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LSM2-8 and XRN-2 contribute to the silencing of H3K27me3-marked genes through targeted RNA decay

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Supplementary Information

Supplementary Note

xe17 allele [lsm8 indel myo2p::mcherry::unc-54 3'UTR] and flanking regions

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1  tacgaccgga ctaacggccg ctccagaggg ttcgcatttg tcgagttcac cactggagag
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481 ccaggcgccc aagggcgtat gccaggtggt cgcggaatgt atggtggacg tgggtgaaat
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601 ggagcagctt ggggagactg gtacggaaac ggttattacg gccacaagg tgcagcacat
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1921 aatgcgaaca ggtgggttgc cgtgaaaaat atctcacttg ggaacaataa acAGTTGCAT
1981 TTTATATCTG AGTAGTATCC TTTGCTTTAA ATGTCCATAA AACTAATTTT ATAATCAATA
2041 AAACAACGTT TGTAATCAA CTGAGTTTAC AAGTAGAGAC ATTGAGGGAT ACTTTCCTA
2101 TGCTAAAGTG ATAATCGACC AAATAATAAC TTCACTTTGG TATTTATTCC TGTCTTATAA
2161 ATGTTATGTA TGAATTAAAT TCATATGCAT ATGGCTCACT CTGACAATTT TTAATAATCT
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2461 TGGCAGGAAG AGCACTTTGC GCGCACACAC TGTAATCATT GTTCTGGATA AAATCTCTCT
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3121 ACAAACCGCA AAAGTAAAGG TAAGTTTAAA CATATATATA CTAATAACCT CTGATTATTT
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4381 AGTGAAAGTT TATGAAATTA ATTTTCCTGC TTTTGCTTTT TGGGGTTTCC CCTATTGTTT
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5281 atccagctca ttatccaca cgcagagata tgtcgccgat tcgcagatct tcagcaattt
5341 cacca

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Reference for Extended Data figure:

76. Gonzalez-Sandoval, A. et al. Perinuclear Anchoring of H3K9-Methylated Chromatin Stabilizes Induced Cell Fate in *C. elegans* Embryos. *Cell* 163, 1333-1347 (2015).