

Figure 1S: Northern blot analysis of the indicated pre-miRNAs in transfected cells. Right panel is the longer exposure version.

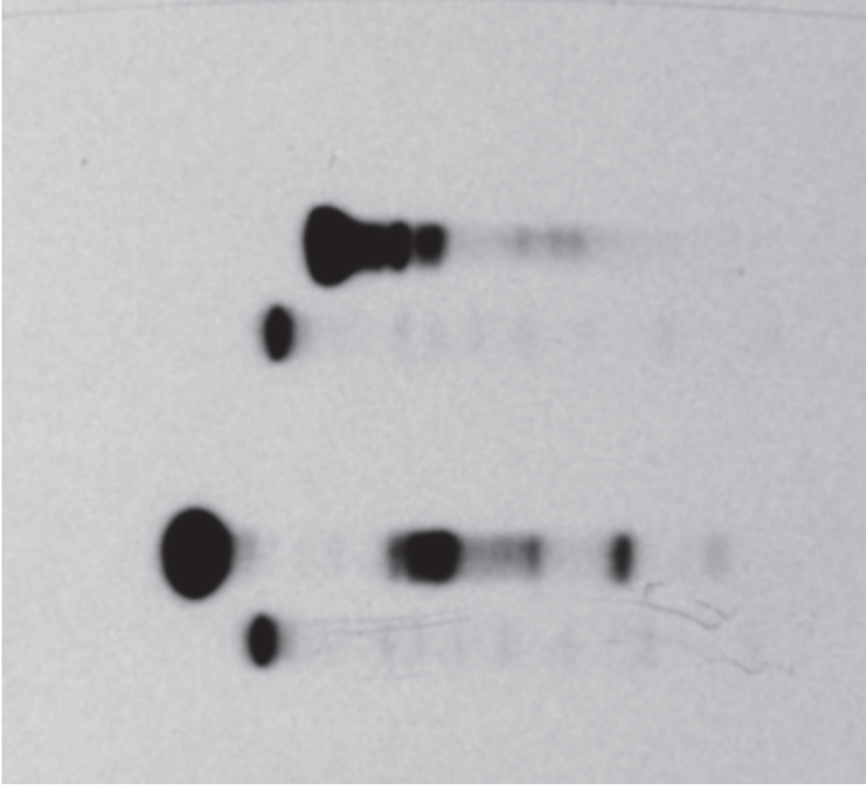
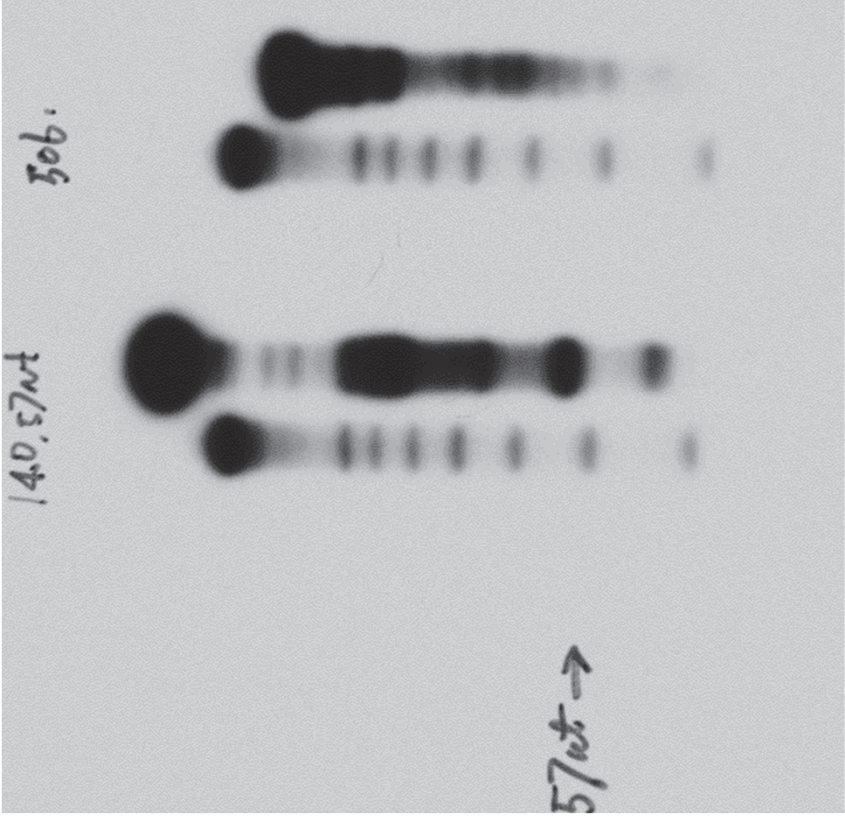


Figure 2S: Northern blot analysis of the indicated pre-miR-140 in transfected cells. Right panel is the longer exposure to show RNA marker.

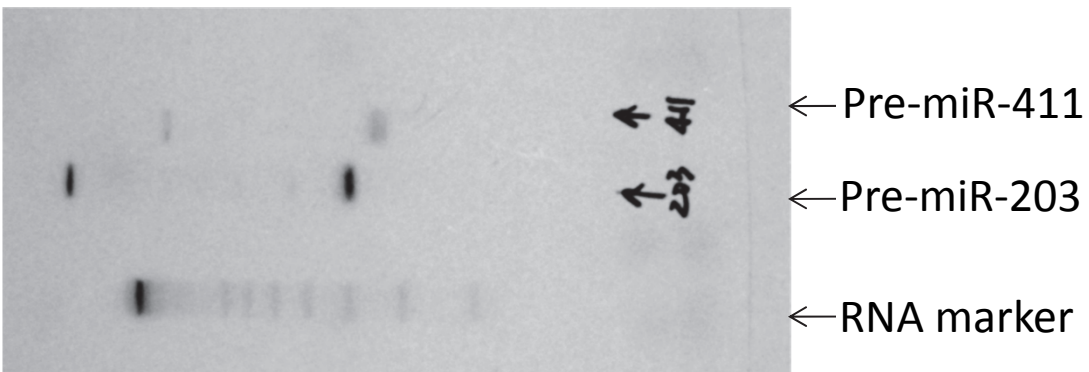
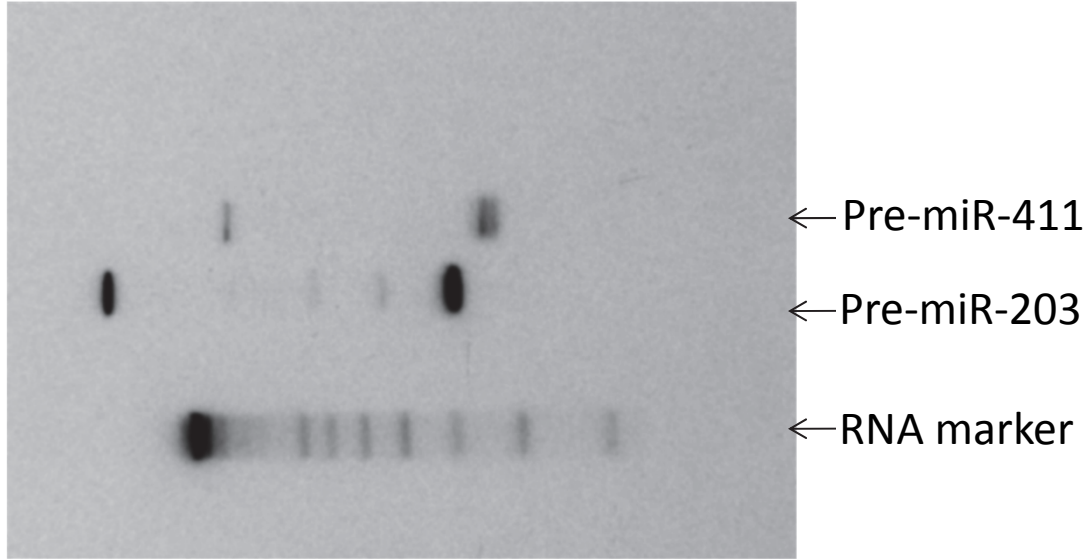


Figure 3S: Northern blot analysis of the indicated pre-miRNAs in transfected cells. Right panel is the longer exposure to show pre-miR-411

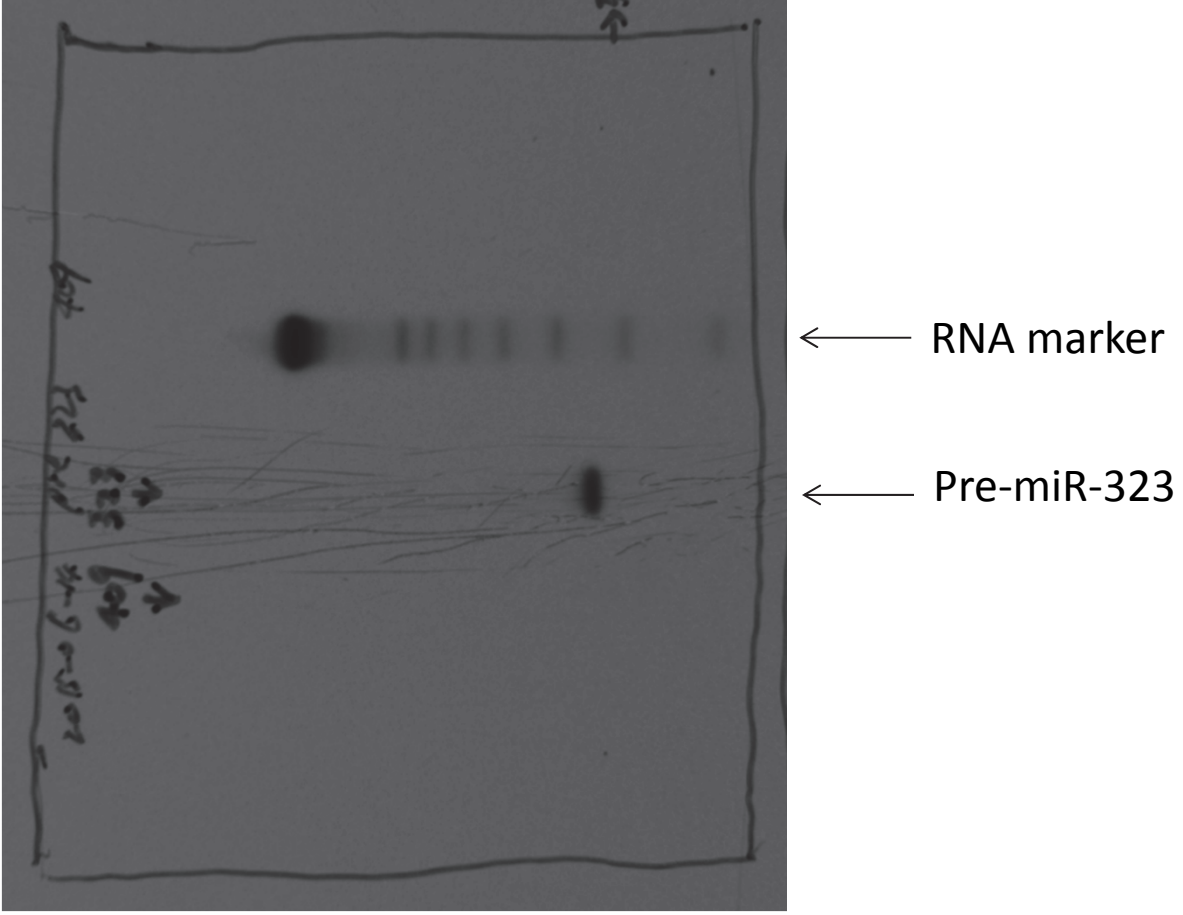


Figure 4S: Northern blot analysis of the indicated pre-miR-323 in transfected cells.

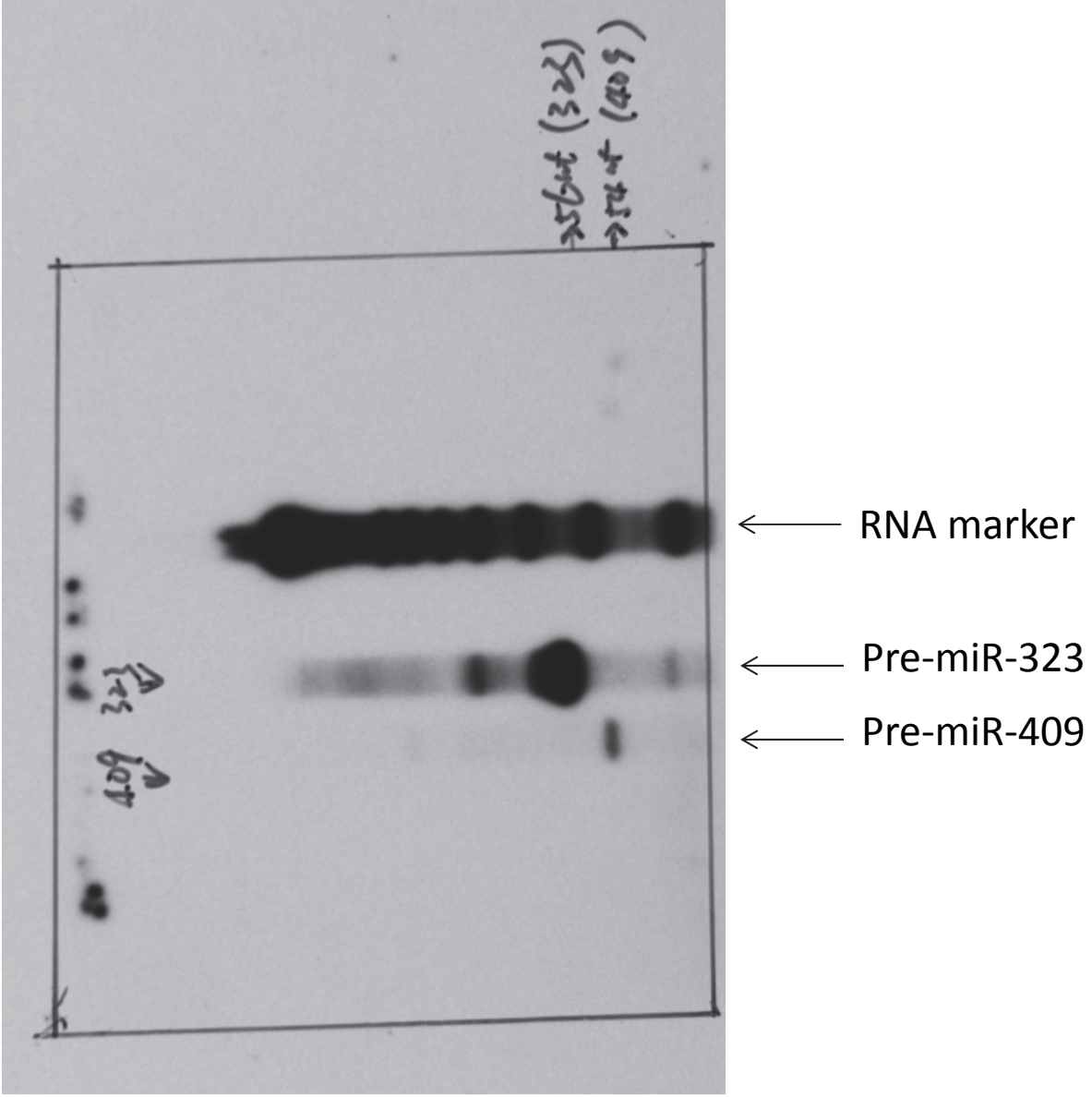


Figure 5S: Northern blot analysis of the indicated pre-miRNAs in transfected cells.

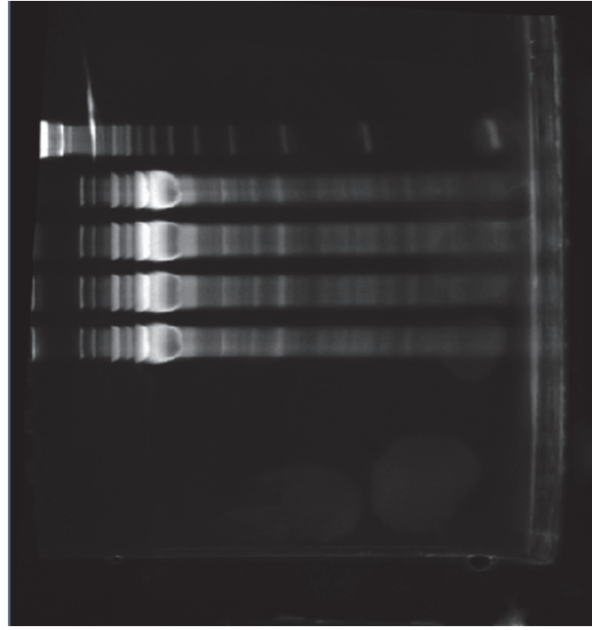
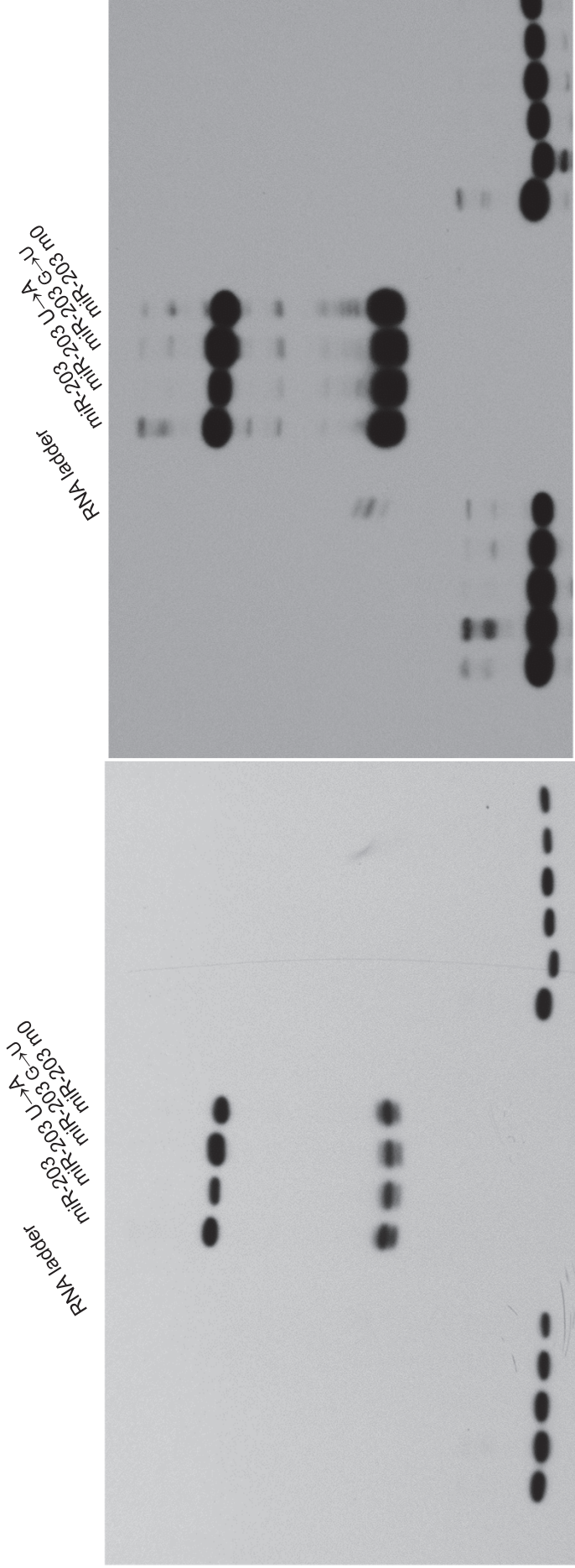


Figure 6S: Northern blot analysis of the indicated miR-203 mutants in transfected cells.
Right panel is the longer exposure version.

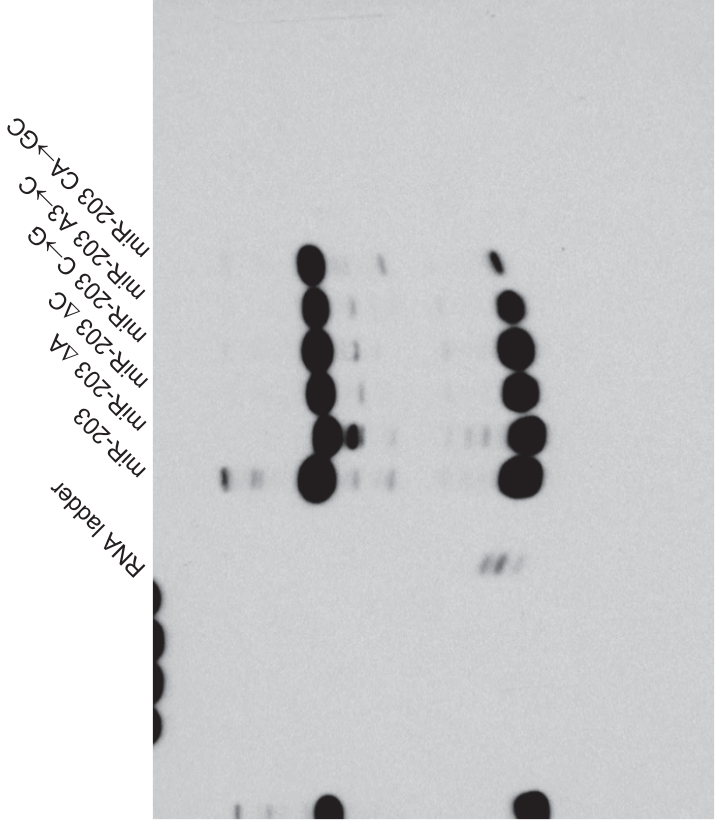


Figure 7S: Northern blot analysis of the indicated miR-203 mutants in transfected cells. Right panel is the longer exposure version.

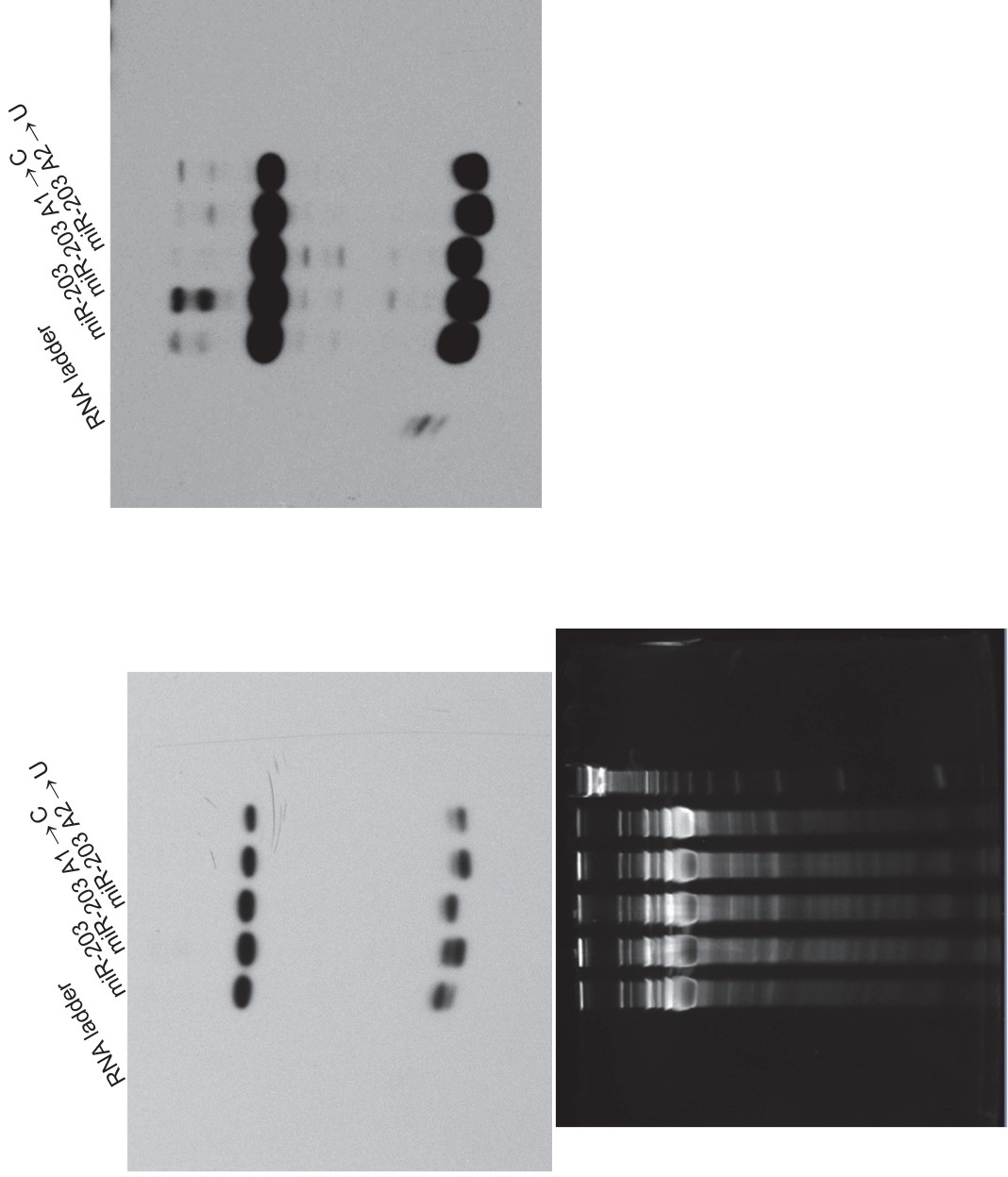


Figure 8S: Northern blot analysis of the indicated miR-203 mutants in transfected cells. Right panel is the longer exposure version.

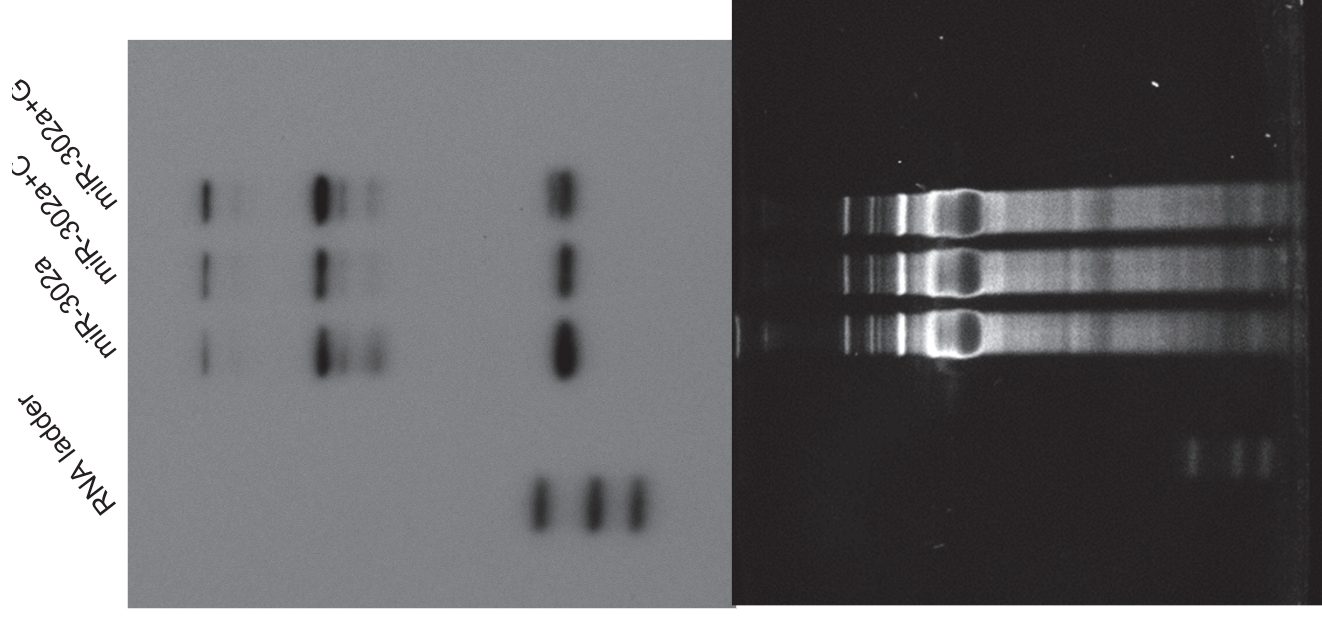


Figure 9S: Northern blot analysis of the indicated miR-302a and mutants in transfected cells.

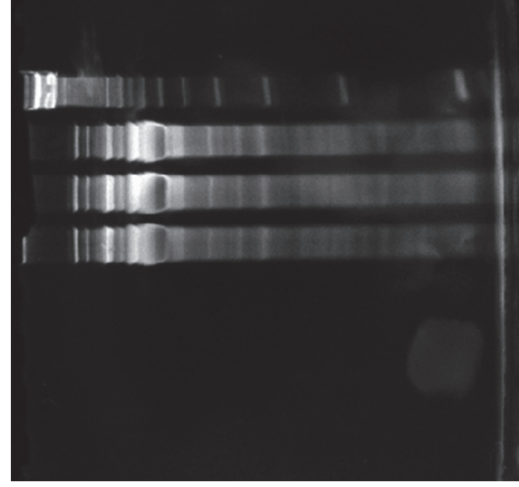
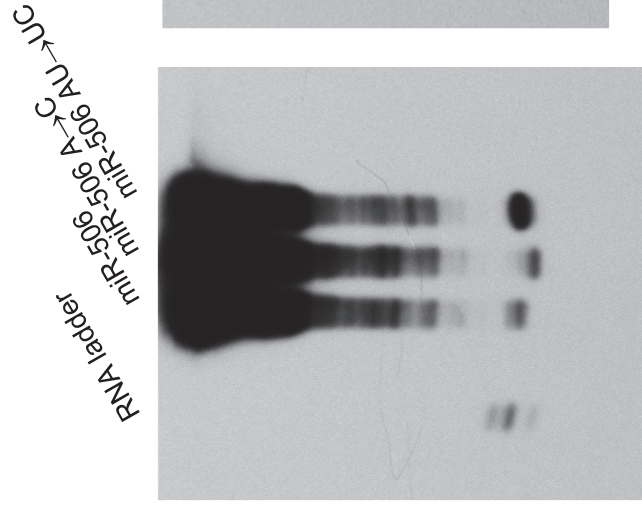
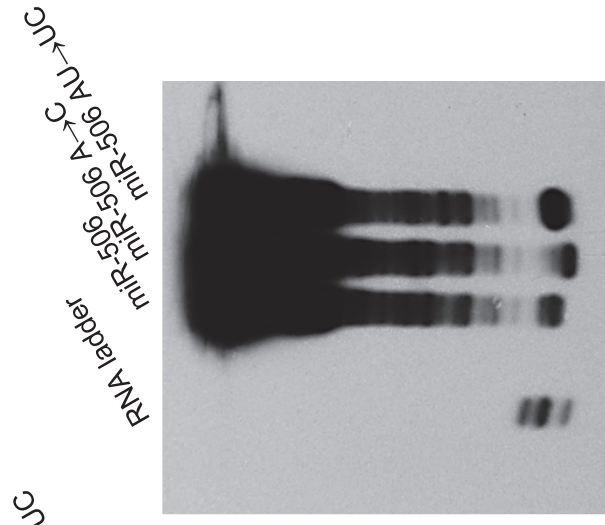


Figure 10S: Northern blot analysis of the indicated miR-506 and mutants in transfected cells. Right panel is the longer exposure version.

RNA ladder
miR-203
miR-203 AA
miR-203 AC
miR-203 C→G
miR-203 A3→C
miR-203 CA→GC

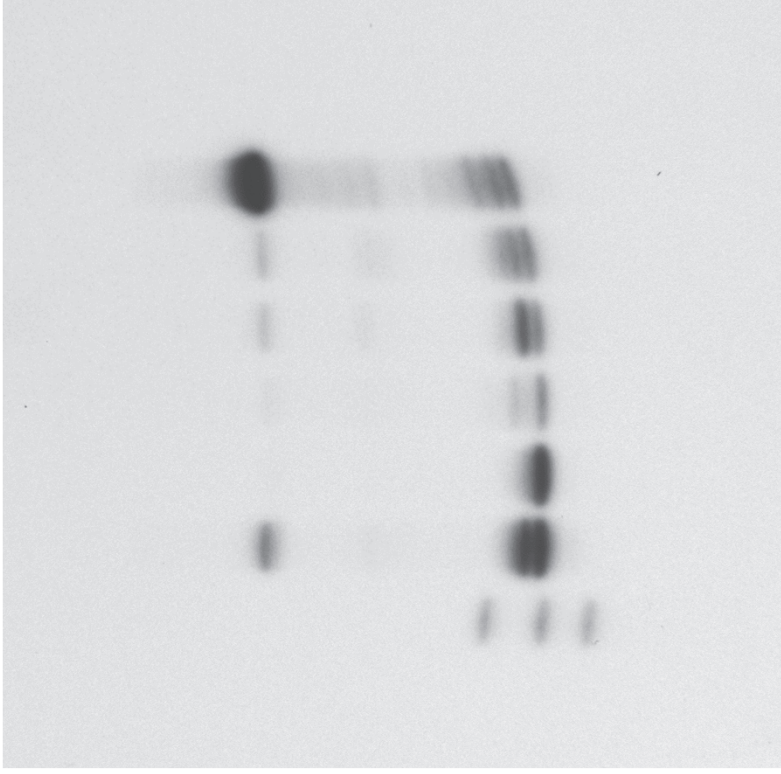


Figure 11S: Northern blot analysis of the indicated miR-203 mutants processed *in vitro*.

RNA ladder
miR-203
miR-203 A1 ← C
miR-203 A2 → U

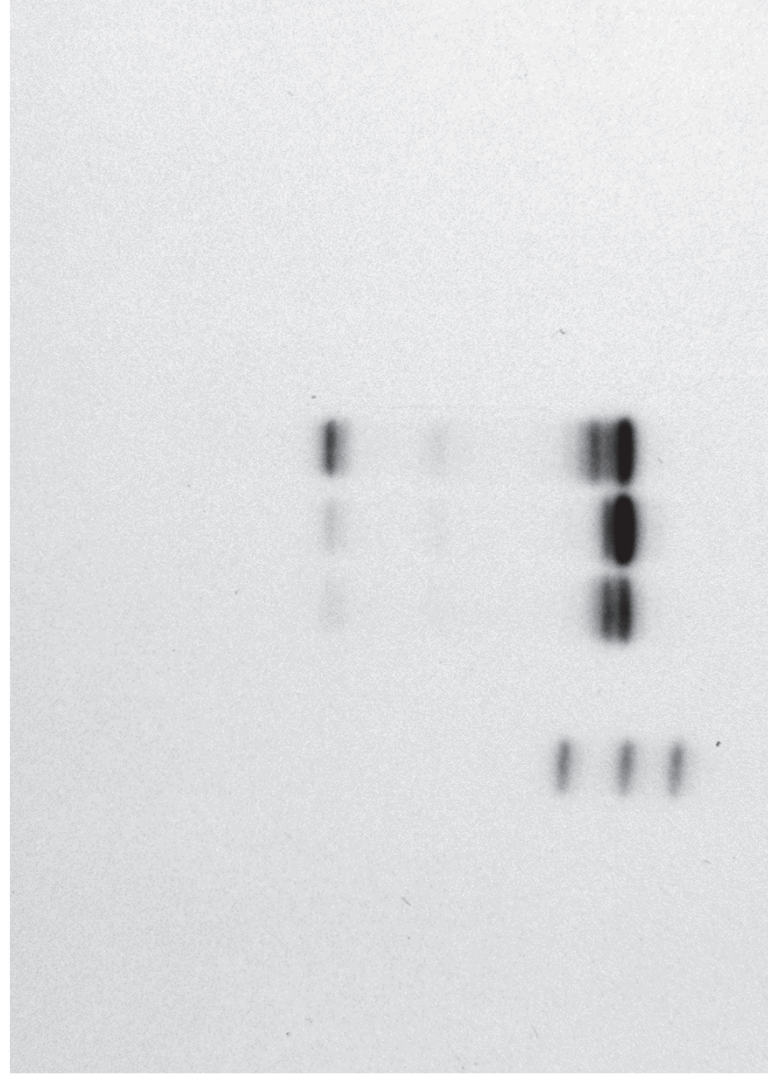


Figure 12S: Northern blot analysis of the indicated miR-203 mutants processed *in vitro*.