

Table 2. Genes and encoded proteins for polyP and PPi metabolism in *O. anthropi* DE2010

Gene	GenBank accession number	Gene product	Activity
PolyP and PPi metabolisms			
<i>ppk1</i>	DNK03_06690	Polyphosphate kinase 1	Transfers the terminal phosphate residue of ATP to a growing chain of polyP in a reversible reaction.
<i>ppx</i>	DNK03_06685	Exopolyphosphatase	Mediates polyP degradation releasing orthophosphate from chain end.
<i>hppa</i>	DNK03_06575	K⁺-insensitive pyrophosphate-energized proton pump	Proton transmembrane pump that utilizes the energy of pyrophosphate hydrolysis as the driving force for proton movement.
<i>ppx/gppa</i>	DNK03_08775	Exopolyphosphatase/pppGpp phosphohydrolase	Hydrolyses guanosine pentaphosphate (pppGpp) to guanosine tetraphosphate (ppGpp).
<i>ppk2</i>	DNK03_11830	Polyphosphate kinase 2	<i>ppk2</i> , at least in isolated form, seems to be designed for synthesis of GTP from polyP in contrast to <i>ppk1</i> , which strongly favors synthesis of polyP and exclusively from ATP.
<i>ppa</i>	DNK03_19225	Inorganic pyrophosphatase	Inorganic pyrophosphatase (PPase) catalyzes the hydrolysis of inorganic pyrophosphate to form orthophosphate