

Appendix 5 Oncosearch

Appendix 5.1 – Literature citation in PubMed articles related to breast cancer.

Gene	Breast Cancer	cancer
ADCY8	0	23
ADCYAP1R1	13	76
APOB	17	159
APOBEC1	7	90
BTNL2	1	28
C13orf36	0	1
C16orf11	0	0
C17orf64	0	0
C1orf230	0	0
C20orf85	2	61
C3orf50	0	0
C7orf16	1	13
C8orf22	0	1
CACNG5	0	0
CCL1	8	72
CCL7	271	2444
CDK5R2	4	53
CHRNA6	0	9
CLDN25	0	0
CLDN6	6	17
CMTM5	0	12
COL29A1	0	1
CPA1	149	657
CRHR2	5	31
CST5	1	7
CYP1A2	335	1919
DCAF12L1	0	1
DLK1	34	369
DNAJC5G	0	0
DPP6	0	17
DUSP13	1	9
EFNA2	11	52
F2	2071	22119
FCRL4	0	12
FOXP1	666	6341
FRMPD4	0	0
GAB4	0	0
GABRA4	0	2
GABRA5	0	2
GABRQ	80	743

GNGT1	1	1
GPR123	0	1
GRIN2B	6	122
GRM4	0	11
HEPN1	0	0
HIST1H1A	2	26
HIST1H2BB	1	16
HIST1H4L	4	33
HMX2	0	2
HORMAD2	1	7
HOXB13	44	186
HOXC12	1	6
HPD	52	848
HPSE2	7	61
HPYR1	0	0
HS3ST4	0	2
KCNA4	10	160
KCNH5	0	14
KCNJ16	0	5
KRTAP3-1	0	0
LHX1	4	70
LHX2	8	39
LHX9	0	4
LOC100132354	0	1
LOC201651	0	0
LOC284661	0	0
LOC642597	0	0
LOC646627	0	1
LOC647309	0	4
LPA	220	2214
LRRC3B	2	14
MAGEA1	14	293
METTL11B	0	0
MS4A15	0	1
MYT1	4	60
NKX2-2	2	94
NKX2-3	0	34
NPHS1	27	100
NPY2R	0	2
OLFM3	1	2
OR10A3	0	1
OR5P3	0	0
OTP	1	18
PAX7	2	182
PDX1	39	646
PLAC1	10	45
POU6F2	1	4

PROC	3289	40780
PROKR1	5	49
PRRG3	1	1
RAX	44	371
RBM46	0	1
RESP18	0	1
RP1-177G6.2	0	0
RXRG	2	14
SBK2	0	2
SGCZ	1	6
SLC24A2	0	2
SLC32A1	0	3
SLC6A19	0	7
SLC6A2	2418	17758
SLC7A14	0	1
SP8	7	51
SPHKAP	77	604
TBX20	0	6
TCHHL1	0	1
TEPP	4	19
TERT	301	3953
TLX1	2	120
TLX1NB	17	159
TLX3	2	68
TMEM196	0	1
TRIM15	0	3
TRPM1	1	25
TUBA3C	0	1
WIT1	6	54
WT1	108	1441

Appendix 5.2 – Literature citation in PubMed articles related to colorectal cancer.

Gene	Colorectal Cancer	cancer
ABCA12	3	19
ADAMTS19	1	2
ADCYAP1R1	8	76
ADRB3	0	27
AGTR1	20	390
AKR1CL1	0	1
ALK	71	3877
ALOXE3	0	14
ANKS1B	32	388
AQP5	21	85

ARL5C	0	0
ASPG	0	5
ASTN1	0	7
ATCAY	0	7
ATP13A5	0	0
B3GALT1	0	3
BAI3	0	7
BEST4	0	0
BEX1	3	38
BMP3	29	43
BTNL2	1	28
C13orf36	0	1
C13orf38	0	0
C1orf173	0	0
C2orf40	6	95
C3orf72	0	0
C6orf155	2	7
C6orf186	0	0
C9orf4	1	5
C9orf79	0	0
CA10	2	17
CACNG5	0	0
CACNG7	0	2
CADM2	0	15
CADM3	2	13
CALCA	4321	56562
CALY	0	19
CAMKV	0	3
CD300LG	1	2
CDH19	1	14
CDH22	5	6
CHRM2	0	11
CHRNA4	14	287
CHST4	0	7
CHST8	0	5
CIDEA	0	29
CLVS2	0	0
CMA1	34	308
CNGA3	0	2
CNKSR2	1	35
CNTRF	1	7
CNTN1	21	732
CNTN2	27	1202
CNTNAP4	0	6
COL11A1	8	73
COL29A1	0	1
CPA4	3	28

CPEB1	1	52
CPNE4	0	0
CRABP1	56	170
CRHBP	0	3
CST2	0	4
CTNNA3	0	9
CTNND2	0	26
DACH2	0	7
DBX2	0	4
DCAF12L1	0	1
DIRC1	0	2
DIRC3	0	7
DLGAP2	0	3
DLX6AS	0	5
DMRTA1	0	21
DMRTA2	0	0
DNER	42	1044
DPP10	1	13
DPP6	0	17
DSCAML1	0	0
DUSP5P	0	0
ELANE	923	12362
ELAVL3	22	265
ELAVL4	5	165
ELMOD1	0	0
EN2	1	49
ENPP6	0	4
EPHA5	1	49
EPHA6	3	13
FAM135B	0	2
FAM5C	0	4
FEZF1	11	105
FFAR1	5	45
FGF10	3	97
FGF19	12	121
FGF20	9	38
FGF3	2	268
FGF8	4	198
FMN2	1	11
FRMPD4	0	0
GABRG1	0	2
GAD1	37	636
GAL3ST3	0	6
GBX2	0	31
GFRA3	0	14
GP2	3	56
GPM6A	2	70

GPR123	0	1
GPR26	0	2
GRHL3	20	553
GRIA2	1	38
GRIA3	0	14
GRIN2A	32	249
GSDMC	2	11
HABP2	2	60
HBM	20	190
HCN4	0	6
HCRT	176	2056
HEPHL1	1	2
HMGCLL1	0	1
HMHB1	1	20
HMX3	0	1
HPSE2	5	61
HRK	4	207
HTR3B	0	17
HTR5A	0	4
IBSP	21	345
IGSF11	0	8
IL1RAPL2	1	2
IL5RA	0	7
INA	26	447
INSL6	4	103
IRX1	0	19
IRX5	6	31
KCNA1	3	73
KCNC2	0	2
KCNIP1	0	3
KCNK2	0	51
KCNQ2	1	21
KCNS2	0	1
KIAA1751	0	0
KIAA2022	0	5
KIF1A	2	31
KIR3DX1	0	0
KRT23	137	2869
KRTAP3-1	0	0
LECT1	0	26
LHFPL1	0	0
LHFPL4	0	1
LMX1A	2	33
LOC284276	0	0
LOC286467	1	2
LOC389493	0	1
LOC400804	0	0

LOC84931	0	1
LONRF2	0	1
LPO	30	400
LRAT	2	27
LRRC3B	4	14
LY6G6D	1	9
LY6G6E	0	1
MAFA	2	22
MAPK4	1	17
MAS1L	4	48
MCHR2	6	179
MGAT4C	0	3
MMD2	0	4
MMP20	1	20
MOGAT1	1	11
MYOT	0	5
MYT1L	0	9
NANOS3	13	289
NCAN	1	7
NEFL	9	97
NEFM	3	47
NEUROD1	105	2040
NLGN1	0	8
NOS1	96	1904
NPAS4	0	9
NPFFR1	0	1
NPY	12	224
NPY2R	0	2
NPY5R	0	3
NRG3	2	25
NRSN1	4	529
NRXN1	1	16
NTNG1	2	4
NXPH1	0	5
OBP2B	0	0
ONECUT3	0	16
OPRM1	126	2686
OR1J4	0	0
OR2L13	0	0
OR2W3	0	1
OTX1	1	20
PAEP	137	2685
PAK7	11	74
PAX4	1	13
PCDH10	8	52
PCDH8	0	36
PCDHB1	0	1

PCP4L1	0	0
PCSK2	6	109
PENK	115	3072
PGC	26	669
PGLYRP3	0	1
PHOX2B	4	125
PIK3C2G	1	11
PKD1L2	1	2
PLCXD3	0	1
PLD5	0	5
PLP1	34	350
PPP1R1A	9	146
PRB2	470	6159
PRHOXNB	0	1
PRIMA1	8	220
PRPH	0	12
PRRG3	0	1
PRRT4	0	0
PRSS1	4	148
PTF1A	47	1293
PTPRZ1	5	67
RALYL	0	4
RASGEF1C	0	1
RGS22	0	3
RIC3	0	0
RIMS2	1	3
RIMS4	0	4
RIPPLY2	0	2
RORB	4	13
RSPO2	16	47
SAA4	1	23
SALL4	12	269
SCG3	0	12
SCNN1G	0	8
SEC14L4	0	0
SEMA3E	2	39
SEMG2	0	15
SERPINB7	0	6
SEZ6L	0	6
SFTPD	0	81
SGCG	115	1458
SH3GL3	1	3
SIX1	7	115
SLC16A12	2	12
SLC26A9	0	0
SLC27A6	0	0
SLC30A10	2	17

SLC35F3	0	0
SLC5A7	14	340
SLC5A8	52	311
SLC6A15	2	12
SLC6A19	0	7
SLC6A2	1524	17753
SLC7A14	1	1
SLCO1B1	33	386
SLCO4C1	0	12
SLITRK2	0	2
SLITRK4	0	4
SNTG2	0	0
SNX32	0	1
SOHLH2	0	10
SORCS1	0	1
SORCS3	0	2
SOX14	0	7
SPAG17	7	141
SPAG6	0	10
SPERT	1	3
SPOCK3	0	7
SPRR1A	2	15
SPRR2E	0	2
SPRR3	1	20
SST	26	400
ST8SIA3	0	2
STAC2	0	2
STON1-GTF2A1L	0	4
STRA6	2	14
STXBP5L	0	2
SVOPL	0	1
SYT10	1	1
SYT4	0	2
SYT9	0	5
TAS2R38	36	3894
TAT	43	1568
TBX20	0	6
TBX5	13	434
TCN1	125	2769
TEX101	0	14
TFAP2B	1	41
TG	139	4098
TMEFF2	947	13387
TNNI3	3	75
TPH1	2	75
TPH2	0	7
TTY14	0	2

ULBP1	6	73
UNC5D	5	19
VSTM2A	0	1
VWC2	0	1
WDR17	0	1
WNT2	26	233
WNT7B	1	55
WT1	36	1441
XKR4	0	2
ZIC1	5	171
ZIC5	1	10
ZIM2	0	3
ZNF280A	0	0
ZNF492	0	0
ZNF727	0	0

Appendix 5.3 – Literature citation in PubMed articles related to head and neck cancer.

Gene	Head and Neck Cancer	cancer
ABCC8	53	6560
ACCSL	0	0
ADCY8	0	23
ADH1B	17	212
AGBL4	0	2
AMELY	0	1
BMP3	0	43
C10orf90	3	4533
C13orf26	0	0
C13orf36	0	1
C1orf173	0	0
C20orf141	0	0
C6	6	1658
C6orf10	0	0
C6orf118	0	0
CA10	0	17
CDH12	0	38
CHRM1	77	6082
CNGB3	0	2
CPNE4	0	0
CSMD3	1	18
CSN2	0	13
CYP4Z2P	0	7
DCT	3	334

DLK1	0	369
DPCR1	0	7
DPP10	0	13
DSCAM	0	38
EPHA6	0	13
FAM150A	0	10
FAM183B	0	0
FCN2	2	342
FOXI2	0	2
GABRA4	0	2
GABRB1	0	3
GABRG3	0	2
GBX2	1	31
GPR144	0	1
GRIA2	0	38
GRIA4	0	18
GRID2	0	14
GRIK3	0	8
GRM7	0	11
HCN1	0	21
HMGCLL1	0	1
HOTAIR	3	424
HOXB9	0	58
HOXC11	0	21
HOXC9	0	26
HOXD13	1	338
IGF2BP1	0	225
IL24	1	141
KCNC2	0	2
KCTD8	0	2
KLHL33	0	1
LHFPL1	0	0
LHX1	0	70
LHX5	0	2
LHX9	0	4
LMX1A	0	33
LRRC3B	1	14
MDGA2	0	3
MGC16121	0	4
NKAIN3	0	0
NOL4	1	4
NPFFR2	1	2
NPY	1	224
NPY2R	1	2
NPY5R	1	3
NR1H4	17	2010
NRG3	0	25

PACRG	0	5
PAQR9	0	1
PDX1	2	646
POU3F3	0	72
PRAMEF12	0	0
PROKR2	0	36
RBP4	1	56
RGR	0	18
RGS7BP	0	0
SHISA9	0	3
SLC5A7	10	341
SLC5A8	3	311
SLC7A14	0	1
SLITRK3	0	1
SOST	0	161
SPATA4	0	0
SYNPR	0	44
TLX2	1	57
TRH	2	426
TRPM3	1	24
UGT3A1	0	3
UNC13C	0	1
VAX1	0	4
WIF1	3	304
WT1	2	1441
ZIC5	0	10
ZNF536	0	1

Appendix 5.4 - Literature citation in PubMed articles related to kidney_R cancer.

Gene	Kidney Renal Clear Cell (kidney cancer)	cancer
A2BP1	0	40
ABCA4	0	612
ADH1C	0	139
AKNAD1	0	0
AKR1CL1	0	1
ANKRD2	0	12
AQP2	0	31
ATP10B	0	2
ATP4B	0	10
B4GALNT2	0	12

BCAS1	0	24
BIRC7	5	380
BMP7	3	207
BSND	1	279
BTBD16	0	1
C10orf71	0	1
C10orf99	0	7
C11orf16	0	0
C11orf86	0	0
C13orf26	0	0
C14orf50	0	1
C15orf53	0	0
C1orf127	0	0
C20orf151	0	0
C4orf6	0	34
C5orf38	0	82
C8orf22	0	1
CA10	1	17
CA9	78	14252
CALB1	0	37
CAPN8	0	4
CCDC33	0	2
CD5L	251	122558
CHRNA6	0	9
CKMT1A	0	8
CLCN1	0	1
CLCNKA	0	1
CLDN16	0	5
CLDN19	0	1
CLDN8	0	11
CLNK	0	73
CTNNA2	0	41
DEFB132	0	0
DGCR10	0	0
DLX2	0	36
DPP10	0	14
DUSP5P	0	0
EHF	0	51
ELF5	1	58

EMID2	0	4
EPN3	0	6
ESRP1	0	65
ESRRB	0	39
F2	56	22139
FAM184B	0	0
FATE1	5	7441
FBN3	0	4
FGFBP1	0	94
FLJ42875	0	1
FOXI1	1	14
FXYD4	0	5
GABRA2	0	1
GAL3ST3	0	6
GGT6	0	1
GPR110	0	10
GRHL2	1	181
GRM1	0	100
HAO1	0	43
HEPACAM2	5	1473
HES5	0	68
IL20RA	0	29
IRX1	0	19
KCNA1	0	73
KCNA4	1	160
KCNE1	1	399
KCNJ1	0	17
KRT32	0	39
LGALS12	0	59
LGR5	1	629
LHX1	3	70
LILRA4	0	15
LINGO3	0	3
LOC100128076	0	0
LOC100131551	0	1
LOC285796	0	0
LSAMP	0	606
LYPD6B	0	0
MAP3K15	0	2

MAPK4	0	17
MARCH10	0	0
MS4A3	0	6
MYEOV	0	21
MYO3B	0	2
NAT8L	0	6
NCRNA00160	0	2
NDST3	0	3
NEIL3	0	22
NPY	2	224
NR0B2	2	764
OLFM3	0	2
OLFM4	0	130
OVCH2	0	0
OVOL2	0	19
PADI1	0	407
PHF21B	0	2
PLA2G4F	0	3
PPP1R1B	0	84
PRSS22	0	2
PVT1	21	16353
RAB25	0	80
RAB3B	0	7
RANBP3L	0	1
REG1A	2	3466
RNASE3	1	492
ROS1	7	13665
RPSAP52	0	1
RUFY4	0	0
RXFP4	0	7
S100A5	0	10
S100Z	0	2
SEMA3E	0	39
SFTA1P	0	8
SIAH3	0	2
SLC17A2	0	2
SLC7A14	0	1
SPERT	0	3
ST8SIA2	0	126

SVOPL	0	1
TAGLN3	0	3
TDGF3	0	506
TERT	5	3956
TFAP2B	1	41
TFAP2C	0	84
TGM7	0	1
TH	5	4500
TMEM61	0	1
TMPRSS12	0	1
TMPRSS4	0	81
TNFAIP6	0	47
TNFSF14	52	35679
TNIP3	2	653
TNNI2	0	4
TP73	0	1523
TRPV6	0	134
UBASH3A	0	29
UMODL1	0	2
UNC13C	0	1
UNC5A	0	43
UNC93A	0	2
VGLL1	0	26
VSIG1	0	8
VWA3B	0	0
WFDC12	0	1
WNT7B	0	55
XKR4	0	2
ZIC3	0	36

Appendix 5.5 – Literature citation in PubMed articles related to kidney_p cancer.

Gene	Kidney Renal Papillary Cell (kidney_p cancer)	cancer
ABCA4	0	612
ABCC13	0	4
ADH1C	0	139
ALX4	0	29
AMELY	0	1
APOH	1	1074
AQP2	0	31
AZU1	0	376
BMP5	0	19
BSND	1	279
C10orf50	0	0
C10orf99	0	7
C16orf11	0	0
C1orf168	0	192
C1orf64	0	15
C20orf151	0	0
C21orf29	0	5
C4orf26	0	0
C6orf223	0	2
CALML3	0	246
CAMK2A	0	18
CAMP	6	4734
CASQ2	0	3
CDKN2BAS	0	142
CGA	3	2545
CHRM3	0	1960
CLDN8	0	11
CLEC3A	0	2
CPNE6	0	0
CSF3	0	3791
DCDC2B	0	0
DGKI	0	6
DNAJC5B	0	2
DOC2A	0	7

DUSP5P	0	0
EBF2	0	36
ELF5	1	58
F11	3	939
FAM3B	4	1887
FBXO40	0	1
FLJ32063	0	1
FSTL4	0	0
FXYD3	2	34
FXYD4	0	5
G6PC	0	82
GABRR1	0	2
GATA5	1	64
GCKR	0	24
GRHL2	1	181
HCRTR1	0	18
HRG	0	309
HRK	0	207
HTR3D	0	2
HTRA4	0	2
IFITM5	0	49
IGFN1	0	1
KCNE1	1	399
KCNJ1	0	17
LHX1	3	70
LMX1B	0	25
LOC100132354	0	1
LOC153910	0	0
LOC283404	0	0
LOC348840	0	0
MAT1A	2	710
MCCD1	0	0
MMP20	0	20
MNX1	0	56
MUC12	0	16
MYOCD	0	7
NKAIN3	0	0
NR0B2	2	764
NXPH2	0	2

PEBP4	0	27
PII6	0	15
PKD2L1	0	839
PLA2G3	0	12
PRDM16	0	85
PROZ	0	581
PSORS1C1	0	4
PXDNL	0	26
PYY	0	87
RASL11B	0	4
RGS17	0	20
RIMBP2	1	50
RNASE11	0	1
RPS4Y2	0	1
RXRG	0	15
SCEL	0	8
SIAH3	0	2
SLC22A8	0	69
SLC38A8	0	0
SLC4A9	0	6
SLC5A11	0	1
SLC9A10	0	125
STRA6	0	14
TBL1Y	0	11
TFAP2A	0	720
TMEM145	0	0
TNNT2	0	57
TRPM8	1	147
TTC36	0	3
TTR	2	1253
UCN	3	765
WIT1	1	54
WT1	39	1442

Appendix 5.6 – Literature citation in PubMed articles related to liver cancer.

Gene	Liver Cancer	cancer
ABCB5	2	96
ACTL8	0	2
AGBL4	0	2
ALPI	13	1688
AMPD1	6	546
ANKFN1	0	0
ANKRD30B	0	1
ASCL4	0	2
ATP13A4	0	1
B3GALT1	0	3
B3GALT5	36	4309
B4GALNT2	0	12
BEND4	0	3
BFSP2	0	2
BMP10	0	17
BMP5	0	19
BMPER	0	164
C10orf71	0	1
C13orf26	0	0
C14orf180	0	0
C1orf125	0	0
C1orf158	0	0
C1QL4	0	0
C20orf186	0	0
C21orf62	0	12
C3orf50	0	0
C7orf71	0	0
C9orf4	0	5
C9orf50	0	1
CACNA1B	2	34
CACNA1E	1	103
CACNA1S	0	10
CALN1	0	2
CALY	0	19
CAMKV	0	3

CAPN14	0	0
CARD18	1	123
CBLN2	0	2
CCBE1	0	16
CCDC144NL	0	3
CCL26	4	188
CD164L2	0	1
CDH10	1	9
CDH8	0	11
CDH9	1	4
CDKN2BAS	5	142
CEACAM20	0	2
CFTR	11	2335
CHGA	5	923
CHRM2	0	11
CHST4	0	7
CLDN10	64	7423
CLDN8	0	11
CLEC1B	0	21
CLEC2L	0	0
CLEC4C	1	39
CLEC4G	0	5
CLEC4GP1	0	1
CLEC4M	0	24
CNGB3	0	2
CNTNAP4	0	6
COL24A1	0	2
COL25A1	3	409
COL2A1	2	1261
COL6A6	0	3
COL9A1	2124	219418
COX7B2	0	1
CPA5	1	1
CPA6	1	6
CPLX2	0	7
CR1L	0	0
CRABP1	1	170
CSMD1	1	36
CTAG2	1	945

CTNNA2	0	41
CWH43	0	1
CYP19A1	16	7657
CYP2W1	0	31
DACH2	0	7
DCAF4L2	0	1
DCC	7	2922
DDX53	11	1630
DEFA4	0	8
DGCR10	0	0
DGKI	1	6
DLGAP2	0	3
DLX5	0	40
DMRTA2	0	0
DNER	11	1046
DPP10	0	14
DPYSL5	0	166
DQX1	0	0
DRP2	0	2
DSCAM	0	38
DUSP13	0	9
DUSP5P	0	0
ELAVL2	28	1543
EPS8L3	0	1
ERBB4	2	1158
ERC2	13	745
FAM150A	0	10
FAM55D	0	1
FAM5B	0	2
FAM5C	0	4
FAM83B	0	10
FAM83E	0	1
FAM83F	0	3
FATE1	50	7441
FCAR	0	47
FCN2	1	342
FGF23	0	84
FIBCD1	0	2
FOXD3	54	3792

FRMPD2	0	1
FSHR	0	92
GABRA3	0	9
GABRA4	0	2
GABRA5	0	2
GABRD	0	1
GABRQ	5	744
GABRR3	0	0
GAD1	5	636
GAGE12J	0	1
GAST	45	6982
GDF2	6	110
GHRHR	1	14
GJA10	0	0
GJD4	0	0
GLB1L3	0	0
GLP1R	0	377
GLP2R	0	4
GPR123	0	1
GPRIN2	0	5
GRIN1	1	99
GRM4	0	11
H1FNT	0	0
HAVCR1	29	1083
HBD	1	131
HCN1	0	21
HHIP	11	3250
HIST3H2BB	0	1
HMGCLL1	0	1
HOXA10	43	7135
HOXA6	1	11
HOXD1	0	26
HOXD3	0	40
HOXD4	0	40
HRH3	0	6
HTR3B	0	17
IGDCC3	0	6
IGF2BP1	8	225
IGFL2	0	1

IGLL1	60	3639
IL17F	47	3076
IL20RA	1	29
ISL2	0	1
ISX	0	11
ITLN1	1	169
KCNG3	0	30
KCNH7	0	16
KCNJ16	0	5
KCNJ9	0	0
KCNK16	0	2
KCNK9	0	35
KCNU1	0	0
KIRREL2	0	2
KLK10	0	125
KLK11	0	45
KLK2	5	644
KLK4	0	1899
KRT12	11	3441
KRT20	6	3909
KRTAP1-1	0	0
LCE1C	0	3
LDLRAD1	0	1
LILRA3	0	5
LINGO2	0	5
LOC146336	0	1
LOC285629	0	0
LOC731789	0	0
LOC84740	0	46
LOC84931	0	1
LPAR4	0	31
LRRC26	0	17
MAFA	0	22
MAG	13	459
MAGEA1	8	293
MAGEA8	0	2
MAGEB1	1	36
MAGEB2	0	64
MAGEC1	0	121

MAGEC2	1	140
MARCH4	0	0
MARCO	52	1378
MKRN3	0	5
MNX1	0	56
MS4A3	0	6
MYBPHL	0	0
MYCBPAP	0	20
MYH1	0	6
MYH13	0	1
MYH8	0	7
MYO18B	0	16
MYO3A	0	6
NAA11	0	3
NCRNA00164	0	0
NDST3	0	3
NEIL3	0	22
NEUROD6	0	7
NKX3-2	0	19
NPHS1	0	100
NR0B1	12	3054
NRXN1	1	16
NUDT10	0	5
NXF5	0	0
ODAM	0	15
ODZ3	1	34
OPN1MW	4	536
OR13A1	0	0
OR1J2	0	0
OR51E1	0	12
OR51E2	0	51
OR56A3	0	0
OR5AK2	0	0
OTP	0	18
OTX1	0	20
PAEP	56	2686
PAGE1	0	16
PAGE2	0	9
PAGE2B	0	0

PAGE4	0	46
PAK7	0	74
PANX3	0	7
PART1	0	7
PCSK2	1	109
PDZRN4	2	4
PGK2	0	3
PHACTR3	0	12
PITX1	6	2038
PLP1	4	351
PMP2	12	1752
PNCK	0	10
POPDC3	0	13
POU6F2	0	4
PPAPDC1A	0	5
PRAMEF12	0	0
PRDM7	0	2
PRDM9	0	22
PRIMA1	3	220
PRND	0	40
PROK2	2	76
PRRG3	0	1
PRSS22	0	2
PTF1A	7	1296
PVALB	0	2
PXDNL	1	26
PZP	0	17
RCVRN	0	88
RDH8	0	1
REG1A	14	3466
REG1B	0	19
REG3A	30	9905
RFPL4B	0	0
RGS9BP	0	4
RPS6KA6	0	46
RPSAP52	0	1
RTL1	0	119
S100A12	3	509
SCGB1D2	0	21

SEMA3E	0	39
SH2D4B	0	0
SHISA6	0	0
SIX1	1	115
SIX2	0	32
SLC17A8	0	4
SLC22A6	0	71
SLC28A3	0	25
SLC34A3	0	1
SLC38A8	0	0
SLC5A1	0	82
SLC5A7	1	341
SLC5A8	6	311
SLC6A19	0	7
SLC7A4	3	582
SLCO1C1	1	17
SLCO6A1	92	3734
SLITRK2	0	2
SLITRK3	0	1
SLITRK6	0	6
SLN	6	3016
SMEK3P	0	0
SOX11	0	96
SP8	0	51
SPHKAP	0	604
SPINK5	77	13799
SPRED3	0	3
SPRR2A	0	13
SPSB4	0	3
SRRM4	0	12
SSX1	0	132
SSX3	0	7
SSX6	0	1
ST8SIA6	1	6
STAB2	2	249
STRA6	0	14
STRA8	0	13
STXBP5L	0	2
SYT9	0	5

TAS2R10	0	5
TBX4	0	306
TERT	67	3956
TEX101	0	14
TEX15	0	5
TFDP3	3	66
TFF2	81	8702
TH	68	4500
THBS4	0	17
TIMD4	0	38
TINAG	0	3
TM4SF20	0	0
TMEM132C	0	1
TMEM145	0	0
TNR	1	69
TRIM71	2	13
TRPM5	0	15
TRPV6	0	134
TSPY2	0	0
TUBA3C	0	1
UBL4B	0	1
UPK1B	0	22
UPK3A	0	35
VCX3A	0	2
VGLL1	0	26
VSX2	0	18
VWDE	0	1
WNT2	3	233
WNT3A	8	448
XAGE5	0	0
XKR4	0	2
ZIC2	2	27
ZIC5	0	10
ZNF280A	0	0
ZNF679	0	0
ZNF695	0	5
ZNF716	0	1
ZNF735	0	0

Appendix 5.7 – Literature citation in PubMed articles related to lung cancer.

Gene	Lung Cancer	cancer
ADAMTS20	0	6
ADCY8	0	23
ADCYAP1R1	12	76
AGBL1	0	2
ALX1	3	17
APOBEC1	3	90
BARX1	1	18
BOLL	10	244
BPIL1	0	2
BRDT	5	47
C12orf42	0	0
C13orf36	0	1
C14orf39	0	2
C17orf102	0	0
C1QL2	0	0
C1QL4	0	0
C7orf16	1	13
C7orf52	0	0
CALN1	0	2
CD300LG	1	2
CDX2	25	742
CHRM1	691	6089
CHRM2	1	11
CHRNA4	115	287
CNGA3	0	2
CNTD2	1	3
CNTNAP4	0	6
COL9A1	18850	219418
COX6B2	0	0
CRABP1	3	170
CRH	41	808
DCAF12L2	0	1
DGKI	0	6
DGKK	0	1
DLX1	1	25

DLX6AS	1	5
DMRT1	2	89
DMRT3	2	2
DMRTA2	0	0
DUSP9	0	24
ECEL1	2	37
EDN3	1	91
EMX1	0	8
EN2	1	49
FAM163A	0	3
FAM83A	5	18
FEZF1	8	105
FGF10	12	97
FLJ12825	0	0
FOXD3	184	3792
FOXE1	7	112
FOXE3	1	7
FOXI3	0	3
FOXL2	115	2340
FRMPD4	0	0
FSD1	1	20
FUT9	0	4
GABRA1	0	15
GABRA3	3	9
GABRA4	0	2
GAD1	31	636
GDNF	52	1211
GLB1L3	0	0
GPR115	1	2
GPR50	8	200
GRHL3	29	553
GRID2	0	14
GSG1L	0	2
GUCA1A	0	16
HAVCR1	69	1083
HBG1	0	9
HBG2	0	4
HBM	10	190
HIST1H2BI	1	1

HIST1H3B	5	181
HIST1H4E	0	0
HMX2	0	2
HOTAIR	27	425
HOXA11	9	71
HOXB13	2	186
HOXB9	3	58
HOXC10	1	19
HOXC11	0	21
HOXC13	0	26
HOXD11	0	20
HOXD13	24	338
IGF2BP1	9	225
IL1RAPL2	0	2
IL22RA2	0	28
KCNA4	8	160
KCNA7	0	0
KCNK12	0	7
KREMEN2	0	9
KRT16	10	214
LCE2A	0	0
LHX2	7	39
LPA	112	2218
MAGEA2	8	110
MAST1	1	4
MMP13	27	638
MNX1	0	56
MYEOV	1	21
NGB	1	28
NKAIN3	0	0
NKX3-2	0	19
NKX6-1	0	76
NOS1	107	1906
NPBWR1	1	5
NPY5R	0	3
NR2E1	2	97
NXPH1	0	5
ONECUT2	4	86
OPRD1	0	11

OR10A3	0	1
OR2B11	0	1
OR2W3	0	1
OR5P2	0	0
OR5P3	0	0
OR6K3	0	0
OR6N1	0	1
OTX1	1	20
OTX2	3	63
OVCH1	0	1
OVCH2	0	0
OXT	38	612
PAX7	6	182
PGLYRP1	1	53
PHOX2A	3	27
PITX1	140	2038
PITX2	218	4096
PNPLA5	0	2
POU4F1	3	59
PPAPDC1A	0	5
PRKCG	1	53
PRSS1	1	148
PTPRH	2	27
RASGEF1C	0	1
REG1A	141	3466
S100A7	9	121
SALL1	4	190
SALL3	1	17
SH3GL3	0	3
SIM1	1	19
SIRPD	0	1
SLC24A2	0	2
SLC27A6	0	0
SLC30A10	0	17
SLC4A1	4206	64265
SNTG1	1	4
SOX11	3	96
SP8	2	51
SPATA19	0	4

SPHKAP	127	604
SPRED3	0	3
SPRR3	2	20
SRY	52	561
SSTR4	1	33
ST8SIA6	1	6
STXBP5L	0	2
SYNPR	7	44
SYT14	0	0
T	6651	141645
TAF7L	0	7
TBR1	6	21
TCN1	178	2775
TERT	435	3956
TFAP2D	0	1
TLX1	0	120
TLX2	1	57
TNR	3	69
TRIM15	0	3
TRPM1	1	25
TRPM8	3	147
UCP1	6	215
VSX1	63	501
VWC2	0	1
ZIC4	4	25
ZIC5	1	10
ZPBP2	0	7

Appendix 5.8 – Literature citation in PubMed articles related to thyroid cancer.

Gene	Thyroid Cancer	cancer
AWAT2	3	474
BANF2	0	6
C1orf180	0	2
C1orf187	0	9
CSF2	22	10317
ESPN	0	4
FAM178B	0	0
FIBCD1	0	2
GPR115	0	2
HPSE2	1	61
IL2	20	12532
KCNA1	0	73
KRT15	0	86
KRT85	0	24
LIPH	3	1169
MS4A15	0	1
MUC21	0	5
MYBPH	0	4
NMU	2	356
ODAM	0	15
PLA2G2E	0	2
RNASE11	0	1
SLC39A12	0	0
SYT8	0	4
TMPRSS11F	0	0