



Supplementary Figure S5 Screening for G2-11 Δ MAI mutants. (a) PCR-screening of the transconjugants: (i) screening of the culture for the band indicating deletion in the clones with pCM157-P_{lac} (left) and pCM157-P_{nir} (right). (ii) Screening of the individual clones for (left to right): the band indicating deletion, the excision of the pAL plasmids from the flanking regions. (iii) Test for the presence of the magnetosome genes in the genome of the candidate Δ MAI clones. The clones selected for further work are highlighted by yellow ellipses. (b) Replica-plating of the clones on agar plates with and without antibiotics. The selected mutants are highlighted in red punctuated circles.