

SUPPLEMENTARY INFORMATION

Elucidation of the Molecular Interaction between miRNAs and the HOXA9 Gene, Involved in Acute Myeloid Leukemia, by the Assistance of Argonaute Protein through a Computational Approach

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Supplementary Table 1. miRNA target sites in *HOXA9* gene are highlighted using different color

NCBI accession No.	Organism	Gene name	<i>HOXA9</i> DNA sequence
NM_1527 39.3	<i>Homo sapiens</i>	Homeo boxA9 (<i>HOXA9</i>), mRNA	AGTTGTTACATGAAATCTGCAGTTCATATTCCGTGGGTCGGGCCGG CGGGCCAGGCCTGGCACGGTGA TGGCCACC ACTGGGCCCTGGCAAC TACTACGTGGACTCGTCTCTGCTGGCGCGACGCCGGATGAGCTGAG CGTTGCCGCTATGCGCCGGGACCCCTGGCCAGCCTCCCCGGCAGGCCG CGACGCTGGCGAGCACCCCAGCTTCAGCCGTGCAGCTCCAGTCCAAG GCGACGGTGTGTTGGCGCCTCGTGGAACCCAGTGCACGCCGGCGCCAA CGCTGTACCCGCTCGGGTGTACCAACCCATCACCAACCAACCCCTACGTG ACCCCCAGGCCCGTGGCGGGCGGCCGGACGGCAGGTACATGCGC TCCTGGCTGGAGCCCACGCCGGTGCCTCTCCCTCGCGGGCTTGCCCTC CAGCCGCCTTATGGCATTAACCTGAACCGCTGTGGCCAGAAGGGGTG ACTGTCACGCTTGACACTCACACTTGTCCCTGACTGACTATGCTTGT GGTTCTCCTCCAGTTGATAGAGAAAAACAACCCAGCGAAGGCCCTCTC TGAAAACAATGCTGAGAATGAGAGCGGGAGACAAGCCCCATCGATC CCAATAACCCAGCAGCAACTGGCTCATGCCGCTCCACTCGGAAAAG CGGTGCCCTATACAAAACACCAGACCCCTGGAACGGAGAAAGAGTTCT GTTCAACATG TACCTCAC CCAGGGACCGCAGCTACGAGGTGGCTGACTGC TCAACCTACCGAGAGG CAGGTC AAAGATCTGGTCCAGAACCGCAGGATG AAAATGAAGAAAATCAACAAAGACCGAGCAAAGACGGAGTGTGCCATT GGCTTATTTAGAAAAAGGGTAAGCTAGAGAGAAAAAGAAAGAACTGTC CGTCCCCCTCCGCCCTCTCCCTCTCACCACCCCTAGCCTCCACC ATCCCCGCAAAAGCGGCTCTAACCTCAGGCCACATCTTTCAAGGCA AACCTGTTAGGCTGGCTCGTAGGCCTGCCGTTGATGGAGGAGGTAT TGTAAGCTTCCATTCTATAAGAAAAAGGAAAGTTGAGGGGGGGCA TTAGTGCTGATAGCTGTGTTAGCTTGATATATATTTTAAAGATC TACCTGTTCTGACTTAAACAAAAGGAAAGAA ACTAC TTTATAATG CACAACGTGATGGTAGGCTGTATAGTTTAGTCTGTGATGTTAATT AATTGCAAGTTGTGCGGCAGATTGCTCTGCCAAGATACTTGAACACTGT GTTTTATTGTGTAATTATGTTGTGATTCAAACCTCTGTGACTGGGT GATGCACCCATTGTGATTGTGAAAGATAGAAATTCAATTGAACCTCAGGTT GTTTATGAGGGAAAAAAACAGTTGCATAGAGTATAGCTCTGTAGTGGAA TATGCTCTCTGTATAACTAGGCTGTTAACCTATGATTGAAAGTAGCTGT AAGAATTCCCAGTGAATAAAGGAAATTGTTCTCGGGGATGC ATAGATTCATCATTCTCCACCTTAAAGCAGGCAATTAGTCTGTC CATTATCTATATAGTCTGTCTATTGTATATATAATCTATATGAT TAAAGAAAATATGCATAATCAGACAAGCTGAATATTGTTTGACCAAG ACGAACAGTGAGGAAATTGGAGCTACATATGTGCAAGGGT ACTAC C AGGTTTATGCTTAATTAAATTGGAGGAAATGAATGCTGATTGTAAC GGAGTTAATTATTGATAATAAATTATACACTATGAAACCGCCATTGGG CTACTGTAGATTGTATCCTGATGAATCTGGGGTTCCATCAGACTGAA CTTACACTGTATATTGCAATAGTTACCTCAAGGCCACTGACCAAAATT GTTGTGTTGAGATGATATTAACTTTTGCCAAATAAAATATTGATT TTTCTAAAAAAAAAAAAAAAAAAAAAA

mir-145, yellow; mir-126, sky; let-7a, pink; mir-196b.1, green; mir-196b.2, violet. Coding portion of *HOXA9* is shown in red color. Two binding sites predicted for mir-196b in *HOXA9* represented as mir-196b.1 and mir-196b.2, respectively.