

Table S3. The primers used in COBRA, ChIP-PCR, promoter landscaping analysis and RT-PCR.

Name	5' Primer	3' Primer	Annealing temperature, °C
COBRA			
p19ARF	ggtttttggtattgtgaggattta	aaccttctacctaataccaaaatt	56
BC011343	tggggagttgttagttagtagt	ctcccttaaaaaacaacaccttc	55
Cog8	gtatttgtagttttggaag	taaaaaataaaaaataaaacctcctaa	55
Ran	taattgtgttagggaggtag	ccaaatctataccacaaacac	55
Dot1l	ggttttgtagttttataaagaggg	acttaaacctcaactccaacttctc	55
Tspan5	tgttttatgaatttagaggatgtt	aaaccttaactaccccctacc	55
ID4	atttgagatattttttaaaattt	aaccacccaaactataacc	50
Dscaml1	tttaggtgggggtggagtagtat	ccacataccataaaaaaacctatt	55
Slc6a8	atagttattgggggtgggt	taaacctaaaaaatctcatatatac	55
Mamdc1	ttattttgtagggagggaggat	cctctacccaactaaacatctctac	55
Zic3	taggttagttggttttattgggt	aaatttatcaatcctatccc	55
Tjp1	ggttgggtatgttagtggtt	aaaaatcaaaataaaacaaaaatcc	55
Slc16a11	ttattttgtagttgtagttggtt	acctaaaaataaaaaatcctaaatac	55
Kbtbd9	ggatttttagagtttaattgatt	aaacaaaaaaactaacttccctctc	55
ChIP-PCR			
p19ARF	ttatagatggactcggagcaagg	cccctagcagtagctgcg	58
BC011343	gaggacggtccaggcttta	gaccggatgtacagggtaa	58
Cog8	cccacctcacctacatag	agcatcggagagaacctca	58
Ran	ttgtgtcctccctctc	gactggagctggaaagatgg	58
Dot1l	tggtctctctcgcttctc	accgacgcacgcacttac	58
Tspan5	aagccacctcttttcagg	cgagagagacgaggggaacac	58
ID4	ggcgatccaccttagtcgaag	ttgtgagcgacaatcggc	58
Dscaml1	ttccccttacatggcagac	cagtctcgatcctgctctc	58
Slc6a8	aaagagcgtgaaaacggta	atctggcgtgtccaagtctc	58
Mamdc1	agagcagatccgcacacc	tctaaactcccgccagtctc	58
Zic3	cgctcttgagtagaggag	ggaggagaaggaggagaaa	58
Tjp1	cacaggagttggggttctc	ttactgttaggcggttcc	58
Slc16a11	ctatccctaggcctggttcc	gtgggaaacacctgtgaat	58
Kbtbd9	aggaggggtgatggatagg	aggaacgagagggagggtggac	58
Promoter landscaping			
Ran-1	tagaggtgactcggctcgtaagagta	tggaactggaattacagaatagttgtg	58

Ran-2	taacagatgcttaaacaatgcactagt	ccatattctgtagtccattgaaaacac	58
Ran-3	ctacctcaatcaagtgaccacagat	acgcctgctcttcatatgtcttat	58
Ran-4	tggaaggcataatggtgagagtg	gggcagtaccctagactgaacaaa	58
Ran-5	atgcccgctgagtgattctc	tgtctggcaaccagcct	58
Ran-6	ttgctggtcaattgctgctc	tccaggcggtcagcatcc	58
Ran-7	gtccgctgctctccg	cctcgacgtacctccaga	58
Ran-8	ccgctcgtctccatacca	cctggatgtagtagccatcgc	58
Ran-9	tggtgctgtgatcatatgctg	tgacccgggagcttcc	58
Ran-10	taaagacgaatgaataccttgatctt	accccggtataaacacccc	58
Ran-11	ctaactggcatagagatctggtacga	aatagatttgccttcacttctgt	58
Ran-12	ttagaatgtctggaatggagattat	agttgtagttacttttggcagaaatgtc	58
Zic3-1	atgtaaaccacagtaagccaaagt	tcagacaggaccactcgaacc	58
Zic3-2	ccacaacagaattcgaatggtc	taggagtgtagttgtcagtgagg	58
Zic3-3	aggaatgctagtcccaactacc	cagataccgggataagcgagg	58
Zic3-4	gagggcagaaccggaaaag	ccatctctctgtagcaaacacaact	58
Zic3-5	acacgaaaagcacagtcactgtct	gacacataccagaaacaagcatagatg	58
Zic3-6	ctgttctatcacgggacaagg	gagcctactaacggtaattcggag	58
Zic3-7	gcgctgccaatcattgtgt	aatcactcactcctcgacataaa	58
Zic3-8	cgcgctcttgagtagaggag	ggaggagaagggaggagaaa	58
Zic3-9	cgagcagcttcacgctcc	gttgtccacgtgccctgtg	58
Zic3-10	aagaagagctgcgaccgga	ccaatagcagacgtggtgttc	58
Zic3-11	cgccgagaccttcagtacc	ggaacttagaactcggcaaaaagc	58
Zic3-12	actaccaggcttagcaaaaaccg	aaccaagctgggtaggacaatg	58
RT-PCR			
Zic3	tgcgacaagtctcacacaca	ctatagcgggtggagtggaa	58
Tjp1	gcagccaaagaaggcttaga	ggaggtaaggaggaaaagg	58
Cog8	agttctgcactgccttctg	gtccaaggttccgtgctta	58
Ran	tgtgtggcaacaaagtggat	ctggcaagccagaggaaag	58
GAPDH	cgggtgtgaacggatttggc	tttgatgttagtgggtctcgc	58