

UMR 5553
LABORATOIRE D'ÉCOLOGIE ALPINE

Results from the genetic analyses performed on
tissue samples from bears shot during 2005
in Västernorrland County, Sweden

Persons in charge of genetics analyses :

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Purpose :

Genetic analyses performed on tissue samples from bears shot in Västernorrland County during 2005. Identification and comparison with the scat analysis already carried out for the same area (see report Västernorrland, January - May 2005).

Methods :

DNA extractions

DNA extractions were performed using the Qiamp Dneasy Tissue Kit (Qiagen Inc., Netherlands), developed specially for this type of material and following the manufacturer's instructions.

Microsatellite typing

Six microsatellite markers (Mu10, Mu23, Mu50, Mu51, Mu59, G10L) as well as a sex marker (SRY) were amplified using PCR. Those 6 microsatellites were chosen for their discriminatory power based on the Scandinavian brown bear tissue dataset, as it was explained in the report mentioned previously.

Results :

The comparison between these genotypes and the previous one indicate that these bears are new individuals and have not been genotyped before.

Identification number	Sex	Genotype
V 0672 / 05	Male	Group 141
V 0673 / 05	Male	Group 142
V 0706 / 05	Male	Group 143
V 0712 / 05	Female	Group 144
V 0716 / 05	Male	Group 145
V 0722 / 05	Female	Group 146
V 0755 / 05	Male	Group 147
V 0840 / 05	Female	Group 148 (close to group 62)

Grenoble, le 19 Avril 2006

Pierre Taberlet, Directeur de Recherche.

