



**S7 Fig. Time-lapse imaging of FtsZ during filament reversion (additional example).** *L. lactis* filaments expressing FtsZ-Ve (strain NZ3900 [pGIBLD031]) were grown on methicillin-free agar pads to reverse filamentation. The dynamics of FtsZ-Ve rearrangements was analyzed by time lapse imaging (see also S7-8 Movies). Top and bottom rows correspond to phase contrast (PC) and epifluorescence (FtsZ-Ve) microscopy, respectively. Pictures were taken every 10 min. Scale bars, 2  $\mu$ m.