



Figure S8. Nitrogenase expression in the *yejE* and *yejF* mutant bacteroids in *Medicago sativa* nodules. A. Confocal microscopy of sections of nodules infected with *S. meliloti* Sm1021.pHC60-*pnifH*::GFP (WT), Sm1021.Δ*bacA*.pHC60-*pnifH*::GFP (*bacA*), Sm1021.Δ*yejE*.pHC60-*pnifH*::GFP (*yejE*) or Sm1021.Δ*yejF*.pHC60-*pnifH*::GFP (*yejF*) and stained with propidium iodide (red stain). Green stained bacteroids are functional while red stained bacteroids are non-functional. **B.** Flow cytometry determination of GFP levels in nodule bacteria (upper panels) and heat-killed nodule bacteria (lower panels). The green square shows the position of the GFP-positive bacteroids. FSC is forward scatter.