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WAP USA 1.6*; Sao Paulo Braz 0.1*; Tampa USA 2.6; Tucson GR USA 0.1; Washington NZP USA 2.2(2.0)*.

*HARTMANN'S MOUNTAIN ZEBRA *Equus zebra hartmannae* IUCN(v)

Amsterdam Ne 0.1*; Berlin E Ge 1.0; Berlin W Ge (0.1); Dvur Kralove Cz 1.1(1.0); Johannesburg SA 0.1; Kawasaki Jap 0.1*; Laguna Hills USA 0.1; Los Angeles USA (2.0); Marwell GB 2.0(1.0)*; Munich Ge 2.1; Oberwil Switz 0.1; Philadelphia USA 1.0*; Prague Cz 1.1(1.0); San Diego WAP USA 1.2*; Usti nad Labem Cz 1.0*; Whipsnade GB 0.2.

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

Columbia USA 1.0; Peking China (1); San Diego USA 0.1.

*MALAYAN TAPIR *Tapirus indicus* IUCN(v)

Bangkok Thai 1.0; Copenhagen Den 1.0*; Dresden Ge 1.0*; Heidelberg Ge 1.0*; Munich Ge (1.0); Oklahoma USA (0.1); Rotterdam Ne (0.1); St Louis USA 1.0.

SOUTH AMERICAN TAPIR *Tapirus terrestris*

Antwerp Bel 0.1; Bekesbourne GB 1.0; Belo Horizonte Braz 0.1*; Blackpool GB 1.0; Buffalo USA (1.0)*; Burford GB (1.0); Calgary Can 0.1; Chester GB 0.1*; Copenhagen Den 1.0; Denver USA (0.1)*; Dortmund Ge 1.0*; Dresden Ge 0.1*; Duluth USA 1.0; Katowice Pol 0.1; Kolmarden Swed 1.0; Krefeld Ge 0.1; Leningrad USSR (0.1); Marwell GB 0.1*; Mexico Chapultepec 1.0; Mysore Ind 0.1; Nagoya Jap 1.0; Osnabruck Ge 0.1; Ostrava Cz 0.1; Pomerode Braz 1; Poznan Pol 1.0*; Rotterdam Ne 1.0; San Francisco USA (1.0)*; Sao Leopoldo Braz (1.0)*; Tucson GR USA 0.1; Tulsa USA 0.1; Zurich Switz (1.0).

*INDIAN RHINOCEROS *Rhinoceros unicornis* IUCN(E)

Basle Switz 1.0; Planckendael Bel (1.0); San Diego WAP USA 1.0*.

SOUTHERN WHITE RHINOCEROS

Ceratotherium s. simum RARE

Antwerp Bel 1.0; Dvur Kralove Cz 1.0; Hilvarenbeek Ne 1.0; Kings Mills USA 0.1; Knoxville USA 0.1; Laguna Hills USA 1.0; Pretoria SA 1.2; San Antonio USA 0.1; San Diego WAP USA 1.2*; Whipsnade GB 1.1.

*BLACK RHINOCEROS *Diceros bicornis* IUCN(v)

Cincinnati USA 2.0; Nagoya Jap 1.0; Oklahoma USA (1.0); Rome It 1.0.

ARTIODACTYLA

WILD BOAR *Sus scrofa*

Total bred: 96.93.191(16.13.62) in 43 collections.

JAPANESE WILD BOAR *S. s. leucomystax*

Hiroshima Jap 3.7(1.3); Kyoto Jap 1.3.1(1); Sendai Jap 1.1.1(1); Yagashima Jap 13.14.10(7.3.10).

SOUTH EAST ASIAN WILD BOAR *S. s. vestilis*

Sydney Austral 37(21).

WART HOG *Phacochoerus aethiopicus*

Dakar Senegal (3); Hamburg Ge 1.1.3(3); Moscow USSR 3.5; Nanyuki Ken 2.2; Pretoria SA 1.1.14; Stuttgart Ge 1.2.1(0.2.1)*.

*BABIRUSA *Babirusa babirusa* IUCN(v)

Berlin W Ge (1.0)*; Jakarta Indon 5.1(1.0); Rotterdam Ne 1.0*.

COLLARED PECCARY *Tayassu tajacu*

Abilene USA 1; Adelaide Austral 10(8); Chessington GB (5); Chicago Br USA 9.4(5.0); Delhi Ind (1.0); Edmonton Can 2.1(1.0); Melbourne Austral 3.0; Mexico Chapultepec 4; Morelia Mex 6; Mulhouse Fr 0.1; Munster Ge 3; Pretoria SA 1; Rabat Maroc 1.1; Salvador Braz 3.3; Stuttgart Ge 10(5); Sydney Austral 3.2(1.1); Wellington NZ 4(1); W Palm Beach USA 1.0; Whipsnade GB 3; Zurich Switz 4.2. M.

ARIZONA PECCARY *T. t. sonoriensis*

San Diego USA 2.

Tayassu tajacu angulatus

San Antonio USA 0.3(0.1)*.

HIPPOPOTAMUS *Hippopotamus amphibius*

Abu Dhabi (1); Adelaide Austral 0.1; Auckland NZ (1.0.1)*; Bangkok Thai 1.0; Belo Horizonte Braz (0.1)*; Berlin W Ge 1.0*; Bombay Ind 1.0; Calgary Can 0.1*; Chester GB 1.0; Colorado USA 1.0*; Detroit USA 0.1; Dvur Kralove Cz 1.0; Halle Ge (1)*; Hanover Ge 0.1; Houston USA 0.2; Johannesburg SA (1.0); Kanpur Ind 1.0; Karlsruhe Ge 1.0*; Kharkov USSR 0.1; Kyoto Jap 0.1; Longleat GB 2.1(0.1); Los Angeles USA 1.0*; Morelia Mex 0.1*; Munster Ge 1.0; Nagoya Jap 1.0; Nuremberg Ge 1.0; Obihiro Jap 1.0; Peking China 2(1); Ramat-Gan Is 0.1; Rio de Janeiro Braz 1.0*; St Louis USA (0.1); San Antonio USA 0.1*; San Francisco USA 0.1; Santo Domingo Dom 0.1*; Sapporo Jap 0.1; Singapore 1.0; Toronto Can 1.0; Whipsnade GB 1.0; Wroclaw Pol 1.1; Zurich Switz 0.1*.

*PYGMY HIPPOPOTAMUS *Choeropsis liberiensis* IUCN(v)

Basle Switz 0.1*; Berlin E Ge 0.1; Berlin W Ge (1)*; Bristol GB 0.1; Brownsville USA 1.1(1.0); Chicago Br USA (1.0)*; Copenhagen Den (1.0); Hanover Ge 1.0; Honolulu USA 1.0; Johannesburg SA (1.0); Leipzig Ge 1.0*; Munich Ge 1.0; Pretoria SA 1; San Diego USA 0.1; San Diego WAP USA (0.1)*; Whipsnade GB 1*; Zurich Switz 0.1.

LLAMA *Lama glama*

Total bred: 144.134.10(24.17.7) + in 126 collections.

GUANACO *Lama guanicoe*

Total bred: 92.87.10(8.12) in 78 collections.

ALPACA *Lama pacos*

Total bred: 32.21.9(5.6.6) in 28 collections.

*VICUGNA *Lama vicugna* IUCN(v)

Amsterdam Ne (0.1); Catskill USA 0.1; Frankfurt Ge