

Disruption of doubly uniparental inheritance of mitochondrial DNA associated with hybridization area of European *Mytilus edulis* and *Mytilus trossulus* in Norway

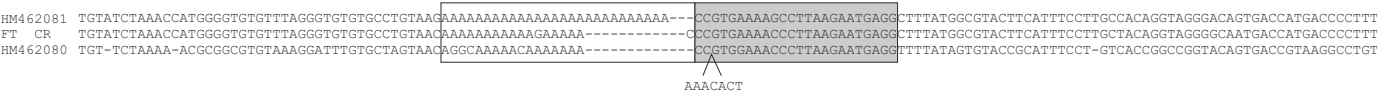
Marine Biology

Beata Śmietanka, Artur Burzyński

Affiliation of authors:

Institute of Oceanology Polish Academy of Sciences, Department of Genetics and Marine Biotechnology, Powstańców
Warszawy 55, 81-712 Sopot, Poland

Corresponding author: Beata Śmietanka, bsmietanka@iopan.gda.pl



Supplementary Fig 2 The part of the M-type VD1 primary structure from two reference Canadian *M. trossulus* M and F genomes (HM462081, HM462080) and corresponding part of *M. trossulus* recombinant genome from Bergen. Presented sequence domain is suggested to be crucial in paternal transmission of mtDNA. The adenine tract (frame) and the binding site (gray box) are key for the formation of specific complex with protein factor that occurs only in male gonads (Kyriakou et al. 2015).