

*****CTGTGTTTCTCCATATCTCA***** mir52

3' ACUCUAUAACCUCUUUUGUUC 5'

Agarose gel electrophoresis image showing a DNA marker and a cDNA sample. The marker lane on the left has bands at 2 kb, 1 kb, 750 bp, 500 bp, 250 bp, and 100 bp. The cDNA lane on the right shows a single band at approximately 250 bp.

Figure 2 shows a Northern blot analysis of miR52 and OsSET1 expression. The blot has four lanes labeled Mock, miR52, miR52+ OsSET1, and OsSET1. The rows are labeled U6, miR52, OsSET1, and 18s. The U6 row shows a strong band in the miR52 lane and a weaker band in the miR52+ OsSET1 lane. The miR52 row shows a strong band in the miR52 lane and a weaker band in the miR52+ OsSET1 lane. The OsSET1 row shows a strong band in the OsSET1 lane and a weaker band in the miR52+ OsSET1 lane. The 18s row shows consistent band intensity across all lanes, serving as a loading control.