

Supplementary Material

Pages 1-19 Supplementary Tables S1-S2

Pages 20-21 Supplementary Figure S1-S2

Supplementary Tables

Table S1. Genes that are significantly downregulated in *AbrlR* biofilms compared to *P. aeruginosa* PAO1 biofilms.

PAO1 PA number	Gene name	Fold change ([<i>brlR</i> mutant] vs [wild-type])
PA2493	<i>mexE</i>	-286.0
PA2494	<i>mexF</i>	-194.0
PA4881		-79.9
PA2759		-65.8
PA4623		-61.0
PA2495	<i>oprN</i>	-54.6
PA3229		-49.9
PA2850	<i>ohr</i>	-42.8
PA0532		-39.4
PA1970		-33.6
PA3496		-29.2
PA0874		-24.1
PA4084		-18.6
PA1393	<i>cysC</i>	-16.0
PA3218		-16.0
ig 4956733 4956028		-15.8
PA1343		-15.0
PA0128		-13.3
PA0160		-13.3
ig 3475169 3475955		-12.0
ig 5308424 5309325		-12.0
PA4033		-11.8
PA4354		-10.1
Pae tRNA Leu s		-10.1
PA3591		-9.9
PA2808		-9.5
PA1942		-9.2
PA2501		-9.2
PA4683		-9.1
PA2853	<i>oprI</i>	-9.0
PA0425	<i>mexA</i>	-9.0
PA0426	<i>mexB</i>	-8.9
PA4612		-8.9
PA2491		-8.8

PA0714		-8.5
PA5404		-8.5
PA2350		-8.4
PA0713		-8.1
ig 3087490 3088659		-8.0
PA1747		-7.7
PA2486		-7.7
PA2849		-7.7
PA3051		-7.7
PA1963		-7.5
PA5102		-7.5
PA4611		-7.3
ig 4629184 4629943		-7.3
ig 5243177 5242558		-7.1
Pae tRNA Asn s		-7.0
PA0823		-6.9
PA2835		-6.9
PA4621		-6.9
PA0982		-6.7
PA4121		-6.6
ig 629884 630527		-6.5
PA3531	<i>bfrB</i>	-6.4
PA0427	<i>oprM</i>	-6.4
PA4139		-6.4
PA1498	<i>pykF</i>	-6.2
PA5348		-6.2
PA4836		-6.1
PA1431	<i>rsaL</i>	-6.0
PA3309		-6.0
PA3621	<i>fdxA</i>	-6.0
PA4596		-6.0
PA1690	<i>pscU</i>	-5.8
PA4166		-5.7
PA0491		-5.6
PA4898		-5.6
Pae tRNA Ala f		-5.6
PA1168		-5.4
PA2619	<i>infA</i>	-5.4
PA2826		-5.4
Pae tRNA Cys i		-5.4
PA5191		-5.3
PA5352		-5.3
PA0906		-5.2
PA3009		-5.2
ig 5541409 5542072		-5.2
PA0978		-5.1
PA3840		-5.1
PA0453		-4.9
PA1333		-4.9
PA1347		-4.8
PA2805		-4.8
PA3524	<i>gloA1</i>	-4.8
ig 5242558 5243177		-4.8
ig 901934 901046		-4.8

PA0499		-4.7
PA1159		-4.7
PA2556		-4.7
PA3031		-4.7
PA0443		-4.6
PA2827		-4.6
PA3006		-4.6
PA4878		-4.6
Pae tRNA Phe f		-4.6
PA0826		-4.5
PA2807		-4.5
PA4571		-4.5
PA5446		-4.5
ig 2558918 2557964 s		-4.5
PA0683		-4.4
PA1673		-4.4
PA1830		-4.4
ig 546334 545644		-4.4
PA1414		-4.3
PA1744		-4.3
PA2819		-4.3
PA4356	<i>xenB</i>	-4.3
PA4697		-4.3
PA1076		-4.2
PA1633	<i>kdpA</i>	-4.2
PA2755	<i>eco</i>	-4.2
PA0523	<i>norC</i>	-4.1
PA0529		-4.1
PA0579	<i>rpsU</i>	-4.1
PA0918		-4.1
PA1053		-4.1
PA1123		-4.1
PA1309		-4.1
PA2128		-4.1
PA3067		-4.1
PA4737		-4.1
Pae tRNA Val f		-4.1
ig 2893827 2894451		-4.1
ig 630527 629884		-4.1
PA0464	<i>creC</i>	-4.0
PA3915	<i>moaB1</i>	-4.0
PA4577		-4.0
PA2582		-3.9
PA2851	<i>efp</i>	-3.9
PA3572		-3.9
PA4575		-3.9
PA0867		-3.8
PA2622	<i>cspD</i>	-3.8
PA3136		-3.8
PA3412		-3.8
PA5288	<i>glnK</i>	-3.8
PA5407		-3.8
PA2801		-3.7
PA3880		-3.7

PA4610		-3.7
PA0822		-3.6
PA1743		-3.6
PA1761		-3.6
PA2506		-3.6
PA4591		-3.6
PA4870		-3.6
PA4876	<i>osmE</i>	-3.6
PA4877		-3.6
Pae 5SrRNA s		-3.6
PA0181		-3.5
PA0237		-3.5
PA0505		-3.5
PA1579		-3.5
PA1695	<i>pscP</i>	-3.5
PA1936		-3.5
PA2016		-3.5
PA2174		-3.5
PA2668		-3.5
PA2738	<i>himA</i>	-3.5
PA2753		-3.5
PA4063		-3.5
PA4614	<i>mscL</i>	-3.5
PA5285		-3.5
PA5385		-3.5
PA0234		-3.4
PA1185		-3.4
PA1847		-3.4
PA2132		-3.4
PA2825		-3.4
PA2953		-3.4
PA4587	<i>ccpR</i>	-3.4
PA4874		-3.4
PA5226		-3.4
PA5308	<i>lrp</i>	-3.4
ig 3206252 3206914		-3.4
PA0320		-3.3
PA1749		-3.3
PA1852		-3.3
PA2761		-3.3
PA4031	<i>ppa</i>	-3.3
PA4738		-3.3
PA5316	<i>rpmB</i>	-3.3
PA0359		-3.2
PA1198		-3.2
PA1366		-3.2
PA1571		-3.2
PA1884		-3.2
PA1965		-3.2
PA2960	<i>pilZ</i>	-3.2
PA3894		-3.2
PA4104		-3.2
PA4235	<i>bfr</i>	-3.2
PA4731	<i>panD</i>	-3.2

PA5148		-3.2
PA5315	<i>rpmG</i>	-3.2
PA5416	<i>soxB</i>	-3.2
Pae tRNA Ile f		-3.2
PA0012		-3.1
PA0200 i		-3.1
PA0238		-3.1
PA0515		-3.1
PA0526		-3.1
PA0941		-3.1
PA1172	<i>napC</i>	-3.1
PA2422		-3.1
PA2757		-3.1
PA2813		-3.1
PA3757		-3.1
PA4086		-3.1
PA4146		-3.1
PA4315	<i>mvaT</i>	-3.1
PA4463		-3.1
PA5353	<i>glcF</i>	-3.1
PA5410		-3.1
PA5467		-3.1
ig 1205771 1204781		-3.1
ig 6090705 6092045		-3.1
PA0125		-3.0
PA0243		-3.0
PA1564		-3.0
PA1604		-3.0
PA2485		-3.0
PA2663		-3.0
PA3205		-3.0
PA3394	<i>nosF</i>	-3.0
PA3740		-3.0
PA4326		-3.0
PA4421		-3.0
PA4568	<i>rplU</i>	-3.0
PA4607		-3.0
PA4980		-3.0
PA0219		-2.9
PA0252		-2.9
PA0656		-2.9
PA0827		-2.9
PA1034		-2.9
PA1195		-2.9
PA2375		-2.9
PA2567		-2.9
PA2754		-2.9
PA2899		-2.9
PA3451		-2.9
PA3530		-2.9
PA3842		-2.9
PA3990		-2.9
PA4473		-2.9
PA4641		-2.9

PA5137		-2.9
PA5347		-2.9
PA5355	<i>glcD</i>	-2.9
PA5388		-2.9
PA5431		-2.9
ig 1948502 1947041		-2.9
PA0518	<i>nirM</i>	-2.8
PA0519	<i>nirS</i>	-2.8
PA0654	<i>speD</i>	-2.8
PA0806		-2.8
PA1035		-2.8
PA1132		-2.8
PA1328		-2.8
PA1348		-2.8
PA1592		-2.8
PA1999		-2.8
PA2065	<i>pcoA</i>	-2.8
PA2082		-2.8
PA2460		-2.8
PA2484		-2.8
PA2517	<i>xylY</i>	-2.8
PA2719		-2.8
PA2812		-2.8
PA2880		-2.8
PA2883		-2.8
PA3055		-2.8
PA3337	<i>rfaD</i>	-2.8
PA3819		-2.8
PA4395		-2.8
PA4764	<i>fur</i>	-2.8
PA4989		-2.8
PA5062		-2.8
PA5230		-2.8
PA5240	<i>trxA</i>	-2.8
PA5246		-2.8
PA5274	<i>rnk</i>	-2.8
PA5300	<i>cycB</i>	-2.8
ig 2281578 2282480		-2.8
ig 2557964 2558918 s		-2.8
PA0224		-2.7
PA0245	<i>aroQ2</i>	-2.7
PA0514	<i>nirL</i>	-2.7
PA0821		-2.7
PA0983		-2.7
PA1550		-2.7
PA1746		-2.7
PA3046		-2.7
PA3216		-2.7
PA3338		-2.7
PA3392	<i>nosZ</i>	-2.7
PA3533		-2.7
PA3841	<i>exoS</i>	-2.7
PA4466		-2.7
PA4739		-2.7

PA5254		-2.7
PA5332	<i>crc</i>	-2.7
ig 1996806 1997509		-2.7
ig 3526677 3527428		-2.7
PA0315		-2.6
PA0574		-2.6
PA0731		-2.6
PA1191		-2.6
PA1315		-2.6
PA1748		-2.6
PA1789		-2.6
PA1831		-2.6
PA2666		-2.6
PA2675		-2.6
PA2783		-2.6
PA2935		-2.6
PA3601		-2.6
PA3662		-2.6
PA4765	<i>omlA</i>	-2.6
PA5026		-2.6
PA5127		-2.6
PA5289		-2.6
PA5533		-2.6
ig 2342493 2341640		-2.6
PA0141		-2.5
PA0162		-2.5
PA0310		-2.5
PA0329		-2.5
PA0406		-2.5
PA0560		-2.5
PA0709		-2.5
PA0916		-2.5
PA1388		-2.5
PA1471		-2.5
PA1574		-2.5
PA1603		-2.5
PA1793	<i>ppiB</i>	-2.5
PA1968		-2.5
PA2031		-2.5
PA2126		-2.5
PA2380		-2.5
PA2718		-2.5
PA3385		-2.5
PA3497		-2.5
PA3584	<i>glpD</i>	-2.5
PA3717		-2.5
PA3965		-2.5
PA4348		-2.5
PA4441		-2.5
PA4459		-2.5
PA4620		-2.5
PA4711		-2.5
PA4736		-2.5
PA5039	<i>aroK</i>	-2.5

PA5351		-2.5
ig 3116653 3115632		-2.5
ig 4326394 4327696		-2.5
ig 69272 68616		-2.5
PA0019	<i>def</i>	-2.4
PA0021		-2.4
PA0117		-2.4
PA0225		-2.4
PA0511	<i>nirJ</i>	-2.4
PA0520	<i>nirQ</i>	-2.4
PA0791		-2.4
PA0905	<i>csrA</i>	-2.4
PA0995	<i>ogt</i>	-2.4
PA1008	<i>bcp</i>	-2.4
PA1100	<i>fliE</i>	-2.4
PA1110		-2.4
PA1119		-2.4
PA1269		-2.4
PA1518		-2.4
PA1533		-2.4
PA1692		-2.4
PA1725	<i>pscL</i>	-2.4
PA1835		-2.4
PA1863	<i>modA</i>	-2.4
PA1967		-2.4
PA2029		-2.4
PA2190		-2.4
PA2625		-2.4
PA2989		-2.4
PA3248		-2.4
PA3347		-2.4
PA3430		-2.4
PA3517		-2.4
PA3602		-2.4
PA3843		-2.4
PA4198		-2.4
PA4569	<i>ispB</i>	-2.4
PA4592		-2.4
PA4661		-2.4
PA4856		-2.4
PA5028		-2.4
PA5029		-2.4
PA5066	<i>hisI</i>	-2.4
PA5178		-2.4
PA5179		-2.4
PA5208		-2.4
PA5227		-2.4
PA5233		-2.4
PA5292		-2.4
PA5301		-2.4
PA5306		-2.4
PA5371		-2.4
ig 2901558 2902217		-2.4
ig 53521 56546		-2.4

PA0015		-2.3
PA0139	<i>ahpC</i>	-2.3
PA0250		-2.3
PA0362	<i>fdxI</i>	-2.3
PA0363	<i>coaD</i>	-2.3
PA0456		-2.3
PA0541		-2.3
PA0544		-2.3
PA0833		-2.3
PA0937		-2.3
PA0940		-2.3
PA1354		-2.3
PA1490		-2.3
PA1526		-2.3
PA1556		-2.3
PA1706	<i>pcrV</i>	-2.3
PA1913		-2.3
PA1954		-2.3
PA2637	<i>nuoA</i>	-2.3
PA2667		-2.3
PA2820		-2.3
PA2834		-2.3
PA2970	<i>rpmF</i>	-2.3
PA3033		-2.3
PA3276		-2.3
PA3463		-2.3
PA3495	<i>nth</i>	-2.3
PA3529		-2.3
PA3610	<i>potD</i>	-2.3
PA3791		-2.3
PA3833		-2.3
PA3927		-2.3
PA3959		-2.3
PA4080		-2.3
PA4111		-2.3
PA4135		-2.3
PA4306		-2.3
PA4391		-2.3
PA4753		-2.3
PA4784		-2.3
PA4987		-2.3
PA5049	<i>rpmE</i>	-2.3
PA5116		-2.3
PA5120		-2.3
PA5157		-2.3
PA5228		-2.3
PA5437		-2.3
PA5475		-2.3
ig 3115632 3116653		-2.3
PA0020		-2.2
PA0034		-2.2
PA0038		-2.2
PA0050		-2.2
PA0376	<i>rpoH</i>	-2.2

PA0436		-2.2
PA0449		-2.2
PA0463	<i>creB</i>	-2.2
PA0512		-2.2
PA0542		-2.2
PA0797		-2.2
PA0839		-2.2
PA0868		-2.2
PA0921		-2.2
PA0960		-2.2
PA1065		-2.2
PA1137		-2.2
PA1705	<i>pcrG</i>	-2.2
PA1741		-2.2
PA1769		-2.2
PA1978		-2.2
PA2379		-2.2
PA2580		-2.2
PA2591		-2.2
PA2730		-2.2
PA2737		-2.2
PA2742	<i>rpmI</i>	-2.2
PA2821		-2.2
PA3453		-2.2
PA3979		-2.2
PA4399		-2.2
PA4461		-2.2
PA4578		-2.2
PA4723	<i>dksA</i>	-2.2
PA5055		-2.2
PA5060	<i>phaF</i>	-2.2
PA5152		-2.2
PA5182		-2.2
PA5354	<i>glcE</i>	-2.2
PA5406		-2.2
PA5462		-2.2
PA5494		-2.2
PA5515		-2.2
ig 2068728 2069490		-2.2
ig 3545073 3545880		-2.2
PA0044	<i>exoT</i>	-2.1
PA0384		-2.1
PA0394		-2.1
PA0398		-2.1
PA0559		-2.1
PA0565		-2.1
PA0876		-2.1
PA0955		-2.1
PA1070	<i>braG</i>	-2.1
PA1435		-2.1
PA1674	<i>folE2</i>	-2.1
PA1696	<i>pscO</i>	-2.1
PA1806	<i>fabI</i>	-2.1
PA2127		-2.1

PA2457		-2.1
PA2864		-2.1
PA3369		-2.1
PA3435		-2.1
PA3522		-2.1
PA3585	<i>glpM</i>	-2.1
PA3748		-2.1
PA3764		-2.1
PA3765		-2.1
PA3978		-2.1
PA4360		-2.1
PA4460		-2.1
PA4493		-2.1
PA4517		-2.1
PA4546	<i>pilS</i>	-2.1
PA4567	<i>rpmA</i>	-2.1
PA4639		-2.1
PA4768	<i>smpA</i>	-2.1
PA5020		-2.1
PA5027		-2.1
PA5133		-2.1
PA5183		-2.1
PA5195		-2.1
PA5396		-2.1
PA5411		-2.1
PA5492		-2.1
ig 2918966 2918211		-2.1
ig 3546926 3547688		-2.1
ig 5542072 5541409		-2.1
ig 721556 727608 s		-2.1
PA0409	<i>pilH</i>	-2.0
PA0943		-2.0
PA0985		-2.0
PA1013	<i>purC</i>	-2.0
PA1263		-2.0
PA1517		-2.0
PA1520		-2.0
PA1618		-2.0
PA1718	<i>pscE</i>	-2.0
PA2119		-2.0
PA2318		-2.0
PA2577		-2.0
PA2780		-2.0
PA2992		-2.0
PA3243	<i>minC</i>	-2.0
PA3289		-2.0
PA3523		-2.0
PA3639	<i>accA</i>	-2.0
PA3808		-2.0
PA3874	<i>narH</i>	-2.0
PA4040		-2.0
PA4197		-2.0
PA4377		-2.0
PA4398		-2.0

PA4403	<i>secA</i>	-2.0
PA4865	<i>ureA</i>	-2.0
PA5045	<i>ponA</i>	-2.0
PA5232		-2.0
PA5362		-2.0
ig 5207621 5208463		-2.0

Table S2. Genes that are significantly upregulated in *AbrlR* biofilms compared to *P. aeruginosa* PAO1 biofilms.

PAO1 PA number	Gene name	Fold change ([<i>brlR</i> mutant] vs [wild-type])
PA0283	<i>sbp</i>	2.0
PA0764	<i>mucB</i>	2.0
PA1134		2.0
PA2008	<i>fahA</i>	2.0
PA2112		2.0
PA3415		2.0
PA3888		2.0
PA4786		2.0
PA4917		2.0
PA5025	<i>metY</i>	2.0
PA5083		2.0
PA5486		2.0
PA0001	<i>dnaA</i>	2.1
PA0080		2.1
PA0088		2.1
PA0400		2.1
PA0911		2.1
PA1730		2.1
PA1874		2.1
PA2159		2.1
PA2171		2.1
PA2302		2.1
PA2303		2.1
PA2329		2.1
PA2395		2.1
PA2403		2.1
PA2409		2.1
PA3442		2.1
PA3446		2.1
PA3682		2.1
PA3937		2.1
PA4709		2.1
PA5219		2.1
PA5557	<i>atpH</i>	2.1

PA0100		2.2
PA0345		2.2
PA0715		2.2
PA0758		2.2
PA1148	<i>toxA</i>	2.2
PA1300		2.2
PA2062		2.2
PA2113		2.2
PA2169		2.2
PA2175		2.2
PA2179		2.2
PA2656		2.2
PA2702		2.2
PA3041		2.2
PA3617	<i>recA</i>	2.2
PA3692		2.2
PA3709		2.2
PA3890		2.2
PA4141		2.2
PA4217		2.2
PA4552	<i>pilW</i>	2.2
PA5150		2.2
PA5313		2.2
ig 3545880 3545073		2.2
ig 3649704 3648915		2.2
PA0049		2.3
PA0546	<i>metK</i>	2.3
PA1150	<i>pys2</i>	2.3
PA1246	<i>aprD</i>	2.3
PA1302		2.3
PA1732		2.3
PA2019	<i>mexX</i>	2.3
PA2147	<i>katE</i>	2.3
PA2152		2.3
PA2176		2.3
PA2198		2.3
PA2330		2.3
PA2536		2.3
PA3234		2.3
PA3443		2.3
PA4219		2.3
PA4590	<i>pra</i>	2.3
PA4707		2.3
PA5090		2.3
PA5164	<i>rmlC</i>	2.3
PA5265		2.3
PA0079		2.4
PA0910		2.4
PA1318	<i>cyoB</i>	2.4
PA2384		2.4
PA3007	<i>lexA</i>	2.4
PA3616		2.4
PA3739		2.4
PA4826		2.4

PA5161	<i>rmlB</i>	2.4
PA5556	<i>atpA</i>	2.4
PA0259		2.5
PA0472		2.5
PA0648		2.5
PA1927	<i>metE</i>	2.5
PA2066		2.5
PA2138		2.5
PA2180		2.5
PA2385		2.5
PA2386	<i>pvdA</i>	2.5
PA2531		2.5
PA3008		2.5
PA3042		2.5
PA3326		2.5
PA3416		2.5
PA3476	<i>rhlI</i>	2.5
PA3661		2.5
PA3905		2.5
PA4359		2.5
PA4916		2.5
PA4934	<i>rpsR</i>	2.5
PA4973	<i>thiC</i>	2.5
Pae tRNA Arg s		2.5
PA0085		2.6
PA0096		2.6
PA0182		2.6
PA1509		2.6
PA1914		2.6
PA2139		2.6
PA2142		2.6
PA2163		2.6
PA2195	<i>hcnC</i>	2.6
PA3293		2.6
PA3487		2.6
PA4553	<i>pilX</i>	2.6
PA4932	<i>rplI</i>	2.6
PA1000		2.7
PA1508		2.7
PA3444		2.7
PA4175		2.7
PA4469		2.7
PA4550	<i>fimU</i>	2.7
PA5089		2.7
PA0084		2.8
PA0087		2.8
PA0391		2.8
PA1319	<i>cyoC</i>	2.8
PA1912		2.8
PA2144	<i>glgP</i>	2.8
PA2153	<i>glgB</i>	2.8
PA2162		2.8
PA2164		2.8
PA2383		2.8

PA2538		2.8
PA3290		2.8
PA3292		2.8
PA3866		2.8
PA5087		2.8
PA5266		2.8
PA0086		2.9
PA0149		2.9
PA0547		2.9
PA0802		2.9
PA1002	<i>phnB</i>	2.9
PA2114		2.9
PA2160		2.9
PA2167		2.9
PA2288		2.9
PA2540		2.9
PA2657		2.9
PA3486		2.9
PA4470	<i>fumCI</i>	2.9
PA4635		2.9
PA5088		2.9
PA2170		3.0
PA2408		3.0
PA3160	<i>wzz</i>	3.0
PA4206	<i>mexH</i>	3.0
PA4227	<i>pchR</i>	3.0
PA0101		3.1
PA2158		3.1
PA2452		3.1
PA3291		3.1
PA3938		3.1
PA4221	<i>fptA</i>	3.1
PA4468	<i>sodM</i>	3.1
PA0098		3.2
PA0263	<i>HcpC</i>	3.2
PA0997		3.2
PA1301		3.2
PA2173		3.2
PA4134		3.2
PA4357		3.2
PA4781		3.2
PA5220		3.2
PA0122		3.3
PA1510		3.3
PA1891		3.3
PA2401		3.3
PA2414		3.3
PA3154	<i>wzy</i>	3.3
PA3460		3.3
PA4224		3.3
PA4226	<i>pchE</i>	3.3
PA4230	<i>pchB</i>	3.3
PA4551	<i>pilV</i>	3.3
ig 5130767 5131427		3.3

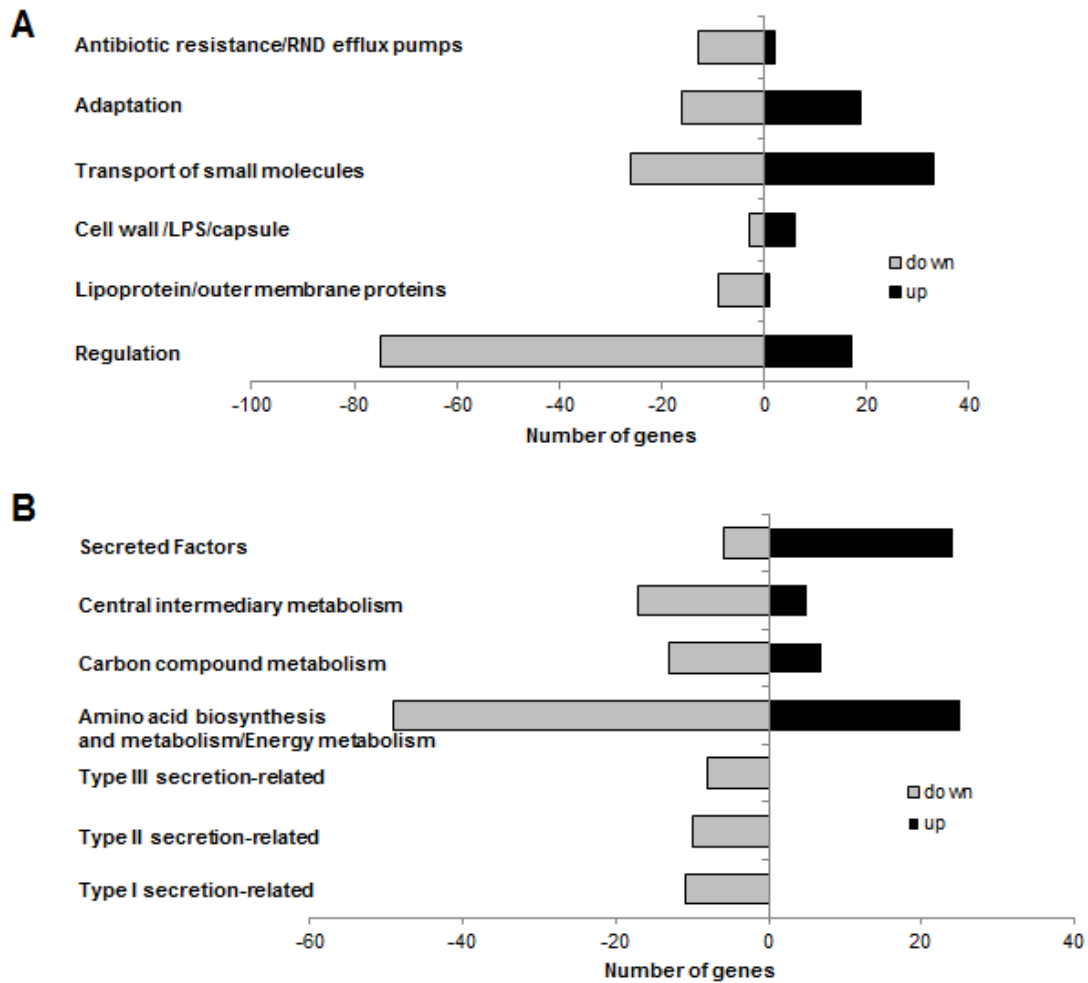
PA0996		3.4
PA0097		3.5
PA2165		3.5
PA2415		3.5
PA2427		3.5
PA2451		3.5
PA3445		3.5
PA4231	<i>pchA</i>	3.5
PA1245		3.6
PA1911		3.6
PA2193	<i>hcnA</i>	3.6
PA2399	<i>pvdD</i>	3.6
PA2400		3.6
PA2424		3.6
PA3294		3.6
PA4218		3.6
PA0643		3.7
PA0647		3.7
PA1661		3.7
PA4229	<i>pchC</i>	3.7
PA0261		3.8
PA0262		3.8
PA0613		3.8
PA0999	<i>fabH1</i>	3.8
PA2067		3.8
PA2172		3.8
PA2402		3.8
PA2425		3.8
PA2539		3.8
PA4777		3.8
PA5470		3.8
PA0260		3.9
PA2178		3.9
PA0621		4.0
PA4583		4.0
PA1001	<i>phnA</i>	4.1
PA1511		4.1
PA2140		4.1
PA2377		4.1
PA2513	<i>antB</i>	4.1
PA4133		4.1
PA4225	<i>pchF</i>	4.1
PA4584		4.1
PA1657		4.2
PA2141		4.2
PA2411		4.2
PA4205		4.2
PA4223		4.2
PA4782		4.2
PA1671	<i>stk1</i>	4.3
PA2300	<i>chiC</i>	4.3
PA2413		4.3
PA4220		4.3
PA5383		4.3

PA2412		4.4
PA5471		4.4
PA1639		4.5
PA4358		4.5
PA0641		4.6
PA0640		4.7
PA2151		4.7
PA4228	<i>pchD</i>	4.7
PA4933		4.7
PA0645		4.8
PA1663		4.8
PA0646		4.9
PA2194	<i>hcnB</i>	4.9
PA4467		4.9
PA0624		5.0
PA1656		5.0
PA1662		5.1
PA1670	<i>stp1</i>	5.1
PA2033		5.1
PA3557		5.1
PA0626		5.2
PA1871	<i>lasA</i>	5.2
PA3553		5.2
PA0998		5.3
PA0612		5.4
PA0627		5.4
PA1658		5.4
PA0615		5.5
PA0623		5.5
PA0628		5.5
PA0728		5.5
PA0636		5.6
PA3556		5.6
PA0614		5.7
PA0616		5.8
PA0617		5.8
PA0633		5.8
PA0637		5.9
PA0619		6.0
PA0634		6.0
PA0620		6.1
PA0639		6.2
PA0642		6.3
PA1669		6.3
PA0629		6.4
PA0638		6.5
PA3555		6.5
PA0618		6.6
PA0644		6.6
PA4776		6.7
PA0622		6.8
PA0631		6.9
PA0635		6.9
PA1668		7.0

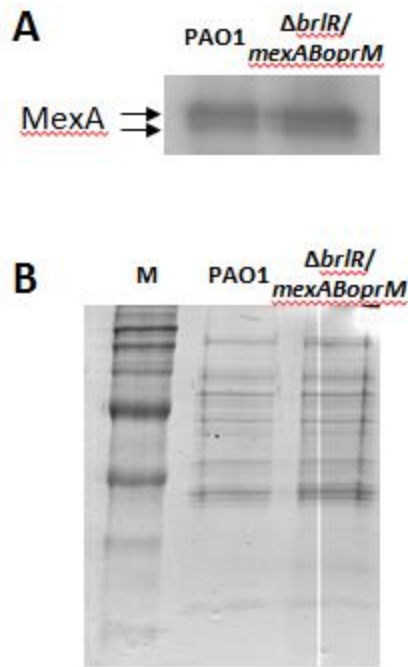
PA0625		7.2
PA2034		7.2
PA0630		7.3
PA3554		7.3
PA3578		7.3
PA4582		7.4
PA1130		7.5
PA1660		7.5
PA1666		7.5
PA1667		7.6
PA1131		7.8
PA1665		7.9
PA0632		8.0
PA1905		8.2
ig 788253 789144		8.4
PA1179	<i>phoP</i>	8.9
PA4210		9.1
PA3724	<i>lasB</i>	9.2
PA1659		9.6
PA1664		9.6
PA3361		9.8
PA2570	<i>palL</i>	10.3
PA3558		10.6
PA3559		10.6
PA2068		11.0
PA3331		11.4
PA4775		12.4
PA2069		12.7
PA1904		13.5
PA3329		13.5
PA1903		13.7
PA1901		14.2
PA3328		14.2
PA3330		14.6
PA0727		15.1
PA3334		15.1
PA3336		15.1
PA1559		15.5
PA1560		15.7
PA3335		16.7
PA3327		17.1
PA3332		17.8
PA3333	<i>fabH2</i>	18.1
PA4211		19.6
PA1902		19.8
PA0722		26.7
PA3478	<i>rhlB</i>	29.2
PA0723	<i>coaB</i>	34.1
PA4774		34.1
PA0724		35.5
PA0726		35.8
PA0720		38.3
PA4773		41.1
PA0717		41.4

PA0725		41.9
PA3479	<i>rhlA</i>	43.7
PA1178	<i>oprH</i>	47.5
PA0718		50.6
PA0719		54.6
PA0721		78.8

Supplementary Figures



Suppl. Figure S1. Genome-wide transcriptional profiling in *P. aeruginosa* PAO1 and $\Delta brlR$ biofilms using Genomic Microarray. (A, B) Overview of differentially expressed genes based on selected categories. The complete data set is provided in Supplemental Tables S1-S2. down, less expressed in $\Delta brlR$ biofilms compared to wild type biofilms; up, higher expression levels were detected in $\Delta brlR$ biofilms compared to wild type biofilms.



Suppl. Figure S2. Plasmid-borne expression of *mexAB-oprM* in $\Delta brlR$ restores MexA levels to that observed in *P. aeruginosa* PAO1 wild type biofilms. (A) Immunoblot probed with anti-MexA antibodies. (B) SDS-gel image demonstrating comparable loading of total cells extract used for immunoblot analysis. SDS-gel was stained post immunoblotting. A total of 10 μ g of total cell extract was loaded per lane and strain.