

**Table S1. Bacterial Strains used in this study**

Strain	Relevant characteristics	Source or reference
<i>P. gingivalis</i>		
33277	Type strain	ATCC
$\Delta fimA$	Isogenic mutant of 33277 lacking major fimbrial gene <i>fimA</i> , Erm <sup>r</sup>	[1]
$\Delta mfa1$	Isogenic mutant of 33277 lacking minor fimbrial gene <i>mfa1</i> , Erm <sup>r</sup>	[2]
$\Delta ltp1$	Isogenic mutant of 33277 lacking the low molecular tyrosine phosphatase gene <i>ltp1</i> , Erm <sup>r</sup>	[3]
$\Delta ltp1+ltp1$	Isogenic mutant of 33277 lacking the low molecular tyrosine phosphatase gene <i>ltp1</i> , and complemented with PT-COW-Ltp1, expressing functional Ltp1. Erm <sup>r</sup> and Tet <sup>r</sup>	[3]
$\Delta ltp1+ltp1^{C10S}$	Isogenic mutant of 33277 lacking the low molecular tyrosine phosphatases gene <i>ltp1</i> , and complemented with PT-COW-Ltp1 <sup>C10S</sup> , expressing catalytically dead Ltp1. Erm <sup>r</sup> and Tet <sup>r</sup>	[3]
$\Delta php1$	Isogenic mutant of 33277 lacking the tyrosine phosphatase gene <i>php1</i> , Erm <sup>r</sup>	[4]
<i>Escherichia coli</i>		
TOP10	Chemically competent cells	Invitrogen

<sup>a</sup>Erm<sup>r</sup>, Tet<sup>r</sup>, and Amp<sup>r</sup> indicate resistance to erythromycin, tetracycline, and ampicillin, respectively.

#### References

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3. Maeda K, Tribble GD, Tucker CM, Anaya C, Shizukuishi S, Lewis JP, *et al.* A *Porphyromonas gingivalis* tyrosine phosphatase is a multifunctional regulator of virulence attributes. *Mol Microbiol* 2008; 69: 1153-1164.
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