

Supplementary Tables

Table S1. Colony appearance of *Pseudomonas* spp. strains grown on selective media (King A, King B, and M63) for 5 days at 15°C.

Species	Strains	KING A	KING B	M63
<i>P. fluorescens</i>	PS37	C	C	C
	84094	B	B	C
	ITEM 17299	B	B	D
	NCPFB 1964T	C	F	C
	ITEM 17298	C	F	D
	RC1	C	C	C
	RC2	C	C	C
	RC3	C	F	C
	RC4	C	F	C
	RC5	C	C	C
<i>P. gessardii</i>	PZ20	C	F	C
	PS36	P	F	C
	2A	P	F	B
<i>P. fragi</i>	PS25	C	C	C
	PS4	C	C	C
	PS20	C	C	C
<i>P. taetrolens</i>	26A	C	C	C
<i>P. lundensis</i>	25E	C	C	C
<i>P. putida</i>	RC10	C	C	C

C, cream; B, brown; F, fluorescent green; D, dark; P, pink.

Table S4. List of proteins involved in pyomelanin pathway

Gene Name	Protein ID	Product
<i>aroE</i>	PROKKA_00590	shikimate 5-dehydrogenase
<i>trpE</i>	PROKKA_04707	anthranilate synthase component I
<i>trpB</i>	PROKKA_00578	tryptophan synthase subunit beta
<i>trpC</i>	PROKKA_04711	indole-3-glycerol-phosphate synthase
<i>phhA</i>	PROKKA_01785	phenylalanine 4-monooxygenase
<i>phhB</i>	PROKKA_01786	pterin-4-alpha-carbinolamine dehydratase
<i>phhC</i>	PROKKA_01787	aromatic-amino-acid aminotransferase
<i>pyrE</i>	PROKKA_03334	orotate phosphoribosyltransferase
<i>pyrC</i>	PROKKA_04036	dihydroorotase
<i>pyrD</i>	PROKKA_02015	dihydroorotate dehydrogenase 2
<i>lolA</i>	PROKKA_02658	outer membrane lipoprotein carrier protein LolA
<i>ispH</i>	PROKKA_03878	4-hydroxy-3-methylbut-2-enyl diphosphate reductase
<i>tyrB</i>	PROKKA_01326	aromatic-amino-acid aminotransferase
<i>hpd</i>	PROKKA_05182	4-hydroxyphenylpyruvate dioxygenase
<i>hmgA</i>	PROKKA_01667	homogentisate 1,2-dioxygenase
<i>fahA</i>	PROKKA_01666	fumaryl acetoacetase
<i>zwf</i>	PROKKA_05652	glucose-6-phosphate dehydrogenase
<i>aroB</i>	PROKKA_03075	NAD ⁺ dependent 3-dehydroquinate synthase
<i>hatA/mlaF</i>	PROKKA_01064	ABC transporter ATP-binding protein
<i>hatB/mlaE</i>	PROKKA_01065	phospholipid ABC transporter permease protein MlaE
<i>hatC/mlaD</i>	PROKKA_01066	phospholipid ABC transporter-binding protein MlaD
<i>hatD/mlaC</i>	PROKKA_01067	phospholipid-binding protein MlaC precursor
<i>hatE</i>	PROKKA_01068	hypothetical protein

Table S5. List of protein involved in pyoverdine metabolism

Gene Name	ITEM 17298 Protein ID	Product	Ref seq <i>P. aeruginosa</i> PAO-1	Protein Identity (%)
<i>pvdQ</i>	PROKKA_00251	3-oxo-C12-homoserine lactone acylase PvdQ	NP_251075.1	55
<i>ccmF</i>	PROKKA_00362	cytochrome C-type biogenesis protein CcmF	NP_250171.1	85
<i>ccmC</i>	PROKKA_00365	heme exporter protein CcmC	NP_250168.1	86
<i>cc4</i>	PROKKA_00533	cytochrome c4 precursor	NP_254177.1	79
<i>pvdS</i>	PROKKA_01590	Sigma factor PvdS, controlling pyoverdinin biosynthesis	NP_251116.1	90
<i>pvdL</i>	PROKKA_01592	peptide synthase	NP_251114.1	74
<i>opmQ</i>	PROKKA_02491	probable outer membrane protein precursor	NP_251081.1	62
<i>pvdT</i>	PROKKA_02492	Pyoverdinin biosynthesis protein PvdT	NP_251080.1	81
<i>pvdR</i>	PROKKA_02493	Pyoverdinin biosynthesis protein PvdR	NP_251079.1	70
<i>fpvI</i>	PROKKA_02494	Sigma-70 factor FpvI	NP_251077.1	75
<i>pvdA</i>	PROKKA_02495	L-ornithine 5-monooxygenase	NP_251076.1	75
	PROKKA_04133	conserved hypothetical protein	NP_251102.1	85
<i>pvdH</i>	PROKKA_04134	L-2,4-diaminobutyrate:2-ketoglutarate 4-aminotransferase, PvdH	NP_251103.1	83
<i>fpvF</i>	PROKKA_04601	ABC transporter in pyoverdinin gene cluster, periplasmic component	NP_251100.1	57
<i>fpvE</i>	PROKKA_04602	ABC transporter in pyoverdinin gene cluster, permease component	NP_251099.1	89
<i>fpvD</i>	PROKKA_04603	ABC transporter in pyoverdinin gene cluster, ATP-binding component	NP_251098.1	75

<i>fpvK</i>	PROKKA_04605	Hypothetical protein in pyoverdine gene cluster	NP_251096.1	49
<i>fpvJ</i>	PROKKA_04606	Hypothetical protein in pyoverdine gene cluster	NP_251095.1	78
<i>fpvG</i>	PROKKA_04608	Hypothetical protein FpvG	NP_251093.1	70
<i>pcpS</i>	PROKKA_05097	4'-phosphopantetheinyl transferase	NP_249856.1	65
<i>fpvA</i>	PROKKA_05370	ferripyoverdine receptor	NP_251088.1	66
<i>pvdE</i>	PROKKA_05371	pyoverdine biosynthesis protein PvdE	NP_251087.1	81
<i>pvdF</i>	PROKKA_05372	pyoverdine synthetase F	NP_251086.1	79
<i>pvdO</i>	PROKKA_05373	pyoverdine biosynthesis protein PvdO	NP_251085.1	73
<i>pvdN</i>	PROKKA_05374	Pyoverdine biosynthesis protein PvdN, putative aminotransferase, class V	NP_251084.1	61
<i>pvdM</i>	PROKKA_05375	Putative dipeptidase, pyoverdine biosynthesis PvdM	NP_251083.1	76
<i>pvdP</i>	PROKKA_05376	pyoverdine biosynthesis protein pvdP	NP_251082.1	67
<i>lysC</i>	PROKKA_01890	Aspartokinase	NP_249595.1	89
<i>asd</i>	PROKKA_05531	Aspartate-semialdehyde dehydrogenase	NP_251807.1	90
<i>doeD</i>	PROKKA_04061	Diaminobutyrate-2-oxoglutarate aminotransferase	NA*	-
<i>tonB</i>	PROKKA_01603	putative TonB-dependent receptor precursor	NP_249472.1	71
<i>tonB</i>	PROKKA_04286	putative TonB-dependent receptor BfrD precursor	NP_249125.1	63
<i>phuR</i>	PROKKA_04650	Hemin receptor precursor	NP_253398.1	65

*NA: not annotated