Table S1: List of *P. aeruginosa* genes homologous to genes involved in ChoP biosynthesis, expression or metabolism in other microorganisms.

Gene locus *	Gene name	Protein	Gene homolog
PA2372	-	hypothetical protein PA2372	*licA*
PA0361	-	probable gamma-glutamyltranspeptidase precursor	*licA*
PA4745	*nusA*	transcription elongation factor NusA	*licA*
PA3858	-	probable amino acid-binding protein	*licA*
PA1114	-	hypothetical protein PA1114	*licA*
PA1227	-	hypothetical protein PA1227	*licA*
PA5317	-	probable binding protein component of ABC dipeptide transporter	*licA*
PA4929	-	hypothetical protein PA4929	*licA*
PA3889	-	probable binding protein component of ABC transporter	*licB*
PA2090	-	hypothetical protein PA2090	*licB*
PA1060	-	hypothetical protein PA1060	*licB*
PA1882	-	probable transporter	*licB*
PA1519	-	probable transporter	*licB*
PA4719	-	probable transporter	*licB*
PA5530	-	probable MFS dicarboxylate transporter	*licB*
PA2735	-	probable restriction-modification system protein	*licB*
PA2018	-	multidrug efflux protein	*licB*
PA3358	-	hypothetical protein PA3358	*licB*
PA2965	*fabF1*	3-oxoacyl-(acyl carrier protein) synthase II	*licB*
PA2530	-	hypothetical protein PA2530	*licB*
PA1784	-	hypothetical protein PA1784	*licC*
PA0597	-	probable nucleotidyl transferase	*licC*
PA2023	*galU*	UTP--glucose-1-phosphate uridylyltransferase	*licC*
PA1090	-	hypothetical protein PA1090	*licC*
PA0486	-	predicted kinase	*licC*
PA5163	*rmlA*	glucose-1-phosphate thymidylyltransferase	*licC*
PA3649	-	hypothetical protein PA3649	*licC*
PA2536	-	probable phosphatidate cytidylyltransferase	*licD*
PA5375	*betT1*	choline transporter BetT	*betT*
PA3933	-	probable choline transporter	*betT*
PA5291	-	probable choline transporter	*betT*
PA5211	-	hypothetical protein PA5211	*betT*
PA3579	-	probable carbohydrate kinase	*betT*
PA0192	-	probable TonB-dependent receptor	*betT*
PA4072	-	probable amino acid permease	*betT*
PA0343	-	hypothetical protein PA0343	*betT*
PA0438	*codB*	cytosine permease	*betT*
PA4233	-	probable major facilitator superfamily	*betT*
PA1693	*pscR*	type III secretion system protein	*betT*
PA3341	-	probable transcriptional regulator	*betT*
PA1446	*fliP*	flagellar biosynthesis protein FliP	*betT*
PA1147	-	probable amino acid permease	*betT*
PA0592	*ksgA*	dimethyladenosine transferase	*pmtA*
PA4088	-	aminotransferase	*pmtA*
PA5063	*ubiE*	ubiquinone /menaquinone biosynthesis methyltransferase	*pmtA*
PA0798	*pmtA*	phospholipid methyltransferase	*pmtA*
PA0547	-	probable transcriptional regulador	*pmtA*
PA3171	*ubiG*	3-demethylubiquinone-9 3-methyltransferase	*pmtA*
PA3624	*pcm*	protein-L-isoaspartate O-methyltransferase	*pmtA*
PA3487	*pldA*	phospholipase D	*pmtA*
PA2118	*ada*	O6-methylguanine-DNA methyltransferase	*pmtA*
PA4664	*hemK*	probable methyl transferase	*pmtA*
PA0412	*pilK*	methyltransferase PilK	*pmtA*
PA0774	-	hypothetical protein PA0774	*pmtA*
PA3164	-	3-phosphoshikimate 1-carboxyvinyltransferase prephenate pehydrogenase	*pcs*
PA2799	-	hypothetical protein PA2799	*pcs*
PA3346		probable two-component response regulator	*pcs*
PA3857	*pcs*	phosphatidylcholine synthase	*pcs*
PA2541	-	probable CDP-alcohol phosphatidyltransferase	*pcs*
PA2089	-	hypothetical protein PA2089	*pcs*
PA0224	-	hypothetical protein PA0224	*pcs*
PA4517	-	conserved hypothetical protein	*pptA*

* Gene locus in PAO1