Sequence of primers for ChIP

	Forward (5' to 3')	Reverse (5' to 3')
HD promoter (h)	ACACTTCACACACAGCTTCG	AGCATGATTGACAGCCCTAG
HD exon-1 (h)	GCTCAGGTTGTGCTTTTACC	TCATCAGCTTTTCCAGGGTC
HD intron-1 (h)	AGAGACAGAGTGACCCAGC	ACAAGGGAAGACCCAAGTGA
Hdh promoter (m)	CTTTTCTATCGCTGGTGCCA	GCTAGTTTAAGACTCTCCGC
Hdh exon-1 (m)	AGAGCCCCATTCATTGCCTT	AAACGACTTGAGCGACTCGA
Hdh intron-1 (m)	AACACTGTTCCCTGTCCAGA	CGTTCCCTAACTTCGCAAAC
Hdh last exon (m)	CTGGTTGCCACAGACTTCTA	AGCTGCCTTCTTTCAGCCTT
ICR H19* (m)	CCGAGAAAATAGCCATTGCCTACAGT	CATGTTCCTTTGAGTCCTGGGTGTA
Calb intron-1 (m)	TCTTCCCTTCGACTGTGCTT	GAAAGGTGAACGCTTACAGC
N-Myc** (h)	GGCTCTGTGAGGAGGCAAGGTG	GCTCTCTATTTGGAGTGGCGGG

Sequence of primers for quantitative RT-PCR

	Forward (5' to 3')	Reverse (5' to 3')
Upstream "CAGs" (h)	GCTCAGGTTGTGCTTTTACC	TCATCAGCTTTTCCAGGGTC
"CAGs"*** (h)	ATGAAGGCCTTCGAGTCCCTCAAGTCCTTC	GGCGGCTGAGGAAGCTGAGGA
HD intron-1 (h)	AGAGACAGAGTGACCCAGC	ACAAGGGAAGACCCAAGTGA
Gapdh (m)	TTGTGATGGGTGTGAACCAC	TTCAGCTCTGGGATGACCTT
18S (m)	GCGAGTACTCAACACCAACA	CCTCAACACCACATGAGCAT

h, human sequence; m, mouse sequence
* According to Ling et al. (Science, 2006)
** According to De Biase et al. (PLoS One, 2009)
*** According to Mangiarini at al. (Nat. Genet., 1997)

Fig. S2