






## 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 4.** Minimum free energy (MFE) score based miRNA-mRNA (HOXA9 gene) duplex and their predicted secondary structures are reported

miRNA	miRNA-mRNA duplex	Dot-bracket image	Secondary structure of miRNA-mRNA Duplex	Folding energy (kcal/mol)
mir-145	GGAACUGGAUCCAGUUUU	(((((((.....)))))))))		-5.90
mir-126	GGUACGAUCGUACC	(((((((.....)))))))))		-5.40
let-7a	UACCUCAUGAGGUA	(((((((.....)))))))))		-4.0
mir-196b.1	ACUACCUAGGUAGU	(((((((.....)))))))))		-4.60
mir-196b.2	ACUACCUAAGGUAGU	(((((((.....)))))))))		-4.90