Supplementary Files to

Nitrate respiration in *Thermus thermophilus* NAR1: from horizontal gene transfer to internal evolution

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**Supplemental 1. Synteny analysis of small plasmids from TthNAR1** Dotplots of NAR1 77 kbp megaplasmid against TthHB8 plasmids, pVV8 (A) and pTT27 (B), TthHB27 pTT27 megaplasmid (C), TthJL18 pTTJL1801 megaplasmid (D) and TthSG0.5 pTHTHE1601 megaplasmid (E). An additional dotplot of the 9 kbp plasmid from TthNAR1 genome aligned to HB8 cryptic plasmid pTT8 is included (F).

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**Supplemental 2. Presence of transposases and transposition events in *Thermus thermophilus* NAR1 denitrification cluster.** Genetic context of the denitrification cluster found in TthNAR1, showing the localization of transposases (arrows filled in grey), their loci and the identification and length of the inverted repeats (IRs) of the complete most relevant ones.