

**Primers used for quantitative real-time PCR**

Primer	Sequence
AMH ex1 dir	5'-GTCTGCAACACCGGTGACAG-3'
AMH ex5 rev	5'-GGTCCGACAGGTTGACTAGG-3'
AMH int1 rev	5'-CCTGATCTTCCCTAGGAGGA-3'
AMH int4 dir	5'-CTCAACTCCTCCAATTGCGG-3'
ASH1L ex20 dir	5'-CAAGTGAGGCAGACAGCAGT-3'
ASH1L ex22 rev	5'-CCTGACGAAGCAGCAAGTCA-3'
ASH1L int20 rev	5'-TGAATATGGTCACCGTGTTC-3'
ASH1L int21 dir	5'-GAATGTAGTAATCCAGCCC-3'
COL17A1 ex26 dir	5'-GTGACAAAAGGACCAATGGGAC-3'
COL17A1 ex28 dir	5'-CGAGCCTGGCATGAGAGGTTTGCCT-3'
COL17A1 ex29 rev	5'-CTCTTGGGCGCTTGGTGCCG-3'
COL17A1 ex30-28 rev	5'-GACCTTGTTCACCCATTGCTCCTT-3'
COL17A1 ex31 rev	5'-CCTGAGGTCCTGGGGTCTGTGAGAC-3'
FNBP4 dir	5'-GAGATGCTGGCTGGCTGATA-3'
FNBP4 rev	5'-GCCTTGGAGGAAGGAGATGG-3'
GAPDH dir	5'-GAAGGTGAAGGTCGGAGTC-3'
GAPDH rev	5'-GAAGATGGTATGGGATTTTC-3'
INVOLUCRIN dir	5'-GAAGCACCAAAAGGGAGAAGTATTGC-3'
INVOLUCRIN rev	5'-CCACTGCACCTCCTGCTTCT-3'
KRT15 ex1 dir	5'-AGCCCAGAATGCGACTACAG-3'
KRT15 ex2 rev	5'-TTGAGCCTGAAGTCGTCCGC-3'
KRT15 ex1-3 dir	5'-CTCCGGGACAAGGTATGAGAATGA-3'
KRT15 ex3 rev	5'-CTCTTCGTGGTCTTCTTCAGGTA-3'
LAMB3 ex15 dir	5'-TGAGGCTGGAGATGTCTTCGTTGC-3'
LAMB3 ex16-1 rev	5'-GCCACAGGCTGTGCCATTGTCTTG-3'
LAMB3 ex14-16 dir	5'-CTGATCCTTCAGCTCTGTGGCAAC-3'
LAMB3 ex16-2 rev	5'-CGCTGGAGCTGGGCATTTGAAGC-3'
LAMB3 ex14 dir	5'-GTTGTCCCTTCCGAGAGACCTGGAG-3'
LAMB3 int14 rev	5'-TGTGGCGAGAAGCATGAGGA-3'
LAMB3 int15 dir	5'-TGGTTGTGCATGGAGATGTCTGGCTG-3'
NOP56 5UTR dir	5'-GAGCGCGCTAGCCGCATTGC-3'
NOP56 ex2 rev	5'-CTGCGGCTGCAGCAGACTGATCTC-3'
NOP56 5UTR-ex3 dir	5'-GGCGCCATGGTGGAGGAGTC-3'
NOP56 ex3 rev	5'-CGGCGTTGGCATTTCCTCAAG-3'
NOP56 ex5 rev	5'-TCACCAGATTGTGGAAGTGC-3'
NOP56 int1 rev	5'-GCCCGCAACCACTCCTCAC-3'
NOP56 int4 dir	5'-TATTCTGTATCCTGGACA-3'
NRD1 ex2 dir	5'-GATGACGATGAAGAGGGTTTTGAT-3'
NRD1 ex4 dir	5'-GTCTGCACCTGTTACAGCATT-3'
NRD1 ex5 rev	5'-TGTGCTCCAAAAGTGTGCC-3'
NRD1 ex2-5 dir	5'-ACTGAAAAACAGTCTGCAGCGGCT-3'
NRD1 ex6 rev	5'-CTACCCCATGCTTCTTCAG-3'
NRD1 ex6 rev	5'-CTTGAAGTACTTCTCTGGACATC-3'
NRD1 int2 rev	5'-TAGAAGAAAAACAGACATGACTCGC-3'
NRD1 int5 dir	5'-GTTGTGTGACTTTGTGTTCTTTCC-3'
PISD ex3 dir	5'-CAACCTCAGCGAGTTCTTCC-3'
PISD ex4 rev	5'-ACCTGCTCCACCTCACAGTT-3'
PISD ex3 dir	5'-TGTACATCTGGACGTTTGGG-3'
PISD ex5-3 rev	5'-CACACGACGCGGCACGCTGTGCAG-3'
PYROXD2 ex7 dir	5'-CAGCTTCCCCGATATTATGA-3'
PYROXD2 ex8 rev	5'-ACTTGTGCATGGCTCCAATCA-3'
PYROXD2 ex6 dir	5'-AAGGATGAGGTCGCTCTCCAC-3'
PYROXD2 ex9-7 rev	5'-AGCAGCACATACCTTGGTAATGGG-3'
RPL13A dir	5'-CTCAAGGTCGTGCGTCTGAA-3'
RPL13A rev	5'-TGGCTGTCACTGCCTGGTACT-3'
RPLP0 dir	5'-CAGATTGGCTACCAACTGTT-3'
RPLP0 rev	5'-GGGAAGGTGTAATCCGCTCTCC-3'
SRSF2 ex1-2 dir	5'-CGCCGGAGCCGACGCCCTAG-3'
SRSF2 ex2 rev	5'-CGAGGACTTGGACTTGGACC-3'
SRSF2 ex1-3UTR dir	5'-AGCCGCAGATGTATCGGCAA-3'
SRSF2 3UTR rev	5'-AACAGCAACAAAATGGCACA-3'
TBP dir	5'-TCAAACCCAGAATTGTTCTCTTAT-3'
TBP rev	5'-CCTGAATCCCTTTAGAATAGGGTAGA-3'
WHSC2 ex4 dir	5'-CTGCTGCGGAAGATGGACACCACC-3'
WHSC2 ex5 rev	5'-CTTCACACCTCGTTCTTCC-3'
WHSC2 ex3 dir	5'-CACTCCCCCGGTGAAGCATT-3'
WHSC2 ex6-4 rev	5'-GATGTCCAGCAGTGGTGGTGTCCA-3'
XIST dir	5'-CCACCACACGTCAGCTCTTC-3'
XIST rev	5'-CAGGTGGGAAGGCTGACTTC-3'

**Primers used for semi-quantitative RT-PCR**

Primer	Sequence
DUSP11 ex5 dir	5'-GATTTGCCAGAACTGTTCCCTTA-3'
DUSP11 ex7 rev	5'-TCTGAAGGTCTTCAATGTAGTTTTGT-3'
alpha 2-3 dir	5'-CAACTTCAAGCTCCTAAGCCACTGC-3'
pFAN 904 rev	5'-ATCAGCATTCTCTGAAGTACATCAAC-3'
DROSHA dir	5'-CATGTCACAGAATGTCGTTCCA-3'
DROSHA rev	5'-GGTGAAGCAGCCTCAGATTT-3'
DSCR1 dir	5'-GCACCAGCTCAAGAAGGAACC-3'
DSCR1 rev	5'-GGGACTCAAATTTGGCCCTGG-3'
pY7 ex2 dir	5'-TACAAGCTTGTGCGAGGAGACATC-3'
KRT15 ex3 rev	5'-GTCAGCTCATCCAGGACTCG-3'
PISD ex3 dir	5'-CAACCTCAGCGAGTTCTTCC-3'
pCl rev	5'-GTATCTTATCATGTCTGCTCG-3'
RBM5 ex15 dir	5'-CGGCTGTAGTGTCCAGAGT-3'
RBM5 ex17 rev	5'-TTGCGAGTTGGGGTCATAAT-3'
CF ex1 248 dir	5'-AGACCATGCAGAGGTCGCTCTGG-3'
CF ex3 292 rev	5'-CATCGCCGAAGGGCATTAATGAGTTAGG-3'

**TaqMan miRNA probes used for quantitative miRNA analysis**

TaqMan probes	Assay ID	Mature miRNA sequence
miR-21	002438	CAACACCAGUCG AUGGGCUGU
miR-26b	000407	UUCAAGUAAUUCAGGAUAGGU
miR-98	000577	UGAGGUAGUAAUGUUAUUGUU
miR-148a	000470	UCAGUGCAGUACAGAACUUUGU
miR-155	002287	CUCCUACAUUUAGCAUUUACA
miR-330	002230	UCUCUGGGCCUGUGUCUUAGGC
miR-483	002339	UCACUCCUCUCCUCCGUCUU
miR-936	002179	ACAGUAGAGGGAGGAUUCGCAG
miR-3655	462030_mat	GCUUGUCGUCGCGGUGUUGUCU
miR-4260	244117_mat	CUUGGGGCAUGGAGUCCCA
miR-5088	466458_mat	UCCCUUUCUCCUGGGCCUCA
miR-6510	477465_mat	CAGCAGGGGAGAGAGAGAGGUC
miR-7109	466424_mat	CUUGGGGAGGAGACCCUUCU
RNU6B	001093	CGCAAGGATGACACGAAATCGTGAAGCGTTCCATATTTT

**Supplemental Table S1. Sequences of primers used for quantitative RT-PCR and semi-quantitative RT-PCR. List of TaqMan probes used for quantitative miRNAs analysis.**