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1.4(1.1)*; Odessa Ukr (1); Plock Pol 0.1*; Rome It (0.1)*; Rostock Ge 2.1; Rostov Rus 0.1; Termez Uzbek 2; Veszprem Hun 1.1*.

KIANG *Equus kiang* RARE

Berlin TP Ge 1.0*; Moscow Rus (1.0); Munich Ge 1.1*; Riga Lat 1.0*; San Diego WAP USA 1.0*.

***SOMALI WILD ASS** *Equus africanus somaliensis* IUCN(E)

Berlin TP Ge 1.1*; Berlin ZG Ge 1.0*; Nuremberg Ge 1.0; Oberwil Switz 1.0.1(1)*; San Diego WAP USA 1.0*.

GRANT'S ZEBRA *Equus burchelli boehmi*

Total bred: 51.65.15(2.11.3) in 65 collections. M.

DAMARA ZEBRA *E. b. antiquorum*

Berlin ZG Ge 0.1*; Blackpool GB 0.1; Bristol GB 1.0; Burford GB 0.1; Christchurch OP NZ 1.1; Cincinnati USA 1.0; Duisburg Ge 5.3*; Dvur Kralove Czech 1.4*; Erfurt Ge 1.1*; Gelsenkirchen Ge 1.1; Heidelberg Ge 0.1*; Krefeld Ge 1.0; Melbourne Austral 1.0*; Milwaukee USA 1.0*; Montpellier Fr 0.1.2; Odense Den 1.0; Planckendael Bel 0.2(0.1); Quebec Can 1.1*; Rhenen Ne 0.1; Rotterdam Ne 1.0; Sioux Falls USA 1.2(1.0).

CHAPMAN'S ZEBRA *E. b. chapmani*

Anneville Fr 1.0*; Berlin TP Ge 1.0.1(1)*; Bojnice Slovakia 2.0.1(1.0.1)*; Bratislava Slovakia 1.2; Brno Czech 1.1*; Chard GB 0.1*; Dvur Kralove Czech 3.1(1.0)*; Hoyerswerda Ge 0.1; Kings Mills USA 2.0; Kushirop Jap 1.0; Liberec Czech 2.1*; Marwell GB 0.2(0.1)*; Olomouc Czech 0.1*; Rheine Ge 0.1*; Taipei Tai 1.1; Wakayamaken Jap 3.4(1.0)*; Werribee Austral 2.4(0.1)*; Zurich Switz 1.2*.

MANELESS ZEBRA *E. burchelli ssp*

Dvur Kralove Czech 0.3(0.1)*; Wrocław Pol 1.1(0.1).

***GREVY'S ZEBRA** *Equus grevyi* IUCN(E)

Askaniya-Nova Ukr (1.0); Banham GB 1.1*; Brownsville USA 0.1*; Colorado USA 1.1*; Dvur Kralove Czech 2.4(0.2)*; Frankfurt Ge 0.2*; Hamburg Ge 1.2; Leipzig Ge 1.0*; Los Angeles USA (1.1)*; Magdeburg Ge (0.1)*; Marwell GB 1.0*; Miami MZ USA (1.0); NY Bronx USA 1.0*; NY Bronx SCWCC USA 0.1*; Oberwil Switz 2.0(1.0)*; Ostrava Czech 1.1; Phoenix USA 0.1; Romanèche-Thorins Fr 0.1*; Royan Fr 2.0(1.0)*; Sacramento USA 0.2(0.1); St Louis USA 1.1*; Stuttgart Ge 1.0*; Taipei Tai (1.0); Tyler USA 1.0*; Whipsnade GB 0.1.

***HARTMANN'S MOUNTAIN ZEBRA**

Equus zebra hartmannae IUCN(V)

Berlin TP Ge 0.1*; Kawasaki Jap 0.1; Marwell GB 2.0*; Munich Ge 0.2; Prague Czech (0.1); Usti Czech 2.4*.

ZEBRA HYBRID

E. b. boehmi × *E. z. hartmannae*

Litchfield Park USA 1.0.

***BAIRD'S TAPIR** *Tapirus bairdi* IUCN(V)

Columbus USA 1.0; Miami MZ USA 0.1*; Santa Barbara USA (0.1)*.

***MALAYAN TAPIR** *Tapirus indicus* IUCN(E)

Chiengmai Thai 1.0; Fukuoka Jap 0.1*; Marwell GB 0.1*; Memphis USA 0.1*; Miami MZ USA 0.1*; Minneapolis USA 0.1*; Mulhouse Fr 1.0*; Nagoya Jap 0.1; Nuremberg Ge (1.0)*; Oklahoma USA 0.1*; Philadelphia USA 0.1*; San Diego USA 2.0*; Toronto Can 0.1*; Twycross GB (1)*.

***MOUNTAIN or WOOLLY TAPIR** *Tapirus pinchaque* IUCN(V)

Los Angeles USA (1.0.1)*; San Diego USA 1.0*.

SOUTH AMERICAN TAPIR *Tapirus terrestris*

Adelaide Austral 1.1*; Bokesbourne GB 0.1*; Belo Horizonte Braz 0.1; Brasilia Braz 0.1.1; Chester GB 1.0*; Chicago Br USA 1.0*; Chicago LP USA 0.1*; Chimbent Kazak 1.0; Cleveland USA 1.0*; Dortmund Ge 1.0*; Dresden Ge 0.1*; Dudley GB 1.0*; Gelsenkirchen Ge 1.0.1(1); Hamburg Ge 1.0*; Johannesburg SA 1.0; Kaunas Lith 0.1*; Kiev Ukr 1.0; Knoxville USA 0.1; Los Angeles USA 0.1*; Magdeburg Ge 1.1(1.0)*; Medellin Col 1.1; Melbourne Austral 1.0*; Naples It (0.1)*; Paignton GB (1)*; Phoenix USA 0.1*; Plock Pol 0.1; Pretoria SA (1.0)*; Ramat Gan Is 1.0; Riga Lat 0.1*; Rio de Janeiro Braz 1.0; San Diego USA (1.0)*; Santiago Chile 0.1; Sapucaia do Sul Braz 2.0*; Shanghai China 1; Sorocaba Braz 1.0; Southport GB 1.0*; Tripoli Libya (1.0); Tucson RP USA 1.0; Twycross GB 1; Tyler USA 0.1*; Wichita USA (1.0); Wuppertal Ge 0.1*; Zurich Switz 2.0*.

***INDIAN RHINOCEROS** *Rhinoceros unicornis* IUCN(E)

Kanpur Ind (1.0); Philadelphia USA 1.0; San Diego WAP USA 1.0*; Stuttgart Ge 0.1*; Toronto Can 0.1*; Whipsnade GB 1.0.

SOUTHERN WHITE or SQUARE-LIPPED RHINOCEROS

Ceratotherium s. simum RARE

Dubbo Austral (0.1); Hilvarenbeek Ne 1.0; Jacksonville USA 1.0; Katowice Pol (1.0); Knoxville

USA 0.2.1(0.1); Lichtenburg SA 1.0; Memphis USA 1.0; Ramat Gan Is 1.0; San Diego WAP USA 1.0*; Usti Czech 1.0; Wakayamaken Jap 0.1*; Yulee USA 0.1.

***BLACK RHINOCEROS** *Diceros bicornis*
IUCN(E)

Berlin ZG Ge 0.2; Chester GB 0.1*; Chicago Br USA 0.1; Dvur Kralove Czech 2.0*; Frankfurt Ge 0.1; Hiroshima Jap 0.1; Lymgne GB 2.0(1.0); St Louis USA 1.0; San Francisco USA 1.0; Wichita USA (0.1).

ARTIODACTYLA

BUSH PIG or RED RIVER HOG

Potamochoerus porcus
Duisburg Ge 2.8(2.5)*.

WILD BOAR *Sus scrofa*

Total bred: 80.73.188(24.25.62) in 35 collections. M.

JAPANESE WILD BOAR *S. s. leucomystax*

Amagiugashima Jap 10.16(2.6); Hiroshima Jap 1.3*; Sendai Jap 3(1).

***RYUKYU WILD BOAR** *S. s. riukiuanus*

IUCN(V)
Osaka Jap (3.2); Tokyo IPZ Jap 2.2.

WART HOG *Phacochoerus aethiopicus*

Bloemfontein SA (1.0)*; Columbus USA 2.2(1.0); Johannesburg SA (1.0.2); Lichtenburg SA 15*; Little Rock USA 2.0(1.0); Los Angeles USA 3.6.1(1.3.1)*; Potgietersrus SA 15(4)*; Warsaw Pol 1.1.1(1).

***BABIRUSA** *Babyrousa babyrussa* IUCN(V)

Antwerp Bel 2.2; Jersey GB 1.1(1.0)*; Lymgne GB (2)*; St Louis USA 0.2; Stuttgart Ge 0.2*.

WHITE-LIPPED PECCARY *Tayassu pecari*
(= *albirostris*)

Antwerp Bel 2.0; Berlin ZG Ge 2.2(1.0); Brasilia Braz 6*; Lima Peru 12(4)*; Rio de Janeiro Braz 0.2; Tuxtla Mex 12.

COLLARED PECCARY *Tayassu tajacu*

Arnhem Ne 2; Barquisimeto Ven 4.3(2.2); Brasilia Braz 3; Bristol GB 4(3); Buffalo USA 1.3; Detroit USA 2.2(2.0); Edinburgh GB 0.3.2(0.2.2); Fort Worth USA 3; Gainesville USA 0.2; Ito Jap 1.0.4(1.0.2); Jerez de la Frontera Sp 2(1); Kingston Jam 7; Lima Peru (1); Lodz Pol 0.2; Madrid Sp 5.2.4(5.0); Magdeburg Ge 3.2; Marwell GB 0.1.6(2); Medellin Col 1.0; Munster Ge 4.1.1(1.1.1); Phoenix USA 1.3(1.0); Rabat Maroc 11(7); Rio de Janeiro Braz 1.0.8(2); St Felicien Can 1.0; Sao Paulo Braz 3.2; Sapucaia do Sul Braz 10; Stuttgart Ge 9(2); Toulouse Fr 1.2; Tucson ADM USA 1.1; Tulsa USA

2.1(1.0); Tunis Tunisia 1.2; Tuxtla Mex 23; Wuppertal Ge 4.1. M.

HIPPOPOTAMUS *Hippopotamus amphibius*

Abu Dhabi 0.2(0.1); Adelaide Austral 0.1; Alma-Ata Kazak (1); Amsterdam Ne (1.0); Bangkok Thai 1; Barcelona Sp (1); Barquisimeto Ven 0.1; Belo Horizonte Braz 1.0*; Bloemfontein SA 1.0; Bombay Ind 0.1; Budapest Hun 0.1*; Calgary Can (1)*; Chiangmai Thai 0.2; Cologne Ge 1.0; Copenhagen Den 0.1*; Dubbo Austral 0.1*; Emmen Ne 0.1*; Fukuoka Jap 0.1; Gelsenkirchen Ge 0.1; Granby Can 0.1; Hanover Ge (1.0)*; Kaliningrad Rus 1; Karlsruhe Ge (1.0); Knoxville USA (1); Leipzig Ge 0.1*; Madras Ind 1.0.1*; Madrid Sp 1.1(0.1)*; Munich Ge (1.0)*; Naples It (0.1); Ostrava Czech 1.0; Pastrengo It 0.1; Pretoria SA (1.0.1); Ramat Gan Is 5(4)*; St Louis USA 0.2(0.1); Taipei Tai 0.2(0.1); Tripoli Libya 1.0; Wakayamaken Jap 0.1*; Werribee Austral (1)*; Yangon Myan 0.1; Zurich Switz 0.1*.

***PYGMY HIPPOPOTAMUS** *Choeropsis*
liberiensis IUCN(V)

Aalborg Den 0.1; Atina It 0.1; Berlin TP Ge 0.1; Bratislava Slovakia 1.0; Brownsville USA 2.0*; Colombo SL 0.1; Duisburg Ge 1.1; Dvur Kralove Czech 0.2*; Edinburgh GB 0.1*; Hoyerswerda Ge (0.1); Kaunas Lith 1.0*; Lichtenburg SA 0.1*; Madras Ind 1.0.1*; Munster Ge (0.1); Potgietersrus SA 1.0*; Poznan Pol 1.1(0.1); Pretoria SA (1.0)*; Rome It 1.1(1.0); Taipei Tai (0.1); Whipsnade GB 1.2(1.1).

LLAMA *Lama glama*

Total bred: 146.135.13(10.15.9) in 131 collections. M.

GUANACO *Lama guanicoe*

Total bred: 76.55.12(8.6.4) in 63 collections.

ALPACA *Lama pacos*

Total bred: 51.40.10(14.3.4) in 34 collections.

***VICUGNA** *Lama vicugna* IUCN(V)

Berlin TP Ge 1.0; Frankfurt Ge 1.1; Hanover Ge (0.1); Lima Peru 1.2; London ZSL GB (0.1); Marwell GB (0.1); Stuttgart Ge 0.1; Zurich Switz 2.4. M.

LLAMA HYBRIDS *L. guanicoe* × *L. glama*
Kishinev Mol 0.1.

L. vicugna × *L. glama*
Halle Ge 1.0*.

ARABIAN CAMEL or DROMEDARY

Camelus dromedarius

Total bred: 12.9.1(2.2) in 15 collections.