	Genotype	
Phenotype	Wild type LasR (n=1996)	Inactivating mutation (n=268)
Lysis, sheen, or both <sup>b</sup>	171 (8.6 <sup>c</sup> )	190 (70.9)
Neither lysis nor sheen	1825 (91.4)	78 (29.1)
$NO_3$ growth advantage <sup>d</sup>	170 (8.5)	69 (25.7)
No $NO_3$ growth advantage	1826 (91.5)	199 (74.3)
Lysis, sheen, and $NO_3$		
growth advantage <sup>e</sup>	18 (0.9)	44 (16.4)

Table S2. Association between LasR function, colony morphology, and growth with nitrate<sup>a</sup>

<sup>a</sup>Isolates for which we could not deterimine LasR functionality are not included.

<sup>b</sup>Colony morphology of isolates grown on LB agar as described in Ref. 3.

<sup>c</sup>Data in parentheses represents the percent of isolates with specific phenotype.

<sup>d</sup>Growth advantage with nitrate (NO<sub>3</sub>) supplementation as described in Ref. 18. <sup>e</sup>Isolates that display lysis and sheen and have increased growth with nitrate.