

<p><b>n-cluster-111</b>            Chromosome-1            Hairpin: 17604384-17604470            Mature: 17604443-17604464            Conservation score: 0            Presence of miR*:No</p>	<pre> 10      20      30      40 -- CCATT  CT  -  TG--  GAATG GC   TGCCTGG  TGGGG  TGGCAG  TCC  TGG  A CG   ACGGGACC  GCCCC  ACCGTC  AGG  ACC  G TA  AC---  TT  G  C  TCAA  GTAGA       80      70      60      50           </pre> <p>GCCCATTTGCCCTTGGCTTGGGGTGGCAGTCTCTGTGGGAATGAGAGATGCCAAACTGGAC<b>CTGCCAGCCCCGTTCCAG</b>  <b>GGCACAGCAT</b></p>
<p><b>n-cluster-778</b>            Chromosome-11            Hairpin: 36031648-36031754            Mature: 36031731-36031753            Conservation score: 0.981            Presence of miR*:No</p>	<pre> 10      20      30      40      50 CC  G  CTCT  GC  A-  AGGA  -  C  C GC  AGG  TAG  CTGTATT  TTGTT  CATTTT  TTGCTTGC  CC  TTG  \ CG  TCC  ATT  GACATGA  AACAA  GTAAAG  GACGGACG  GG  AAC  T AT  G  AC--  --  AC  AA--  T  T  C       100      90      80      70      60           </pre> <p>GCCCAGGGTAGCTCTGTATTGCTTGTACATTTTAGGATTGCTTCCCCTTGTCCAATGGTGCAGGCAGAAGAAAT  <b>GCAAACAAGTACAGCATTAGCCTTAGC</b></p>
<p><b>n-cluster-108</b>            Chromosome-12            Hairpin: 5840694-5840832            Mature: 5840701-5840724            Conservation score: 0.012            Presence of miR*:No</p>	<pre> 10      20      30      40      50      60      70 TGA  ATATA  GA  A-  AT  G  T-  AC  G-  TTC  C  A GGG  GAGAGCAG  AGATT  ATGTCAT  TG  AGT  GG  TGCA  GGC  CTTTA  ACAAT  A CTC  TTTTGTGC  TTTAG  TACAGTA  AC  TCA  TC  ATGT  TCG  GAAGT  TGTTA  A ----  GGTA-  130  GG  120  GS  110  CG  G  TT  CA  AG  T--  80  A  T           </pre> <p>TGAGGGATATAGAGAGCAGGAAGATTAATGTCATATTGGAGTTGGACTGCAGGGCTTCTTTACACAATAAATATTG  TATGAAGTGCTGATGTAACCTTTACTGCAGCATGACATGGGATTGGCTGTTTTTATGGCTC</p>
<p><b>s-cluster-100</b>            Chromosome-12            Hairpin: 17826233-17826328            Mature: 17826242-17826264            Conservation score: 0.773            Presence of miR*:No</p>	<pre> 10      20      30      40 GTT-----  A-----  CAT  AA  TGCACC  40  AA CAGGG  A---  A---  TGT  GGTAA  CATA  TTT  T GTCC  TTTCCG  ACA  TCACTT  GTAT  AAA  A CAAAACC  CATGCC  ---  TAAACA  C  CT       90      80      70      60      50           </pre> <p>GTTCAGGGA<b>AAAGGTCATTGTAAGGTTAATGC</b>ACCATATTTAATATCAAACATGACAAATTTGACTACAGCCTTT  CCGTACCCTGCCAAAC</p>
<p><b>s-cluster-200</b>            Chromosome 18            Hairpin: 33171701-33171770            Mature: 33171746-33171767            Conservation score: 0.006            Presence of miR*:Yes</p>	<pre> 10      20      30      TA CATGT  AGGT  AGTG  ATT  GCT  ATTTC  AC  \ GTACA  TTCA  TCAC  TAA  CCG  TAAAG  TG  G       C  G  T  AG  GA---  GA       60      50      40           </pre> <p>CATGTAGGTGAGTGATTGCTATTTCAAAGACTAGAGGTAGGAAAT<b>GAGGCTAATGCACTACTTCACATG</b></p>
<p><b>s-cluster-373</b>            Chromosome-5            Hairpin: 82135974-82136043            Mature: 82135976-82135998            Conservation score: 0.315            Presence of miR*:No</p>	<pre> 10      20      30      CG -  G  T-  T  TAACTT  T  G TT  TGCT  CA  CGTAAT  AAGTGGTT  G AA  ACGG  GT  GTATTG  TTCACTAA  G T  G  TT  -  TTTAAT-  AT       60      50      40           </pre> <p>TT<b>GTGCTTCATCGTAATTAACCTTA</b>AGTGGTTCCGGGTAATCACTTTAATTTGTTATGTGTTGGCAGAAT</p>
<p><b>t-cluster-427</b>            Chromosome-9            Hairpin: 33952750-33952871            Mature: 33952814-33952836            Conservation score: 0.913            Presence of miR*:Yes</p>	<pre> 10      20      30      40      50 AAAAAATTTT  T-----  T  TCA-----  AAATTC  GAATC  \ TTTTTTAAGA  ATCTT  GTCCAGGAAAC  GGTAGTT  CACATG  CACATG  \ TTTTCATC  TAGAA  CAGGCTTTTTG  CCAATAA  GTGTAT  GTGTAT  A 120  110  100  90  80  70  60           </pre> <p>AAAAAATTTTATCTTTGTCCAGGAAACTCAGGTAGTTAAATCCACATGGAATCATCAGATAT<b>GTGCTTGGAAATTAC</b>  <b>CACATCAT</b>TGTTTTCTGGACTAAGACTACTACTGTAGAATTTTT</p>
<p><b>t-cluster-510</b>            Chromosome-X            Hairpin: 109325346-109325446            Mature: 109325349-109325372            Conservation score: 0.003            Presence of miR*:Yes</p>	<pre> 10      20      30      40      50 TG  -  AT  ----  AGCCAAAAT  AA  AAAT TCAG  GAAAAGC  ATGC  CCAAGGCT  GTGG  TAG  GGGCCA  T AGTT  CTTTTG  TACG  GGTTCGA  CACC  ATC  CCGGGT  C       TT  C  --  80  ACGA  70  A-  60  CCAAT           </pre> <p>TCAG<b>GTGGAAAGCATGCATCCAGGGTGT</b>GGAGCCAAAATTAGAAGGGCCAAAATTTACTGCCCCACTACCACAGCA  ACCTTGGGCATCGTTTTCTTTTGA</p>
<p><b>t-cluster-916</b>            Chromosome-16            Hairpin: 33964216-33964307            Mature: 33964279-33964302            Conservation score: Yes            Presence of miR*:1</p>	<pre> 10      20      30      40 A  TT  GA  CC  GA  C---  T  C GGATGST  AGT  GGC  TCT  TCAGC  CCGCCGGG  CAG  C TCTATCA  TCA  CTG  AGA  AGTCG  GGTGGTCC  GTC  C A  GT  AG  AC  AG  CAA  C  A       90      80      70      60      50           </pre> <p>AGGATGGTTTGTAGTGGCCCTCTGATCAGCCCCCGGGTTCAGCCCACTGCCCTGGTGAAC<b>CTGAGAAGACAGTC</b>  <b>GAACCTGACTATCTA</b></p>

The novel miRNAs identified in AML1 and normal CD34 are shown here with their hairpin and mature miRNA genomic location (NCBI37). Conservation of the miRNAs is denoted by their conservation score with a score more than 0.7 representing high conservation among species. The hairpin structure is shown with the mature miRNAs marked with a red line. The mature miRNA sequence is colored red within the hairpin structure of the miRNA.