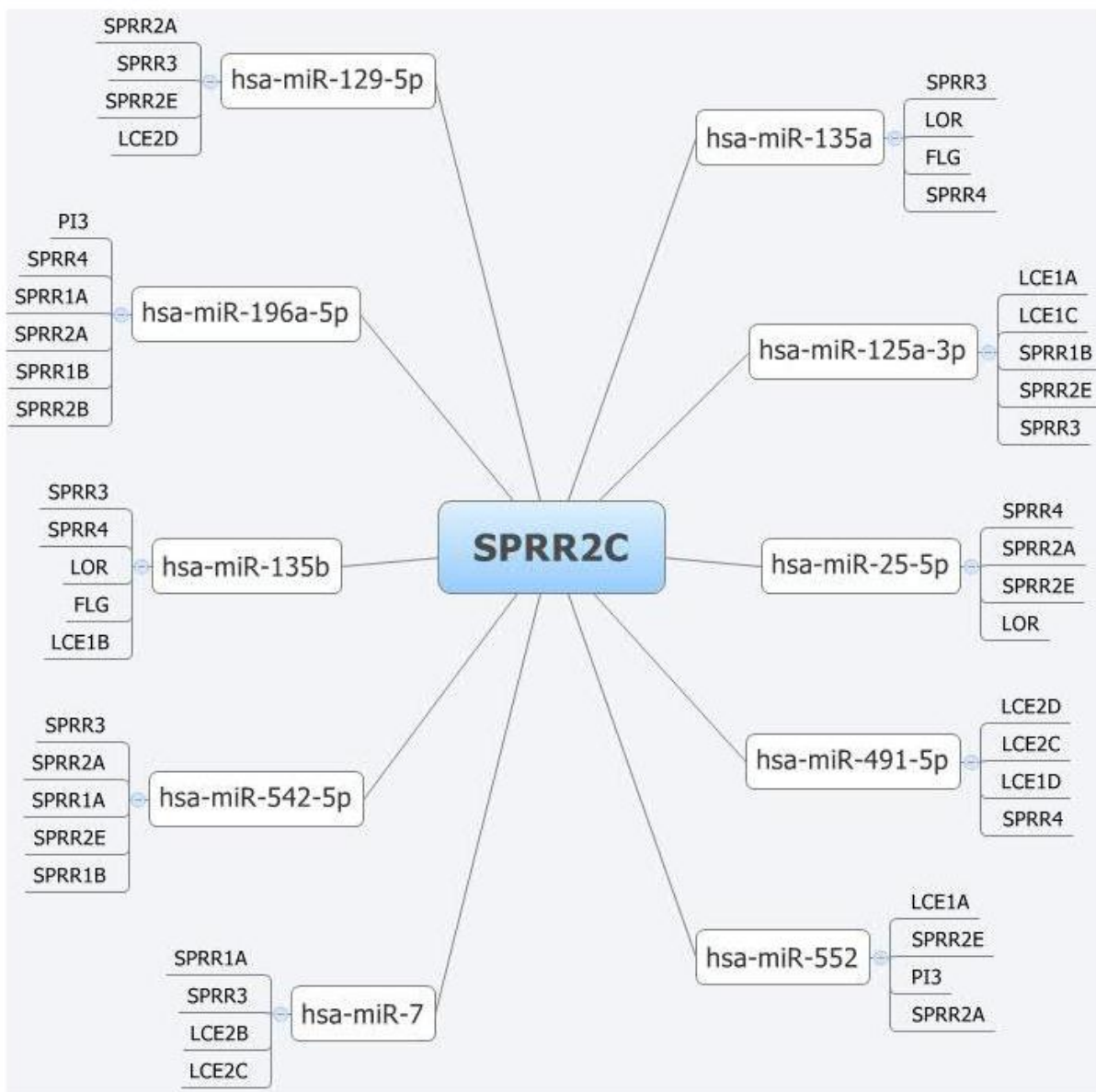
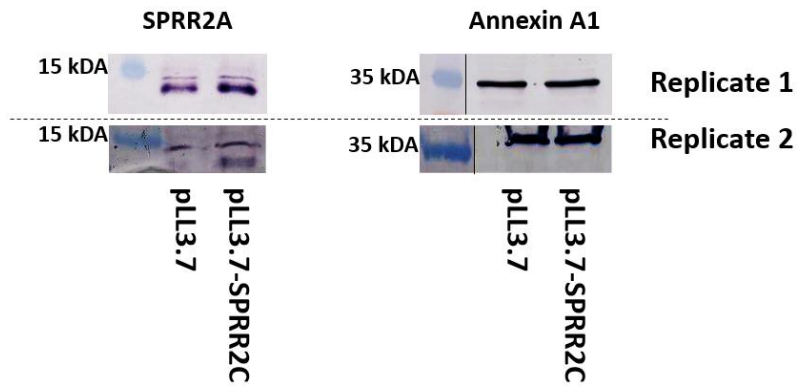


SUPPLEMENTARY FIGURES



Supplementary Figure 1. The miRNAs hsa-mir129-5p, hsa-mir196a-5p, hsa-mir135b, hsa-mir542-5p, hsa-mir7, hsa-mir135a, hsa-mir125a-3p, has-mir25-5p, hsa-mirmir491-5p and has-mir552 bind do SPRR2C as well as to other members of the CE precursor family.



**Supplementary Figure 2.** A Western blot analysis with an SPRR2A antibody confirms an increased expression of this protein (7.965 kDa) in HaCaT cells after transduction with pLL3.7-SPRR2C compared to HaCaT cells transduced with the empty control vector pLL3.7. In Replicate 1 a 1.42-fold increase was observed and in replicate 2 a 33-fold increase was observed. (A third replicate revealed a 1.59-fold increase in SPRR2A levels (data not shown)). A Western blot with an Annexin A1 antibody (MW: 37 kDa) demonstrates that equal amounts were loaded onto the 15% polyacrylamide gel.