

Table SI. RT-PCR using specific primers.

Primer	Sequence (5' to 3')
GAPDH	F: CAGGAGGCATTGCTGATGAT R: GAAGGCTGGGGCTCATTT
HS-RPS18	F: ATCCTCAGTGAGTTCTCCCG R: CTTTGCCATCACTGCCATTA
LINC00525	F: TGCCCCAGTTTCATGGATGC R: GTGCGGGAGTCATAGGGTCT
MED4-AS1	F: ACTGTGGAGCAAGGACATCTGGAG R: GGAGGCTGAGGCAGGAGGATTG
STEAP2-AS1	F: CACGTCATGCCGACACTCAA R: TGTCAGCCATTTCTGCAGGC
SYNPR-AS1	F: AACGCAGCTAACCAGAGACAACC R: GCTCAGGTAAGCCACATGGAACC
U1	F: CCATGATCACGAAGGTGGTTT R: ATGCAGTCGAGTTTCCCACAT
U6	F: CTCGCTTCGGCAGCACA R: AACGCTTCACGAATTTGCGT

F, forward; R, reverse.

Table SII. Pairs (570) of associations for 144 lncRNAs and 22 miRNAs.

lncRNA	miRNA
IGF2-AS	hsa-mir-503
IGF2-AS	hsa-mir-122
H19	hsa-mir-301b
H19	hsa-mir-200a
H19	hsa-mir-216b
LINC00470	hsa-mir-503
LINC00470	hsa-mir-200a
LINC00470	hsa-mir-143
LINC00470	hsa-mir-144
LINC00470	hsa-mir-195
LINC00470	hsa-mir-216b
LINC00470	hsa-mir-122
LINC00525	hsa-mir-301b
LINC00525	hsa-mir-96
LINC00525	hsa-mir-200a
LINC00525	hsa-mir-182
LINC00525	hsa-mir-31
AGAP11	hsa-mir-372
AGAP11	hsa-mir-373
AGAP11	hsa-mir-200a
AGAP11	hsa-mir-143
AGAP11	hsa-mir-195
AGAP11	hsa-mir-182
AGAP11	hsa-mir-205
AGAP11	hsa-mir-216b
C2orf48	hsa-mir-372
C2orf48	hsa-mir-373
C2orf48	hsa-mir-143
C2orf48	hsa-mir-195
C2orf48	hsa-mir-183
C2orf48	hsa-mir-122
LINC00483	hsa-mir-372
LINC00483	hsa-mir-373
LINC00483	hsa-mir-96
LINC00483	hsa-mir-144
LINC00483	hsa-mir-182
LINC00483	hsa-mir-183
LINC00483	hsa-mir-192
LINC00483	hsa-mir-215
LINC00483	hsa-mir-216b
LINC00483	hsa-mir-122
LINC00483	hsa-mir-31
C11orf44	hsa-mir-200a
C11orf44	hsa-mir-183
C11orf44	hsa-mir-192
C11orf44	hsa-mir-215
C11orf44	hsa-mir-489
AC087269.1	hsa-mir-195
AC087269.1	hsa-mir-31
C20orf197	hsa-mir-372
C20orf197	hsa-mir-373
C20orf197	hsa-mir-137
C20orf197	hsa-mir-143
C20orf197	hsa-mir-144
C20orf197	hsa-mir-122
AP002478.1	hsa-mir-503
AP002478.1	hsa-mir-372
AP002478.1	hsa-mir-373

Table SII. Continued.

lncRNA	miRNA
AP002478.1	hsa-mir-144
AP002478.1	hsa-mir-195
AP002478.1	hsa-mir-182
AP002478.1	hsa-mir-184
AP002478.1	hsa-mir-192
AP002478.1	hsa-mir-215
AP002478.1	hsa-mir-205
AP002478.1	hsa-mir-122
AP002478.1	hsa-mir-489
AC105206.1	hsa-mir-301b
AC105206.1	hsa-mir-372
AC105206.1	hsa-mir-373
AC105206.1	hsa-mir-182
AC105206.1	hsa-mir-216b
AC105206.1	hsa-mir-122
AC105206.1	hsa-mir-31
AC105206.1	hsa-mir-489
C5orf64	hsa-mir-200a
C5orf64	hsa-mir-143
C5orf64	hsa-mir-195
C5orf64	hsa-mir-182
C5orf64	hsa-mir-184
C5orf64	hsa-mir-205
C5orf64	hsa-mir-216b
C5orf64	hsa-mir-122
C5orf64	hsa-mir-31
AC020907.1	hsa-mir-195
AC020907.1	hsa-mir-216b
C10orf91	hsa-mir-372
C10orf91	hsa-mir-373
C10orf91	hsa-mir-143
C10orf91	hsa-mir-122
AC022148.1	hsa-mir-372
AC022148.1	hsa-mir-373
AC022148.1	hsa-mir-144
AC022148.1	hsa-mir-195
AC022148.1	hsa-mir-205
AC022148.1	hsa-mir-31
FER1L6-AS1	hsa-mir-137
FER1L6-AS1	hsa-mir-195
FER1L6-AS1	hsa-mir-192
FER1L6-AS1	hsa-mir-215
FER1L6-AS1	hsa-mir-205
FER1L6-AS1	hsa-mir-216b
FER1L6-AS1	hsa-mir-31
HECW1-IT1	hsa-mir-503
HECW1-IT1	hsa-mir-143
HECW1-IT1	hsa-mir-195
HECW1-IT1	hsa-mir-31
AC092535.1	hsa-mir-503
AC092535.1	hsa-mir-184
AC131971.1	hsa-mir-200a
LINC00518	hsa-mir-200a
LINC00518	hsa-mir-143
LINC00518	hsa-mir-216b
LINC00308	hsa-mir-137
LINC00308	hsa-mir-200a
LINC00308	hsa-mir-205
LINC00221	hsa-mir-301b

Table SII. Continued.

lncRNA	miRNA
LINC00221	hsa-mir-372
LINC00221	hsa-mir-373
LINC00221	hsa-mir-96
LINC00221	hsa-mir-143
LINC00221	hsa-mir-182
LINC00221	hsa-mir-31
LINC00319	hsa-mir-200a
LINC00319	hsa-mir-143
LINC00319	hsa-mir-195
LINC00319	hsa-mir-184
LINC00319	hsa-mir-122
MUC2	hsa-mir-503
MUC2	hsa-mir-372
MUC2	hsa-mir-373
MUC2	hsa-mir-143
MUC2	hsa-mir-195
MUC2	hsa-mir-182
MUC2	hsa-mir-183
MUC2	hsa-mir-184
MUC2	hsa-mir-192
MUC2	hsa-mir-215
MUC2	hsa-mir-210
MUC2	hsa-mir-122
RMRP	hsa-mir-122
AC061975.6	hsa-mir-372
AC061975.6	hsa-mir-373
AC004832.1	hsa-mir-31
LINC00501	hsa-mir-301b
LINC00501	hsa-mir-183
TDRG1	hsa-mir-503
TDRG1	hsa-mir-192
TDRG1	hsa-mir-215
TDRG1	hsa-mir-122
C10orf126	hsa-mir-200a
C10orf126	hsa-mir-192
C10orf126	hsa-mir-215
C10orf126	hsa-mir-31
AP000525.1	hsa-mir-503
AP000525.1	hsa-mir-31
AC084262.1	hsa-mir-96
AC084262.1	hsa-mir-182
AL391152.1	hsa-mir-143
C1orf220	hsa-mir-503
C1orf220	hsa-mir-301b
C1orf220	hsa-mir-372
C1orf220	hsa-mir-373
C1orf220	hsa-mir-96
C1orf220	hsa-mir-143
C1orf220	hsa-mir-195
C1orf220	hsa-mir-182
C1orf220	hsa-mir-122
UCA1	hsa-mir-96
UCA1	hsa-mir-143
UCA1	hsa-mir-182
UCA1	hsa-mir-184
UCA1	hsa-mir-122
ST7-OT4	hsa-mir-96
ST7-OT4	hsa-mir-137
ST7-OT4	hsa-mir-200a

Table SII. Continued.

lncRNA	miRNA
ST7-OT4	hsa-mir-195
ST7-OT4	hsa-mir-182
ST7-OT4	hsa-mir-205
ST7-OT4	hsa-mir-122
ST7-OT4	hsa-mir-31
LINC00488	hsa-mir-96
LINC00488	hsa-mir-144
LINC00488	hsa-mir-192
LINC00488	hsa-mir-215
LINC00488	hsa-mir-205
LINC00488	hsa-mir-216b
LINC00488	hsa-mir-122
MEG3	hsa-mir-301b
MEG3	hsa-mir-372
MEG3	hsa-mir-373
MEG3	hsa-mir-96
MEG3	hsa-mir-200a
MEG3	hsa-mir-143
MEG3	hsa-mir-144
MEG3	hsa-mir-195
MEG3	hsa-mir-182
MEG3	hsa-mir-184
MEG3	hsa-mir-192
MEG3	hsa-mir-215
MEG3	hsa-mir-205
MEG3	hsa-mir-216b
MEG3	hsa-mir-122
MEG3	hsa-mir-31
AC026320.1	hsa-mir-122
AC016773.1	hsa-mir-195
AC016773.1	hsa-mir-210
AC016773.1	hsa-mir-122
AC016773.1	hsa-mir-31
AL117190.1	hsa-mir-195
AL513123.1	hsa-mir-200a
AL513123.1	hsa-mir-183
CLDN10-AS1	hsa-mir-137
CLDN10-AS1	hsa-mir-143
LINC00473	hsa-mir-195
LINC00473	hsa-mir-210
SAMSN1-AS1	hsa-mir-187
POU6F2-AS1	hsa-mir-144
POU6F2-AS1	hsa-mir-192
POU6F2-AS1	hsa-mir-215
LINC00466	hsa-mir-96
LINC00466	hsa-mir-137
LINC00466	hsa-mir-200a
LINC00466	hsa-mir-144
LINC00466	hsa-mir-183
LINC00466	hsa-mir-192
LINC00466	hsa-mir-215
LINC00466	hsa-mir-205
LINC00466	hsa-mir-216b
LPP-AS1	hsa-mir-143
E2F3-IT1	hsa-mir-301b
E2F3-IT1	hsa-mir-143
E2F3-IT1	hsa-mir-122
E2F3-IT1	hsa-mir-489
LINC00393	hsa-mir-372

Table SII. Continued.

lncRNA	miRNA
LINC00393	hsa-mir-373
LINC00393	hsa-mir-192
LINC00393	hsa-mir-215
LINC00184	hsa-mir-372
LINC00184	hsa-mir-373
LINC00184	hsa-mir-205
LINC00184	hsa-mir-216b
LINC00184	hsa-mir-31
LINC00337	hsa-mir-372
LINC00337	hsa-mir-373
LINC00337	hsa-mir-182
LINC00337	hsa-mir-216b
TTYT16	hsa-mir-183
MTOR-AS1	hsa-mir-137
MTOR-AS1	hsa-mir-205
MTOR-AS1	hsa-mir-122
GRM7-AS3	hsa-mir-96
GRM7-AS3	hsa-mir-137
GRM7-AS3	hsa-mir-182
GRM7-AS3	hsa-mir-205
GRM7-AS3	hsa-mir-31
GRM7-AS3	hsa-mir-489
ARHGAP26-AS1	hsa-mir-187
ARHGAP26-AS1	hsa-mir-122
NAALADL2-AS2	hsa-mir-183
SOX21-AS1	hsa-mir-503
SOX21-AS1	hsa-mir-301b
SOX21-AS1	hsa-mir-489
STEAP2-AS1	hsa-mir-137
STEAP2-AS1	hsa-mir-143
STEAP2-AS1	hsa-mir-195
LINC00355	hsa-mir-503
LINC00355	hsa-mir-200a
LINC00355	hsa-mir-195
LINC00355	hsa-mir-122
LINC00392	hsa-mir-183
HOTAIR	hsa-mir-301b
HOTAIR	hsa-mir-143
HOTAIR	hsa-mir-216b
SRGAP3-AS2	hsa-mir-192
SRGAP3-AS2	hsa-mir-215
SRGAP3-AS2	hsa-mir-489
MED4-AS1	hsa-mir-143
MED4-AS1	hsa-mir-144
LINC00200	hsa-mir-503
LINC00200	hsa-mir-143
LINC00200	hsa-mir-195
LINC00200	hsa-mir-183
LINC00200	hsa-mir-216b
LINC00200	hsa-mir-31
LINC00200	hsa-mir-489
KIF25-AS1	hsa-mir-195
KIF25-AS1	hsa-mir-192
KIF25-AS1	hsa-mir-215
ERVMER61-1	hsa-mir-96
ERVMER61-1	hsa-mir-182
ERVMER61-1	hsa-mir-205
LINC00160	hsa-mir-195
MIR137HG	hsa-mir-144

Table SII. Continued.

lncRNA	miRNA
MIR137HG	hsa-mir-182
MIR137HG	hsa-mir-192
MIR137HG	hsa-mir-215
MIR137HG	hsa-mir-31
TBL1XR1-AS1	hsa-mir-96
TBL1XR1-AS1	hsa-mir-182
TBL1XR1-AS1	hsa-mir-205
WASIR2	hsa-mir-503
ABCA9-AS1	hsa-mir-195
CHODL-AS1	hsa-mir-137
CHODL-AS1	hsa-mir-192
CHODL-AS1	hsa-mir-215
CHODL-AS1	hsa-mir-216b
CHODL-AS1	hsa-mir-489
DLX6-AS1	hsa-mir-503
DLX6-AS1	hsa-mir-372
DLX6-AS1	hsa-mir-373
DLX6-AS1	hsa-mir-200a
DLX6-AS1	hsa-mir-144
DLX6-AS1	hsa-mir-195
DLX6-AS1	hsa-mir-192
DLX6-AS1	hsa-mir-215
DLX6-AS1	hsa-mir-216b
DLX6-AS1	hsa-mir-122
DLX6-AS1	hsa-mir-31
LINC00342	hsa-mir-200a
LINC00342	hsa-mir-144
LINC00342	hsa-mir-195
LINC00342	hsa-mir-182
LINC00342	hsa-mir-183
LINC00342	hsa-mir-192
LINC00342	hsa-mir-215
LINC00342	hsa-mir-205
LINC00342	hsa-mir-31
ERVH48-1	hsa-mir-301b
ERVH48-1	hsa-mir-96
ERVH48-1	hsa-mir-137
ERVH48-1	hsa-mir-200a
ERVH48-1	hsa-mir-144
ERVH48-1	hsa-mir-182
ERVH48-1	hsa-mir-184
ERVH48-1	hsa-mir-187
LINC00472	hsa-mir-503
LINC00472	hsa-mir-372
LINC00472	hsa-mir-373
LINC00472	hsa-mir-200a
LINC00472	hsa-mir-143
LINC00472	hsa-mir-195
LINC00472	hsa-mir-184
LINC00472	hsa-mir-216b
LINC00472	hsa-mir-489
DSCR10	hsa-mir-503
DSCR10	hsa-mir-195
LINC00460	hsa-mir-503
LINC00460	hsa-mir-143
LINC00460	hsa-mir-489
POU6F2-AS2	hsa-mir-137
POU6F2-AS2	hsa-mir-187
LINC00440	hsa-mir-205

Table SII. Continued.

lncRNA	miRNA
LINC00440	hsa-mir-489
CHL1-AS1	hsa-mir-137
CHL1-AS1	hsa-mir-187
LINC00163	hsa-mir-143
LINC00163	hsa-mir-183
LINC00163	hsa-mir-210
LINC00163	hsa-mir-122
FNDC1-IT1	hsa-mir-144
FNDC1-IT1	hsa-mir-216b
LINC00330	hsa-mir-503
LINC00330	hsa-mir-301b
LINC00330	hsa-mir-372
LINC00330	hsa-mir-373
LINC00330	hsa-mir-195
LINC00330	hsa-mir-192
LINC00330	hsa-mir-215
LINC00330	hsa-mir-205
LINC00330	hsa-mir-122
DSCAM-AS1	hsa-mir-137
DSCAM-AS1	hsa-mir-200a
DSCAM-AS1	hsa-mir-143
DSCAM-AS1	hsa-mir-122
DPYD-AS2	hsa-mir-144
EGOT	hsa-mir-200a
EGOT	hsa-mir-143
EGOT	hsa-mir-195
EGOT	hsa-mir-183
EGOT	hsa-mir-205
MYO16-AS1	hsa-mir-489
GPC6-AS1	hsa-mir-503
GPC6-AS1	hsa-mir-137
GPC6-AS1	hsa-mir-195
GPC6-AS1	hsa-mir-205
AC006372.1	hsa-mir-96
AC006372.1	hsa-mir-144
AC006372.1	hsa-mir-183
AC006372.1	hsa-mir-122
LINC00211	hsa-mir-301b
LINC00211	hsa-mir-183
LINC00211	hsa-mir-184
LINC00211	hsa-mir-216b
AC009121.1	hsa-mir-200a
AL136307.1	hsa-mir-301b
AL136307.1	hsa-mir-192
AL136307.1	hsa-mir-215
AC112721.1	hsa-mir-503
AC112721.1	hsa-mir-195
ZBTB20-AS3	hsa-mir-122
SLC9A9-AS1	hsa-mir-205
ARHGEF3-AS1	hsa-mir-137
AC080129.1	hsa-mir-122
AC114489.1	hsa-mir-200a
AL356133.2	hsa-mir-372
AL356133.2	hsa-mir-373
AP003064.2	hsa-mir-192
AP003064.2	hsa-mir-215
AL109754.1	hsa-mir-122
AL365356.1	hsa-mir-122
AL021395.1	hsa-mir-192

Table SII. Continued.

lncRNA	miRNA
AL021395.1	hsa-mir-215
AL021395.1	hsa-mir-122
AL160271.1	hsa-mir-301b
AL160271.1	hsa-mir-192
AL160271.1	hsa-mir-215
LSAMP-AS1	hsa-mir-183
AP000438.1	hsa-mir-301b
ADAMTS9-AS1	hsa-mir-301b
ADAMTS9-AS1	hsa-mir-96
ADAMTS9-AS1	hsa-mir-144
ADAMTS9-AS1	hsa-mir-182
ADAMTS9-AS1	hsa-mir-31
SYNPR-AS1	hsa-mir-96
SYNPR-AS1	hsa-mir-182
HNF1A-AS1	hsa-mir-372
HNF1A-AS1	hsa-mir-373
HNF1A-AS1	hsa-mir-200a
HNF1A-AS1	hsa-mir-195
HNF1A-AS1	hsa-mir-183
HNF1A-AS1	hsa-mir-216b
ZBTB20-AS1	hsa-mir-122
ZBTB20-AS1	hsa-mir-301b
ZBTB20-AS1	hsa-mir-205
ZBTB20-AS1	hsa-mir-31
AC012640.1	hsa-mir-137
AC012640.1	hsa-mir-182
AC012640.1	hsa-mir-205
AC012640.1	hsa-mir-210
AC012640.1	hsa-mir-216b
FOXP1-IT1	hsa-mir-503
FOXP1-IT1	hsa-mir-372
FOXP1-IT1	hsa-mir-373
FOXP1-IT1	hsa-mir-96
FOXP1-IT1	hsa-mir-143
FOXP1-IT1	hsa-mir-144
FOXP1-IT1	hsa-mir-195
FOXP1-IT1	hsa-mir-182
FOXP1-IT1	hsa-mir-184
AL353803.1	hsa-mir-205
AL353803.1	hsa-mir-301b
AC007731.1	hsa-mir-122
AC007731.1	hsa-mir-183
AC007731.1	hsa-mir-192
AC007731.1	hsa-mir-215
AL139002.1	hsa-mir-301b
AL139002.1	hsa-mir-143
AL139002.1	hsa-mir-192
AL139002.1	hsa-mir-215
AL139002.1	hsa-mir-210
AC010145.1	hsa-mir-192
AC010145.1	hsa-mir-215
AC010145.1	hsa-mir-216b
AC010145.1	hsa-mir-122
AC025431.1	hsa-mir-137
HOTTIP	hsa-mir-301b
HOTTIP	hsa-mir-372
HOTTIP	hsa-mir-373
HOTTIP	hsa-mir-137
HOTTIP	hsa-mir-200a

Table SII. Continued.

lncRNA	miRNA
HOTTIP	hsa-mir-143
HOTTIP	hsa-mir-195
HOTTIP	hsa-mir-184
HOTTIP	hsa-mir-187
HOTTIP	hsa-mir-192
HOTTIP	hsa-mir-215
HOTTIP	hsa-mir-205
HOTTIP	hsa-mir-31
U52111.1	hsa-mir-192
U52111.1	hsa-mir-215
U52111.1	hsa-mir-122
AC110921.1	hsa-mir-301b
AC110921.1	hsa-mir-122
AP000553.1	hsa-mir-192
AP000553.1	hsa-mir-215
AP000553.1	hsa-mir-122
LINC00461	hsa-mir-503
LINC00461	hsa-mir-372
LINC00461	hsa-mir-373
LINC00461	hsa-mir-96
LINC00461	hsa-mir-137
LINC00461	hsa-mir-200a
LINC00461	hsa-mir-143
LINC00461	hsa-mir-144
LINC00461	hsa-mir-195
LINC00461	hsa-mir-192
LINC00461	hsa-mir-215
LINC00461	hsa-mir-210
LINC00461	hsa-mir-216b
LINC00461	hsa-mir-122
LINC00461	hsa-mir-31
LINC00461	hsa-mir-489
ATG10-AS1	hsa-mir-216b
LNx1-AS2	hsa-mir-216b
IL20RB-AS1	hsa-mir-195
IL20RB-AS1	hsa-mir-205
VCAN-AS1	hsa-mir-372
VCAN-AS1	hsa-mir-373
VCAN-AS1	hsa-mir-200a
PVT1	hsa-mir-503
PVT1	hsa-mir-372
PVT1	hsa-mir-373
PVT1	hsa-mir-143
PVT1	hsa-mir-195
PVT1	hsa-mir-183
PVT1	hsa-mir-187
PVT1	hsa-mir-205
PVT1	hsa-mir-216b
PVT1	hsa-mir-31
LINC00536	hsa-mir-96
LINC00536	hsa-mir-137
LINC00536	hsa-mir-195
LINC00536	hsa-mir-182
LINC00536	hsa-mir-205
LINC00491	hsa-mir-184
LINC00491	hsa-mir-216b
LINC00491	hsa-mir-122
LINC00051	hsa-mir-183
LINC00051	hsa-mir-205

Table SII. Continued.

lncRNA	miRNA
ANO1-AS2	hsa-mir-372
ANO1-AS2	hsa-mir-373
NAV2-AS2	hsa-mir-96
NAV2-AS2	hsa-mir-182
NAV2-AS2	hsa-mir-122
NAV2-AS2	hsa-mir-31
GRM5-AS1	hsa-mir-372
GRM5-AS1	hsa-mir-373
GRM5-AS1	hsa-mir-96
GRM5-AS1	hsa-mir-144
GRM5-AS1	hsa-mir-182
GRM5-AS1	hsa-mir-205
GRM5-AS1	hsa-mir-210
GRM5-AS1	hsa-mir-216b
GRM5-AS1	hsa-mir-31
GRM5-AS1	hsa-mir-489
RMST	hsa-mir-301b
RMST	hsa-mir-96
RMST	hsa-mir-137
RMST	hsa-mir-144
RMST	hsa-mir-195
RMST	hsa-mir-182
RMST	hsa-mir-205
RMST	hsa-mir-31
RMST	hsa-mir-489
AL139385.1	hsa-mir-183
CACNA1C-IT3	hsa-mir-144
AL354707.1	hsa-mir-216b
NOVA1-AS1	hsa-mir-216b
NOVA1-AS1	hsa-mir-31
NOVA1-AS1	hsa-mir-489
LINC00485	hsa-mir-372
LINC00485	hsa-mir-373
LINC00485	hsa-mir-200a
LINC00485	hsa-mir-195
LINC00485	hsa-mir-205
LINC00485	hsa-mir-31
LINC00519	hsa-mir-143
LINC00524	hsa-mir-143
LINC00524	hsa-mir-205

lncRNA, long non-coding RNA; miRNA, micro RNA.

Table SIII. miRNA-mRNA association pairs (44) for 12 miRNAs and 36 mRNAs.

miRNA	mRNA
hsa-mir-372	MIXL1
hsa-mir-183	CCNB1
hsa-mir-210	SERTM1
hsa-mir-195	CCNE1
hsa-mir-195	CHEK1
hsa-mir-372	ELAVL2
hsa-mir-200a	CCNE2
hsa-mir-195	E2F7
hsa-mir-372	SLC7A11
hsa-mir-373	TMEM100
hsa-mir-144	HOXA10
hsa-mir-216b	MCM4
hsa-mir-200a	ELAVL2
hsa-mir-31	SELE
hsa-mir-143	COL5A2
hsa-mir-372	TMEM100
hsa-mir-195	TMEM100
hsa-mir-373	MIXL1
hsa-mir-195	CDC25A
hsa-mir-144	KCNQ5
hsa-mir-195	OSCAR
hsa-mir-195	CLSPN
hsa-mir-96	SLC1A1
hsa-mir-195	TGFBR3
hsa-mir-96	PROK2
hsa-mir-195	SALL1
hsa-mir-195	RS1
hsa-mir-144	TBX18
hsa-mir-195	PSAT1
hsa-mir-373	PFKP
hsa-mir-200a	DLC1
hsa-mir-195	KIF23
hsa-mir-372	PFKP
hsa-mir-182	NPTX1
hsa-mir-31	HOXC13
hsa-mir-143	COL1A1
hsa-mir-373	PBK
hsa-mir-373	SLC7A11
hsa-mir-195	CBX2
hsa-mir-373	ELAVL2
hsa-mir-182	BDNF
hsa-mir-195	CEP55
hsa-mir-195	RET
hsa-mir-195	HOXA10
miRNA, microRNA.	

Table SIV. Network degree.

Name	Type	Degree
COL1A1	mRNA	1
COL5A2	mRNA	1
TBX18	mRNA	1
KCNQ5	mRNA	1
BDNF	mRNA	1
NPTX1	mRNA	1
CCNB1	mRNA	1
HOXA10	mRNA	2
RET	mRNA	1
CEP55	mRNA	1
CBX2	mRNA	1
KIF23	mRNA	1
PSAT1	mRNA	1
RS1	mRNA	1
SALL1	mRNA	1
TGFBR3	mRNA	1
CLSPN	mRNA	1
OSCAR	mRNA	1
CDC25A	mRNA	1
E2F7	mRNA	1
CHEK1	mRNA	1
CCNE1	mRNA	1
DLC1	mRNA	1
CCNE2	mRNA	1
SERTM1	mRNA	1
MCM4	mRNA	1
HOXC13	mRNA	1
SELE	mRNA	1
ELAVL2	mRNA	3
SLC7A11	mRNA	2
PBK	mRNA	1
PFKP	mRNA	2
MIXL1	mRNA	1
TMEM100	mRNA	3
PROK2	mRNA	1
SLC1A1	mRNA	1
LINC00524	lnc	1
LINC00519	lnc	1
LINC00460	lnc	1
E2F3-IT1	lnc	1
LPP-AS1	lnc	1
CLDN10-AS1	lnc	1
AL391152.1	lnc	1
hsa-mir-143	miRNA	36
CACNA1C-IT3	lnc	1
DPYD-AS2	lnc	1
MED4-AS1	lnc	2
POU6F2-AS1	lnc	1
hsa-mir-144	miRNA	26
hsa-mir-182	miRNA	30
AL139385.1	lnc	1
LINC00051	lnc	1
AC007731.1	lnc	1
LSAMP-AS1	lnc	1
LINC00392	lnc	1
NAALADL2-AS2	lnc	1
TTY16	lnc	1
LINC00501	lnc	1
hsa-mir-183	miRNA	23

Table SIV. Continued.

Name	Type	Degree
IL20RB-AS1	lnc	1
AC112721.1	lnc	1
GPC6-AS1	lnc	1
DSCR10	lnc	1
ABCA9-AS1	lnc	1
LINC00160	lnc	1
KIF25-AS1	lnc	1
STEAP2-AS1	lnc	2
AL117190.1	lnc	1
hsa-mir-195	miRNA	57
AC114489.1	lnc	1
AC009121.1	lnc	1
EGOT	lnc	4
DSCAM-AS1	lnc	2
LINC00355	lnc	2
AL513123.1	lnc	2
LINC00319	lnc	3
LINC00308	lnc	1
AC131971.1	lnc	1
C11orf44	lnc	2
hsa-mir-200a	miRNA	32
AL139002.1	lnc	2
LINC00163	lnc	3
LINC00473	lnc	2
hsa-mir-210	miRNA	9
AL354707.1	lnc	1
LINC00491	lnc	1
LNK1-AS2	lnc	1
ATG10-AS1	lnc	1
AC010145.1	lnc	1
AC012640.1	lnc	3
LINC00211	lnc	2
FNDC1-IT1	lnc	2
CHODL-AS1	lnc	1
HOTAIR	lnc	2
LINC00518	lnc	3
AC020907.1	lnc	2
LINC00470	lnc	5
hsa-mir-216b	miRNA	33
H19	lnc	2
NOVA1-AS1	lnc	2
ZBTB20-AS1	lnc	1
LINC00342	lnc	6
MIR137HG	lnc	3
LINC00200	lnc	5
AC016773.1	lnc	3
AP000525.1	lnc	1
C10orf126	lnc	2
AC004832.1	lnc	1
HECW1-IT1	lnc	3
FER1L6-AS1	lnc	3
C5orf64	lnc	6
AC087269.1	lnc	2
hsa-mir-31	miRNA	33
hsa-mir-372	miRNA	33
LINC00485	lnc	5
ANO1-AS2	lnc	2
PVT1	lnc	7
VCAN-AS1	lnc	3

Table SIV. Continued.

Name	Type	Degree
HOTTIP	lnc	6
HNF1A-AS1	lnc	6
AL356133.2	lnc	2
LINC00330	lnc	3
LINC00472	lnc	6
DLX6-AS1	lnc	7
LINC00337	lnc	4
LINC00184	lnc	4
LINC00393	lnc	2
AC061975.6	lnc	2
MUC2	lnc	7
AC022148.1	lnc	5
C10orf91	lnc	3
AC105206.1	lnc	5
AP002478.1	lnc	5
C20orf197	lnc	4
C2orf48	lnc	5
hsa-mir-373	miRNA	35
AGAP11	lnc	7
RMST	lnc	5
GRM5-AS1	lnc	8
NAV2-AS2	lnc	3
LINC00536	lnc	3
LINC00461	lnc	10
FOXP1-IT1	lnc	7
SYNPR-AS1	lnc	2
ADAMTS9-AS1	lnc	4
AC006372.1	lnc	3
ERVH48-1	lnc	4
TBL1XR1-AS1	lnc	2
ERVMER61-1	lnc	2
GRM7-AS3	lnc	3
LINC00466	lnc	5
MEG3	lnc	10
LINC00488	lnc	3
ST7-OT4	lnc	5
UCA1	lnc	3
C1orf220	lnc	6
AC084262.1	lnc	2
LINC00221	lnc	6
LINC00483	lnc	8
hsa-mir-96	miRNA	25
LINC00525	lnc	4

Table SV. Fold and P-values of the four lncRNAs.

lncRNA	logFC	logCPM	P-value	FDR
LINC00525	3.450783808	5.41772975	9.66E-24	1.90E-22
MED4-AS1	-2.266376581	4.512644157	1.73E-62	2.60E-60
STEAP2-AS1	3.173047967	3.81607818	2.52E-19	3.45E-18
SYNPR-AS1	2.090287741	6.589658876	1.44E-13	1.01E-12