Cloned in E. coli using a plasmid

Transformed P. gingivalis ATCC 33277 Δmfa1 and W83

Obtained fim cluster-deletion mutant of P. gingivalis

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**Figure. S2** Construction of a *fim* cluster-deletion mutant of *P. gingivalis.*

Small arrows show the primers. *ermF-ermB* confers erythromycin resistance to *P. gingivalis.* *ermB* was previously called *ermAM,* but the current nomenclature proposed to use *ermB* (Roberts et al., Antimicrob. Agents Chemother. 1999, 43: 2823-30), therefore we used here *ermB*.