**Supplementary Table 8.** **Selected miRNAs candidates from the *in vitro* experiments**

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| **miRNA** | **Methodology** | **Evidence** |
| miR-769 | RNA-seq | Down after APE1 knockdown in JHH6 cells |
| miR-877-5p | RNA-seq | Down after APE1 knockdown in JHH6 cells |
| miR-33a-5p | Nanostring | Down after APE1 knockdown in JHH6 cells |
| miR-4492 | Serum array profiling | High in patients with high sAPE1 |
| miR-939 | Serum array profiling | High in patients with high sAPE1 |
| miR-3141 | Serum array profiling | High in patients with high sAPE1 |
| miR-3180-3p | Serum array profiling | High in patients with high sAPE1 |