



**Supplemental Figure 5. A 5'-triphosphate on the BLV pre-miRNA and duplexed-miRNA mimics decreases 5p miRNA association with Argonaute.**

(A) Northern blot analysis of 5p and 3p miRNAs in parental (WT) and DUSP11-KO HEK293T cells transfected with the BLV-B2 pre-miRNA mimic treated with or without RNA-5'-polyphosphatase. (B) RIP-northern blot analysis for Argonaute 2 from parental (WT) and DUSP11-KO HEK293T cells co-transfected with the 5'-triphosphorylated BLV-B5 and BLV-B2 pre-miRNA mimics treated with or without RNA-5'-polyphosphatase and pAgo2-FLAG. The membrane was stripped and re-probed for the indicated miRNAs. (C) RIP-northern blot analysis for Argonaute 2 from parental (WT) and DUSP11-KO HEK293T cells co-transfected with the 5'-triphosphorylated BLV-B5 duplexed-miRNA mimics treated with or without RNA-5'-polyphosphatase and the pAgo2-FLAG. The membrane was stripped and re-probed for the indicated miRNAs.