

Supporting Materials and Methods:

ChIP-qPCR primers:

Talin promoter site 1 (5'): CACAACCTTATCATTTCACACTCACC and GAGCTCAGTAAATCCTCTA

Talin promoter site 2 (3'): ACAAATCTCCGCTTTCCTCTAGC and TCCATTTGG GATATCTATG

Kindlin3 promoter: GGGGACTATATCGACTCTTCCTG and ACTCACTGATTTCTCCACGAT and

S_μ: CTTGAGCCAAAATGAAGTAGACTGT and ACAGTCCAGTGTAGGCAGTAGAGTT.

Primers for expression vector construction:

Talin1 (full length): ATGGTTGCGCTTTCGCTGAAGATT and GTGCTCGTCTCGAAGCTCTGAAG

Talin1 Head: ATGGTTGCGCTTTCGCTGAAGATT and CTGAAGGACTGTTGACTTTTT

Kindlin 3: ATGGCGGGTATGAAGACAGCCTCC and GAAGGCCTCATGGCCTCCTGTAAG

shRNA sequences:

Kindlin3 shRNA1: CCGGGAGGAACCACAAATCCTGGTTCTCGAGAACCAGGATTTGTGGTTCCTCTTTTTTG

Kindlin3 shRNA2: CCGGGCTGGATAGTCTCACTACCATCTCGAGATGGTAGTGAGACTATCCAGCTTTTTTG

Talin1 shRNA1: CCGGGCCCATTGTAATCTCTGCTAACTCGAGTTAGCAGAGATTACAATGGGCTTTTTTG

Talin1 shRNA2: CCGGCGCTCCAAGAGTATTATTAATCTCGAGATTAATAATACTCTTGGAGCGTTTTTG

Primers for luciferase reporter construction:

Talin1 promoter:

AATACGCGTACCTTGGGTCTCGCGGACATC and ATTCTCGAGGAAGGCGGAGAAGGATCCTCAGAA

Kindlin3 promoter : GGGTATGAAGACAGCCTCCGGG and TCCAGTTTCTGAGGGACTAACCT

qRT-PCR primers:

Mouse Talin1: GAGAGCTGATGGAAGAAAAGAAAGA and AGCTTCTCCATCTTCTTTTCA TCTC

Mouse integrin b3: GCCATTATGTTTACAGAGGACATTT and CGTCACACACATAAGTACACACAGA

Human Kindlin3: ATC AAT CGCA AGC AGG ACT GGT and TGA GGA GGC GGC AGA TGG CAG CC

Human Talin1: GCTGAGCCCCGTCAGAACCTGC and ACACTCTGGCCTTGAGGACCAG