord, 23

Vestland Red Polled, 22

*Vestlandsk Fjordfe*, 23

*Vestlandsk Raudkolle*, 22

*Veurne-Ambacht*, 3, 26

*Vianesa*, 7, 43

Vice, 20, 68

Victoria, 20, 75

Vietnam Yellow, 57

Viking Red, 1, 2, 31

*Vilarinhos*, 43

village cattle, 48

*Villardaise*, 37

*Villard-de-Lans*, 3, 37

Vintschau, 39

*Vintschauer*, 6, 39

Vit, 46

Vivardais, 37

*Vivardaise*, 3, 37

*Vlaams Rood*, 26

*Vlaams Roodvee*, 26

Vladimir, 8, 28, 33

Vogelsberg, 4, 32

Vogelsberg Red, 32

*Vogelsberger*, 32

*Vogesen*, 32

*Vogesenrind*, 32

Vogtland Red, 4, 32

*Vogtländer Rotvieh*, 32

*Vogtländisches Rotvieh*, 32

*Voigtländer*, 32

Volga Simmental, 8, 53

*Vollmauer*, 33

Volmau, 4, 33

Volynsk, 8, 42

*Volynskaya*, 42

Vorarlberg Brown, 5, 39

Vorarlberg Grey-brown Mountain, 5, 39

*Vorarlberger Braunvieh*, 39

*Vorarlberger Graubraunes Gebirgsrind*, 39

Vorderwäld, 4, 32

*Vorderwälder*, 32

Vosges, 32

*Vosgienne*, 3, 4, 5, 32

*VR*, 29

*VRV*, 29

Vychegda-Vym, 23

Vychegdo-Vym, 8, 23

*Vychegodsko Vymskaya*, 23

Wachagga, 63

Wadai Dinka, 15, 64

Wadara, 60

*Wadawa*, 14, 60

Wadhiar, 50

Wadhir, 50

Wadial, 50

Wagad, 50

Wagyu, 3, 4, 5, 11, 54

Wakamba, 63

*Wakwa*, 14, 60

Waldais, 8, 23

Waldeck, 4, 32

*Waldecker*, 32

*Wäldervieh*, 32

*Waldholm*, 1, 23

Waldviertel Blond, 5, 34

*Waldviertler Blondvieh*, 34

Wallega, 64

*Wäller*, 32

Walsertal, 5, 39

*Walsertaler*, 39

Wangus, 20, 77

Wannan, 11, 56

Wanniu, 11, 55

Warwickshire, 2, 30

WAS, 59

Wassie Fish, 20, 68

Watende, 15, 63

Watson, 20, 76

Watusi, 4, 5, 64

WBS/Highland X, 3, 24

Weebollabolla, 21, 73

Weebollabolla Shorthorn, 73

Weida, 4, 32

*Weidaer*, 32

*Weissgurten*, 39

*Weliko russkaja poroda*, 28

Wels Spotted, 5, 33

Wels Tyrol, 39

*Welsche*, 33

*Welschtirol*, 6, 39

*Welser Schecken*, 33

Welsh Black, 2, 4, 15, 17, 21, 25

Wenling Humped, 11, 56

Wenshan, 11, 56

Werschnedwina, 8, 28

Werschowen, 8, 41

*Wesermarsch*, 27

Wesermarsh, 4, 27

Wesselsvlei, 16, 66

West African Shorthorn, 13, 14, 59

West African Zebu, 60

West Bengal, 51

West Coast Fjord, 23

West Coast Red Polled, 22

West Finnish, 22

West Flemish Red, 3, 26

West Galizian-Carpathian, 5, 40

West Highlander, 24

West Macedonian, 7, 41

West Sanga, 16, 65

West Siberian, 12, 52

*Westergaard*, 1, 27

Western Baggara, 61

Western Finncattle, 1, 22

Western Fjord, 1, 23

Western North Somali Zebu, 15, 62

Western Province Zebu, 15, 63

Western Red, 29

Western Red Polled, 22

Western Simmental, 36

*Westerwälder*, 32

*Westfälisches Rotvieh*, 32

Westland Fjord, 23

Westland Grey Möre, 1, 23

Westland Horned, 23

Westland Polled, 22

Westland Red Polled, 1, 22

Westphalian Red, 4, 32

*West-Vlaams*, 26

*West-Vlaams Rood*, 26

Westwäld, 4, 32

Whipsnade, 2, 24

White Bali cattle, 12, 58

White Bororo, 61

White Cáceres, 44

White Fellata, 61

White Forest, 24

White Fulani, 13, 14, 61

White Galloway, 2, 24

White Horned, 24

White Kano, 61

White Lake Chad, 59

White Lamphun, 57

White Lumpoon, 13, 57

White Meuse and Schelde, 29

White Nile Kenana, 15, 61

White Park, 2, 24

White Po, 45

White Polled, 24

White Sanga, 13, 60

White Sheeted Somerset, 30

White Sindhi, 11, 50

White Umboroa, 61

White Welsh, 2, 25

Whitebacked, 39

Whitebacked, 6

Whitebacked Swiss Brown, 39

Whitebred Shorthorn, 2, 30

Whiteface, 73

Whiteheaded Colonist, 28

White-middled Galloway, 24

White-Russian Red, 25

*Wienlandschlag*, 34

*Wienveirtler*, 34

Wijtegras, 8, 23

Wild White, 24

*Wilna*, 2, 25

Wilseder Red, 4, 24

*Wilseder Rote*, 24

*Wilstermarscher*, 29

Wilstermarsh, 4, 29

Winam, 15, 63

Wipptal, 5, 39

*Wipptaler*, 39

*Witblauw ras van België*, 29

*Wit-blauw ras van Henegouwen*, 29

Witchita Wildlife Refuge, 20, 68

*Witgensteiner*, 32

*Witrik,* 1, 4, 26

*Wit-Rood Oost-Vlaams*, 29

*Witrood ras van België*, 29

*Wit-rood ras van Oost Vlaanderen*, 29

*Witrug*, 26

*Witruggel*, 26

Wittgenstein Blazed, 4, 32

*Wittgensteiner Blässvieh*, 32

Woburn, 24

Wocheind, 7, 46

*Wodabe*, 14, 61

Wokalup, 21, 75

Wokalup Multi breed, 75

Wollega, 64

Wollo Highland, 14, 62

*Woodabe*, 61

Woods, 20, 68

Wright, 20, 68

Wudi Black, 55

Wuling, 11, 56

Württemberg Brown, 4, 39

Württemberg Spotted, 4, 35

*Württemberger Fleckvieh*, 35

*Württembergisches Braunvieh*, 39

Wuzhumqin, 53

*Wytrêch*, 26

Xiangxi, 11, 56

Xiaohe, 11

*Xingu*, 18, 72

Xinjiang Brown, 11, 53

Xishuangbanna, 11, 56

Xizhen, 11, 55

Xosa, 16, 66

Xuanhan, 11, 55

Xuwen Humped, 57

*Yacumeño*, 18, 70

Yak (domestic), 9, 10, 54

*Yakanaji*, 14, 61

*Yakanape*, 61

Yakmac, 20, 79

yakow, 10, 11, 12, 55

*yakpo*, 54

Yakut, 12, 52

*Yakutskiĭ skot*, 52

Yalavou, 21, 76

Yanbian, 11, 54

Yangba, 11, 53

yanka, 10, 52

yankum, 10, 52

Yardong, 11, 54

Yaroslav, 28

Yaroslavl, 8, 12, 28

*Yaroslavskaya*, 28

Yates, 20, 68

Yellow Afrikander, 16, 66

Yellow Dane, 20, 71

Yellow Franconian, 4, 34

Yellow Highland, 34

Yellow Pied, 9, 47

Yemeni Zebu, 9, 62

*Yerli Güney Sarisi*, 47

*Yerli Kara*, 46

*Yerli Sari*, 47

*Yola*, 14, 60

Yola Gudali, 14, 60

Yorkshire, 2, 30

*Yoshi Tsuru*, 11, 54

*Yper*, 26

Yugaslav Steppe, 46

Yugoslav Brown, 41

Yugoslav Pinzgau, 33

Yugoslav Simmental, 36

Yunba, 55

Yunnan High-hump, 56

Yunnan Humped, 56

Yunnan Zebu, 11, 56

Yurino, 8, 33

*Yurinskaya*, 33

*Yuzhnoukrainskaya*, 42

Zambia Angoni, 63

*Zamoraña*, 43

*Zand- en heidevee*, 26

Zanzibar Zebu, 15, 63

Zaobei, 11, 56

Zaosheng, 11, 55

*Zaparozhye*, 25

Zaporiz, 8, 25

Zarizyner, 8, 52

Zavot, 9, 47

*Zéa*, 41

*zebkyo*, 55

*Zébu Arabe*, 14, 60

*Zébu Bororo*, 61

*Zébu de Kaarta*, 14, 61

*Zébu de Maurice*, 16, 64

*Zébu de Sokoto*, 60

*Zebú leiteiro de Uberaba*, 18, 78

*Zébu Malgache*, 15, 16, 63

*Zebú Mocho*, 79

*Zébu Peul*, 13, 60

*Zébu Peul blanc*, 61

*Zébu Peul de Macina*, 14, 61

*Zébu Peul de Ségou*, 14, 61

*Zébu Peul nigérien*, 14, 60

*Zébu Peul Sambourou*, 14, 61

*Zébu Peul sénégalais*, 61

*Zébu Peul soudanais*, 13, 14, 61

*Zébu Toronké*, 14, 61

*Zemour*, 13, 58

Zetland, 24

Zhaotong, 11, 56

Zhongdian, 11, 54

*zhopkyo*, 55

Zhoushan, 11, 56

*zhum*, 55

Zillertal, 5, 33

*Zillertaler*, 33

Znamensk, 8, 42

*Znamenskaya*, 42

*zomo*, 55

*zopkio*, 55

Zubairi, 48

*Żubroń*, 2, 79

Zufari, 9, 61

*Zulawischses Rind*, 28

Zulawka, 2, 28

*Żulawka*, 28

*Żulawski*, 28

Zulu, 16, 66

*zwartblaar*, 26

*Zwartbont Fries-Hollands*, 26

*Zwartbont HF*, 27

*Zwartbont ras van België*, 27

*Zwartbont ras van de Polders*, 27

*Zwartbont ras van het land van Hervé*, 27

*Zwartbont ras van Oost België*, 27

*Zwartbont-Holstein ras van België*, 27

*Zwartwitkop*, 26

Zwazi, 16, 66

*Zyryanka*, 23