

*lin-41* CONTROL (known target of *C. elegans let-7* RNA) miRNA:*let-7*  
*Lin-41* full-short fragment–mutant

pISlin41m(s)

ggtagatctgcgatctgcatctcaattagtcagcaaccatagtcgcccccctaactccgcccatcccgcccctaactccgccaggt  
tccgccattctccgccccatcgctgactaattttttatttatgcagaggccgaggccgctcggcctctgagctattccagaagt  
agtgaggagggtttttggaggcctaggctttgcaaaaagcttggcattccggtactgttgtaaagccaccatggaagacgcca  
aaaacataaagaaaggcccgccgcttctatccgctggaagatggaaccgctggagagcaactgcataaggctatgaagag  
atacgccctggttctggaacaattgctttacagatgcacatacgaggtggacatcacttacgctgagtaactcgaaatgtccgtt  
cggttggcagaagctatgaaacgatatgggctgaatacaaatcacagaatcgctgatgcagtgaaaactctcttcaattctttatg  
ccggtgttggcgcggtattatcggagttgcagttgcgcccgcggaacgacatttataatgaacgtgcaaaaaagctcccaatcatccaaa  
caattattatcatggattctaaaacggattaccagggatttcagtcgatgtacacgttcgtcacatctcatctacctccgggtttaatg  
aatacagattttgtgccagagtccttcgatagggacaagacaattgcactgatcatgaactcctctggatctactggctcgtctaaag  
gtgtcgtctgcctcatagaactgcctgcgtgagattctcgcagatccagagatcctattttggcaatcaaatctccggatactgc  
gattttaagtgttgcattccatcacgggtttggaatgtttactacactcggaatttgatgtggaatttcgagtcgtcttaagtatatg  
attgaagaagagctgttctgaggagcctcaggattacaagattcaaatgctgctgctggtgccaacctattctcctctcgc  
aaaagcactctgattgacaaatcagattatctaatttacacgaaattgcttctggtggcgctccccctctctaaaggaagtcggggaa  
gcggttgccaagaggttccatctgccaggtatcaggcaaggatagggctcactgagactacatcagctattctgattacacccg  
agggggatgataaacggcgcggtcgtaaatgttccatttttgaaagcgaaggttggatctggataccgggaaaacgct  
ggcggttaatacaagaggcgaaactgtgtgtgagaggctctatgattatgtccggttatgtaacaatccggaagcgaccaacgcc  
ttgattgacaaggatggatggctacattctggagacatagcttactgggacgaagacgaacacttctcatcgttgaccgcctgaa  
gtctctgattaagtacaaggctatcaggtggctcccgtgaattggaatccatcttgcctcaacaccccaacatcttcgacgcag  
gtgtcgcaggtcttcccagcatgacgccggtgaacttcccgcgcgttgttttggagcacggaaagacgatgacggaaa  
aagagatcgtggattacgtcgccagtcagtaacaaccgcgaaaaagtgcgcggaggagttgttttggacgaagtaccga  
aaggcttaccgaaaactcgacgcaagaaaaatcagagagatcctcataaaggccaagaaggcggaagatcgccgtgta  
attctaggagctcTTTCCTCAAATTGCACCAACTCAAGTATACCTTTTATACACCGTT  
CTcaACTCAACGCGATGTAAATATCGCAATCCCTTTTATACA(CCATTCTcgCT  
CTGAACCATTGAAACCTTCTCCctagcgttctagagtcggggcgccggcgcttcgagcagacatga  
taagatacattgatgagtttgacaaaccacaactagaatgcagtgaaaaaatgctttattgtgaaatttgtatgctattgctttat  
ttgtaaccattataagctgcaataaacaagttaacaacaacaattgcattcattttatgtttcaggttcagggggaggtgtgggaggt  
tttttaaagcaagtaaaacctctacaaatgtggtaaaatcgataaggatctgaacgatggagcggagaatggcggaactgggc  
ggagttagggcgggatggcgggagttagggcgggactatggtgtgctgactaattgagatgcatgctttgcatacttctgcctg  
ctggggagcctggggactttccacacctggttgcctgactaattgagatgcatgctttgcatacttctgcctgctggggagcctggg  
gactttccacaccttaactgacacacattccacagcggatccgtcgaccgatgcccttgagagccttaaccagtcagctccttc  
cgggtggcgcggggcatgactatcgtcgccgcaattatgactgtcttctttatcatgcaactcgtaggacaggtgccggcagcgc  
tcttccgcttctcgtcactgactcgtcgcgtcggtcgttcggctgcggcgagcggtatcagctcactcaaaaggcggtaatc  
ggttatccacagaatcaggggataacgcaggaaagaacatgtgagcaaaaggccagcaaaaggccaggaaccgtaaaaagg  
ccgcgttgcgtggcgttttccataggtccgccccctgacgagcatcacaataatcgacgctcaagtccagaggtggcgaaacc  
cgacaggactataaagataaccaggcgtttccccctggaagctccctcgtgcgtctcctgttccgacctgccgcttaccggata  
cctgtccgcctttctcccttcgggaagcgtggcgctttctcatagctcacgctgtaggtatctcagttcggtgtaggtcgttcgtcc  
aagctgggctgtgtgcacgaacccccgttcagcccagcgtgcgccttatccggtaactatcgtcttgagccaacccggttaa  
gacacgacttatgccactggcagcagccactgtaacaggattagcagagcgaggtatgtaggcggtgtacagagttcttga  
agtgggtggcctaactacggctacactagaagaacagattttggtatctgcgtctgctgaagccagttaccttcggaaaaagagtt  
ggtagctcttgatccggcaaaaccaccgctggtagcggtggttttttggtaagcagcagattacgcgcagaaaaaaag  
gatctcaagaagatcctttgatctttctacggggtctgacgctcagtggaacgaaaactcacgttaagggatttttggtcatgagatt  
atcaaaaaggatcttcacctagatccttttaattaaaaatgaagttttaaataatcaatcaaaagtatatatgagtaaaacttggtctgacag

ttaccaatgcttaatcagtgaggcacctatctcagcgatctgtctatttcgttcatccatagttgcctgactccccgtcgtgtagataa  
ctacgatacgggaggggttaccatctggccccagtgctgcaatgataccgcgagaccacgctcaccgggtccagatttatcag  
caataaaccagccagccggaagggccgagcgcagaagtggctctgcaactttatccgcctccatccagctattaattgttgccg  
ggaagctagagtaagtagttcgccagttaatagtttgcgcaacgttggtgccattgctacaggcatcgtggtgtcacgctcgtcgtt  
ggtatggcttcattcagctccgggtcccaacgatcaaggcgagttacatgatcccccattgtgtgcaaaaaagcgggttagctccttc  
ggctctccgatcgttgtcagaagtaagttggccgcagtggtatcactcatggttatggcagcactgcataattctcttactgtcatgc  
catccgtaagatgcttttctgtgactggtgagtactcaaccaagtcattctgagaatagtgtatcgggcgaccgagttgctcttgcct  
ggcgtcaatacgggataataccgcgccacatagcagaactttaaaagtgtcatcattggaaaacgttcttcggggcgaaaactc  
tcaaggatcttaccgctgttgagatccagttcgtatgaaccactcgtgcaccaactgatcttcagcatcttttactttcaccagcgt  
ttctgggtgagcaaaaacaggaaggcaaaatgccgcaaaaaagggaataagggcgacacggaaatgtgaatactcatactct  
tcctttttcaatattattgaagcatttatcaggggtattgtctcatgagcggatacatatttgaatgtatttagaaaaataaacaatagg  
ggttccgcgcacatttccccgaaaagtgccacctgacgcgccctgtagcggcgcaattaagcgcggcggggtgtggtgttacgc  
gcagcgtgaccgctacacttgccagcgcctagcggccgctcttctgcttcttcccttcttctcgcacgttcgccggcttcc  
ccgtcaagctctaaatcgggggtcccttttaggggtccgatttagtgccttacggcacctcgacccccaaaaacttgattaggggtga  
tggttcacgtagtgggccatcgccctgatagacgggttttcgccctttgacgttggagtccacgttctttaatagtggactcttgtcc  
aaactggaacaacactcaaccctatctcggctctattcttttgattataagggattttgccgatttcggcctattggttaaaaaatgagc  
tgatttaacaaaaatttaacgcgaattttaacaaaaatattaacgcttacaatttgccattcgcattcaggtgcgcaactgttgggaa  
ggcgcatcgggtgcgggcctcttcgctattacgccagcccaagctacatgataagtaagtaataattaaggtacgggaggtacttg  
gagcggccgcaataaaatatctttattttcattacatctgtgtgttggtttttgtgtgaatcgatagtactaacatacgtctccatcaa  
aacaaaacgaaacaaaacaaactagcaaaataggctgtccccagtgcaagtgcaggtgccagaacatttctctatcgata