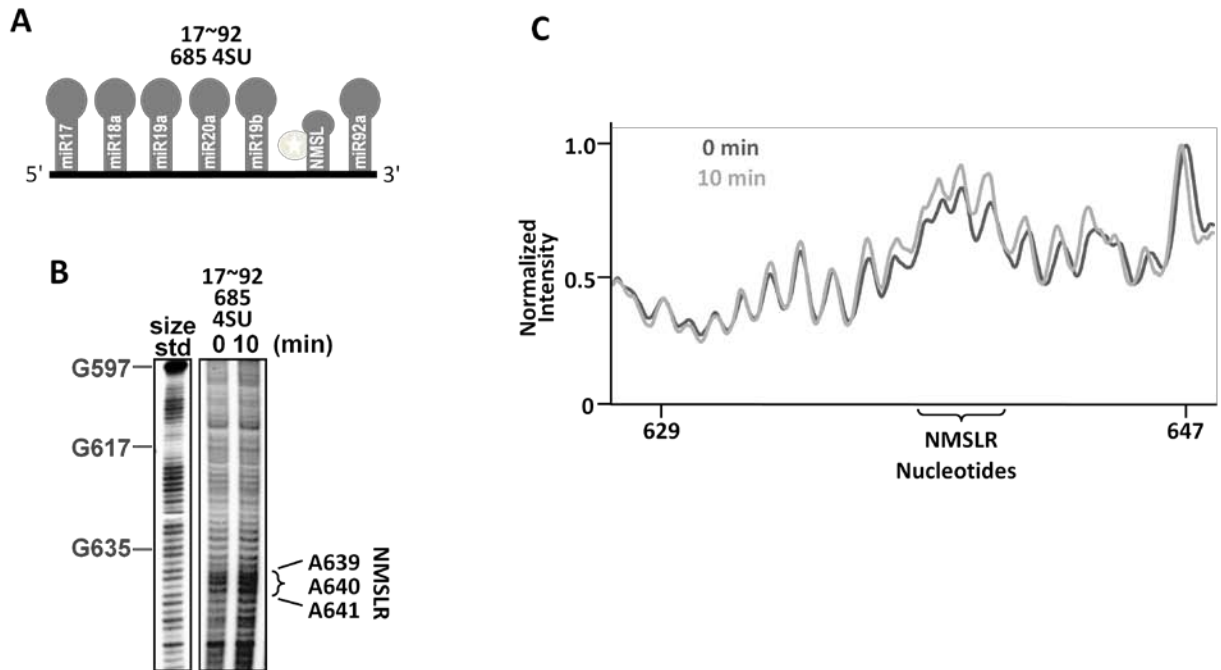


*Supplementary Data*

**MicroRNA miR-92a-1 Biogenesis and mRNA Targeting is Modulated by a Tertiary Contact within the miR-17~92 microRNA cluster**

**Chaulk, S.G.<sup>1,\*</sup>, Zhizhong Xu<sup>2</sup>, Glover, J.N.<sup>1</sup>, Richard P. Fahlman<sup>1,2,\*</sup>**

<sup>1</sup>Department of Biochemistry, <sup>2</sup>Department of Oncology, University of Alberta, Edmonton, Alberta, Canada, T6G 2H7.



**Supplemental Figure 1.** Tertiary contact between the NMSL and NMSLR. (A) Schematic of 4SU incorporation into the 17~92 cluster 3' for photo-cross-linking. (B) Cross-link dependent reverse transcription stops indicate the positions of the nucleotides cross-linked to the 4SU within 17~92. Positions of size standards corresponding to positions G597, G617 and G635 are indicated on a DNA ladder. Significant increases in band intensity are only observed for the NMSLR region. The 685 4SU 17~92 RNA was prepared as described in the materials and methods section. The 5' and 3' portions for ligation to the 4-thio-U RNA were transcribed from PCR generated T7 RNA polymerase templates.