# GENETIC IDENTITY OF PLANT OF INTEREST IN COSMETICS





## CCTCATGATTTTTGAA

Genetic sequence (linkage order of the nucleotides)

DNA signature of plant of interest



#### TRACEABILITY

#### ON RAW PLANT MATERIALS:

### ON TRANSFORMED AND FINAL PRODUCTS:

Dried plants, flowers, leaves, seeds, plant extracts, etc. Ingredients or cosmetics (creams, emulsions, oils, etc.)





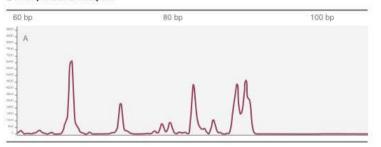


CCTCATGATTTTTGAA

#### TECHNOLOGY BEING USED: PCR/SEQUENCING APPROACH

■ DNA extraction and PCR amplification with patented molecular tools\*:

chloroplastic marker and universal primers or other markers appropriate for diagnosis. From Joseph Fourier University



Conventional sequencing and high performance sequencing.

■ Bio-informatical analysis of obtained genetic sequences.

sel=0 1 Seq:1 Pos:1|1 [HWI-ST132:570;sample=RM03B2a;oount=256]
HWI-ST132:570;sample TCCTATTTTTCGAAAACAAACAAAGGTTCATAAAGACAGAATAAGAATACAAAAG

HWI-HK248:834; sample TTTTCGAAAACAAACAAAGGTTCATAAAGACAGAATAAGAATACAAAAG



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