

Table 5. Intergenic mutations that occurred during chronic airways infection in patient 1

Mutation no. in Fig. 1*	PAO1 annotation no. with 5' untranslated region containing the mutation [†]	Gene name (alternate gene name)	Gene function	Functional category	Type of mutation	Distance from mutation to transcription start site of gene, bp	Nucleotide prior to mutation	Nucleotide after mutation	Notes
m7	PA3476	<i>rhII</i>	autoinducer synthesis protein	quorum sensing	intergenic SNP	50	A	C	
m9	PA0506		probable acyl-CoA dehydrogenase	fatty-acid metabolism		24	A	G	
m16	PA4937.1		tRNA-Leu	tRNA	intergenic 216bp insertion	293	-	-	Duplicates a tRNA-Leu
m34	PA4277.1		tRNA-Thr	tRNA	intergenic SNP		T	C	
m35	PA4221	<i>fptA</i>	Fe(III)-pyochelin outer membrane receptor precursor	iron transport	intergenic SNP	11	G	A	
m47	PA1873		hypothetical protein		intergenic 1bp deletion	293	TTTTT	TTTT	
	PA1874		hypothetical protein			208			
m50	PA0428	<i>(rhIE)</i>	probable ATP-dependent RNA helicase	transcription	intergenic 1bp deletion	221	GGGGGGG	GGGGGG	

Mutation no. in Fig. 1*	PAO1 annotation no. with 5' untranslated region containing the mutation [†]	Gene name (alternate gene name)	Gene function	Functional category	Type of mutation	Distance from mutation to transcription start site of gene, bp	Nucleotide prior to mutation	Nucleotide after mutation	Notes
m51	PA0407	<i>gshB</i>	glutathione synthetase		intergenic SNP	59	G	A	
	PA0408	<i>pilG</i>	twitching motility protein	virulence, motility		196			
s12	PA2264		conserved hypothetical protein		intergenic 10bp deletion	163	CCGGCGCG GC	-	

SNP, single-nucleotide polymorphism.

*Mutations present in the 96-month isolate, 35, are numbered m1–m68, and mutations present only in intermediate isolates are numbered s1–s17.

[†]Two genes are listed for a single intergenic mutation when both genes are transcribed in opposite orientations and share the intergenic region in their transcription start sites.