SEQUENCE LISTING

<110> Meiragtx UK II Limited

<120> REGULATION OF GENE EXPRESSION BY APTAMER-MODULATED RNASE P CLEAVAGE

<130> 162027.48501

<140> 16/487,587
<141> 2018-08-021

<150> PCT/US2018/020795
<151> 2018-03-02

<150> US 62/466,138
<151> 2017-03-02

<160> 19

<170> PatentIn version 3.5

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<212> DNA
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ggacggggtt caagtccctg cggtgtctat aatcgcgtgg atatggcacg caagtttcta 180

ccgggcaccg taaatgtccg actagacacc atctagagtc gacctgcagg catgcaagct 240

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tcaagtccct gcggtgtctt tgcttggatc ggccgcgact ctagagtcga cctgcaggca 240

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cggggttcaa gtccctgcgg tgtctttgct tggatcggcc gcgactctag agtcgacctg 240

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ttcaagtccc tgcggtgtct ttgcttggat cggccgcgac tctagagtcg acctgcaggc 240

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ttcaagtccc tgcggtgtct ttgcttggat cggccgcgac tctagagtcg acctgcaggc 240

atgcaagctt cagaagtaaa gaagacgtaa tgtataatcg cgtggatatg gcacgcaagt 300

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ttccaggacg gggttcaagt ccctgcggtg tctttgcttg gatcggccgc gactctagag 420

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gttcaagtcc ctgcggtgtc tttgcttgga tcggccgcga ctctagagtc gacctgcagg 240

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ggttcaagtc cctgcggtgt ctttgcttgg atcggccgcg actctagagt cgacctgcag 240

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cctatcag 308

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gcctatcag 309

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taccgggcac cgtaaatgtc cgactacaga caatctagag tcgacctgca ggcatgcaag 240

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<212> DNA
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<220>
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<220>
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<210> 17
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<212> RNA
<213> Artificial Sequence

<220>
<223> Mouse mascRNA or mutant mouse mascRNA inserted in the 3' UTR of a luciferase gene

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<210> 18
<211> 58
<212> RNA
<213> Artificial Sequence

<220>
<223> Mutations in the T-loop of the mascRNA (Luci-masc-mlp)

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<212> DNA
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<220>
<223> Locked Nucleic Acid (LNA)-modified oligonucleotides

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