-continued

```
gagtgaaagt agttctattg acattcctca agatatttaa tatcaactgc attatgtatt  16440

atgtctgctt aaatcattta aaaacggcaa agaattatat agactatgag gtaccttgct  16500

gtgtaggagg atgaaagggg agttgatagt ctcataaaac taatttggct tcaagtttca  16560

tgaatctgta actagaattt aattttcacc ccaataatgt tctatatagc ctttgctaaa  16620

gagcaactaa taaattaaac ctattctttc tgtg                              16654


<210> SEQ ID NO 37
<211> LENGTH: 555
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 37

atgagccgca cagcctacac ggtgggagcc ctgcttctcc tcttggggac cctgctgccg     60

gctgctgaag ggaaaaagaa agggtcccaa ggtgccatcc ccccgccaga caaggcccag    120

cacaatgact cagagcagac tcagtcgccc cagcagcctg gctccaggaa ccgggggcgg    180

ggccaagggc ggggcactgc catgcccggg gaggaggtgc tggagtccag ccaagaggcc    240

ctgcatgtga cggagcgcaa atacctgaag cgagactggt gcaaaaccca gccgcttaag    300

cagaccatcc acgaggaagg ctgcaacagt cgcaccatca tcaaccgctt ctgttacggc    360

cagtgcaact ctttctacat ccccaggcac atccggaagg aggaaggttc ctttcagtcc    420

tgctccttct gcaagcccaa gaaattcact accatgatgg tcacactcaa ctgccctgaa    480

ctacagccac ctaccaagaa gaagagagtc acacgtgtga agcagtgtcg ttgcatatcc    540

atcgatttgg attaa                                                     555


<210> SEQ ID NO 38
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Mouse Grem1 forward primer

<400> SEQUENCE: 38

gcgcaagtat ctgaagcgag                                                 20


<210> SEQ ID NO 39
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Mouse Grem1 reverse primer

<400> SEQUENCE: 39

cggttgatga tagtgcggct                                                 20


<210> SEQ ID NO 40
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Human Grem1 forward primer

<400> SEQUENCE: 40

aggcccagca caatgactca g                                               21
```