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| nitrogenase (<i>nifD</i>) (<i>nifH</i>) (<i>nifK</i>) | K02586 K02588 K02591 | <i>Epsilonproteobacteria</i> |
| nitric oxide reductase (<i>norB</i>) (<i>norC</i>) | K02305 K04561 | <i>Gammaproteobacteria</i> |
| nitrous oxide reductase (<i>nosZ</i>) | K00376 | |
| nitrite reductase (<i>nrfA</i>) | K03385 | <i>Cytophagia</i> |
| hydroxylamine oxidase | K10535 | <i>Deltaproteobacteria</i> |
| glutamate dehydrogenase (<i>gdhA</i>) | K00260 K00261 K00262 | <i>Alphaproteobacteria</i> <i>Gammaproteobacteria</i> |
| assimilatory nitrate reductase | K00360 | <i>Alphaproteobacteria</i> |
| glutamine synthetase (<i>glnA</i>) (<i>gltB</i>) (<i>gltS</i>) | K01915 K00265 K00284 | <i>Gammaproteobacteria</i> <i>Alphaproteobacteria</i> <i>Betaproteobacteria</i> |