

1
Eggtttcacagagtccataggttcagcctaccatagattgaaaacatttgggggaagaaattatgtctataactaacatgtacagacttttaagcttacag
aligned sequence mEGFP-ITSN1
F-----TCTATACTAACATGTACAGACTTTTAAGCTTACAG
aligned sequence sequencing F
F-----
aligned sequence sequencing R

101
aataacagttggtttacatagcatttaccttgattaaatattgtaagtaatctagagattatttgaagtatgcaagaggacgtgcttaggttatatgcaa
aligned sequence mEGFP-ITSN1
AATAACAGTTGTTTACATAGCATTTACCTTGATTAAATATTGTAAGTAATCTAGAGATTATTTGAAGTATGCAAGAGGACGTGCTTAGGTTATATGCAA
aligned sequence sequencing F

aligned sequence sequencing R

201
atactgtgccatTTTATATCAGGGACTTGAGGATCCACGGATTTTTTTTTAATCCATGGGAGGTCTTGAACCAGTGTCTCTGGGATAATGAGGGACAAC
aligned sequence mEGFP-ITSN1
ATACTGTGCCATTTTATATCAGGGACTTGAGGATCCACGGATTTTTTTTTAATCCATGGGAGGTCTTGAACCAGTGTCTCTGGGATAATGAGGGACAAC
aligned sequence sequencing F

aligned sequence sequencing R

301
tgtatacttaaaaagtaaacacgtgaatgaatgaattccttaattgtagagctatgctctggctctagtattagtcctctgaccattaaagatagcatggt
aligned sequence mEGFP-ITSN1
TGTATACTTAAAAAGTAACACGTGAATGAATGAATTCCTTAATTGTAGAGCTATGCTCTGGCTCTAGTATTAGTCCTCTGACCATTAAGATAGCATGTT
aligned sequence sequencing F
-----AGCATGTT
aligned sequence sequencing R

401
ggtgtgtttatgattatacaggaattaagttttcataaacttaaattgttgcatTTTcacttacaggcgtcgattagcaaggtaaaagtaacagaaccatg
aligned sequence mEGFP-ITSN1
GGTGTGTTTATGATTATACAGGAATTAAGTTTTTCATAAACTTAAATGTTGCATTTTCACTTACAGGCGTCGATTAGCAAGGTAAAAGTAACAGAACCATG
aligned sequence sequencing F
GGTGTGTTTATGATTATACAGGAATTAAGTTTTTCATAAACTTAAATGTTGCATTTTCACTTACAGGCGTCGATTAGCAAGGTAAAAGTAACAGAACCATG
aligned sequence sequencing R

501
GTGAGCAAGGGCGAGGAGCTGTTACCGGGTGGTGCCCATCCTGGTCGAGCTGGACGGCGACGTAACGGCCACAAGTTCAGCGTGTCCGGCGAGGGCG
aligned sequence mEGFP-ITSN1
GTGAGCAAGGGCGAGGAGCTGTTACCGGGTGGTGCCCATCCTGGTCGAGCTGGACGGCGACGTAACGGCCACAAGTTCAGCGTGTCCGGCGAGGGCG
aligned sequence sequencing F
GTGAGCAAGGGCGAGGAGCTGTTACCGGGTGGTGCCCATCCTGGTCGAGCTGGACGGCGACGTAACGGCCACAAGTTCAGCGTGTCCGGCGAGGGCG
aligned sequence sequencing R

610

AGGGCGATGCCACCTACGGCAAGCTGACCCTGAAGTTCATCTGCACCACCGGCAAGCTGCCCGTGCCCTGGCCCACCCTCGTGACCACCCTGACCTACGG
aligned sequence mEGFP-ITSN1

AGGGCGATGCCACCTACGGCAAGCTGACCCTGAAGTTCATCTGCACCACCGGCAAGCTGCCCGTGCCCTGGCCCACCCTCGTGACCACCCTGACCTACGG
aligned sequence sequencing F

AGGGCGATGCCACCTACGGCAAGCTGACCCTGAAGTTCATCTGCACCACCGGCAAGCTGCCCGTGCCCTGGCCCACCCTCGTGACCACCCTGACCTACGG
aligned sequence sequencing R

701

CGTGCAGTGCTTCAGCCGCTACCCCGACCACATGAAGCAGCAGACTTCTTCAAGTCCGCCATGCCCGAAGGCTACGTCCAGGAGCGCACCATCTTCTTC
aligned sequence mEGFP-ITSN1

CGTGCAGTGCTTCAGCCGCTACCCCGACCACATGAAGCAGCAGACTTCTTCAAGTCCGCCATGCCCGAAGGCTACGTCCAGGAGCGCACCATCTTCTTC
aligned sequence sequencing F

CGTGCAGTGCTTCAGCCGCTACCCCGACCACATGAAGCAGCAGACTTCTTCAAGTCCGCCATGCCCGAAGGCTACGTCCAGGAGCGCACCATCTTCTTC
aligned sequence sequencing R

801

AAGGACGACGGCAACTACAAGACCCGCGCCGAGGTGAAGTTCGAGGGCGACACCCTGGTGAACCGCATCGAGCTGAAGGGCATCGACTTCAAGGAGGACG
aligned sequence mEGFP-ITSN1

AAGGACGACGGCAACTACAAGACCCGCGCCGAGGTGAAGTTCGAGGGCGACACCCTGGTGAACCGCATCGAGCTGAAGGGCATCGACTTCAAGGAGGACG
aligned sequence sequencing F

AAGGACGACGGCAACTACAAGACCCGCGCCGAGGTGAAGTTCGAGGGCGACACCCTGGTGAACCGCATCGAGCTGAAGGGCATCGACTTCAAGGAGGACG
aligned sequence sequencing R

901

GCAACATCCTGGGGCACAAGCTGGAGTACAACAGCCACAACGTCTATATCATGGCCGACAAGCAGAAGAACGGCATCAAGGTGAACTTCAAGAT
aligned sequence mEGFP-ITSN1

GCAACATCCTGGGGCACAAGCTGGAGTACAACAGCCACAACGTCTATATCATGGCCGACAAGCAGAAGAACGGCATCAAGGTGAACTTCAAGAT
aligned sequence sequencing F

GCAACATCCTGGGGCACAAGCTGGAGTACAACAGCCACAACGTCTATATCATGGCCGACAAGCAGAAGAACGGCATCAAGGTGAACTTCAAGAT
aligned sequence sequencing R

1001

CCGCCACAACATCGAGGACGGCAGCGTGCAGCTCGCCGACCACTACCAGCAGAACACCCCATCGGCGACGGCCCCGTGCTGCTGCCCGACAACCACTAC
aligned sequence mEGFP-ITSN1

CCGCCACAACATCGAGGACGGCAGCGTGCAGCTCGCCGACCACTACCAGCAGAACACCCCATCGGCGACGGCCCCGTGCTGCTGCCCGACAACCACTAC
aligned sequence sequencing F

CCGCCACAACATCGAGGACGGCAGCGTGCAGCTCGCCGACCACTACCAGCAGAACACCCCATCGGCGACGGCCCCGTGCTGCTGCCCGACAACCACTAC
aligned sequence sequencing R

1101

CTGAGCACCCAGTCCAAGCTGAGCAAAGACCCCAACGAGAAGCGCGATCACATGGTCTGCTGGAGTTCGTGACCGCCCGGGATCACTCTCGGCATGG



aligned sequence mEGFP-ITSN1

aligned sequence sequencing F

CTGAGCACCCAGTCCAAGCTGAGCAAAGACCCCAACGAGAAGCGCGATCACATGGTCTGCTGGAGTTCGTGACCGCCCGGGATCACTCTCGGCATGG

aligned sequence sequencing R

1201

ACGAGCTGTACAAGTCCGGAGGTACTIONCAGATCTCGAGGgctcagtttccaacaccttttgggtggaagttttcagaaatttctctttttaatgtactttg



aligned sequence mEGFP-ITSN1

aligned sequence sequencing F

ACGAGCTGTACAAGTCCGGAGGTACTIONCAGATCTCGAGGGCTCAGTTTCCAACACCTTTTGGTGGTAAGTTTTCAGAAATTTCTCTTTTAAATGTACTTTG

aligned sequence sequencing R

1301

ggaccagatTTTAAAACTTgatatattggcaaatttaaattaaaaagtagagaaaataataataatcagcattcatgtattccatcatatagtttcatt

aligned sequence mEGFP-ITSN1

aligned sequence sequencing F

GGACCAGATTTTAAAACTTgatatattggcaaatttaaattaaaaagtagagaaaataataataatcagcattcatgtattccatcatatagtttcatt

aligned sequence sequencing R

1401

aattatcaactcatgcccaatattgtttcatctggattcttttggagcaactcccagcatcatttcatctataa

aligned sequence mEGFP-ITSN1

aligned sequence sequencing F

AATTATCAACTCATGCCCAATAT-----

aligned sequence sequencing R