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KULAN or TURKMENIAN WILD ASSE. h. kulan* IUCN(E)

Askaniya-Nova Ukr 7.7(2.3); Bojnice Slovakia 0.1; Chemnitz Ge 1.0; Gdansk Pol 1.0; Krakow Pol (1.1); Marwell GB 2.0.1(1)*; Nikolaev Ukr (2.0); Plock Pol 0.1*; Prague Czech 2.0(1.0)*; Rostock Ge 1.1(1.0)*; Tallin Est (0.1)*.

***KIANG *Equus kiang* (*Equus hemionus holderi*)**

IUCN(V)

Berlin TP Ge 1.2(0.2)*; Moscow Rus (1.0); Prague Czech 0.1*; Riga Lat 2.2*.

AFRICAN WILD ASS *Equus africanus

IUCN(E)

Chonburi Thai (1).

SOMALI WILD ASS *E. a. somaliensis*

Oberwil Switz 0.2*; San Diego WAP USA 1.0*.

GRANT'S ZEBRA *Equus burchelli boehmi*

Total bred: 61.55.16(7.5.6) in 58 collections. M.

DAMARA ZEBRA *E. b. antiquorum*

Adelaide Austral 1.0*; Barcelona Sp 2.1(1.1)*; Berlin ZG Ge 0.1*; Blackpool GB 0.1; Burford GB 2.0*; Cologne Ge 1.1*; Doswell USA 0.2; Duisburg Ge 2.2(1.0)*; Dvur Kralove Czech 0.2(0.1); Erfurt Ge 0.1; Hamburg Ge 1.0*; Hodenhagen Ge 1.0; Kansas USA 2.2*; Kings Mills USA 2.0; Krefeld Ge 1.0*; Marwell GB 1.0*; Melbourne Austral 0.1*; Milwaukee USA 1.0*; Montpellier Fr 1.1.1; Nagoya Jap (0.1)*; Odense Den 1.0*; Planckendael Bel 1.1; Quebec Can 0.1*; Rhenen Ne (0.1); Rio de Janeiro Braz 0.1; Rotterdam Ne 2.0*; San Antonio USA (1)*; Schwerin Ge (1.0)*; Seattle WP USA 0.1*; Sioux Falls USA 2.0(1.0); Taipei Tai 1.2(1.0)*.

CHAPMAN'S ZEBRA *E. b. chapmani*

Amneville Fr 0.1; Askaniya-Nova Ukr 1.2(0.2); Berlin TP Ge 0.1*; Bojnice Slovakia 0.1; Bratislava Slovakia 0.2; Brno Czech 1.0; Chimkent Kazak 1.0; Dvur Kralove Czech 0.3; Eskilstuna Swed (0.1)*; Hoyerswerda Ge 0.1*; Kessingland GB 1.0*; Kushiro Jap 1.1; Landau Ge (1.0)*; Liberec Czech 3.2(0.1); Nikolaev Ukr 0.1; Olomouc Czech 2.0*; Pilsen Czech 2.1(1.0)*; Rheine Ge 1.0*; Riga Lat 0.1*; Wakayamaken Jap 1.1(1.0)*; Werribee Austral 1.4*; Wroclaw Pol (1.0); Zurich Switz 2.1*.

MANELESS ZEBRA *E. burchelli* ssp

Wroclaw Pol 1.0.

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

Amersfoort Ne 0.1; Banham GB 1.0*; Berlin TP Ge 1.0*; Berlin ZG Ge 1.0; Chiba Jap 0.1; Denver USA 1.1(1.0)*; Dvur Kralove Czech 2.5(1.1); Frankfurt Ge 0.1.1(1)*; Hamburg Ge 1.0; Hilvarenbeek Ne 1.1*; Leipzig Ge 1.0*; Los Angeles USA (0.1)*; Marwell GB 0.1*; Miami MZ USA 0.1; Mulhouse Fr 1.0; NY Bronx SCWCC USA 4.2*; Oberwil Switz

(1.1)*; Oklahoma USA 1.0*; Phoenix USA (1.0.1); Poznan Pol 1.1*; Prague Czech (1.0); Royan Fr 1.0*; Sacramento USA (1.0)*; St Louis USA (0.1)*; St Paul USA 0.1; San Diego WAP USA 0.3(0.1)*; Stuttgart Ge (1.1)*; Taipei Tai 1.0; Tampa USA 3.2; Toronto Can 1.0; Whipsnade GB 0.1*.

***MOUNTAIN ZEBRA *Equus zebra* IUCN(V)**

Taipei Tai 2.0(1.0)*; Woburn GB 2.3.

HARTMANN'S MOUNTAIN ZEBRA*E. z. hartmannae*

Berlin ZG Ge 1.0*; Chiba Jap (0.1); Dvur Kralove Czech 2.1(2.0); Marwell GB 0.1*; Munich Ge 0.3; Paignton GB 0.1*; San Diego WAP USA 0.1*; Tripoli Libya (1.0).

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

Los Angeles USA 1.0*; Miami MZ USA 1.1*.

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

Cincinnati USA 1.0*; Columbus USA (0.1)*; Dortmund Ge (0.1)*; Houston USA (1.0)*; Kuala Lumpur Mal 0.1; Miami MZ USA 1.0; Pretoria SA 1.0*; San Diego USA 0.1; Singapore 1.0; Toronto Can 0.1*.

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

San Diego USA 1.0*.

SOUTH AMERICAN TAPIR *Tapirus**terrestris*

Adelaide Austral 1.0*; Ballaugh GB 0.1; Baton Rouge USA (1.0)*; Belo Horizonte Braz 0.2; Berlin ZG Ge 0.1*; Buffalo USA 1.0*; Burford GB 0.1; Cali Col 1.1; Columbus USA 0.1*; Detroit USA (1.0)*; Dresden Ge 0.1*; Duisburg Ge (1.0); Edinburgh GB 0.1*; Emmen Ne 1.0*; Gauhati Ind 1.0; Gelsenkirchen Ge 1.1*; Houston USA 1.0*; Lypne GB 0.1*; Madrid Sp 1.0; Magdeburg Ge 1.0*; Naples It 1.0*; Nikolaev Ukr 0.1; Nuremberg Ge 1.0*; Paignton GB (0.1)*; Plock Pol 2.0*; Poznan Pol 0.1*; Pretoria SA 1.0*; Ramat Gan Is (3); Rome It 2.0*; Rostov Rus 2; San Antonio USA 0.1; San Diego USA (1.0)*; Santiago Chile 1.0; Sapucaia do Sul Braz 1.1*; Sorocaba Braz 1.0*; Tripoli Libya (1.0); Tucson RP USA 0.1; West Palm Beach USA (0.1)*; Wroclaw Pol 1.0*; Zurich Switz 0.1*.

INDIAN RHINOCEROS *Rhinoceros*unicornis* IUCN(E)

Basle Switz 0.1*; Planckendael Bel 0.2(0.1); San Diego WAP USA 2.0*.

*SOUTHERN WHITE or SQUARE-LIPPED RHINOCEROS

Ceratotherium s. simum IUCN(v)

Edinburgh GB 0.1; Hilvarenbeek Ne 0.1; Hodenhagen Ge 0.1*; Knoxville USA (1.0); Lichtenburg SA 1.2; Paris PZ Fr 1.0; Ramat Gan Is (1.0); San Diego WAP USA 1.1*; Santo Domingo Dom 1.0*; Whipsnade GB 1.0.

*BLACK RHINOCEROS *Diceros bicornis* IUCN(E)

Cincinnati USA 1.0; Denver USA 1.0*; Dvur Kralove Czech 0.3; Lympne GB 1.0; Milwaukee USA 1.0; San Diego WAP USA 1.0; Taipei Tai (0.1)*; Zurich Switz 0.1*.

ARTIODACTYLA

BUSH PIG or RED RIVER HOG

Potamochoerus porcus
Duisburg Ge 6.8(4.6)*.

BEARDED PIG *Sus barbatus*

Kuala Lumpur Mal 1.2; Tunis Tunisia 9.7.2(2).

WILD BOAR *Sus scrofa*

Total bred: 63.44.201(8.3.51) in 32 collections. M.

JAPANESE WILD BOAR *S. s. leucomystax*

Sendai Jap 2.2.

WART HOG *Phacochoerus aethiopicus*

Chimkent Kazak 2.2; Columbus USA 1.5(0.3)*; Denver USA 1.1*; Lichtenburg SA 15(10)*; Little Rock USA 2.0(1.0); Los Angeles USA 3.2(0.2)*; Moscow Rus 2.2(2.1); Pretoria SA 3.1; San Antonio USA (3)*; Toronto Can (2.0)*; Warsaw Pol 3.3.

*BABIRUSA *Babyrousa babyrussa* IUCN(v)

Antwerp Bel 1.2; Jersey GB 2.0*; Marwell GB 1.1*; NY Bronx USA 1.1*; Rotterdam Ne 1.0*; St Louis USA 1.1*; Singapore 3; Stuttgart Ge 2.2(1.1)*; Wuppertal Ge 1.0.

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

Antwerp Bel (0.1); Berlin ZG Ge 5.1(1.0).

COLLARED PECCARY *Tayassu tajacu*

Arnhem Ne 1.0.5(2); Barquisimeto Ven 2(1); Bristol GB 2(1); Buenos Aires Arg 1; Buffalo USA 0.1; Cali Col 0.2; Curitiba Braz 3; Detroit USA 5.3; Dortmund Ge 2.3.1(0.1.1); Edinburgh GB 5.6(4.2); Fort Worth USA 4; Gainesville USA 0.3; Gdansk Pol 1.0; Glasgow GB 1; Ito Jap 1.1; Jerez de la Frontera Sp 2; Kingston Jam 6(3); La Plata Arg 0.1; Lisbon Port 1.1.1(1); Lodz Pol 1.5; Madrid Sp 5.4.1(1.2.1); Magdeburg Ge 6.2(1.0); Malton GB

7(3); Marwell GB 5(3); Mexico San Juan Mex 17(11); Munster Ge 0.5.6(0.3); Paignton GB (1); Port-of-Spain Trin 4(3); Prague Czech 3.0(2.0); Rabat Maroc 13; Rio de Janeiro Braz 3(2); Sao Paulo Braz 0.1; Sapucaia do Sul Braz 6; Stuttgart Ge 2; Tucson ADM USA 0.3(0.2); Tunis Tunisia 2.2.1(1); Wichita USA 0.1.1(1); Wuppertal Ge 4.1; Zurich Switz (1.2). M.

HIPPOPOTAMUS *Hippopotamus amphibius*

Alma-Ata Kazak 1; Amsterdam Ne (1.0)*; Auckland NZ 0.1; Barcelona Sp (0.1); Belo Horizonte Braz 1.0*; Berlin ZG Ge 1.1(1.0)*; Budapest Hun 0.1; Buenos Aires Arg 0.1; Calgary Can 1.0*; Chonburi Thai (1.0); Denver USA 0.1; Dublin Ire 1.0*; Emmen Ne 0.1*; Frankfurt Ge 0.1*; Gauhati Ind 2.0(1.0); Gelsenkirchen Ge 0.1*; Halle Ge (1.0); Hanover Ge 1.0; Khar'kov Ukr (1.0); Kronberg Ge (1); Kuwait (0.1); Lignano It 0.1*; Lisbon Port (1.0)*; Madrid Sp 1.1(0.1)*; Naples It (1.0); Nikolaev Ukr 0.1; Nuremberg Ge 0.1*; Ostrava Czech 1.0; Ozoir Fr 0.1; Paris PZ Fr 0.1; Prague Czech (1.0)*; Pretoria SA (1.1); Rabat Maroc (1.0); Rome It (1.1)*; St Louis USA (1.0); San Francisco USA (0.1); Sapucaia do Sul Braz 1.0*; Taipei Tai 2.0(1.0); Toledo USA 1.0; Tripoli Libya 0.1; Warsaw Pol (0.1); Woburn GB 0.1; Wroclaw Pol 4.0(3.0)*; Zurich Switz 0.1*.

*PYGMY HIPPOPOTAMUS *Choeropsis liberiensis* IUCN(v)

Antwerp Bel (0.1); Baton Rouge USA 0.1*; Brownsville USA 0.2(0.1); Chicago LP USA (1.0)*; Edinburgh GB 0.1*; Hoyerswerda Ge 0.1*; Jackson USA 1.0*; Kaunas Lith 1.0; Leipzig Ge 1.0*; Madras Ind (0.1)*; Munster Ge 0.1; Olomouc Czech 0.1; Potgietersrus SA (1.0)*; Poznan Pol 0.1; Pretoria SA 0.1*; Rotterdam Ne 0.1*; Tallin Est (1.0); Toronto Can 0.1*; Whipsnade GB (1)*.

LLAMA *Lama glama*

Total bred: 153.142.16(28.17.6) in 121 collections. M.

GUANACO *Lama guanicoe*

Total bred: 78.63.7(13.8.5) in 65 collections.

ALPACA *Lama pacos*

Total bred: 38.54.9(11.4.5) in 35 collections.

*VICUGNA *Lama vicugna* IUCN(v)

Belfast GB (1.0); Berlin ZG Ge 0.2; Cologne Ge 1.1(1.0); Frankfurt Ge 0.2; Hanover Ge 1.0; Marwell GB 1.0; Munich Ge 0.1; Stuttgart Ge 0.2; Zurich Switz 4.2(1.2). M.

LLAMA HYBRIDS *L. guanicoe* × *L. glama*
Perm Rus 0.1.