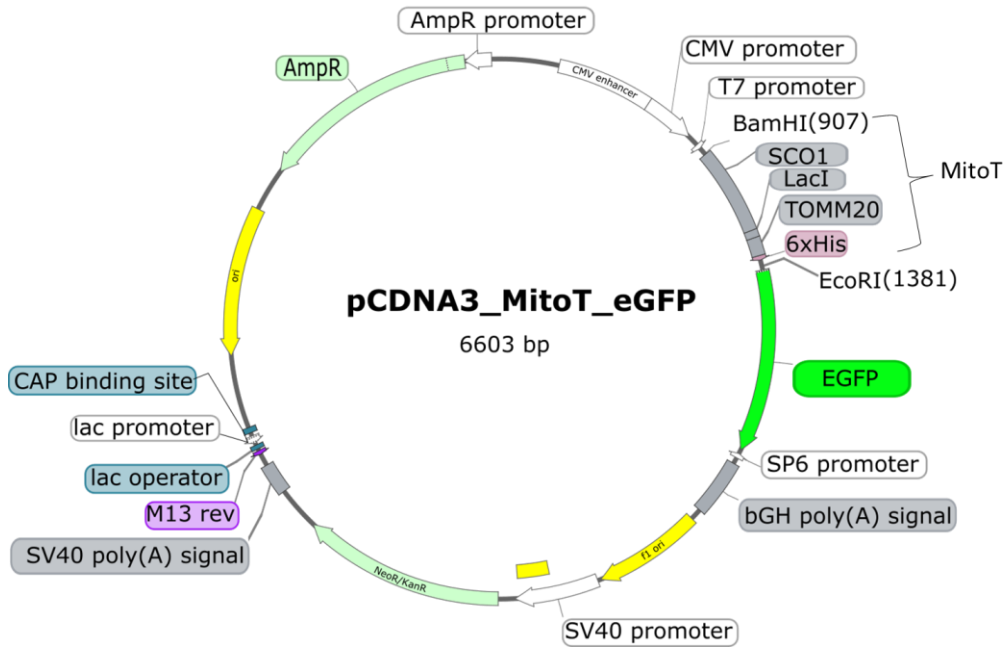


Supplementary Figure 1. Vector map, related to step 5.



Supplementary Data 1. Complete nucleotide sequence of the pCDNA3-MitoT-eGFP construct, related to step 5.

GACGGATCGGGAGATCTCCCGATCCCCTATGGTCGACTCTCAGTACAATCTGCTCTGATGCCGCATAGTTAAGCCA
 GTATCTGCTCCCTGCTTGTGTGTTGGAGGTCGCTGAGTAGTGCGCGAGCAAAATTTAAGCTACAACAAGGCAAGG
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 ACGCGTTGACATTGATTATTGACTAGTTATTAATAGTAATCAATTACGGGGTCATTAGTTCATAGCCCATATATGGA
 GTTCCGCGTTACATAACTTACGGTAAATGGCCCGCCTGGCTGACCGCCCAACGACCCCCGCCATTGACGTCAATA
 ATGACGTATGTTCCCATAGTAACGCCAATAGGGACTTTCATTGACGTCAATGGGTGGACTATTTACGGTAAACTG
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 CTGGCATTATGCCCAGTACATGACCTTATGGGACTTTCCTACTTGGCAGTACATCTACGTATTAGTCATCGCTATTA
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 ACCCATTTGACGTCAATGGGAGTTTTGTTTTGGCACCAAATCAACGGGACTTTCCAAATGTCGTAACAACCTCCGC
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 CGGACTCGAGTTTTGGGGCCCAGCCGAGGGGACTGCGAGAGTCTTGCTGAGGCAGTTCTGCGCGCGGCAAGCGG
 AGGCGTGCGTGCCTCGGGGCGCCCTGGCTATTGCCTGGGAACCCGGCCCCCTCAGCACTGCGAGGCCGCCACCCC
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 atcaccatcacGAATTCTGCAGATATCCATCACACTGGCGGCCGCTCGAGATGGTGAGCAAGGGCGAGGAGCTGTTC
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CATCAGGGGCTCGCGCCAGCCGAAGTTCGCCAGGCTCAAGGCGCGCATGCCCGACGGCGAGGATCTCGTCTGT
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GATACATATTTGAATGTATTTAGAAAAATAAACAAATAGGGGTTCCGCGCACATTTCCCCGAAAAGTGCCACCTGA
CGTC

Supplementary Table 1. Important features and their respective nucleotide position in the pcDNA3-MitoT-eGFP construct, related to step 5.

No.	Features	Position (nt)
1.	M13-rev	4462-4442
2.	T7	863-882
3.	SP6	2173-2156
4.	ColE1 origin	5458-4830
5.	LacO	4490-4468
6.	AmpR	6269-5610
7.	Kan/NeoR	3311-4102
8.	EGFP	1423-2136
9.	Amp Promoter	6537-6509
10.	Lac	4524-4495
11.	SV40 ORI	3092-3169
12.	bGH PA	2196-2423
13.	6His	1363-1380
14.	hSCO1	913-1260
15.	Lacl	1261-1290
16.	TOMM20	1291-1362