

Supplementary Table 1. Primers used in this study.

Primer Name	Plasmid Construction	Primer Sequence
GCaMP6s-F	<i>CRS</i>	TCTCCCCTTGCTCCGTGGATCCATGGG TTCTCATCATCATCA
GCaMP6s-R		ATCCCCAGATCCGGAACCTTCGCTGT CATCATTTGTACAAAC
dTomato-F		AGTTCCGGATCTGGGGATCCCGCCACC ATGGTGAG
dTomato-R		AGTCTGGAACGTCGTATGGGTAAGGCC TCTTGACAGCTCGTCCATGCCGTA
UBQ10-F		GGCCAGTGCCAAGCTCTCGAGTCATTC TTGTTACATTGTTATTAATG
UBQ10-R		TGATGATGAGAACCCATGGATCCCTGT TAATCAGAAAACT
CRS-PM-F	<i>CRS-PM</i>	ACGGCATGGACGAGCTGTACAAGTAA AGGCCTATGACGGAGACTGGAGTAAT
CRS-PM-R		ATTGCCAAATGTTTGAACGATCTGCAG
CRS-NUC-F	<i>CRS-NUC</i>	GTTTGTACAAATGATGACAGCGAAGA GGCCTAGTTCCGGATCTGGGGATCCCG CCACC
CRS-NUC-R		TGGAACGTCGTATGGGTAAGGCCTGAC CTTGCGCTTCTTCTTCGGCGGTTACTTG TACAGCTCGTCCATGCCGTA
LIC-F	<i>pGIIB-CRS</i>	CCTCACTAAAGGGAACAAAAGCTGG
LIC-R	<i>pGIIB-CRS-PM</i> <i>pGIIB-CRS-NUC</i>	AGCTCGCACGACAGGTTTCCCGACTGG AA