

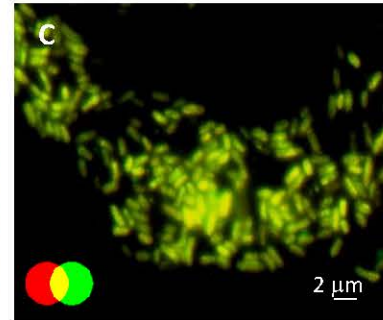
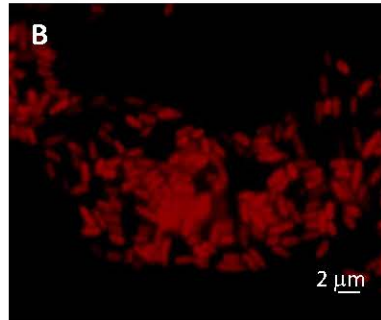
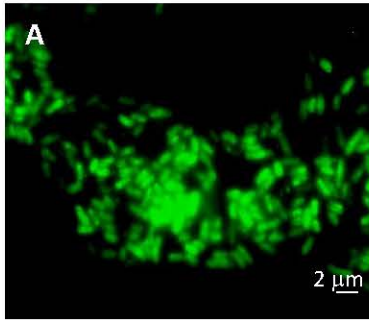
**Fig. S1.** *Bacillus subtilis* 16s rRNA gene and section used for FISH probe design (modification of Noah *et al.*, 2000).

Hybridization with specific  
probe for *B. subtilis*

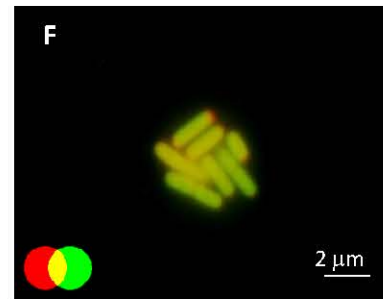
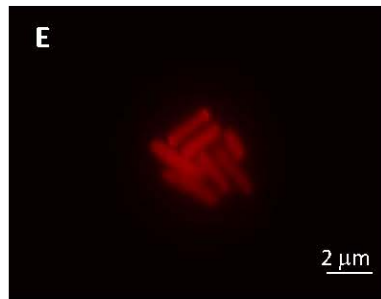
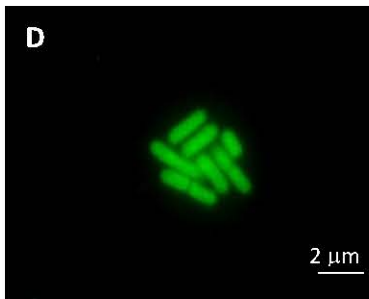
Hybridization with universal  
probe for bacteria

Combination of  
red and green images

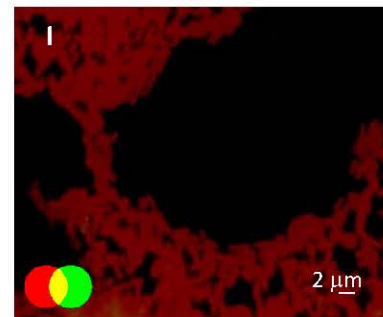
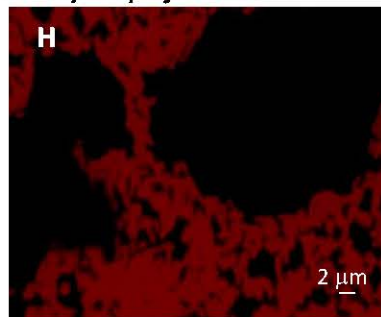
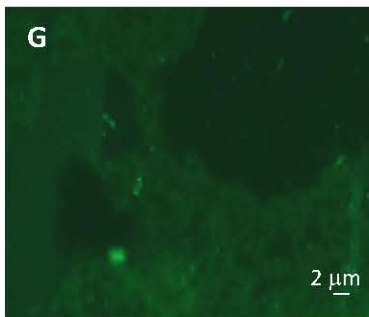
*B. subtilis* EA-CB0015



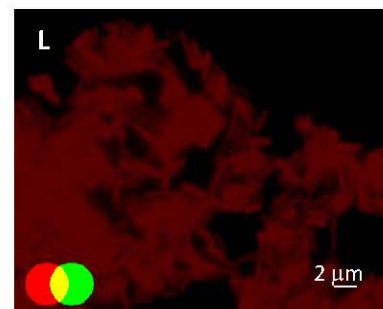
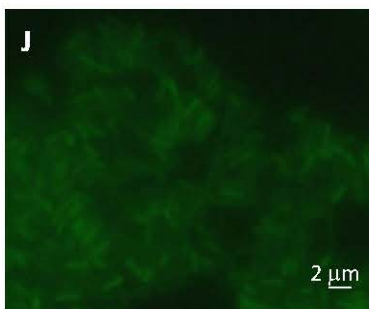
*B. subtilis* 168



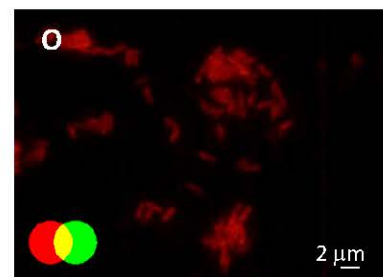
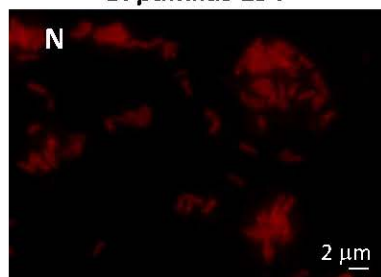
*B. amyloliquefaciens* EA-CB0959



*B. megaterium* 03



*B. pumilus* ES4



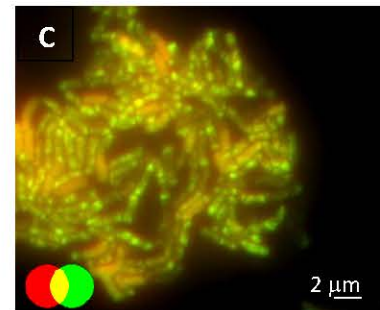
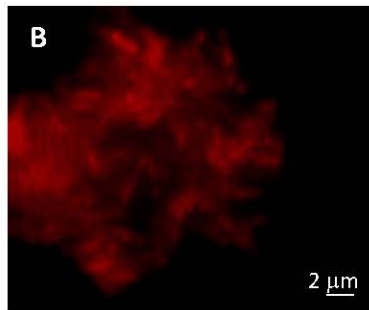
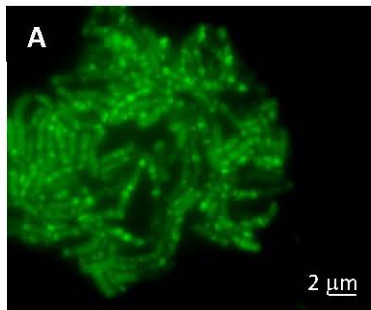
**Fig. S2.** FISH evaluation for *Bacillus* species *B. subtilis*, *B. amyloliquefaciens*, and *B. megaterium* and the phylogenetic foreign strain *Azospirillum brasilense* CD.

Hybridization with specific probe for *B. subtilis*

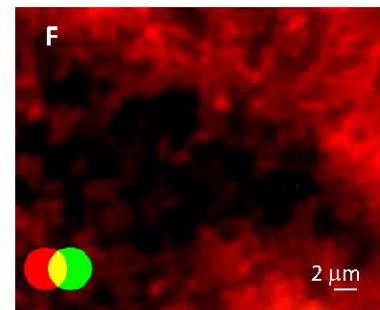
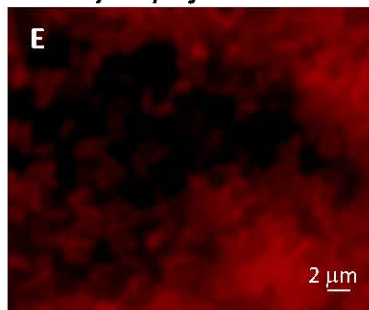
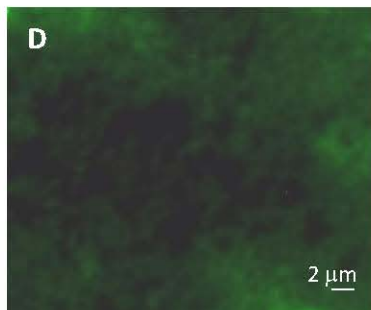
Hybridization with universal probe for bacteria

Combination of red and green images

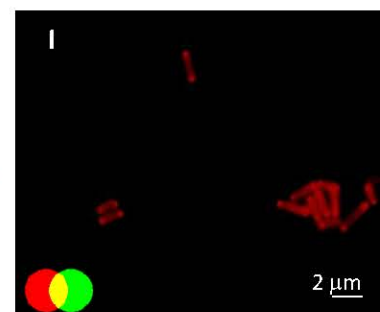
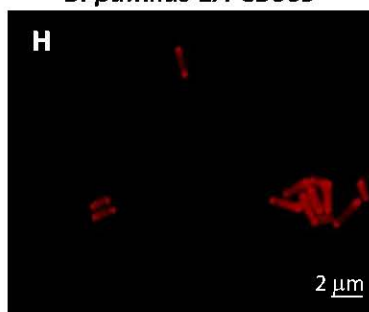
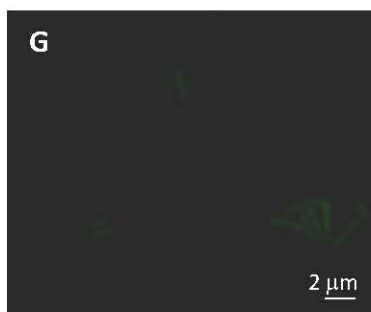
*B. subtilis* EA-CB1121



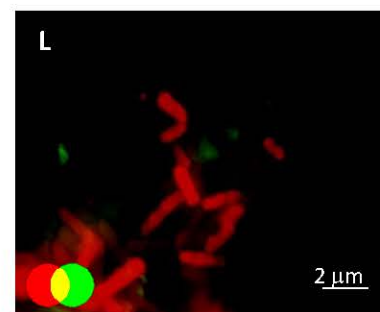
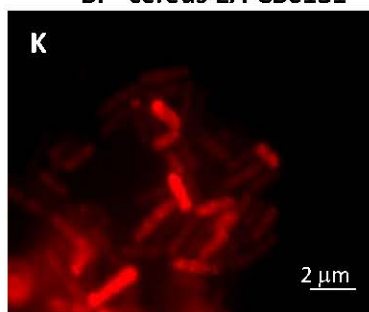
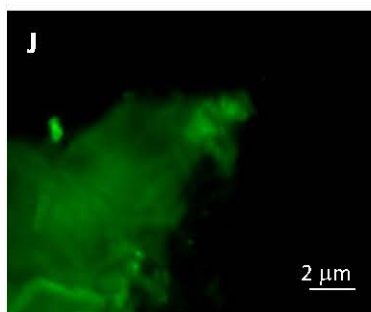
*B. amyloliquefaciens* FZB42



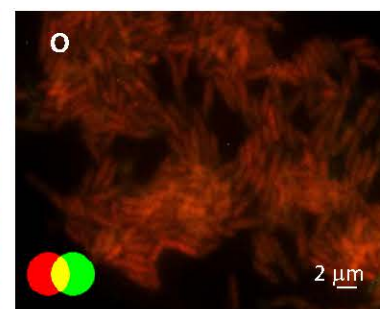
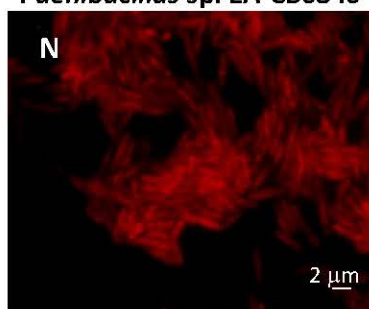
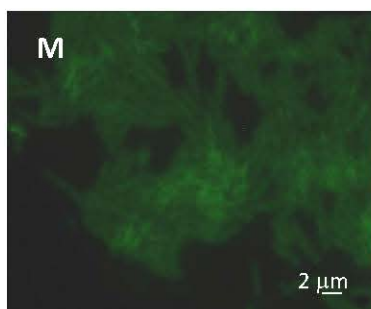
*B. pumilus* EA-CB009



*B. cereus* EA-CB0131



*Paenibacillus* sp. EA-CB0840



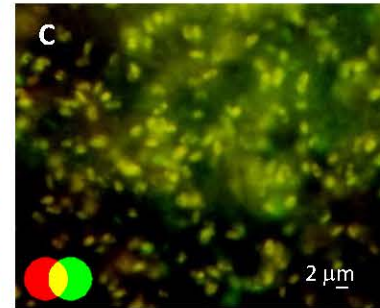
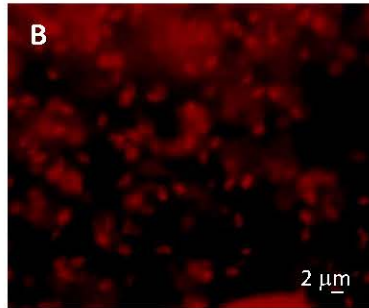
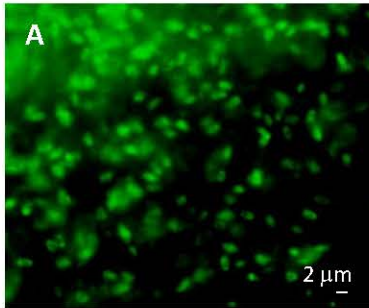
**Fig. S3.** FISH evaluation for *Bacillus* species: *B. subtilis*, *B. amyloliquefaciens*, *B. pumilus*, *B. cereus*, and *Paenibacillus* sp.

Hybridization with specific  
probe for *B. subtilis*

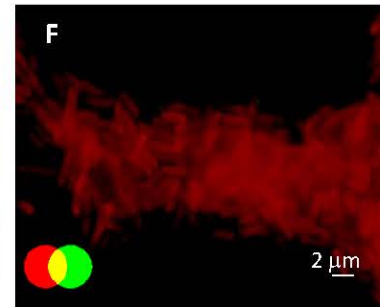
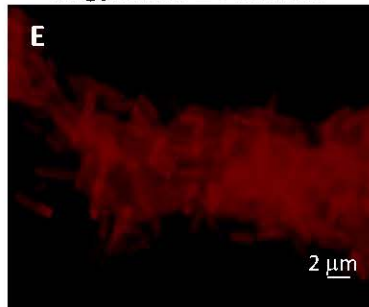
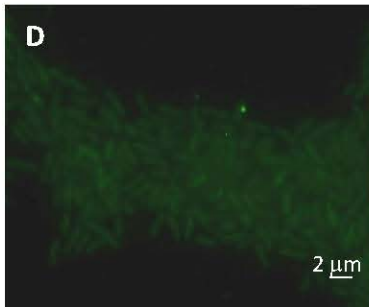
Hybridization with universal  
probe for bacteria

Combination of  
red and green images

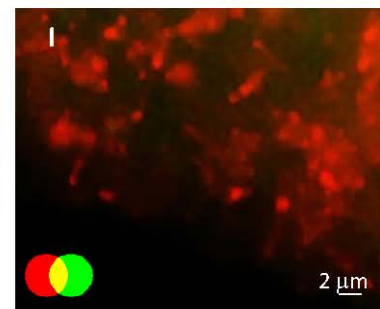
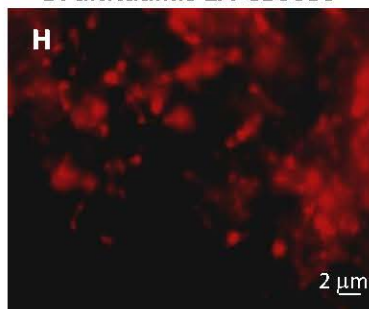
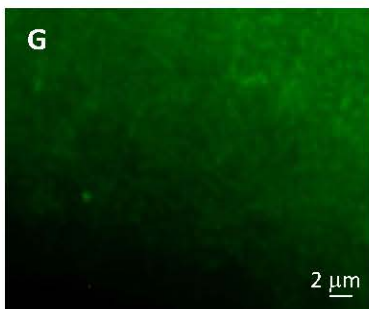
*B. subtilis* NCTC 3610



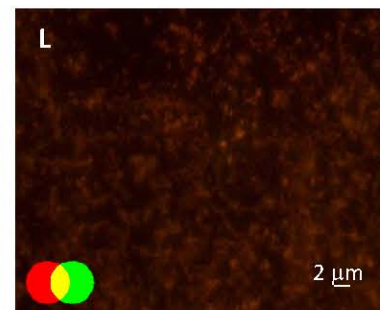
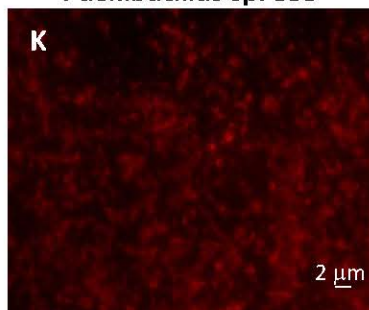
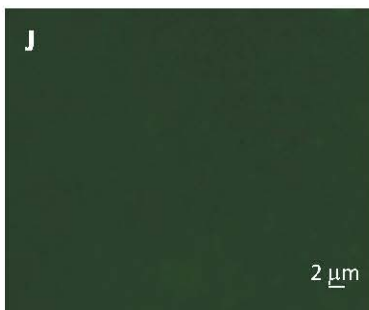
*B. gybsonii* EA-CB0579



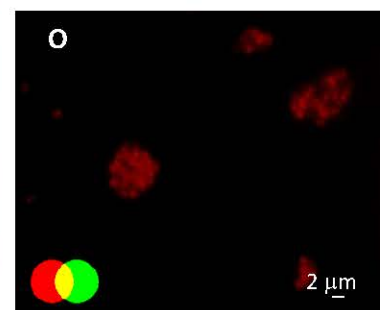
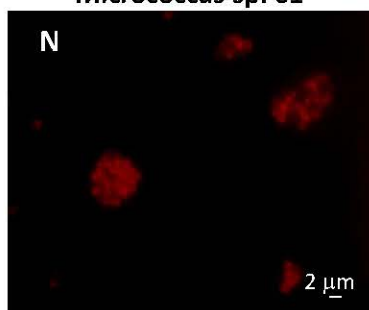
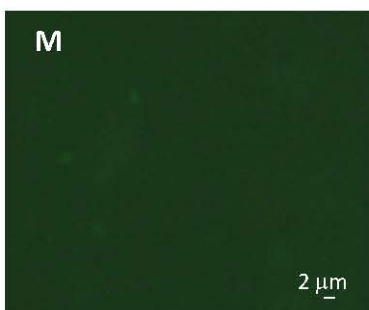
*B. altitudinis* EA-CB0686



*Paenibacillus* sp. 888

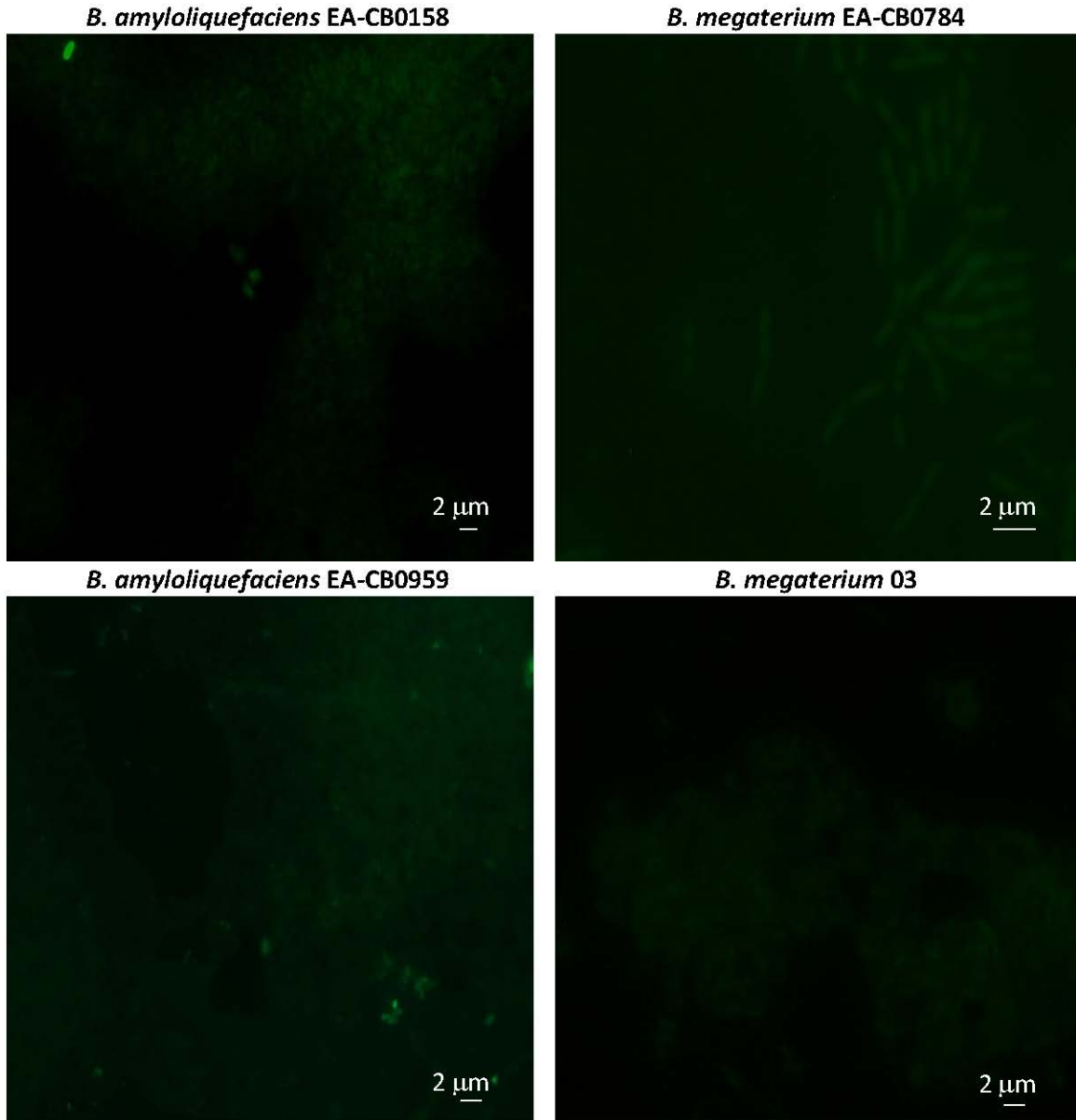


*Micrococcus* sp. 01



**Fig. S4.** FISH evaluation for *Bacillus* species: *B. subtilis*, *B. gybsonii*, *B. altitudinis*, and phylogenetic foreign strains *Paenibacillus* sp. and *Micrococcus* sp

FISH images using specific probe for *B. subtilis* in FITC filter



**Fig. S5.** Original green images of *Bacillus amyloliquefaciens* and *Bacillus megaterium* strains in the FITC filter.