<table>
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<tr>
<th>Gene</th>
<th>Hours post induction (log₂(induced/un-induced))</th>
<th>Gene Function</th>
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<td>-0.58</td>
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<tr>
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<td>0.04</td>
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<tr>
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<td>Expression Change</td>
<td>Description</td>
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</table>
| purK | 0.11 -0.18 -0.11 -0.23 -0.01 0.21 -0.05 | "phosphoribosylaminomimidazole carboxylase = AIR carboxylase, CO [b0522]"
| purL | 0.02 -0.37 0.18 -0.04 -0.01 0.10 0.09 | phosphoribosylformyl-glycineamide synthetase = FGAM synthetase [b2557]
| purM | -0.35 -0.34 0.20 0.06 -0.33 0.06 -0.10 | phosphoribosylaminomimidazole synthetase = AIR synthetase [b2499]
| purN | -0.14 -0.40 -0.15 0.04 -0.26 0.17 -0.70 | Phosphoribosylglycinamide formyltransferase [c_3018]
| purR | -0.03 -0.26 1.19 1.38 1.15 1.30 1.35 | "transcriptional repressor for pur regulon, glyA, glnB, prsA, speA [b1658]"
| purT | -0.08 -0.22 -0.38 -0.21 0.41 -0.10 0.09 | phosphoribosylglycinamide formyltransferase 2 [b1849]
| purU | 0.24 -0.06 -0.12 -0.33 0.06 1.37 1.10 | formyltetrahydrofolate deformylase; for purT-dependent FGAR synthesis [b1232]

### ATP synthase genes

<table>
<thead>
<tr>
<th>Gene</th>
<th>Expression Change</th>
<th>Description</th>
</tr>
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</table>
| atpA | -1.33 -0.65 -0.10 0.06 -0.30 0.09 0.43 | "membrane-bound ATP synthase, F1 sector, alpha-subunit [b3734]"
| atpB | -1.13 -0.79 0.12 0.52 0.32 1.52 1.42 | "membrane-bound ATP synthase, F0 sector, subunit a [b3738]"
| atpC | 0.00 -0.14 -0.67 -0.93 -0.58 -1.38 -0.67 | "membrane-bound ATP synthase, F1 sector, epsilon-subunit [b3731]"
| atpD | -0.15 0.30 -1.14 -0.89 -0.45 -1.39 -0.36 | "membrane-bound ATP synthase, F1 sector, beta-subunit [b3732]"
| atpE | -0.07 -0.56 -0.45 -0.38 -0.43 0.26 0.54 | "membrane-bound ATP synthase, F0 sector, subunit c [b3737]"
| atpF | -0.34 -0.04 -0.02 0.25 0.27 0.14 0.43 | "membrane-bound ATP synthase, F0 sector, subunit b [b3736]"
| atpG | -0.30 0.34 -0.54 -0.77 -1.07 -1.08 -0.65 | "membrane-bound ATP synthase, F1 sector, gamma-subunit [b3733]"
| atpH | -0.40 -0.57 -0.30 -0.08 -0.15 0.23 0.51 | "membrane-bound ATP synthase, F1 sector, delta-subunit [b3735]"
| atpI | -0.45 -1.08 0.96 -0.34 0.42 0.37 2.24 | "membrane-bound ATP synthase, dispensable protein, affects expression of atpB [b3739]"
| zntA | 0.18 -0.48 -1.17 -0.13 -0.37 -0.16 -0.41 | zinc-transporting ATPase [b3469]
| mgtA | 0.18 -0.28 -0.58 -0.46 -0.30 0.25 0.26 | "Mg2+ transport ATPase, P-type 1 [b4242]"
| fliI | 0.77 -0.02 1.04 0.48 1.09 0.01 1.27 | flagellum-specific ATP synthase [b1941]
| Rho | -0.22 0.69 0.07 0.06 -0.49 0.98 0.61 | transcription termination factor Rho; polarity suppressor [b3783]"