

SUPPLEMENTARY INFORMATION for submitted manuscript 30 December 2008:

Comparison of three FISH procedures for enhanced *in situ* detection of anaerobic ammonium oxidizing bacteria in biological wastewater treatment

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Figure below: CARD FISH with different pre-treatment approaches to eliminate unspecific signals on anammox enrichment cultures of *Candidatus Anammoxoglobus propionicus*. Hybridization was done without any horse-radish peroxidase labeled probe. A-C: Acid treatment at different time intervals (20, 40, 60 min). D: Pasteurization. E: Autoclavation. F: Denaturation of peroxidases with H₂O₂. FISH images are always shown on the left side, and the corresponding phase contrast image on the right side. Scale bar 20 µm. For similar image series of *Candidatus Brocadia anammoxidans*, *Candidatus Kuenenia stuttgartiensis*, and, anammox biofilm samples, see the weblink http://www.msecol.net/Pavlekovic_et_al_2009a.html

