A

GCCATTCCCGTAGTTTCTCGTCAATTTTCACGTGGGCCACACTGTTCTTTGGGGTTGGGTTACACACAGCAC
CCAGTCTATCTTCAGGTTGTATGGTGTCGTCCCCCCCCCCCCAGGCATGAACAGGCGGGCGCAAACACATAC
GCACCCCCACGGCGCCCCCCCCCCCCAAGTATGACTCGTCCTTTGGGTGCTAGGAAATGAACTAGGGCTGG
GGGGGGGGGGAGAGAACCTGGATCTCCTCCTCCTCCTAACAGACTCCCTCCTCCCCACCCCTCCAGCAGGC
AGCCAAGGAGAGCAGGAGGCGGGGGAGGGGCGGGGGAGGAGAAGCGACGCAAGTGAATAGCTTTGCA
GCGCCGGCTAGGCGCGGCGAGGAGAAGCGGTGGGAAGGCGCAACCGCTCACCTGCGGGGCAGCGCGCA
CCGGAGGGACCGGGCTGCGCTTTCGTGGGCCCTGGCATTCGGACATTCCCGGAGCCTTGCAAGCGGCTAC
GCTCCGGGTGTTCCCCGGCCGGTCTGCCCGGAGGAGCCGAGGGGCCACCGGCAGCTCTTTGCTTTGACCG
ACGGGAGGCGGGGAGAGAGGCGAGCCAGGCAGAAACTCGAGCAACTCGAGCCGGGAACAAAGAGGGA
TCGGGCTCGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTAAGTGTGTGTATCGGCCCGAGCTGCG
GGCTGGAACATTTGGGCCCGAAGCTCCTGCTGTGACTCCCCAAGACTCCGCCGTGCCAGCCACCGCCGATT
CCCAGCGCTCATCATCACAAACTTTATTCTTGGCAAACTTCTCTTTTTCTCCCCTCCTCCTCCGCCCCTCCCCCT
CCAGCAGATTAAATGCTCCTCCAGAAGGAAAACCGAAGCGAAAGGGAAGGAAAGAAGCTCTAACGCGGA
CGTCTGCAGCCCGGTGGCTCTTTATTGTTTACTCTGAAGGAAGTGGACTTTTCGGTATTTTCTGATTCTTCTC
GTACCTCCGCTGGGGCAAAGGGAGCCTCTTGGCCCAGCTCTCCTCTTCTCAAAAACAAAACAAAACAAAAC
CCCAAATCACCGAAATCAGCATCCGAGGAATCCGTGGAGAGGTTTTGCACGGTGACGCACCACGGGACCCT
CGTTTGCACTTTGGCAAGTCGTGTCCCCTCCGGAACCGGTGTCCTCGAAGCACAGACCCCAGCAACGAGTG
CGGCGTGGGGTGGCCACCCAGCCCTGGCAGCCTAGCCTAGTGCACGCGGAGCGGCGTAGACGCTCTCAGA
GGCGCCGGCGGCTGCCGCCCTCGCAGTCTGGTGCCCTTCGCCCCAGGGCCGGGCGCCGGCGTCCTTCTAA
GTGGGAAAGCGCGGCAATCGCAGAGGCTCCTGCAGCTGCTCCAGCCGTGGGCCCCTCGCTTGCCCACCCG
GCTTCCATTCACAGTCCTCCCGCACTCAGTCTTCCAACTCCCCCACCTCACATCGACCCTCCCTTCTTGCTGTC
TCGGAGTGCTCCCGCAGCGGAGCGGAGATTACACAGCCGCCGGGATG

+1

Yellow areas are CHIP binding sites

Underlined areas are EMSA positive region 1 and positive region 2

Red arrows indicate methylation and mutation sites

Blue areas are other predicted binding sites of the CHIP assay

B

Lef-1 GC01-01-1.1	CGCCGATTCCCAGCGCTCATCATCA
Lef-1 GC01-1	CGGGAACAAAGAGGGATCGG
Lef-1 GC05-5	CGCCGATTCCCAGCGCTCATCATCA

C

Lef-1 promter M1.1	AGCCGATTCCCAGCGCTCATCATCA
Lef-1 promter M1	AGGGAACAAAGAGGGATAGG
Lef-1 promter M5	AGCAGATTCCCAGAGCTCATCATCA