Supplementary Material

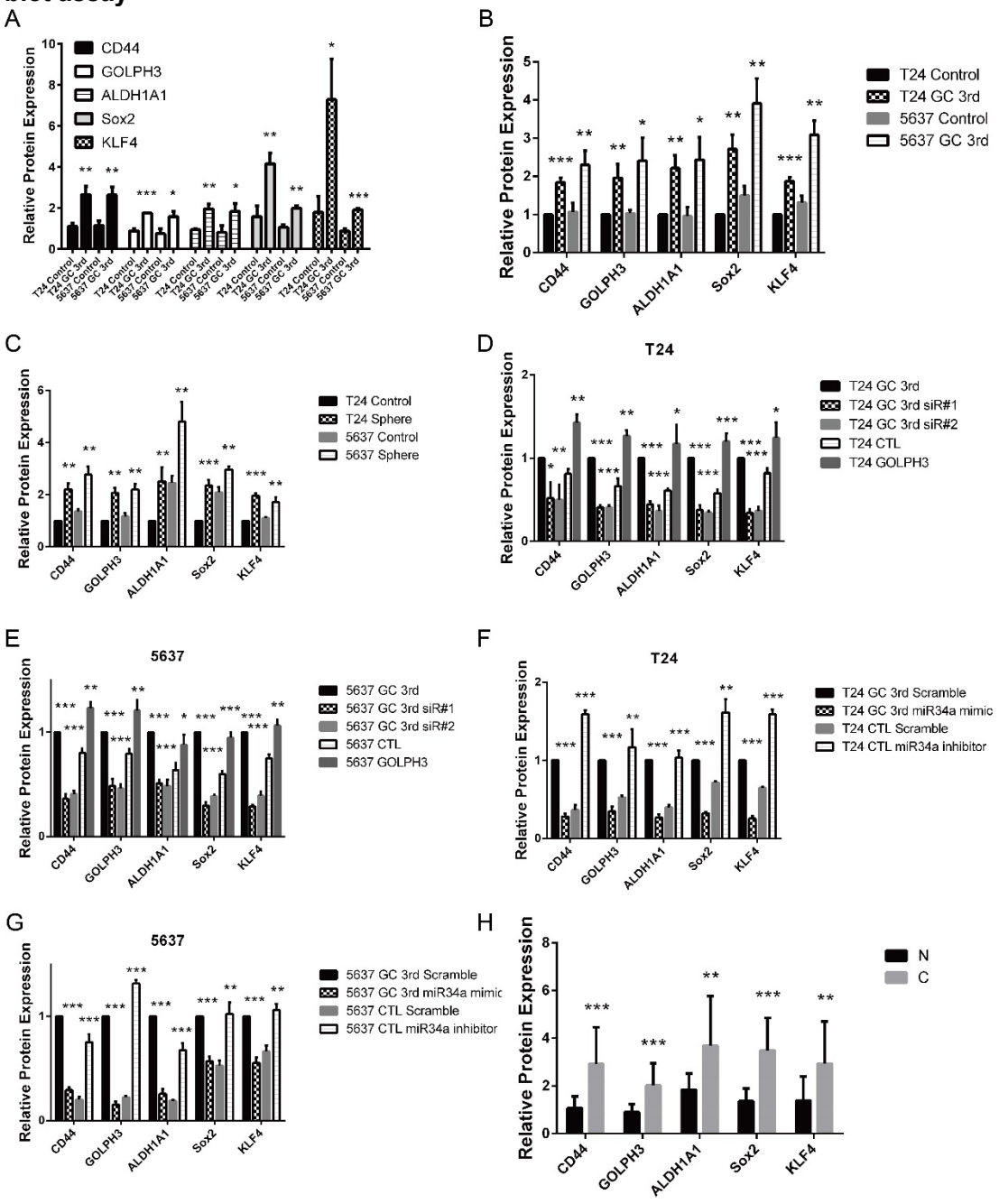
Supplementary Table S1. Primer list for qRT-PCR and miRNA PCR array

qRT-PCR primer	Forward (5'- to - 3')	Reverse (5'- to - 3')
CD44	AGCAACTGAGACAGCAACCA	AGACGTACCAGCCATTTGTGT
Sox2	TTTGTCGGAGACGGAGAAGC	TAACTGTCCATGCGCTGGTT
GOLPH3	CAAGGACCGCGAGGGTTAC	CAAGGACCGCGAGGGTTAC
ALDH1A1	GCACGCCAGACTTACCTGTC	CCTCCTCAGTTGCAGGATTAAAG
KLF4	CCTCCTCAGTTGCAGGATTAAAG	CAGGTCCAGGAGATCGTTGAA
β-actin	CAGGTCCAGGAGATCGTTGAA	CTCCTTAATGTCACGCACGA
miRNA primer	**RT-primer (5'- to - 3')**	**qPCR-primer (5'- to - 3')**
Uni-primer		CTCAAGTGTCGTGGAGTCGGCAA
U6	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGAACGCTTC	ACACTCCAGCTGGGACGCAAATTCGTGAAG
miR-34a-5p	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGACAACCAG	ACACTCCAGCTGGGTGGCAGTGTCTTAGCT
miR-142-3p	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGTCCCTGAT	ACACTCCAGCTGGGTGGATTTTTGGATCAG
miR-16	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGCGCCAATA	ACACTCCAGCTGGGTAGCAGCACGTAAATA
miR-200b	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGTCCAATGC	ACACTCCAGCTGGGCATCTTACTGGGCAGC
miR-200c	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGCCAAACAC	ACACTCCAGCTGGGCGTCTTACCCAGCAGT
miR-27a	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGTGCTCACA	ACACTCCAGCTGGGAGGGCTTAGCTGCTTG
miR-320c	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGACCCTCTC	ACACTCCAGCTGGGAAAAGCTGGGTTGAGA
miR-29c	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGGAACACCA	ACACTCCAGCTGGGTGACCGATTTCTCCTG
miR-143	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGACCAGAGA	ACACTCCAGCTGGGGGTGCAGTGCTGCATC
miR-133b	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGTAGCTGGT	ACACTCCAGCTGGGTTTGGTCCCCTTCAAC
miR-100	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGCACAAGTT	ACACTCCAGCTGGGAACCCGTAGATCCGAA
miR-490-5p	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGACCCACCT	ACACTCCAGCTGGGCCATGGATCTCCAGGT
miR-1	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGATGGGCAT	ACACTCCAGCTGGGACATACTTCTTTATAT
miR-125b	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGTCACAAGT	ACACTCCAGCTGGGTCCCTGAGACCCTAAC
miR-128	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGTCTCAGAC	ACACTCCAGCTGGGCGGGGCCGTAGCACTG
miR-203	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGAACTGTTG	ACACTCCAGCTGGGTAGCAGCACAGAAATA

miR-133a	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGATTTGGTT	ACACTCCAGCTGGGAGCTGGTAAAATGGAA
miR-99a	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGCACAAGAT	ACACTCCAGCTGGGAACCCGTAGATCCGAT
miR-135a	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGTCACATAG	ACACTCCAGCTGGGTATGGCTTTTTATTCC
miR-1182	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGGTCACATC	ACACTCCAGCTGGGGAGGGTCTTGGGAGGG
miR-24	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGACTGATAT	ACACTCCAGCTGGGTGCCTACTGAGCTGAT
miR-138	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGCGGCCTGA	ACACTCCAGCTGGGAGCTGGTGTTGTGAAT
miR-30a	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGCTTCCAGT	ACACTCCAGCTGGGTGTAAACATCCTCGAC
miR-144-5p	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGCTTACAGT	ACACTCCAGCTGGGGGATATCATCATATAC
miR-144-3p	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGAGTACATC	ACACTCCAGCTGGGTACAGTATAGATGATG
miR-145	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGAGGGATTC	ACACTCCAGCTGGGGTCCAGTTTTCCCAGG
miR-186	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGAGCCCAAA	ACACTCCAGCTGGGCAAAGAATTCTCCTTT
miR-193a-3p	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGACTGGGAC	ACACTCCAGCTGGGAACTGGCCTACAAAGT
miR-320a	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGTCGCCCTC	ACACTCCAGCTGGGAAAAGCTGGGTTGAGA
miR-23b	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGAAATCAGC	ACACTCCAGCTGGGTGGGTTCCTGGCATGC
miR-590-3p	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGACTAGCTT	ACACTCCAGCTGGGTAATTTTATGTATAAG
miR-129	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGGCAAGCCC	ACACTCCAGCTGGGCTTTTTGCGGTCTGGG
miR-214	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGGCACAGCA	ACACTCCAGCTGGGTGCCTGTCTACACTTG
miR-493	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGAATGAAAG	ACACTCCAGCTGGGTTGTACATGGTAGGCT
miR-221	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGAAATCTAC	ACACTCCAGCTGGGACCTGGCATACAATGT
miR-195	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGGCCAATAT	ACACTCCAGCTGGGTAGCAGCACAGAAATA
miR-27b	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGGTTCACCA	ACACTCCAGCTGGGAGAGCTTAGCTGATTG
miR-449a	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGACCAGCTA	ACACTCCAGCTGGGTGGCAGTGTATTGTTA
miR-485-5p	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGGAATTCAT	ACACTCCAGCTGGGAGAGGCTGGCCGTGAT
miR-101	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGAGCATCAG	ACACTCCAGCTGGGCAGTTATCACAGTGCT
miR-218	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGACATGGTT	ACACTCCAGCTGGGTTGTGCTTGATCTAAC
miR-497	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGACAAACCA	ACACTCCAGCTGGGCAGCAGCACACTGTGG
miR-574-3p	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGTGTGGGTG	ACACTCCAGCTGGGCACGCTCATGCACACA
miR-576-3p	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGGATTCCAA	ACACTCCAGCTGGGAAGATGTGGAAAAATT

miR-10b	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGCACAAATT	ACACTCCAGCTGGGTACCCTGTAGAACCGA
miR-182-5p	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGAGTGTGAG	ACACTCCAGCTGGGTTTGGCAATGGTAGAACT
miR-9	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGTCATACAG	ACACTCCAGCTGGGTCTTTGGTTATCTAGCT
miR-708	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGCCCAGCTA	ACACTCCAGCTGGGAAGGAGCTTACAATCT
miR-19a	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGTGTAGTGC	ACACTCCAGCTGGGAGTTTTGCATAGTTGC
miR-96	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGAGCAAAAA	ACACTCCAGCTGGGTTTGGCACTAGCACAT
miR-150	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGCACTGGTA	ACACTCCAGCTGGGTCTCCCAACCCTTGTA
miR-155	CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTTGAGACCCCTATC	ACACTCCAGCTGGGTTAATGCTAATCGTGA

Supplementary Figure S1 Relative quantification of protein expression levels in western blot assay



Supplementary Figure S1 legends:

(A) quantification of protein expression levels in Fig 1B, (B) quantification of protein expression levels in Fig 2D, (C) quantification of protein expression levels in Fig 3A, (D) quantification of protein expression levels in Fig 3E left, (E) quantification of protein expression levels in Fig 3E right, (F) quantification of protein expression levels in Fig 4I left, (G) quantification of protein expression levels in Fig 4I right, (H) quantification of protein expression levels in Fig 6C (* P < 0.05, ** P < 0.01, ***P < 0.001.) The experiment was done in triplicate.