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**Report of Mobility Stay**  
**Visit in INRA in Nancy (hosted by Dr Francis Martin –P1f)**

The aim of our visit was to evaluate the nuclear microsatellites markers (nSSRs) on the ectomycorrhizal fungus- *Laccaria amethystina*.

For test we used 119 sporocarp samples collected in ISS site in Poland (Blizyn) and 55 sporocarps collected all around Europe (France, Spain, Belgium, Poland, United Kingdom, Estonia and others).

We used a set of different primers mainly designed for *Laccaria bicolor* and then we tried to check their compability on *Laccaria amethystina* sporocarp samples. The primers designed by F. Martin team were: INRA jl 01, INRA jl 111, 1168 M9, 1195 M13, 1209 M5, 1213 M23, 1195 M21, and 1195 M22. These primers were designed for *L. bicolor*. Other primers we checked were published previously as specific for *L. amethystina*: Lv 257 and Lac171 (Roy et al. 2008), P04, P08, P10, and P35 (Donges et al. 2008), La17 and La03 (Wadud et al. 2006), or for *L. bicolor* LbTC 20 and LbTC75 (Jany et al. 2006).

We obtained successful amplification for all primers pairs apart from Lac171, P10 and very low for INRA jl 111.

From the primers designed for *L. bicolor*, we found some that were working efficiently on *L. amethystina* samples. Primers 1209 M5, INRA jl 01, INRA jl 111, 1168 M9, 1213 M23, Lv 257, and LbTC 20 were polymorphic on sporocarps tested. Primers 1195 M21, 1195 M22 did not get any polymorphism.

From the published primers, polymorphic were La03 and La17.

Our visit in INRA-Nancy let us establish plans for the 2009 season. We have planned a detailed working schedule in the field (in ISS site in Poland) and laboratory work for each partner. This work will include nSSRs screening for ectomycorrhizas of *L. amethystina* obtained from beech trees and seedlings collected in Blizyn and testing primers designed for *Lactarius* sp.