

Combination	Loci for mtDNA molecules counting			Nucleoid imaging		
	Acronym	Target sequence/target	Fluorophore	Acronym	Target	Fluorophore
a)	DLOOP-biotin-cy3B560	250 bp 7S-mtDNA biotinylated	cy3B (<i>anti</i> biotin)	<i>anti</i> DNA-A647	<i>anti</i> DNA antibodies	Alexa-Fluor-647 conj.Ab
b)	ATP6COX-biotin-cy3B560	1100 bp ATP6-COX biotinylated	cy3B (<i>anti</i> biotin)	<i>anti</i> DNA-A647	<i>anti</i> DNA antibodies	Alexa-Fluor-647 conj.Ab
c)	ATP6COX-A647	1100 bp ATP6-COX	many A647	<i>anti</i> DNA- cy3B560	<i>anti</i> DNA antibodies	cy3B conjugated Ab