Additional File 1. Concentrations of selenium, copper and manganese in hair from huemul deer from the Protected Park Shoonem, Alto Rio Senguer (province of Chubut, Argentina).

| Concentration in ppm | Selenium | Copper | Manganese |
|----------------------|----------|--------|-----------|
| female               | 0.236    | 4.928  | 5.294     |
| female               | 0.333    | 4.788  | 1.135     |
| female               | 0.256    | 5.57   | 3.786     |
| male                 | 0.182    | 6.876  | 2.179     |
| male                 | 0.275    | 5.039  | 1.668     |
| male                 | 0.22     | 5.452  | 1.001     |
| female               | 0.194    | 4.938  | 45.03     |
| female               | 0.336    | 4.229  | 66.983    |
| male                 | 0.016    | 0.266  | 38.962    |
| male                 | 0.77     | 7.16   | 36.079    |
| female               | *9.397   | 5.575  | 26.887    |

Deficiency levels as determined for other cervids, when below: <0.5 ppm Se and <6.7 ppm Cu [see O'Hara et al. Mineral and heavy metal status as related to a mortality event and poor recruitment in a moose population in Alaska. J Wildl Dis 2001; 37: 509-522], and <7 ppm Mn [see Franzmann AW, Flynn A, Arneson PD. Alaskan moose hair element values and variability. Comp Biochem Physiol Part A: Physiol 1977;57(3):299-306].

* this value was removed as outlier