Supplementary information, Figure S4

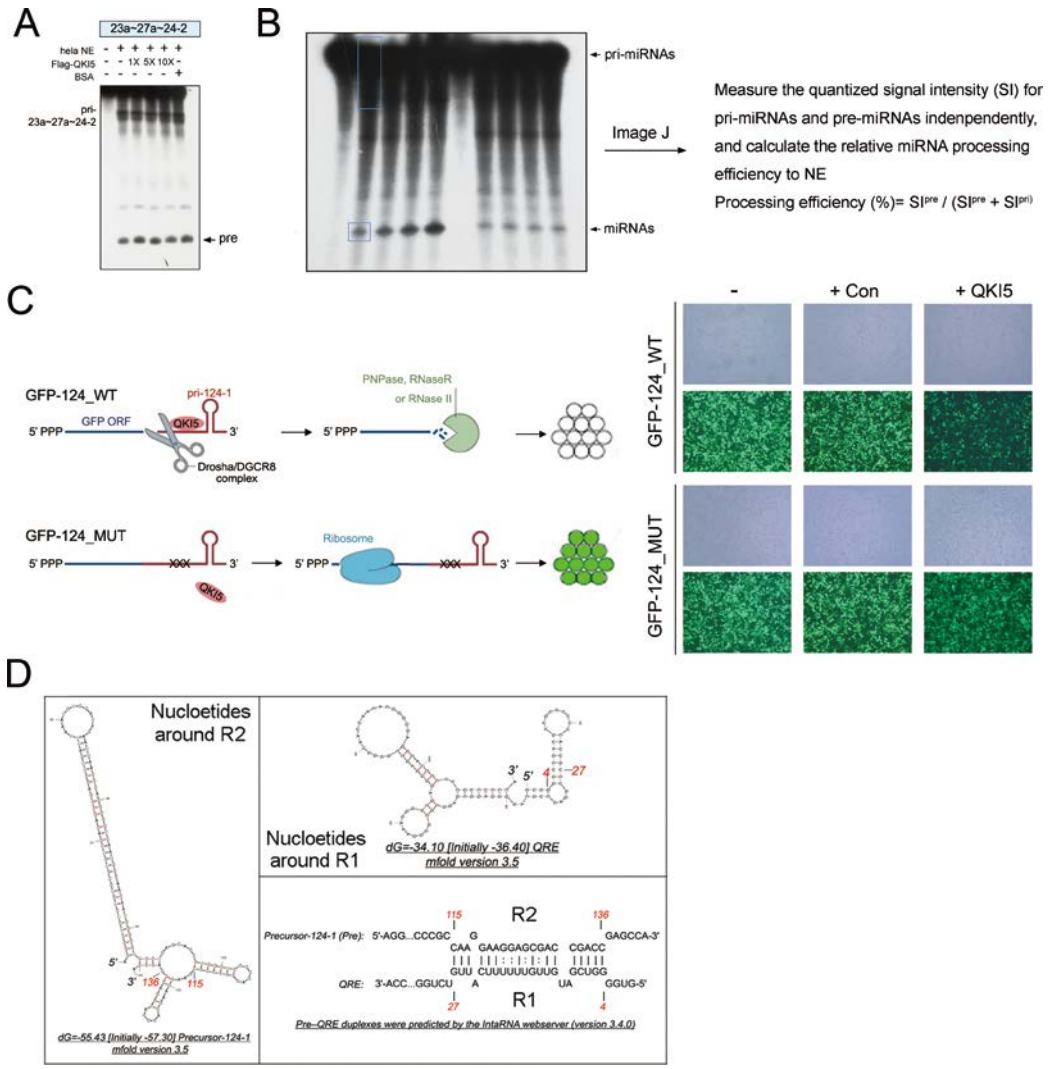

Figure S4 The regulation of QKI5 on pri-124-1 processing is dependent on the QRE. **(A)** The *in vitro* processing reaction using [α-^{32}P] UTP-labeled control pri-23a (23a) as the substrates. Pri-miRNAs are pre-incubated with HeLa NE and various amounts of purified Flag-QKI5 prior to the processing reaction as described in Materials and Methods. **(B)** Image analysis pipeline for miRNA processing efficiency calculation, related to **Figure 5D** and **5I**. **(C)** GFP fluorescence images of *in vivo* processing assay in 293T cells co-transfected with GFP-124_WT/GFP-124_MUT and pCMV6-QKI5 (+QKI5)/empty vector (+Con). The left panel: A schematic representation of *in vivo* processing assay; the right panel: GFP fluorescence images of 293T cells in *in vivo* processing assay. **(D)** Predicted secondary structures of nucleotides around the RNA:RNA interaction regions, and predicted duplexes formed by R1 and R2 regions.