

## Supplemental File 1

**Table. PA1006 is not required for anaerobic growth with nitrite or arginine.**

	Anaerobic				Aerobic <sup>d</sup>		
Strain	KNO <sub>3</sub> <sup>a</sup>	KNO <sub>2</sub> <sup>b</sup>	Arginine <sup>c</sup>	-	KNO <sub>3</sub>	KNO <sub>2</sub>	NH <sub>4</sub> Cl
PAO1	+	+	+	-	+	+	+
ΔPA1006	-	+	+	-	-	-	+
ΔPA1006 (attb:PA1006)	+	+	+	-	+	+	+

<sup>a</sup> Anaerobic growth on KNO<sub>3</sub> was determined by plating on LB plates containing 100 mM KNO<sub>3</sub> and incubating under anaerobic conditions for 48 hrs. The WT strain PAO1 grows on this media after 24 hrs.

<sup>b</sup> Anaerobic growth on KNO<sub>2</sub> was determined by plating strains on LB plates containing 10mM KNO<sub>2</sub> and incubating under anaerobic conditions for 72 hours. Growth of the WT strain PAO1 appears after 72 hours. (+), growth, (-), no growth.

<sup>c</sup> Anaerobic growth on arginine was determined by plating on LB plates containing 40mM L-Arginine and incubating under anaerobic conditions for 5 days. Growth of the WT strain PAO1 appears after 5 days. (+), growth, (-), no growth.

<sup>d</sup> Aerobic growth was determined by plating on VBMM plates containing either 100 mM KNO<sub>3</sub> , 10 mM KNO<sub>2</sub>, or NH<sub>4</sub>Cl, as the sole nitrogen source, and incubating under aerobic conditions for 48 hrs. (+), growth, (-), no growth.