

Additional File 1: Primers used for real- time PCR analysis

GLI-2

Forward primer: 5-CGACACCAGGAAGGAAGGTA-3

Reverse primer: 5-AGAACGGAGGTAGTGCTCCA-3

IFITM5

Forward primer: 5'CCC GCC TCG AGA CCA CTT GA'3

Reverse primer: 5'GCC GCT TCC AGG TCA CCA AC'3

PRSS56

Forward primer: 5' CCCGAATGAGCTTCTGTGGA'3

Reverse primer: 5' CAGGAGGTGACTCCGAACAG'3

ECEL1

Forward primer: 5' CTCTCAACTACGGGGGCATC'3

Reverse primer: 5' GCATGCTTGTCAGTCAGCAC '3

SMPD

Forward primer: 5' CGA CTC ACT CGC CAG GGT CA'3

Reverse primer: 5' AGC GGC GCT GAT GGA GGT AT'3

CDH15

Forward primer: 5'CTG AAC GTG ACC GTG TGC CG'3

Reverse primer: 5'GGC CAG CAC GAT GAC CAG TG'3

MFAP5

Forward primer: 5' GGGTCAATAGTCAACGAGGAGAC'3

Reverse primer: 5' GCCAAGTCATCTGTGGAAGGTG'3

CXCL12

Forward primer: 5' CTCAACACTCCAAACTGTGCCC'3

Reverse primer: 5'CTCCAGGTACTCCTGAATCCAC'3

RAMP1

Forward primer: 5' CTCACCCAGTTCCAGGTAGACA'3

Reverse primer: 5' CAGGAAGAACCTGTCCACCTCT'3

CPA4

Forward primer: 5' CAATGAAGGGCAAGAACGGAGC'3

Reverse primer: 5' GGTCAGGAAAGTCTGCGGCAAT'3

NTNG1

Forward primer: 5' GCACGCTACTTTTACGCGATCTC'3

Reverse primer: 5' CTGGACCTGTAGTGTTGTGCTC'3

CyclinD1

Forward primer: 5'TGC CTG TAC TGA GCT GGG CAA'3

Reverse primer: 5'TGG CTG CAG AAG AGG GTG TTG'3

SKP2

Forward primer: 5' GCT GCT AAA GGT CTC TGG TGT'3

Reverse primer: 5' AGG CTT AGA TTC TGC AAC TTG'3

n-MYC

Forward primer: 5' CTT CGG TCC AGC TTT CTC AC'3

Reverse primer: 5' GTC CGA GCG TGT TCA ATT TT'3

GAPDH

Forward primer: 5' TGAACGGGAAGCTCACTGGCATGG'3

Reverse primer: 5' TGGGTGTCGCTGTTGAAGTCAGAGGAGA'3