

Supplementary Figure S1. Evolution of ammonium transporters/ammonia permeases.

Maximum likelihood analysis of 513 ammonium transporter/ammonia permease genes shows the presence of a eukaryotic clade (AMT-Euk) representing vertical gene transfer. AMTs into eukaryotes and a well-supported predominantly prokaryotic clade (MEP) in which eukaryotic lineages demonstrate horizontal gene transfer. AMT-Euk-eukaryotic ammonium transporters clade; MEP=prokaryotic ammonium permease clade; MEP grade=prokaryotic ammonium transporter/ammonia permease grade; Rh=Rhesus family (outgroup). Thickened branches show bootstrap support of $\geq 70\%$.

