sap strain	Complementation		Allele	Nucleotide Change at Position	AA Change
	pAlgO	pMucP			
sap16,17,23, 24,25	Alg^+	Alg^+	*algO500*	A > C at 1499	Q500P
sap22, 26, 27, 31	Alg^+	Alg^+	*algO107*	Insertion of T at 321	Frameshift after aa 106
sap32	Alg^+	Alg^+	*algO336*	Deletion of GAAGTGATT at 1006	Inframe deletion (Δ3 aa)
sap42	Alg^+	Alg^+	*algO55*	G > T at 163	E55Stop
sap46,47	Alg^+	Alg^+	*algO516*	G > A at 1547	G516D
sap20, 21	Alg^-	Alg^+	*mucP392*	Deletion of G at 1174	Frameshift after aa 391
sap30	Alg^-	Alg^+	*mucP159*	insertion of C at 475	Frameshift after aa 158
sap36	Alg^-	Alg^+	*mucP304*	Deletion of GCGGGGG at 910	Frameshift after aa 303

Supplemenary Table S1. Summary of mutants obtained from this study.

Supplemental

Figure S1

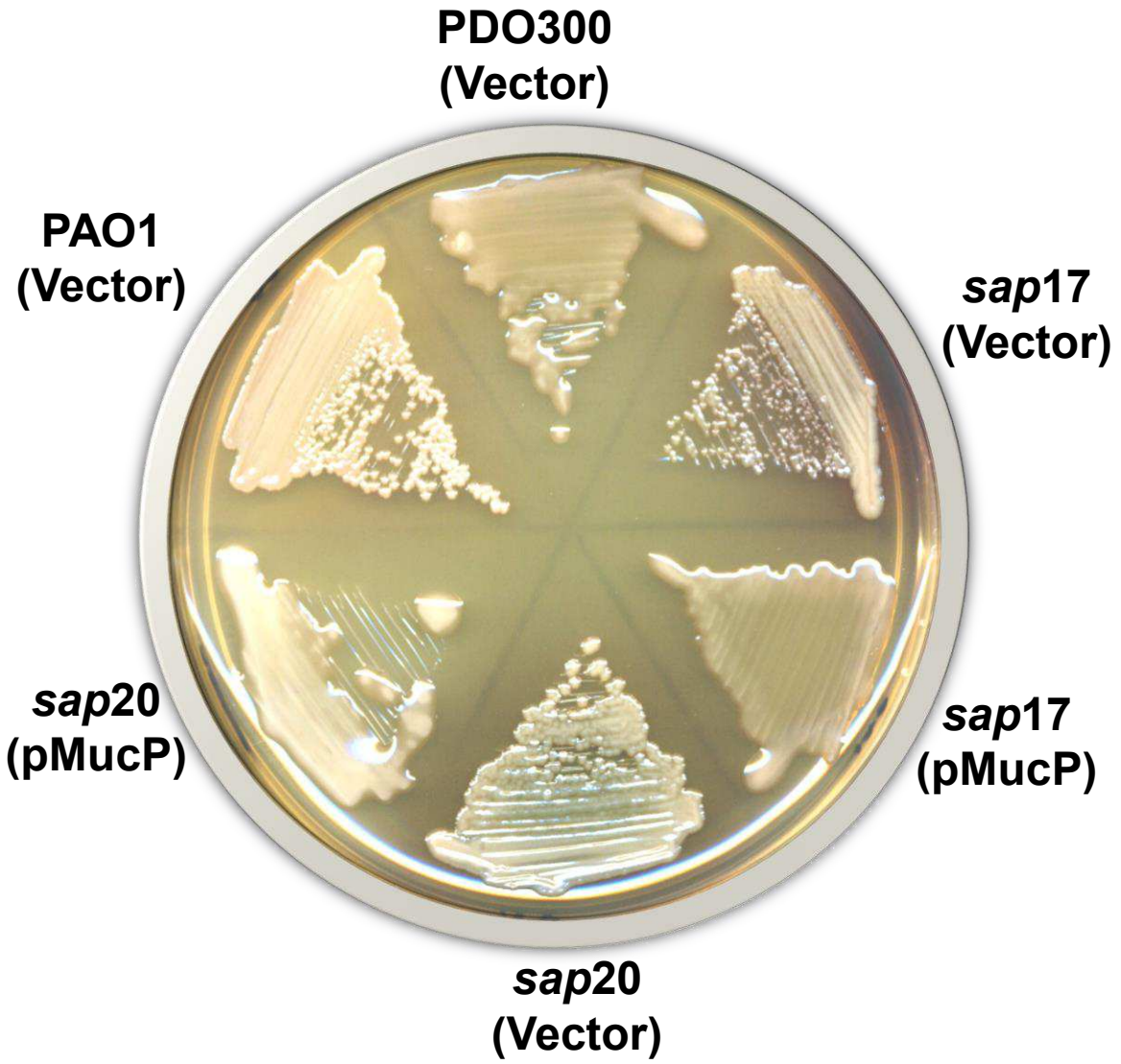

FIG S1. Complementation of *sap17* and *sap20* mutations by *mucP*. The *sap* mutants display a nonmucoid phenotype similar to PAO1, and a mucoid phenotype when a *mucP*-containing plasmid is introduced into these strains, similar to the parental PDO300 strain. Cells were inoculated on LB plates containing carbenicillin in the presence of 1mM IPTG and were incubated at 37ºC for 24 hrs. . Strains containing pMF54 plasmids lacking the *mucP* gene are labelled as 'Vector'.

Figure S2

Supplemental

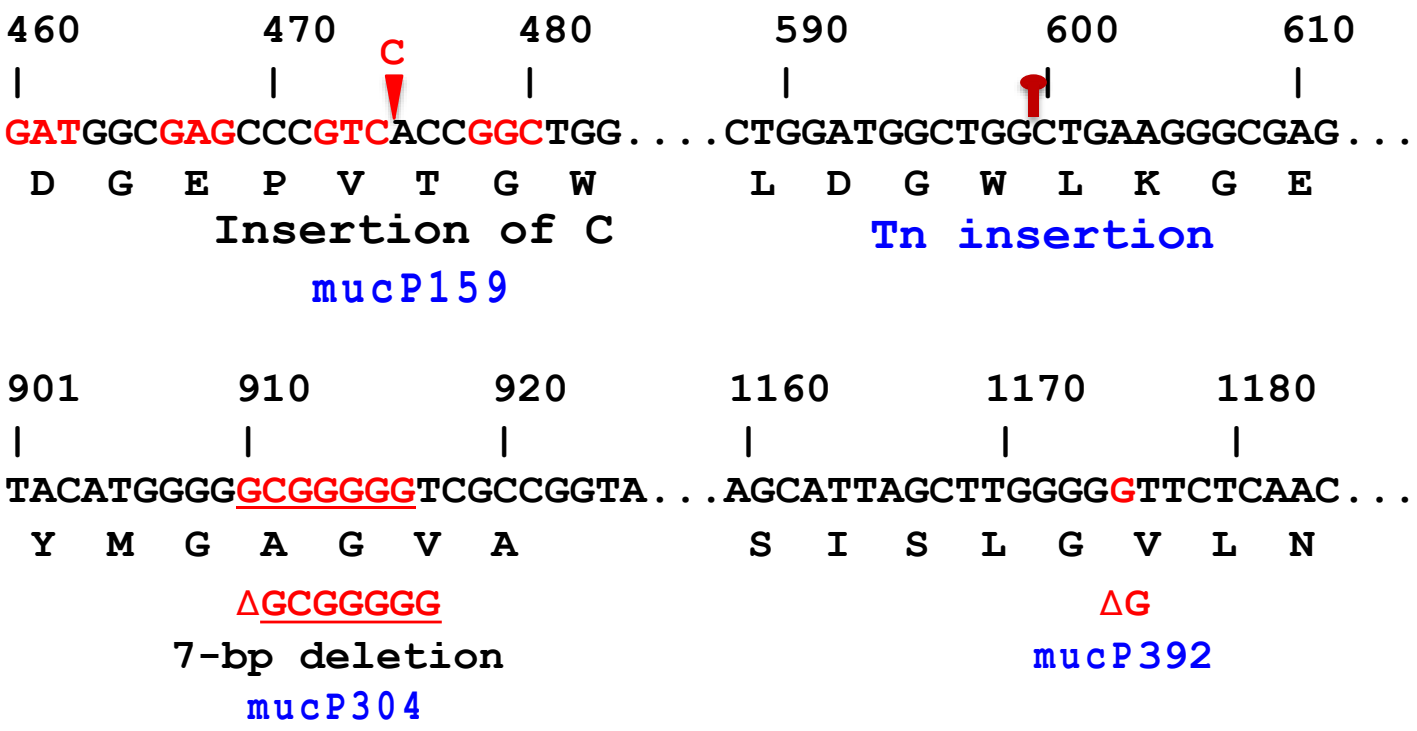

FIG S2. DNA sequences of *mucP* mutations. The EZ::Tn insertion was mapped between nucleotide 599 and 600 of the *mucP* coding sequence, with the first nucleotide of the coding sequence designated as 1; the red symbol indicates the position of the transposon insertion. The *sap30* mutation is now designated as *mucP159; sap36* is now *mucP304* and *sap20* and *sap21* are now designated *mucP392*

Supplemental

Figure S3

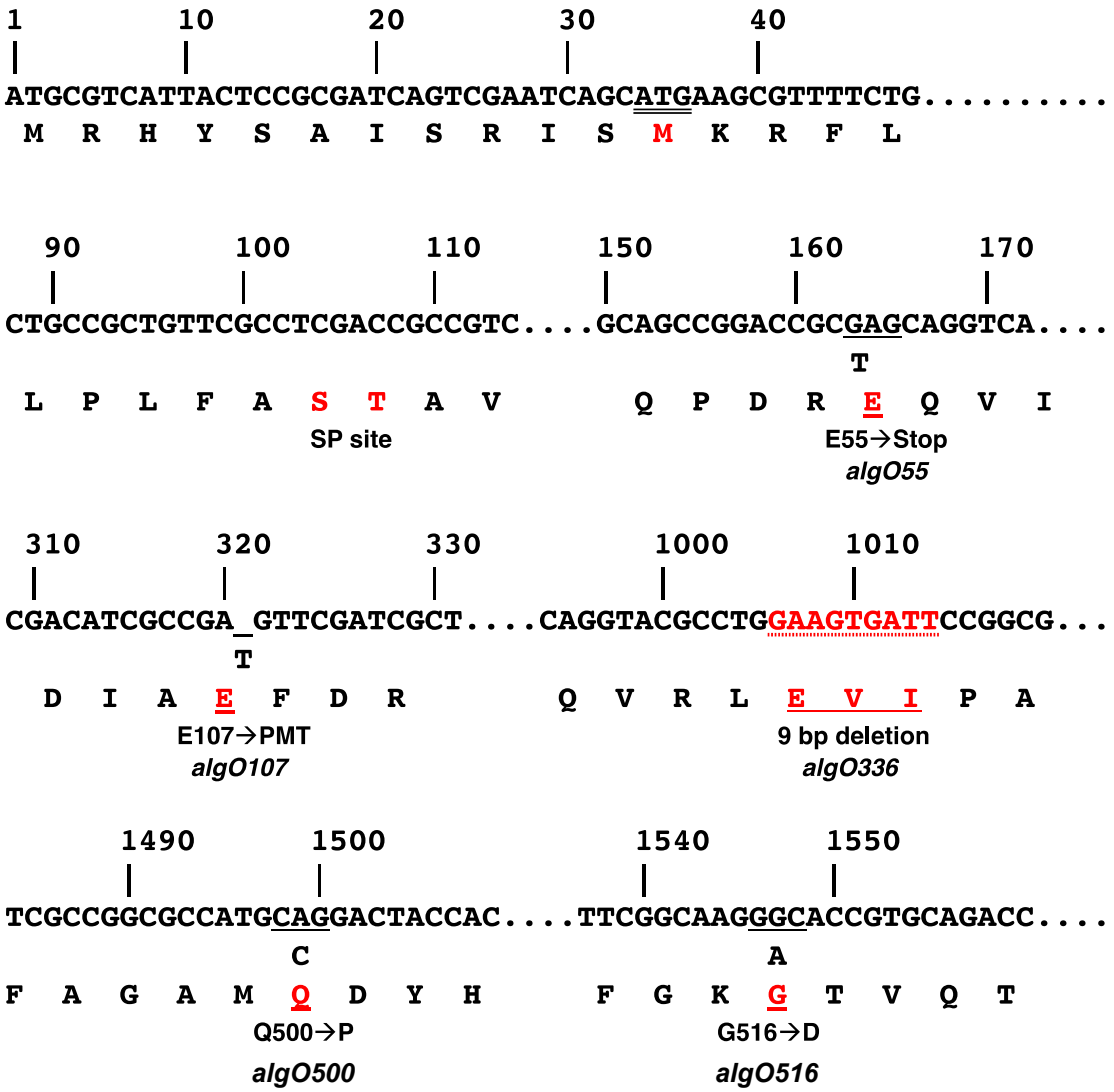

FIG S3. DNA sequences of *algO* mutations. The first nucleotide of the coding sequence is designated at 1; SP indicates the signal peptidase cleavage site. The *sap12* mutation is now designated as *algO55; sap22,26,27* and *31* are now *algO107; sap32* is now *algO336; sap 16,17,23,24* and *25* are now *algO500; sap46* and *47* are now *algO516.*