The Appendix is an integral part of
Certificate of Accreditation No: 224/2024 of 14/05/2024

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

Českomoravská společnost chovatelů, a.s.
CAB number 1312, iGenetics Laboratory
Benešovská 123, 252 09 Hradištko

The laboratory provides opinions and interpretations of the test results.

Detailed information on activities within the scope of accreditation (determined analytes / source literature) is given in the section „Specification of the scope of accreditation".

Tests:

Ordinal number[1]	Test procedure / method name	Test procedure / method identification[2]	Tested subject	Degrees of freedom[3]
1	SNP analysis by DNA microarrays technology	SOP2	Biological material containing genomic DNA	-
2	Fragment analysis of DNA microsatellite polymorphism – STR	SOP3	Biological material containing genomic DNA	-
3	Parentage verification of warm-blooded animals based on DNA microarrays SNP analysis	SOP4	Biological material containing genomic DNA, known animal genotype	-
4	Parentage verification of warm-blooded animals based on STR fragment analysis	SOP5	Biological material containing genomic DNA, known animal genotype (bovine, equine, ovine, caprine)	-

[1] asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

[2] if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest valid edition of the specified procedure is used (including any changes)

[3] the laboratory does not apply a flexible approach to the scope of accreditation

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CAB number 1312, iGenetics Laboratory
Benešovská 123, 252 09 Hradištko

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
2	Bovine microsatellites: TGLA227, BM2113, TGLA53, ETH10, SPS115, TGLA126, TGLA122, INRA023, ETH3, ETH225, BM1824, BM1818 Equine microsatellites: VHL20, HTG4, AHT4, HMS7, HTG6, HMS6, HTG7, HMS3, AHT5, ASB2, HTG10, HMS2, HMS1, ASB17, ASB23, LEX3, CA425 Ovine microsatellites: AME, ETH152(D5S2), INRA005, INRA006, INRA023, INRA172, MAF065, McM42, McM527, OarFCB20, MAF214, INRA063, CSRD247 Caprine microsatellites: CSRD247, ILSTS008, ILSTS019, ILSTS087, INRA005, INRA006, INRA023, INRA063, MAF065, McM527, OarFCB20, SRCRSP05, SRCRSP08, SRCRSP23

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (source literature)
1	Infinium HTS Assay Reference Guide, Nov. 2019; GenomeStudio® Genotyping Module v2.0 Software Guide, Sept. 2016
2	DNA Fragment Analysis by Capillary Electrophoresis, Publication Number 4474504, Revision B, Revision Date April 2014; StockMarks® Kits for Horses, Cattle, and Dogs Equine, Bovine, and Canine Genotyping Kits, Apr 21, 2014 Thermo Scientifc Equine Genotypes Panel 1.1, Technical manual, 2012; A. Szumiec., A. Radko, A. Koseniuk, D. Rubis and M. Bugno-Poniewierska (2018): Application of 12 STR markers for the evaluation of genetic variation in sheep: ICAR Technical Series #23 February 2018; Aldona Kawęcka1, Angelika Podbielska2, Anna Miksza-Cybulska1, Marta Pasternak1, Jacek Sikora1, Tomasz Szmatoła2,3. (2022): Genetic structure of reconstituted native Carpathian goat breed based on information from microsatellite markers*: Ann. Anim. Sci., Vol. 22, No. 4 (2022) 1235–1244
3, 4	Rules for conducting ISAG Comparison Tests for Animal DNA testing; Ing. Leona Vychodilová, Ph.D., MVDr. Karla Stejskalová, Ph.D., MVDr. Jana Bubeníková, Mgr. Ján Futas, Ph.D., Mgr. Martin Plášil, Ph.D., Mgr. Eva Jánová, Ph.D., Prof. MVDr, RNDr. Petr Hořín, CSc. (2019): Klinická genetika (VFU Brno, 2019, 163 p.)

Explanations:
DNA   Deoxyribonucleic Acid
SNP   Single Nucleotide Polymorphism
SOP   Standard Operating Procedure
STR   Short Tandem Repeat = microsatellites