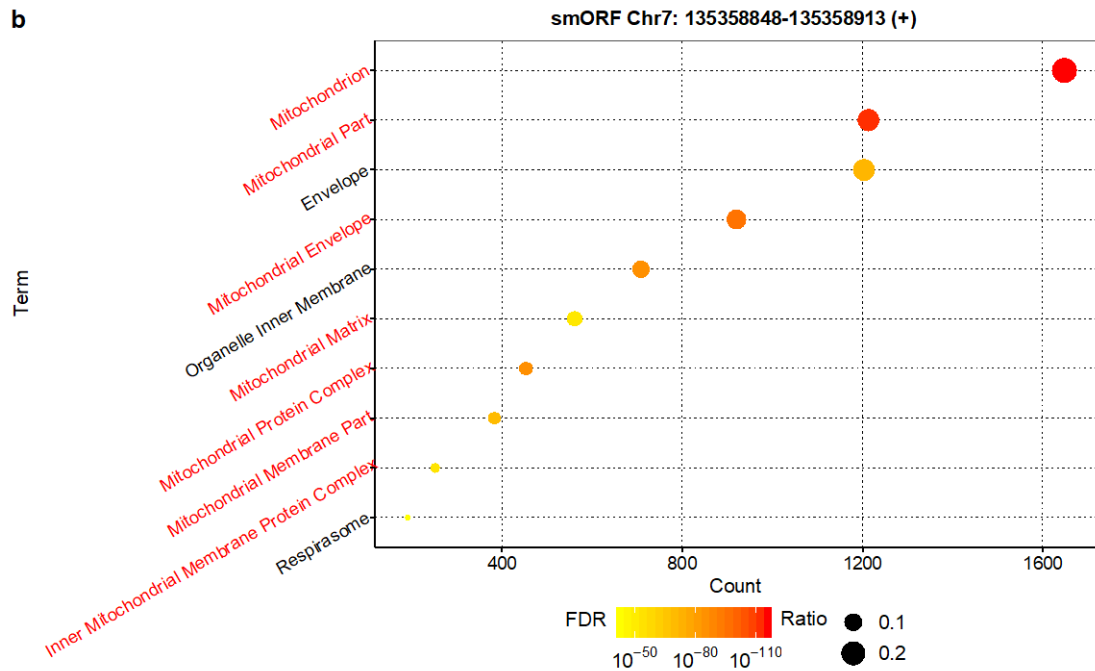


**a** BLAST Alignment Bit Score=38, Expectation=5.1e-6

	1	21
smORF : chr7:135358848-135358913(+):	LAKKLEEIKKDLDAKKKPPSA	
	LAKKLEEIKKDL+AKKKPPS+	
Mm47:	MLQFLLGFTLGNVVMYLAQNYEMPNLAKKLEEIKKDLEAKKKPPSS	
	27	47



**Supplementary Figure S1. The function prediction of Mm47 using its similar microprotein.** (a) The alignment between Mm47 and smORF at chr7: 135358848-135358913 (+) using BLAST protein (BLASTp). (b) The prediction of gene ontology cellular components of the similar microprotein. Related terms were marked in red. FDRs were calculated using Benjamini-Hochberg procedure.