

Table S1: Contribution of the variables (%)

| | F1 | F2 | F3 | F4 | F5 | F6 | F7 | F8 | F9 | F10 | F11 | F12 | F13 | F14 | F15 | F16 | F17 | F18 | F19 |
|------------------------|---------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Head length | 5.0348 | 6.4482 | 0.7610 | 2.8108 | 10.8412 | 1.6472 | 11.4452 | 6.7974 | 0.4812 | 3.2996 | 27.3663 | 1.0865 | 11.0810 | 6.8377 | 0.0243 | 0.6191 | 2.9985 | 0.2066 | 0.2137 |
| Ear Length | 4.8126 | 0.2184 | 0.0402 | 9.5813 | 0.0003 | 38.4024 | 2.1233 | 8.0307 | 16.8648 | 9.7957 | 0.7981 | 0.0910 | 0.8035 | 7.5487 | 0.0005 | 0.6375 | 0.0539 | 0.0492 | 0.1479 |
| Muzzle Length | 4.9223 | 3.0216 | 1.5743 | 2.7679 | 20.3532 | 0.2115 | 0.8827 | 13.4269 | 4.8953 | 8.2421 | 27.5266 | 0.3896 | 9.7544 | 1.1896 | 0.1193 | 0.0605 | 0.4989 | 0.0165 | 0.1468 |
| Muzzle circumference | 4.8714 | 3.9749 | 0.6631 | 1.5901 | 1.6231 | 27.8858 | 12.1079 | 17.3314 | 0.7694 | 15.1342 | 1.4742 | 0.4130 | 11.0071 | 0.0000 | 0.0272 | 0.0959 | 0.9575 | 0.0531 | 0.0206 |
| Body Length | 7.3761 | 0.1365 | 0.9840 | 0.0012 | 0.7696 | 0.0529 | 0.0383 | 0.0466 | 0.8352 | 4.8099 | 0.7772 | 9.3759 | 5.7100 | 5.0638 | 0.0321 | 0.1610 | 5.7450 | 58.0800 | 0.0048 |
| Scapulo-Ischial Length | 6.9960 | 0.0158 | 0.2281 | 0.0115 | 1.1058 | 1.5730 | 0.0968 | 0.7078 | 4.0644 | 6.4074 | 0.1634 | 14.2734 | 10.4802 | 14.6041 | 3.0603 | 5.8798 | 7.2282 | 23.0698 | 0.0342 |
| Chest circumference | 7.1487 | 0.0426 | 1.1921 | 5.3911 | 1.9401 | 0.0049 | 0.8239 | 0.2971 | 0.8212 | 3.0533 | 1.3387 | 23.1474 | 0.5030 | 1.5673 | 1.8266 | 0.0163 | 0.7330 | 0.1084 | 50.0444 |
| Hip width | 3.7435 | 0.7861 | 0.1429 | 39.5645 | 0.0120 | 2.8763 | 14.0006 | 11.2287 | 2.1849 | 14.5030 | 2.4454 | 1.3829 | 2.2807 | 4.6330 | 0.0437 | 0.0003 | 0.1702 | 0.0011 | 0.0003 |
| Withers Height | 7.2787 | 0.8962 | 0.0070 | 0.6349 | 0.0540 | 0.4708 | 0.0255 | 0.0115 | 0.7203 | 1.8553 | 1.1953 | 0.1889 | 0.0372 | 1.8295 | 16.1304 | 63.9225 | 2.6476 | 2.0650 | 0.0294 |
| Ischium Width | 0.8425 | 0.3386 | 84.7495 | 0.2195 | 0.3388 | 0.1306 | 2.9060 | 0.1762 | 5.3642 | 1.7660 | 0.0740 | 1.5156 | 0.0147 | 0.1604 | 0.0051 | 0.9533 | 0.0251 | 0.4026 | 0.0173 |
| Chest Depth | 6.8349 | 0.0255 | 0.1630 | 2.7688 | 0.6412 | 2.0808 | 0.1821 | 1.4512 | 0.3437 | 7.2029 | 1.4473 | 3.9416 | 2.8289 | 11.2117 | 39.1445 | 9.8964 | 6.1027 | 3.6866 | 0.0460 |
| Front Leg length | 6.3133 | 0.1483 | 0.6780 | 7.0067 | 3.5838 | 0.0441 | 2.6810 | 0.0528 | 0.2445 | 0.2204 | 7.0419 | 11.4996 | 9.8299 | 33.9752 | 1.3520 | 7.3379 | 7.8303 | 0.1323 | 0.0280 |
| Hindleg length | 4.1722 | 0.3527 | 3.2094 | 4.7401 | 35.5657 | 0.7838 | 36.4225 | 0.1314 | 0.0004 | 0.4010 | 10.1580 | 0.7876 | 0.2019 | 0.9430 | 0.0980 | 0.6574 | 1.3727 | 0.0000 | 0.0023 |
| Tail Length | 5.9701 | 0.3388 | 0.3365 | 7.9057 | 0.9408 | 0.0482 | 0.0262 | 7.5066 | 15.2295 | 9.3556 | 10.9624 | 2.4508 | 11.5754 | 3.9550 | 7.4791 | 0.1245 | 14.2501 | 1.5449 | 0.0001 |
| Cannon circumference | 7.1116 | 1.0864 | 0.3900 | 0.9923 | 3.3915 | 0.3429 | 0.9519 | 0.7838 | 0.0990 | 0.2122 | 0.0725 | 3.7935 | 2.0084 | 2.7768 | 24.6228 | 8.5826 | 36.3233 | 6.4560 | 0.0024 |
| Ham circumference | 5.3000 | 2.5349 | 0.0335 | 5.6288 | 7.7938 | 3.6487 | 5.8966 | 23.5166 | 9.6051 | 5.0720 | 4.1897 | 2.6126 | 5.7315 | 2.3442 | 0.1196 | 0.5828 | 11.9526 | 3.4368 | 0.0003 |
| Longueur des poils | 0.1737 | 62.2388 | 0.0928 | 2.4446 | 6.6587 | 7.4898 | 6.4698 | 3.8243 | 5.6909 | 2.7915 | 0.0411 | 0.1661 | 0.2798 | 0.5440 | 0.2194 | 0.2547 | 0.0599 | 0.5530 | 0.0070 |
| Hair Length | 3.9983 | 17.2444 | 3.6375 | 0.0064 | 2.6526 | 12.2984 | 1.2660 | 4.6183 | 31.7118 | 2.9706 | 0.0383 | 0.4585 | 15.4066 | 0.4522 | 2.9860 | 0.1707 | 0.0022 | 0.0046 | 0.0769 |
| Body weigth | 7.0994 | 0.1512 | 1.1173 | 5.9339 | 1.7340 | 0.0080 | 1.6538 | 0.0608 | 0.0743 | 2.9072 | 2.8896 | 22.4255 | 0.4659 | 0.3638 | 2.7092 | 0.0469 | 1.0484 | 0.1334 | 49.1775 |