

Table S2. List of lncRNAs with a validated function.

This table contains a list of lncRNAs divided into groups depending on their known function. The references to the papers validating the lncRNA function are easily accessible by clicking the numbers near the name of the gene while clicking on the name itself will link to the ncbi page for that gene.

Data has been obtained from the database [LncBook](#)^[9].

Function	Validated lncRNAs
ceRNA	APF ^[1] , ATB ^{[2][3][4][5]} , BC032469 ^[6] , BGLT3 ^[7] , CARL ^[8] , CASC2 ^[9] , CAT104 ^[10] , CBR3-AS1 ^[11] , CCAT1 ^{[12][13][14][15][16]} , CCDC144NL-AS1 ^[17] , CD99P1 ^[18] , CDKN2B-AS1 ^[19] , CDR1-AS ^[20] , CERNA1 ^[21] , CERNA2 ^[22] , CERNA3 ^[23] , CHRFB ^{[24][25]} , CRNDE ^{[26][27]} , CTB-89H12.4 ^[28] , CTD-3080P12.3 ^[6] , CYTOR ^{[29][30]} , DLEU1 ^[31] , DUBR ^[32] , FER1L4 ^{[33][34]} , FLJ90757 ^[35] , GAS5 ^{[36][37][38][39][40]} , H19 ^{[41][42][43][44][45][46][47][48][49][50][51][52][53]} , HNF1A-AS1 ^[54] , HOST2 ^[22] , HOTAIR ^{[55][56][57][58][59][60][61][62][63][64][65]} , HOXA11-AS ^[66] , HULC ^{[67][68][69]} , KIAA1614-AS1 ^[32] , KRASP1 ^[70] , LA16c-313D11.11 ^[71] , LINC00052 ^[72] , LINC00115 ^[73] , LINC00161 ^[74] , LINC00240 ^[75] , LINC00319 ^[76] , LINC00882 ^[32] , LINC00941 ^[77] , LINC00974 ^[78] , LINC01234 ^[10] , LINC01262 ^[79] , LINC01772 ^[80] , LINC01826 ^[81] , linc-223 ^[82] , LINCMD1 ^{[83][84]} , LINC-ROR ^{[85][86][87][88][89][90]} , lncARSR ^[91] , LNCRI ^{[92][93]} , lncRNA-ATB ^{[2][3]} , lncRNA-DLEU1 ^[94] , lncRNA-FER1L4 ^[95] , lnc-SCA7 ^[96] , LOC283663 ^[35] , LOC338651 ^[35] , MAGI1-IT1 ^[17] , MALAT1 ^{[97][98][99][100][101][102][103][104][105][106][107][108]} , MEG3 ^{[109][110][111][73][112]} , MHENCR ^[113] , MIAT ^{[114][115][116][73]} , MINCR ^[117] , MIR31HG ^[118] , MVIH ^[119] , NCK1-DT ^[120] , NEAT1 ^{[121][122][123][124][125]} , PARAL1 ^[126] , PCA3 ^[127] , PCAT1 ^[128] , PCGEM1 ^{[129][130]} , POIR ^[131] , PTCSC3 ^[132] , PTENP1 ^{[133][134][135]} , RMRP ^[136] , RP11-457M11.2 ^[137] , RP11-838N2.4 ^[138] , RSU1P2 ^[139] , SLC26A4-AS1 ^[17] , SNHG14 ^[140] , SNHG6 ^[141] , STXBP5-AS1 ^[10] , TGFB2-OT1 ^[142] , TMSB4 ^[143] , TUG1 ^{[144][28][145][146]} , TUSC7 ^{[147][148]} , UCA1 ^{[149][150][151][152][153][154][155][63][156][157]} , ucoo2kmd.1 ^[158] , UFC1 ^[159] , Unigene56159 ^[160] , XIST ^{[161][162][163][164]} , ZFAS1 ^{[165][166]}
Protein Localization	7SL ^[167] , MALAT1 ^[168] , NEAT1_2 ^[168] , POU6F2-AS2 ^[169]
RNAi	CDKN2B-AS1 ^[170] , MEG3 ^[171] , SEC24B-AS1 ^[172]
Splicing Regulation	51A ^[173] , ABALON ^[174] , BCYRN1 ^[175] , MALAT1 ^{[176][177][178][179][180][134][181][182][183]} , MIAT ^{[184][185]} , NPPA-AS1 ^{[186][178]} , TPM1-AS ^[187] , uc002yug.2 ^[188] , ZEB2-AS1 ^[189]
Transcriptional Regulation	116HG ^[190] , 7SK ^{[191][192][193][194][195]} , 91H ^[196] , AGAP2-AS1 ^[197] , AIRN ^[198] , AK294004 ^[199] , APOA1-AS ^[200] , APOC1P1-3 ^[201] , APTR ^[202] , ASncmtRNAs ^[203] , ATXN8OS ^[204] , B4GALT1-AS1 ^[205] , BAALC-AS1 ^[206] , BACE1-AS ^[207] , BALR-6 ^[208] , BANC1 ^[209] , BC041488 ^[43] , BCAR4 ^{[210][211][212]} , BDNF-AS ^{[213][214][190]} , BLACAT1 ^[215] , C5T1lncRNA ^[216] , CADM1-AS1 ^[217] , CAMTA1-DT ^[218] , CAR Intergenic 10 ^[192] , CARD8-AS1 ^[219] , CARMN ^[220] , CASC11 ^[221] , CCAT1-L ^[222] , CCAT2 ^[223] , CCDC26 ^[224] , CCEPR ^[225] , CDKN1A-AS1 ^[226] , CDKN2B-AS1 ^{[227][228][229][230][231][232][233][234][235][236][237][238][239][184][181][240][190][241][242]} , CFTR-AS1 ^[243] , Chaer ^[244] , CISTR ^[245] , COL1A2-AS1 ^[246] , CRNDE ^{[247][248]} , CTBP1-AS ^{[249][250][251][207]} , CYP4A22-AS1 ^[252] , CYTOR ^{[253][254]} , DACOR1 ^[255] , DALIR ^[256] , DANC1 ^{[257][258][259][260]} , DANT1 ^[261] , DANT2 ^[261] , DBCCR1-003 ^[262] , DBET ^[263] , DGCR5 ^[264] , DHFR upstream transcripts ^[265] , DHRS4-AS1 ^[266] , DILC ^[267] , DISC1FP1 ^[268] , DISC2 ^[269] , DLEU1 ^{[270][271]} , DLEU2 ^{[270][271]} , DLX6-AS1 ^[272] , DQ786243 ^[273] , EBIC ^[274] , ELFN1-AS1 ^[275] , EMX2OS ^[276] , ERICD ^[277] , Evf2 ^[278] , EVI1 ^[279] , EWSAT1 ^[280] , FALEC ^{[252][281]} , FAS-AS1 ^[282] , FENDRR ^{[283][284][285]} , FEZF1-AS1 ^{[286][286]} , FGF10-AS1 ^[287] , FIRRE ^[288] , FLICR ^[289] , FMR1-AS1 ^[290] , FOXCUT ^[291] , FOXD3-AS1 ^[292] , FTX ^{[293][294]} , GAS5 ^[295] , GATA3-AS1 ^[296] , GCInc1 ^[297] , GDNF-AS1 ^[298] , GHRLOS ^[299] , GIHCG ^[300] , GNAS-AS1 ^[301] , GNG12-AS1 ^[302] , GPC3-AS1 ^[303] , GPR1-AS ^[304] , GSTT1-AS1 ^[305] , H19 ^{[306][307][308][309][310][311][312][313][314][315][181][316]} , HAR1A ^[317] , HAR1B ^[317]

	<p>HAS2-AS1^[318], HIT^[319], HOTAIR^{[320][321][322][323][324][325][326][327][328][329][330][331][332][333][334][335][336][337][338][339][340][341][342][343][344][345][346][347][178][348][135][349][350][351]}, HOTAIRM1^[352], HOTTIP^{[353][354][355][356][207]}, HOXA-AS2^[357], HOXC-AS1^[358], HTTAS_v1^[190], HULC^{[359][360][361][362][363]}, IFNG-AS1^{[364][365]}, IGF2-AS^[366], IPW^[367], IRAIN^{[368][369]}, JADRR^[370], JPX^[371], KCNQ1OT1^{[372][373][374]}, LALR^[375], LINC00312^[376], LINC00473^[377], LINC00570^[252], LINC00628^[378], LINC00672^[379], LINC00673^[380], LINC00853^[252], LINC00887^[381], LINC01081^[382], LINC01116^[383], LINC01133^[384], LINC01158^[385], LINC01191^[386], LINC01207^[387], LINC01562^[388], LINC01629^[381], LINC02574^[389], LINC02575^[389], LINC-PINT^[390], lincRNA-LALR1^[391], lincRNA-p21^[134], LINC-ROR^{[392][393]}, Lnc34a^[394], lnc-DILC^[267], lnc-NKX2-3-1^[395], LNCPRESS2^[396], lncRNA-CD244^[305], LncRNA-LALR1^[391], lnc-RTN4R-1^[395], LNCSRLR^[397], LOC100887755^[252], LOC389023^[214], LRP1-AS^[398], LRRC3DN^[399], LUADT1^[400], LUARIS^[401], LUCAT1^[402], LUNAR1^[403], MAFTRR^[404], MALAT1^{[405][406][407][408][409][410][411][412][413][414][415]}, MAPT-AS1^[416], MEG3^{[417][418][419][420][421][422]}, MHRT^[423], MIF-AS1^[424], MINCR^{[425][426]}, MIR2052HG^[427], MIR210HG^[381], MRUL^[428], MYCNOS^{[429][430]}, NALT1^[431], NBAT1^{[432][433]}, NBR2^{[434][435][435]}, ncNRFR^[436], ncR-PAR^[437], NCRUPAR^[437], NEAT1^{[438][439][440]}, NFIA-AS1^{[441][442]}, NKX2-2-AS1^[443], NORAD^[444], NRAV^[445], NRIR^[446], PACERR^[447], PAN^{[448][449]}, PANDAR^{[450][451][180]}, PARTICL^{[452][453]}, PAUPAR^{[454][455]}, PCA3^{[456][457]}, PCAT1^{[458][459][251]}, PCAT6^[252], PCGEM1^{[460][461]}, PCNA-AS1^{[462][463][464]}, PEG13^[465], PICSAR^[466], PINCR^[467], PINK1-AS^[468], PISRT1^[469], PLUT^[470], POU3F3^[385], Ppp1r1b^[471], PR antisense transcripts^[472], PRINS^[473], PRNCR1^{[474][460]}, PTCSC2^[475], PTENP1^[476], PTENP1-AS^[476], PTPRJ-AS1^[477], PVT1^{[478][479][480][481][482][483][484]}, RAD51-AS1^[485], RASSF1-AS1^[486], RBM5-AS1^[487], RMST^[488], RNA-a^[190], ROCR^[489], RP11-359E19.2^[43], RRP1B^[490], SBF2-AS1^[491], SCAANT1^[492], SCHLAP1^[493], snaR^[494], SNHG20^[495], SOCS2-AS1^[496], SOX2-OT^{[497][498]}, SOX9-AS1^[489], SPRY4-IT1^{[499][500]}, SRA^{[501][502][348]}, TARID^{[503][504]}, TEX41^[505], TH2LCRR^[506], THRIL^[507], TMPOP2^[274], TP53COR1^{[508][509]}, TRAF3IP2-AS1^[510], TRERNA1^[252], TSIX^[511], TUG1^{[512][513][514][515][516]}, TUNAR^[517], TUSC7^[518], uc.338^[519], uc.345^[520], UCA1^{[521][522][523][524][525][526]}, UFC1^[527], UNMIBC^[528], WFDC21P^[529], WSPAR^[530], WT1-AS^{[531][532]}, XIST^{[533][534][535][536][537]}, YAM1^{[538][538]}, ZFAS1^{[539][540]}</p>
Translational Control	<p>BACE1-AS^{[541][178][542]}, BCYRN1^[543], BTG3-AS1^[544], FILNC1^[545], HIF1A-AS2^[546], LNCPRESS1^[547], MALAT1^[548], MSNP1AS^[549], NORAD^[550], PPP1R12A-AS1^[551], PVT1^{[552][553]}, RBM15-AS1^[554], SATB2-AS1^[555], SNHG6^[556], UCHL1-AS1^[168]</p>

