Table S1 Primers used in this study.

Application	Forward (5'-3')	Reverse (3'-5')
Silencing sequence of *EqSec5*	TAATACGACTCACTATAGGGATGAGCGATTATGAATATGA	TAATACGACTCACTATAGGGGTTCGTCTCGTTGTAGTAGA
Silencing sequence of *EqSec6*	TAATACGACTCACTATAGGGATGGACAGCTCTACGGTCAA	TAATACGACTCACTATAGGGTGTTTTGGGCCTCGGCACAT
Amplification of *EqSec5* for construction pJNARG-EqSec5RNAi	GTAGGAACCCAATCTTCAAAGAATTCCCTGTTGCAACACTTTTACG	GAACCACGATTAAATCGAGCCATATGAGCGATTATGAATATGA
Amplification of *EqSec5* for construction pJNARG-EqSec6RNAi	GTAGGAACCCAATCTTCAAAGAATTCATAAGTTGTACAGTTCTTTG	GAACCACGATTAAATCGAGCCATATGGACAGCTCTACGGTCAA
Amplification of *EqSec5* for construction pJNARG-*EqSec5*-GFP	GTAGGAACCCAATCTTCAAAGAATTCATGAGCGATTATGAATATGA	GAACCACGATTAAATCGAGCCATGAATTCTACTTGTTGCTCATTTGTTA
Amplification of *EqSec6* for construction pJNARG-*EqSec6*-GFP	GTAGGAACCCAATCTTCAAAGAATTCATGGACAGCTCTACGGTCAA	GAACCACGATTAAATCGAGCCATGAATTCTTTCACTTTAGACATTATAG
Amplification of *EqCSEP01276* for construction pJNARG-*EqCSEP01276*-GFP	GTAGGAACCCAATCTTCAAAGAATTCATGTCTGCCCTTCTCTTCTC	CCACGATTAAATCGAGCCATGAATTCATTCTCATTTGTGTTTTTTG
Amplification of *EqIsc1* for construction pJNARG-*EqIsc1*-GFP	ATGACGGAACCATCACCGAG	GCTCCTCGCCCTTGCTCACCAT
qRT-PCR of *EqSec5*	AAACTGCGCCAAATTTGCCG	AGAAACAATGATGGCGAGAA
qRT-PCR of *EqSec6*	CACAGTTGCGTAGTGGGCTG	ATCCTTTCGACAAGCTCAAT
qRT-PCR of *EqCSEP01276*	ATGTCTGCCCTTCTCTTCTC	CTACTGTAAATAATAGTTGA
qRT-PCR of *EqIsc1*	TTTGACAGCGTGATAAGC	CGGTGTTTCTTTTCGGAAGT
qRT-PCR of *β-actin*	GGCTCAACCAAATTGACAAG	CTCAGAAAAGACGGATCAAA
qRT-PCR of *EqCSEP04187*	CTACGAAAGAGGACCGAGTA	GGTTTTCTCCCGCAGCTCTT

qRT-PCR of *EqEF-1a*	GAACCTTCATCTAACTGC	GTCGTAGTGGTTTGTCAG
The native promoter of *EqSec5*	AATACTAGTTTTGCCGTCTT	TATTAGATAGAAATTCCTAT
The native promoter of *EqSec6*	CATAACAAATACCACCCTGT	GCTCTGGAGACTAAAGGATT