

Supplementary Table S1. Oligonucleotides used for the construction of the *Acanthamoeba* Cre-loxP system. Restriction enzyme sites are indicated with underlining

Genes	Name	Sequences
Neo	NEO- <i>Xba</i> I-F	5'-CC <u>TCTAG</u> AAAACGACGCCTTGCAACAAGCTGAG-3'
	NEO-EcoV-R	5'-GGGATATCTTATCGCTATCGATTACAC-3'
5'-UTR of polyubiquitin	5'UTR- <i>Kpn</i> I-F	5'-CTAAAGGGAACAAAAGCTGGT <u>ACC</u> CGTAAAGGCGGGG-3'
	5'UTR- <i>Hind</i> III-R	5'-CTCCTCGCCCTTGCTCACCATA <u>AAGCTT</u> TGTTGGCTTGTGTG-3'
tdTomato	tdTomato- <i>Hind</i> III-F	5'-AAGCCAACA <u>AAGCTT</u> ATGGTGAGCAAGGGCGAGGAGGTC-3'
	tdTomato- <i>Xma</i> I-R	5'-ATGGTTAATTAATTA <u>ACCGGGT</u> TACTTGTACAGCTCGTCCATGCCG-3'
loxP-Neo-loxP	Neo- <i>Xma</i> I-F	5'-CGAGCTGTACAAGTA <u>ACCGGGT</u> TAAATTAATTAACCATGG-3'
	Neo- <i>Xho</i> I-R	5'-GTAGCTGTAGGCA <u>CTCGAG</u> ATAACTTCGTATAATGTATGCTATA-3'
3'-UTR of polyubiquitin	3'UTR- <i>Xho</i> I-F	5'-CATTATACGAAGTTAT <u>CTCGAG</u> TGCCTACAGCTACTACTTTCTGC-3'
	3'UTR- <i>Spe</i> I-R	5'-TGGCGGCGCTCTAG <u>ACTAGT</u> GACCTTCTACTCAACAGATGAAGGT-3'
Hygromycin B phosphotransferase	Hyg- <i>Afl</i> III-F	5'-GGCTTAAGGCTAGAGCCACCATGGATAGATCCGGAAGCC-3'
	Hyg- <i>Bst</i> BI-R	5'-GGTTCGA <u>ACCC</u> CAGAGTCCCGCCTATTCCCTTGCCCTCGGACG-3'
NLS-Cre recombinase	NLS-Cre- <i>Spe</i> I-F	5'-G <u>ACTAGT</u> ATGGCCCCAAAGAAGAAGCGGAAGGTCTCCAATTTACTGA-3'
	NLS-Cre- <i>Spe</i> I-R	5'- <u>ACTAGT</u> ATCGCCATCTTCCAGCAGG-3'