



Figure S3 Cumulative nitrite consumption and nitrate production, during 35 days by three alkali-tolerant *Nitrospira* enrichment cultures from saline-alkaline lakes. The cultures were grown in mineral nitrite medium at pH 7.61-7.86 and 9-9.04. Data from two replicate incubations and one dead biomass control per pH treatment and enrichment are shown. Some symbols of replicate incubations or dead controls appear on top of each other. The pH was monitored and adjusted when necessary throughout the incubations (see table S3). EN_A, *Nitrospira* enrichment A; EN_B, *Nitrospira* enrichment B; EN_C, *Nitrospira* enrichment C.