## Supplementary Table S1. Sequence of antisense oligos, a Northern probe, Primers, and siRNAs used in this study

| Name                  | Sequence (5' to 3')                                                                 |
|-----------------------|-------------------------------------------------------------------------------------|
| **Antisense oligos**  |                                                                                     |
| anti-Control          | [mC][mC][mG][mC][mU]GAGCTAAAGC[mC][mA][mG][mC][mC]                                |
| anti-GlnCTG           | [mG][mA][mG][mU][mG]CTAACCATTACAC[mC][mA][mU][mG][mG]                              |
| **A Northern probe**  |                                                                                     |
| tRF5-GlnCTG probe     | GAGTGCTAACCATTACACCATGG                                                             |
| **Primers for qRT-PCR** |                                                                                   |
| tRF5-GlnCTG forward   | GGTTCCATGGTGTAATGGTTAG                                                             |
| RNU6 forward          | GATGACACGCAAATTCGTAAGCG                                                            |
| 3' linker reverse     | CGTCGGACTGTAAGACTCCTCAAGGC                                                        |
| 3' RNA linker         | [Phos]GAACACUGCGUUUGCUUGGCUUGAGAGUUCUCAGAGUCCGAGAUC-[23ddC]                        |
| ANG forward           | TCTGAGGCGAGAGGAGCC                                                                |
| ANG reverse           | GTGTACCTGGAGTTATCTCTGAGCC                                                        |
| RNase L forward       | TGAGTGACCTGCTGGGTCATC                                                            |
| RNase L reverse       | TGCAGTGACTGAGATCTCACTTT                                                        |
| Dicer forward         | CATGAGGGCCGCCTTTT                                                               |
| Dicer reverse         | CACCATGCGGCTGGGTAG                                                              |
| Drosha forward        | CCCATGCCCAGACCTACAC                                                             |
| Drosha reverse        | CAAGCGCATCCATTGCTG                                                             |
| ELAC2 forward         | TGAACGCCGAGTTCATTGTC                                                             |
| ELAC2 reverse         | TTGTGGAAGATTCTCCAAGCG                                                          |
| 18S forward           | ACATCCAAGGAAGCCAGG                                                              |
| 18S reverse           | TCGTCATACCTCCCGG                                                               |
| **siRNAs**           |                                                                                     |
| Control               | GCGCGAUAGCGCGAAUAUA[dT][dT]                                                      |
| ANG-1                 | GACAUCAACACAUUUAUUC[dT][dT]                                                     |
| ANG-2                 | CACAUUUUUAUCAAUGGCAAC[dT][dT]                                                   |
| RNase L               | GAAGAUGAUAUUGGCCCGAA[dT][dT]                                                   |
| Dicer                 | Stealth siRNAs (HSS118717, HSS118718, HSS118719) from Invitrogen               |
| Drosha                | Stealth siRNAs (HSS120887, HSS178991, HSS178992) from Invitrogen               |
| ELAC2                 | GUGUCCGAGACUUAACGAA[dT][dT]                                                    |