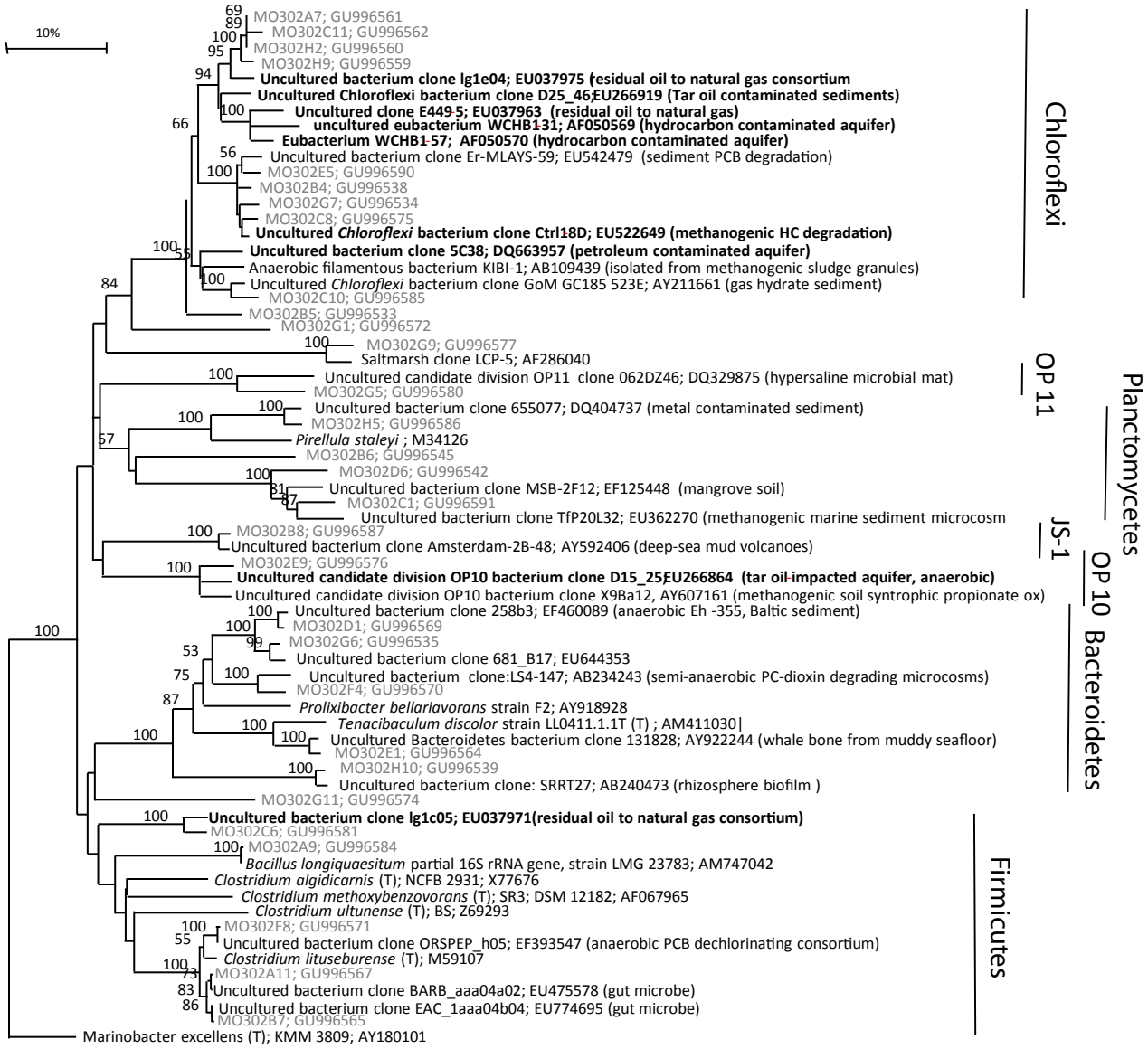Gray et al. supplementary Figure S3