

Annex 7 ROC curves

Annex 7.1 – Genes with AUC greater than 0.8 for breast cancer.

gene	AUC
CPA1	0.983323885
LRRC3B	0.969104308
HPSE2	0.966742252
DPP6	0.956727135
HEPN1	0.953845427
PROC	0.953656463
KCNJ16	0.947940287
CHRNA6	0.946712018
APOB	0.943972033
PRRG3	0.933201058
SLC6A2	0.933012094
GRM4	0.928807634
RXRG	0.925831444
SLC7A14	0.923658352
ADCYAP1R1	0.920068027
SLC24A2	0.916477702
C13orf36	0.91468254
LOC201651	0.913595994
PLAC1	0.913548753
GRIN2B	0.906084656
NPY2R	0.905612245
SPHKAP	0.893613001
CMTM5	0.888605442
HS3ST4	0.884212018
KCNA4	0.88303099
LOC647309	0.872165533
HPD	0.871645881
DLK1	0.870748299
FCRL4	0.864559713
TEPP	0.864465231
FRMPD4	0.86191421
CRHR2	0.860449735
PROKR1	0.854780801
C3orf50	0.854119426
MS4A15	0.846182918
WT1	0.836923658
LHX2	0.834183673
METTL11B	0.830971277
GABRA4	0.829034392
OR10A3	0.824924414
ADCY8	0.823082011
RBM46	0.818641345

MYT1	0.817318594
C17orf64	0.806878307
LOC642597	0.806642101

Annex 7.2 – CpG probes with AUC greater than 0.8 for breast cancer.

cg	AUC
cg24394172	0.984882842
cg01556466	0.978647014
cg25195987	0.976851852
cg22400015	0.974489796
cg05426601	0.965891912
cg25951981	0.96409675
cg05937737	0.963813303
cg03276000	0.963435374
cg05989672	0.963435374
cg21367256	0.961451247
cg25537669	0.960222978
cg06896909	0.958805745
cg26738880	0.95776644
cg10322419	0.957544464
cg06495961	0.956727135
cg11969108	0.956538171
cg02926033	0.956349206
cg13016237	0.956349206
cg01520122	0.95521542
cg04111071	0.955026455
cg02732252	0.952947846
cg18421840	0.951814059
cg04063166	0.950018896
cg02831668	0.949829932
cg05787556	0.949074074
cg11625005	0.948412698
cg10244666	0.948223734
cg13606025	0.947940287
cg12451099	0.947467876
cg23856293	0.947089947
cg03532926	0.9468065
cg07766263	0.945672714
cg03506489	0.945578231
cg26985798	0.945483749
cg13641903	0.945294785
cg27032232	0.944538927
cg14523847	0.943310658
cg13161658	0.940759637

cg14564076	0.940287226
cg15154229	0.940192744
cg26299169	0.93962585
cg19161124	0.938303099
cg22620221	0.938114135
cg11800608	0.937641723
cg16310003	0.936791383
cg24384519	0.936413454
cg11975608	0.935941043
cg07197831	0.935563114
cg13492692	0.934712774
cg18432768	0.933956916
cg03884018	0.933673469
cg24977541	0.933106576
cg10963664	0.932067271
cg10315366	0.931783825
cg22685409	0.931689342
cg24833464	0.931311413
cg27051318	0.931122449
cg18940047	0.930650038
cg12828073	0.930555556
cg09321400	0.930272109
cg15310492	0.930083144
cg13321077	0.929421769
cg26925231	0.929327286
cg07163547	0.928287982
cg17006281	0.928287982
cg12140543	0.927532124
cg14754787	0.927437642
cg01181150	0.927154195
cg17189167	0.926776266
cg23230830	0.926681784
cg13671841	0.926492819
cg21884231	0.926209373
cg10387551	0.925453515
cg05916059	0.924697657
cg23950788	0.924697657
cg02874376	0.924603175
cg07489048	0.924603175
cg02363969	0.924130763
cg09171565	0.924130763
cg17187764	0.924130763
cg08490115	0.924036281
cg24315710	0.923752834
cg21154627	0.923374906
cg21871080	0.923091459
cg15044957	0.922335601

cg00791406	0.922241119
cg09134205	0.922146636
cg19803052	0.921768707
cg17028067	0.921485261
cg05756220	0.921201814
cg06226384	0.920729403
cg17714025	0.920729403
cg00017489	0.919406652
cg24073950	0.919312169
cg25247290	0.919312169
cg00149708	0.919123205
cg25391023	0.91893424
cg11310812	0.918839758
cg16960593	0.917800454
cg09624858	0.916950113
cg13022402	0.916099773
cg01913196	0.916005291
cg04866380	0.91553288
cg18252309	0.913265306
cg12131208	0.912981859
cg00802855	0.912698413
cg00006081	0.912538402
cg08350288	0.912414966
cg22190437	0.912226002
cg26844246	0.912131519
cg22856114	0.911470144
cg15618646	0.911281179
cg23348723	0.910997732
cg11300568	0.910241875
cg07042729	0.908919123
cg06092815	0.908635676
cg02882755	0.908068783
cg01747222	0.907974301
cg26517171	0.907690854
cg20119106	0.907596372
cg10071275	0.90750189
cg10828337	0.907123961
cg16772207	0.907123961
cg23915487	0.907029478
cg06845853	0.906746032
cg06834698	0.906084656
cg11624728	0.905801209
cg01595325	0.904667423
cg04553632	0.90457294
cg15615793	0.90457294
cg00794881	0.904006047
cg26931862	0.903911565

cg01925883	0.903513825
cg20044918	0.903061224
cg24311564	0.903061224
cg16375358	0.90287226
cg14270857	0.902588813
cg08133584	0.902305367
cg00446413	0.902210884
cg15549927	0.901832955
cg06464008	0.901266062
cg04024799	0.900132275
cg23658462	0.899470899
cg13989810	0.898809524
cg10316270	0.898571429
cg09124223	0.897770219
cg25072962	0.897581255
cg17073891	0.897486772
cg02814558	0.896069539
cg23846114	0.895975057
cg14674582	0.895030234
cg07336617	0.894746788
cg15698171	0.894652305
cg22495124	0.894652305
cg11392848	0.893896447
cg25720804	0.893329554
cg23154497	0.892290249
cg26517714	0.892290249
cg20745419	0.891345427
cg08910550	0.891250945
cg18404374	0.890778534
cg25942450	0.890778534
cg11690979	0.890589569
cg23214840	0.890495087
cg24881420	0.890117158
cg02866152	0.889928193
cg08100618	0.889809524
cg04561937	0.889739229
cg17085688	0.88952381
cg15590532	0.8893613
cg25996557	0.889172336
cg26288719	0.888605442
cg02846790	0.88851096
cg16092786	0.887944067
cg05052324	0.88766062
cg23934819	0.887471655
cg12279877	0.88681028
cg02991338	0.886148904
cg10300684	0.885865457

cg18011916	0.885770975
cg10615414	0.885676493
cg24592546	0.885238095
cg08610862	0.885204082
cg27319123	0.884637188
cg22639011	0.883408919
cg06434470	0.882558579
cg14652095	0.882558579
cg09212014	0.882464097
cg15731296	0.881897203
cg05160181	0.881802721
cg04096767	0.881519274
cg20950167	0.881519274
cg18249173	0.881141345
cg23019936	0.881046863
cg08575722	0.880857899
cg09349530	0.880857899
cg26332560	0.880291005
cg10208367	0.879913076
cg03269050	0.879535147
cg07010687	0.879346183
cg14442421	0.879251701
cg25503804	0.879157218
cg24011260	0.878590325
cg27006650	0.878495843
cg00574563	0.878306878
cg03543319	0.878023432
cg07784084	0.878023432
cg02506908	0.877928949
cg22697187	0.877456538
cg01582980	0.877078609
cg01041256	0.876511716
cg22474464	0.876417234
cg12001304	0.876228269
cg01003961	0.875094482
cg13380622	0.874622071
cg23235241	0.874433107
cg25609301	0.874065329
cg04954680	0.87329932
cg26725397	0.873015873
cg16226642	0.872165533
cg10959353	0.872071051
cg02748047	0.871787604
cg16038120	0.871220711
cg06490225	0.871031746
cg17157462	0.871031746
cg13696490	0.870842782

cg02261899	0.87077573
cg03861633	0.870464853
cg23216015	0.870275888
cg08126203	0.870181406
cg16304215	0.870086924
cg07467482	0.869428571
cg01454519	0.868858655
cg22886575	0.868008314
cg08120263	0.867724868
cg08536961	0.867535903
cg18336674	0.867535903
cg00176740	0.867441421
cg04365202	0.866591081
cg20556988	0.866213152
cg27189087	0.86611867
cg00635343	0.86552381
cg23829024	0.865173847
cg07557260	0.865079365
cg15615022	0.864890401
cg03462380	0.864795918
cg17498296	0.86404006
cg07717704	0.863756614
cg15082028	0.863567649
cg05872306	0.863095238
cg09975620	0.862622827
cg05686467	0.862433862
cg02681442	0.86233938
cg22679813	0.861583522
cg07816556	0.861300076
cg05031352	0.861111111
cg20542822	0.860922147
cg02390209	0.860166289
cg27189967	0.859599395
cg10860802	0.859410431
cg12105691	0.859315949
cg15604615	0.858276644
cg02743222	0.85808768
cg12416080	0.857898715
cg20663376	0.857898715
cg13661323	0.85600907
cg09543255	0.855725624
cg07504127	0.854571429
cg10912240	0.853647014
cg08594218	0.853269085
cg06410537	0.852796674
cg02608452	0.852702192
cg18147278	0.852513228

cg04525757	0.852229781
cg08883223	0.852229781
cg06036912	0.851946334
cg15741433	0.849867725
cg12422154	0.849654378
cg18142856	0.849395314
cg14093715	0.849300831
cg22304522	0.848356009
cg26351479	0.848095238
cg05816193	0.84797808
cg15291243	0.847222222
cg06100368	0.846844293
cg22460204	0.846088435
cg25078444	0.845238095
cg06383709	0.843915344
cg12788108	0.842380952
cg15770754	0.84164777
cg09505145	0.841553288
cg05222924	0.839758125
cg08934846	0.839285714
cg22686881	0.839191232
cg24158160	0.838624339
cg14703002	0.838529856
cg04341210	0.837773998
cg06038358	0.837773998
cg09472467	0.837112623
cg13540960	0.837112623
cg08831002	0.835506425
cg15585183	0.835411943
cg19909787	0.834656085
cg04046669	0.834089191
cg12022102	0.833522298
cg18268488	0.83276644
cg24881205	0.830971277
cg06370771	0.830876795
cg03226000	0.829931973
cg07696099	0.829837491
cg15228617	0.82813681
cg20742415	0.828042328
cg24627900	0.82728647
cg06389252	0.826341648
cg13207345	0.826247166
cg11709896	0.823601663
cg00989961	0.823129252
cg13932450	0.823129252
cg12444328	0.822751323
cg16557178	0.819066515

cg25094569	0.819066515
cg01479664	0.818877551
cg18064631	0.81840514
cg21977377	0.817176871
cg08741898	0.81670446
cg13754259	0.816609977
cg24913868	0.815948602
cg01612158	0.815759637
cg22785561	0.81475029
cg08867825	0.813397581
cg06501084	0.812736206
cg08699646	0.8125
cg17985646	0.811413454
cg14096229	0.809334845
cg26673012	0.805933485
cg06111374	0.805650038
cg07177174	0.805461073
cg19714132	0.805461073
cg11473616	0.803854875
cg14393466	0.801333333

Annex 7.3 – Genes with AUC greater than 0.8 for colorectal cancer.

gene	AUC
BEST4	1
CADM2	1
CADM3	1
ELANE	1
NRXN1	1
PCSK2	1
PLP1	1
SEMA3E	1
BAI3	0.999118166
ENPP6	0.999118166
FAM135B	0.999118166
KIAA2022	0.999118166
PHOX2B	0.999118166
PRPH	0.999118166
VSTM2A	0.999118166
BMP3	0.998236332
CPEB1	0.998236332
PRIMA1	0.997354497
SGCG	0.997354497
SLC16A12	0.997354497
TMEFF2	0.997354497
GRHL3	0.996472663
C2orf40	0.995590829
GFRA3	0.995590829
RSPO2	0.995590829
XKR4	0.995590829
BEX1	0.994708995
SLC30A10	0.994708995
WNT2	0.994708995
LHFPL4	0.99382716
SORCS1	0.99382716
SST	0.99382716
STRA6	0.99382716
HMGCLL1	0.992945326
HPSE2	0.992945326
MYOT	0.992945326
MGAT4C	0.991181658
GRIA3	0.991181658
NPY	0.991181658
SYT4	0.991181658
CTNND2	0.990299824
LOC284276	0.990299824
NEFL	0.990299824

PTPRZ1	0.990299824
RASGEF1C	0.990299824
SLC6A15	0.990299824
SLC7A14	0.990299824
WNT7B	0.990299824
ASTN1	0.989417989
CMA1	0.989417989
SLC27A6	0.988536155
ULBP1	0.988536155
CNTFR	0.987654321
DPP6	0.987654321
ATCAY	0.986772487
INA	0.986772487
NLGN1	0.986772487
SYT9	0.986772487
C6orf186	0.985890653
CDH19	0.984126984
KIF1A	0.984126984
LRRC3B	0.98324515
SALL4	0.98324515
ANKS1B	0.982363316
CNTN2	0.982363316
PCDH10	0.982363316
SCG3	0.982363316
SLCO4C1	0.982363316
CRHBP	0.981481481
RIMS4	0.981481481
DMRTA1	0.980599647
GRIN2A	0.980599647
LRAT	0.980599647
CNGA3	0.979717813
SYT10	0.979717813
COL11A1	0.978835979
CNTN1	0.977954145
SLC5A7	0.977954145
TAT	0.97707231
FAM5C	0.976190476
GPM6A	0.976190476
ST8SIA3	0.976190476
OTX1	0.974867725
LMX1A	0.974426808
B3GALT1	0.973544974
ELAVL4	0.973544974
SLC6A19	0.973544974
SLITRK2	0.973544974
CD300LG	0.972663139
CALY	0.970899471

GABRG1	0.970017637
ADRB3	0.969135802
DNER	0.969135802
KCNK2	0.969135802
RIC3	0.968253968
TPH1	0.968253968
CTNNA3	0.967372134
NPY2R	0.967372134
PLCXD3	0.967372134
SLITRK4	0.967372134
AGTR1	0.9664903
ELAVL3	0.9664903
NEFM	0.965608466
SEZ6L	0.964726631
UNC5D	0.964726631
ALK	0.963844797
CA10	0.963844797
DSCAML1	0.963844797
MAS1L	0.962081129
DIRC3	0.961199295
LONRF2	0.96031746
PIK3C2G	0.959435626
EPHA6	0.958553792
LOC389493	0.958553792
SNTG2	0.958553792
NRSN1	0.956790123
IGSF11	0.955908289
NPAS4	0.955026455
MAPK4	0.954144621
WDR17	0.953262787
SORCS3	0.951499118
STAC2	0.951499118
FRMPD4	0.94973545
SPOCK3	0.948853616
PKD1L2	0.947971781
CIDEA	0.947530864
ADAMTS19	0.947089947
PRRG3	0.945326279
CDH22	0.944444444
KCNS2	0.942680776
PPP1R1A	0.941798942
PLD5	0.940917108
C6orf155	0.940035273
FMN2	0.940035273
SNX32	0.940035273
RALYL	0.938712522
C1orf173	0.937389771

HCN4	0.936507937
CRABP1	0.933862434
C13orf36	0.932539683
GAD1	0.932539683
LOC286467	0.932098765
NEUROD1	0.932098765
EPHA5	0.931216931
SLC35F3	0.931216931
TG	0.930335097
NTNG1	0.928571429
VWC2	0.928571429
ELMOD1	0.927689594
C9orf4	0.92680776
IL5RA	0.92680776
RGS22	0.92680776
CHST8	0.924162257
FGF10	0.921516755
GSDMC	0.921516755
CHRM2	0.920634921
TCN1	0.920634921
CNKSR2	0.919753086
OR2L13	0.918871252
KRT23	0.917107584
MYT1L	0.917107584
PCP4L1	0.914462081
STXBP5L	0.914462081
SVOPL	0.914021164
ZNF492	0.913580247
KCNA1	0.911816578
ASPG	0.910934744
PRHOXNB	0.909611993
CLVS2	0.909171076
NRG3	0.909171076
SIX1	0.909171076
DLGAP2	0.908730159
ZNF727	0.908289242
GP2	0.907407407
LY6G6E	0.904761905
RIMS2	0.904761905
KCNIP1	0.903880071
IRX5	0.902998236
HMX3	0.902116402
DACH2	0.900793651
FEZF1	0.900352734
ADCYAP1R1	0.899911817
CACNG7	0.898589065
SPERT	0.898589065

DPP10	0.896825397
SFTPD	0.895943563
CPNE4	0.894179894
OR2W3	0.894179894
LOC84931	0.89329806
GBX2	0.892416226
SPAG6	0.891534392
DUSP5P	0.883597884
CST2	0.883597884
TNNI3	0.882275132
SCNN1G	0.881834215
NANOS3	0.880952381
NPY5R	0.880952381
RORB	0.880952381
SLC6A2	0.880070547
PRRT4	0.87962963
NOS1	0.878747795
LPO	0.878306878
IBSP	0.875661376
CPA4	0.873015873
ZIC5	0.873015873
GPR26	0.872134039
PAK7	0.869047619
TAS2R38	0.868606702
PENK	0.865079365
SOX14	0.863315697
NPFFR1	0.86287478
NCAN	0.860229277
HRK	0.858465608
PCDH8	0.858024691
SLC5A8	0.856261023
GRIA2	0.855379189
MCHR2	0.855379189
SAA4	0.852733686
C13orf38	0.846119929
C9orf79	0.838183422
PAX4	0.838183422
COL29A1	0.837742504
SOHLH2	0.83686067
OPRM1	0.833333333
ZIC1	0.833333333
TEX101	0.828042328
FGF19	0.827160494
LECT1	0.827160494
SH3GL3	0.827160494
SLC26A9	0.827160494
PGC	0.825396825

PAEP	0.818342152
LHFPL1	0.817460317
HABP2	0.8170194
KCNQ2	0.810405644
ZNF280A	0.805996473
CHST4	0.80335097
LY6G6D	0.800705467

Annex 7.4 – CpG probes with AUC greater than 0.8 for colorectal cancer.

gene	AUC
cg03064067	1
cg06668555	1
cg07418387	1
cg07697895	1
cg08104310	1
cg08422599	1
cg09044294	1
cg10288278	1
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cg16974909	0.875661
cg17053060	0.87478
cg17076890	0.873898
cg22827685	0.873016
cg04341210	0.872134
cg07707546	0.872134
cg07934818	0.872134

cg09792881	0.872134
cg02814558	0.871252
cg08351163	0.871252
cg16896847	0.871252
cg16909685	0.871252
cg20270231	0.871252
cg05211662	0.87037
cg21581821	0.87037
cg23093692	0.87037
cg10034890	0.869489
cg15890274	0.869489
cg17985646	0.869489
cg08876441	0.869444
cg02893231	0.868607
cg07283833	0.868607
cg08000644	0.868607
cg13708218	0.867725
cg16624692	0.867725
cg20507276	0.867725
cg22506490	0.867725
cg01614101	0.866843
cg20014049	0.866843
cg07369190	0.865961
cg10775792	0.865961
cg13128117	0.865961
cg27223727	0.865961
cg01558909	0.865079
cg20965743	0.865079
cg12545687	0.864198
cg20947377	0.864198
cg21543102	0.864198
cg13387869	0.864198
cg22288982	0.863316
cg20189913	0.862434
cg10778441	0.86067
cg15753746	0.86067
cg11333886	0.859788
cg14730445	0.859788
cg07412254	0.858907
cg11697588	0.858907
cg25217100	0.858907
cg02117416	0.858025
cg03748376	0.858025
cg17647537	0.858025
cg17739202	0.858025
cg03926852	0.857143
cg18759960	0.857143

cg20103758	0.857143
cg04961466	0.856261
cg15031661	0.856261
cg19255241	0.856227
cg26699569	0.855379
cg27326452	0.855379
cg00949386	0.854497
cg17853635	0.854497
cg23511432	0.854497
cg14725537	0.853616
cg05710753	0.852734
cg19094243	0.852734
cg05989672	0.851852
cg09233651	0.851852
cg11438428	0.851852
cg05535113	0.85097
cg04046889	0.850088
cg04645545	0.850088
cg08959216	0.848325
cg11198128	0.848325
cg01821113	0.847443
cg14316898	0.847443
cg25033144	0.847443
cg24728018	0.846561
cg26647242	0.846561
cg03386971	0.845679
cg20976526	0.845679
cg08181476	0.843915
cg16245265	0.843915
cg26565719	0.843915
cg06400704	0.843034
cg17243896	0.842152
cg18838701	0.842152
cg03520644	0.84127
cg17012160	0.838624
cg02748047	0.837743
cg15748490	0.837743
cg04886703	0.836861
cg26297493	0.836861
cg01002253	0.835979
cg04621020	0.835097
cg17623116	0.835097
cg03991534	0.834215
cg24365464	0.834215
cg01176516	0.833333
cg04633600	0.833333
cg25691526	0.833333

cg26070020	0.833333
cg21283867	0.832451
cg20133890	0.83157
cg03903246	0.830688
cg09317884	0.830688
cg16584573	0.830688
cg22149516	0.830688
cg08637905	0.828924
cg14075424	0.828924
cg22090773	0.828924
cg01245880	0.82716
cg09184853	0.82716
cg11843728	0.82716
cg18458597	0.82716
cg04649215	0.826279
cg21748223	0.825397
cg23217946	0.825397
cg16248277	0.822751
cg20403031	0.820106
cg07781364	0.819224
cg24433477	0.818342
cg00887153	0.816578
cg11267955	0.816578
cg01965173	0.815697
cg03752965	0.815697
cg04048634	0.815697
cg15604615	0.815697
cg26251506	0.815697
cg16562730	0.814815
cg04945331	0.813051
cg09376854	0.813051
cg11970703	0.813051
cg16158843	0.813051
cg16809460	0.813051
cg19788741	0.813051
cg03073000	0.812169
cg19428722	0.812169
cg22509138	0.811287
cg25530944	0.811287
cg02179341	0.810406
cg09781827	0.809524
cg03520282	0.80776
cg01403246	0.805996
cg02645340	0.805996
cg17330459	0.805996
cg07150062	0.805115
cg25208017	0.805115

cg06598197	0.803351
cg10784511	0.803351
cg06480736	0.800705
cg11912330	0.800705
cg18720642	0.800705

Annex 7.5 – Genes with AUC greater than 0.8 for head and neck cancer.

gene	AUC
ABCC8	0.8
ADCY8	0.861111
ADH1B	0.955556
BMP3	0.931481
C10orf90	0.817593
C10orf93	0.909259
C1orf173	0.847222
C20orf141	0.878704
C6	0.92963
CA10	0.837037
CDH12	0.857407
CHRM1	0.82963
CNGB3	0.834259
CPNE4	0.903704
CSN2	0.816667
DLK1	0.861111
DPCR1	0.857407
DSCAM	0.831481
EPHA6	0.946296
FOXI2	0.977778
GABRA4	0.898148
GBX2	0.9
GPR144	0.892593
GRIK3	0.898148
GRM7	0.842593
HCN1	0.818519
HMGCLL1	0.866667
HOTAIR	0.905556
HOXB9	0.911111
HOXC11	0.972222
HOXC9	0.931481
HOXD13	0.87037
IGF2BP1	0.888889
IL24	0.938889
KCNC2	0.827778
LHFPL1	0.933333
LHX1	0.966667
LHX5	0.85
LHX9	0.842593
LMX1A	0.855556
MGC16121	0.901852
NPY	0.830556
NRG3	0.856481

PACRG	0.946296
RBP4	0.959259
RGS7BP	0.881481
SHISA9	0.903704
SLC5A8	0.903704
SLC7A14	0.831481
SOST	0.855556
TRPM3	0.873148
UGT3A1	0.825926
UNC13C	0.927778
VAX1	0.811111
WIF1	0.968519
ZIC5	0.922222
ZNF536	0.825926

Annex 7.6 – CpG probes with AUC greater than 0.8 for head and neck cancer.

CpG	AUC
cg11940285	0.994444
cg18040901	0.994444
cg02700891	0.992593
cg16638385	0.992593
cg04008252	0.990741
cg10641615	0.987037
cg16006349	0.987037
cg12057127	0.97963
cg06563089	0.975926
cg01882260	0.974074
cg05516489	0.974074
cg12815918	0.974074
cg16515477	0.974074
cg25063515	0.974074
cg26299169	0.974074
cg10819004	0.972222
cg14691529	0.972222
cg17573720	0.972222
cg23245942	0.972222
cg04077800	0.97037
cg10418524	0.97037
cg22679316	0.968519
cg07103093	0.968519
cg11213520	0.968519
cg09975620	0.966667

cg21171320	0.966667
cg22520372	0.966667
cg26070020	0.966667
cg06579154	0.964815
cg03753331	0.962963
cg17689601	0.962963
cg19513834	0.962963
cg21678377	0.962963
cg24977541	0.962963
cg00079219	0.961111
cg06834689	0.961111
cg07203423	0.961111
cg11009001	0.961111
cg16149574	0.961111
cg17495130	0.961111
cg20535254	0.961111
cg21575295	0.961111
cg04075191	0.959259
cg05667379	0.959259
cg10401879	0.959259
cg14730445	0.959259
cg21884231	0.959259
cg01022087	0.957407
cg03120091	0.957407
cg04315554	0.957407
cg04354077	0.957407
cg06106653	0.957407
cg08482501	0.957407
cg09681167	0.957407
cg14612870	0.957407
cg19656282	0.957407
cg00003298	0.955556
cg08325191	0.955556
cg11360416	0.955556
cg14033273	0.955556
cg15731655	0.955556
cg16696270	0.955556
cg21154627	0.955556
cg25578773	0.955556
cg03222834	0.953704
cg08536228	0.953704
cg12416080	0.953704
cg17381377	0.953704
cg18273840	0.953704
cg26332560	0.953704
cg00089091	0.951852
cg00586732	0.951852

cg07369569	0.951852
cg15175266	0.951852
cg23559689	0.951852
cg26035689	0.951852
cg26351229	0.951852
cg01718116	0.95
cg03465157	0.95
cg04617755	0.95
cg06162589	0.95
cg07312654	0.95
cg09205438	0.95
cg19139832	0.95
cg19672997	0.95
cg21945989	0.95
cg00778995	0.948148
cg01151966	0.948148
cg05937737	0.948148
cg06498267	0.948148
cg11328436	0.948148
cg16260421	0.948148
cg16767916	0.948148
cg18771173	0.948148
cg19897071	0.948148
cg20631104	0.948148
cg09102610	0.946296
cg10010103	0.946296
cg19635505	0.946296
cg19760241	0.946296
cg21711132	0.946296
cg23317501	0.946296
cg26896918	0.946296
cg02598319	0.944444
cg03024760	0.944444
cg05311412	0.944444
cg05663573	0.944444
cg07784084	0.944444
cg17769229	0.944444
cg19969606	0.944444
cg22512438	0.944444
cg24394172	0.944444
cg02281208	0.942593
cg02595832	0.942593
cg03701341	0.942593
cg07766263	0.942593
cg07918545	0.942593
cg26522340	0.942593
cg04529370	0.940741

cg15594205	0.940741
cg15990724	0.940741
cg17505819	0.940741
cg19714279	0.940741
cg22060073	0.940741
cg27114120	0.940741
cg01898698	0.938889
cg02227188	0.938889
cg03804213	0.938889
cg10223575	0.938889
cg11701372	0.938889
cg12573849	0.938889
cg13540960	0.938889
cg20936920	0.938889
cg25039722	0.938889
cg26164184	0.938889
cg01622385	0.937037
cg05539745	0.937037
cg08182446	0.937037
cg15603568	0.937037
cg27553667	0.937037
cg02583418	0.935185
cg07557260	0.935185
cg08274073	0.935185
cg08445263	0.935185
cg11027140	0.935185
cg12666279	0.935185
cg15056773	0.935185
cg21048930	0.935185
cg22670147	0.935185
cg01245966	0.933333
cg09297288	0.933333
cg11624728	0.933333
cg23980760	0.933333
cg07524679	0.931481
cg12614105	0.931481
cg19385628	0.931481
cg22095604	0.931481
cg04259977	0.92963
cg07076175	0.92963
cg12238015	0.92963
cg24157814	0.92963
cg04510788	0.927778
cg06757810	0.927778
cg07802350	0.927778
cg17210837	0.927778
cg18856581	0.927778

cg18950108	0.927778
cg26115633	0.927778
cg05229355	0.925926
cg06530558	0.925926
cg13394110	0.925926
cg22785561	0.925926
cg25724842	0.925926
cg02069715	0.924074
cg02842496	0.924074
cg05506365	0.924074
cg05678749	0.924074
cg06796611	0.924074
cg14856914	0.924074
cg19884262	0.924074
cg25745697	0.924074
cg11545923	0.922222
cg12431689	0.922222
cg18097532	0.922222
cg18824990	0.922222
cg23430388	0.922222
cg24025893	0.922222
cg04139895	0.92037
cg10143067	0.92037
cg13929328	0.92037
cg25147632	0.92037
cg07990546	0.918519
cg08857479	0.918519
cg09543255	0.918519
cg16001323	0.918519
cg18863595	0.918519
cg22762091	0.918519
cg25209672	0.918519
cg02071162	0.916667
cg09907509	0.916667
cg17892178	0.916667
cg20646280	0.916667
cg00458965	0.914815
cg00735885	0.914815
cg05316043	0.914815
cg06418867	0.914815
cg06639332	0.914815
cg07421032	0.914815
cg08217024	0.914815
cg13672800	0.914815
cg24472231	0.914815
cg01878345	0.912963
cg03827337	0.912963

cg06611922	0.912963
cg10982443	0.912963
cg00745725	0.911111
cg16415870	0.911111
cg00466268	0.909259
cg16417028	0.909259
cg04386206	0.907407
cg11651237	0.907407
cg14240300	0.907407
cg20291049	0.907407
cg26783057	0.907407
cg09442654	0.905556
cg10141715	0.905556
cg10679688	0.905556
cg21185289	0.905556
cg15593298	0.903704
cg22126211	0.903704
cg23291301	0.903704
cg23951190	0.903704
cg17519477	0.901852
cg11586330	0.9
cg00796424	0.894444
cg12907379	0.894444
cg13272644	0.894444
cg16232126	0.894444
cg17078686	0.894444
cg01002253	0.892593
cg03860037	0.892593
cg05387519	0.892593
cg10782668	0.892593
cg13279700	0.892593
cg26001902	0.892593
cg11355135	0.890741
cg24846807	0.890741
cg01942962	0.887037
cg03509412	0.887037
cg04023483	0.887037
cg10094616	0.887037
cg26978976	0.887037
cg23962250	0.885185
cg00665492	0.883333
cg00721315	0.883333
cg04481181	0.883333
cg11410023	0.877778
cg18774195	0.877778
cg19112977	0.875926
cg24500832	0.875926

cg05759718	0.868519
cg06661450	0.868519
cg24566400	0.866667
cg20073686	0.864815
cg26397188	0.864815
cg19876672	0.861111
cg21383810	0.861111
cg24166864	0.859259
cg02100674	0.857407
cg12294121	0.857407
cg13619915	0.857407
cg21834207	0.857407
cg21217024	0.855556
cg19427610	0.85
cg08333835	0.848148
cg16043651	0.848148
cg11591636	0.844444
cg14615336	0.838889
cg02621694	0.835185
cg09935282	0.833333
cg26733786	0.833333
cg07075026	0.818519
cg22031964	0.812963
cg25456468	0.812963
cg05954446	0.808889
cg07913294	0.805556

Annex 7.7 – Genes with AUC greater than 0.8 for kidney_R cancer.

gene	AUC
ABCA4	1
AQP2	1
ELF5	0.998387
ADH1C	0.997581
A2BP1	0.996679
RANBP3L	0.996505
PVT1	0.996237
CLDN19	0.995968
ESRRB	0.995968
KCNJ1	0.995699
GGT6	0.995161
KCNE1	0.995161
OVCH2	0.994892
TFAP2B	0.994892
FXJD4	0.994355
IRX1	0.994355
TRPV6	0.994355
B4GALNT2	0.994086
ROS1	0.993548
GPR110	0.99328
CLCNKA	0.992204
EHF	0.991129
FATE1	0.991129
TAGLN3	0.99086
VGLL1	0.990054
CLDN8	0.989516
SIAH3	0.989516
EPN3	0.987903
FLJ42875	0.987097
DEFB132	0.985215
HEPACAM2	0.985215
CA10	0.98414
NDST3	0.983871
NAT8L	0.983333
LYPD6B	0.98172
UMODL1	0.981183
PLA2G4F	0.980914
ANKRD2	0.980645
BSND	0.980376
GRM1	0.980108
GAL3ST3	0.979839
NEIL3	0.979704
EMID2	0.97957
NR0B2	0.977957

C20orf151	0.976882
FAM184B	0.976882
FOXI1	0.976613
GRHL2	0.976613
MYO3B	0.976613
CLDN16	0.975806
GABRA2	0.975538
Mar-10	0.974462
C5orf38	0.972849
LSAMP	0.972849
CA9	0.972312
TP73	0.972043
DGCR10	0.971505
TMPRSS4	0.970161
RAB25	0.969624
TMEM61	0.969086
C11orf16	0.968817
PRSS22	0.968817
C14orf50	0.967473
ATP4B	0.965323
SFTA1P	0.965054
TDGF3	0.964785
FBN3	0.964247
ESRP1	0.963441
BMP7	0.962903
CAPN8	0.962903
MAP3K15	0.961828
TNFAIP6	0.961828
CLNK	0.961559
OVOL2	0.96129
UNC13C	0.961022
OLFM3	0.960753
C4orf6	0.960484
WNT7B	0.960215
DPP10	0.958871
PPP1R1B	0.957258
VSIG1	0.956183
MYEOV	0.954839
LOC100131551	0.954301
SVOPL	0.952151
MAPK4	0.950538
S100Z	0.950538
TNFSF14	0.949328
S100A5	0.949194
BIRC7	0.947581
FGFBP1	0.945968
LHX1	0.944892

VWA3B	0.942742
UBASH3A	0.942204
C1orf127	0.941263
BCAS1	0.94086
ATP10B	0.940323
TFAP2C	0.939247
TNNI2	0.939247
OLFM4	0.937634
PHF21B	0.933871
DUSP5P	0.932527
RXFP4	0.929301
UNC5A	0.928226
KCNA1	0.926344
TH	0.921505
LILRA4	0.92043
SPERT	0.91828
RAB3B	0.914247
BTBD16	0.91371
RPSAP52	0.910484
SLC7A14	0.909812
IL20RA	0.908602
SLC17A2	0.905914
CLCN1	0.904839
LGR5	0.904839
RUFY4	0.899194
CKMT1A	0.896505
XKR4	0.896237
KCNA4	0.89543
PADI1	0.893952
CALB1	0.89328
CTNNA2	0.890591
TMPRSS12	0.888441
ST8SIA2	0.887903
DLX2	0.881989
SEMA3E	0.879839
TNIP3	0.878629
HES5	0.876882
UNC93A	0.875806
C10orf71	0.872177
WFDC12	0.872177
CHRNA6	0.871371
C10orf99	0.861022
LOC285796	0.858602
CD5L	0.851613
LGALS12	0.851344
REG1A	0.840323
RNASE3	0.833602

TGM7	0.833602
ZIC3	0.829839
CCDC33	0.81129
AKNAD1	0.801882

Annex 7.8 – CpG probes with AUC greater than 0.8 for kidney_R cancer.

cg	AUC
cg00093087	0.998925
cg00780520	0.99328
cg12691739	0.991667
cg20678353	0.988172
cg04204669	0.987634
cg18677603	0.986828
cg25538883	0.986828
cg01942558	0.986022
cg02924487	0.985753
cg09443388	0.984946
cg12311175	0.984409
cg11183156	0.981989
cg00373436	0.980914
cg03441713	0.980914
cg07141504	0.979032
cg14605590	0.978226
cg20610181	0.978226
cg06950942	0.977419
cg27376024	0.976613
cg05014103	0.976613
cg13439241	0.976613
cg03211864	0.976344
cg26405835	0.976075
cg17140222	0.975806
cg19406511	0.975806
cg00458681	0.975671
cg04556646	0.975538
cg18390495	0.975269
cg12221689	0.974194
cg18335796	0.972043
cg05158615	0.971237
cg24580782	0.970968
cg08759026	0.970161
cg07269374	0.969892
cg10888337	0.969892
cg02570298	0.968817

cg04511534	0.968548
cg19580810	0.968548
cg14845020	0.967473
cg01173650	0.967204
cg17804348	0.966935
cg18507053	0.966935
cg04350627	0.966831
cg06621027	0.966129
cg01917716	0.96586
cg04063166	0.965591
cg23111544	0.965368
cg07167594	0.965054
cg04670857	0.964785
cg03761113	0.964516
cg20971488	0.964247
cg19802477	0.963978
cg20371378	0.96371
cg22923895	0.96371
cg22383924	0.963441
cg15994604	0.963172
cg06986734	0.962903
cg17471939	0.962903
cg20363347	0.962634
cg19862235	0.962097
cg10821830	0.961022
cg10055471	0.960753
cg02544502	0.960484
cg14524955	0.960215
cg12792363	0.959409
cg27080171	0.958871
cg08119452	0.958602
cg12737536	0.958065
cg13271963	0.956183
cg23160016	0.956169
cg24215459	0.955645
cg20765441	0.955376
cg16804165	0.955357
cg02100150	0.955108
cg06162324	0.954839
cg17565967	0.954839
cg06530558	0.95457
cg21869609	0.954301
cg05295584	0.954032
cg18106668	0.954032
cg06650260	0.953763
cg01525538	0.953226
cg13290149	0.953226

cg02537838	0.952688
cg13563074	0.952688
cg10864979	0.951613
cg22889914	0.950806
cg21962316	0.950269
cg05067125	0.95
cg02950892	0.949731
cg05280762	0.949731
cg26055950	0.949731
cg08642731	0.949722
cg16791528	0.949462
cg26511075	0.949194
cg21870145	0.948118
cg17976205	0.947849
cg24163360	0.947619
cg08842032	0.947581
cg18285377	0.947581
cg21126506	0.946505
cg15819225	0.946237
cg03762549	0.945699
cg20054157	0.945161
cg05437823	0.944892
cg24242823	0.944892
cg03095982	0.944624
cg07795964	0.944355
cg04484550	0.944086
cg09727050	0.944086
cg24935217	0.943817
cg09370594	0.943548
cg15929698	0.943548
cg27109461	0.94328
cg01020475	0.942742
cg07899060	0.942204
cg09243900	0.942204
cg02483661	0.941667
cg16964348	0.941667
cg12924654	0.941398
cg05937737	0.94086
cg20928429	0.94086
cg22669120	0.940591
cg13065504	0.940323
cg08390979	0.940054
cg27497928	0.939785
cg15154339	0.939516
cg25503804	0.939247
cg25884711	0.93871
cg04592706	0.938172

cg10958362	0.938172
cg04052038	0.936559
cg10343327	0.936559
cg23682609	0.936559
cg06427867	0.936022
cg01050885	0.935215
cg21217846	0.934409
cg14666108	0.93414
cg08823182	0.933871
cg24570211	0.933871
cg00689360	0.933602
cg14622443	0.933602
cg12982543	0.932796
cg09232937	0.932258
cg09682183	0.93172
cg07906724	0.931452
cg03267220	0.931183
cg16863522	0.931183
cg03481855	0.930108
cg06429466	0.930108
cg23075139	0.930108
cg22863889	0.929839
cg15679829	0.92957
cg15896939	0.929032
cg23657388	0.929032
cg10917153	0.928763
cg13267718	0.928495
cg04233230	0.928226
cg12614105	0.927419
cg00865429	0.926613
cg09074856	0.926344
cg07638689	0.925538
cg11984608	0.925538
cg02786912	0.925269
cg24245418	0.925269
cg14481339	0.925
cg03256938	0.924731
cg09842118	0.924462
cg01514538	0.923656
cg03415545	0.923656
cg25214914	0.923656
cg03478199	0.922581
cg06680065	0.922581
cg04697148	0.922312
cg13540480	0.922312
cg27300950	0.921774
cg01020079	0.921505

cg08867825	0.921505
cg11475550	0.921237
cg16732787	0.921237
cg00812246	0.920968
cg24393673	0.920968
cg21097881	0.920699
cg21284779	0.920161
cg17153727	0.919355
cg18565355	0.919355
cg02839195	0.919086
cg13578652	0.918817
cg27051318	0.918817
cg10690747	0.918011
cg22162435	0.917473
cg10899768	0.916398
cg14470998	0.915584
cg24885417	0.915323
cg13675753	0.914785
cg13929970	0.914785
cg08568550	0.914516
cg03359095	0.914247
cg20485165	0.913978
cg21766898	0.91371
cg15119640	0.913441
cg14021961	0.912634
cg06186790	0.909946
cg06154311	0.90914
cg06689180	0.908602
cg09060908	0.908602
cg26946769	0.908065
cg09662034	0.906989
cg15066337	0.905376
cg22957898	0.904839
cg26629942	0.904839
cg10332649	0.90457
cg17616677	0.904331
cg15567182	0.904301
cg25116503	0.904301
cg00355281	0.904032
cg11172423	0.904032
cg06178310	0.903763
cg16762386	0.903763
cg18185648	0.903763
cg16231917	0.903495
cg00155310	0.903226
cg11945297	0.902957
cg15429888	0.902957

cg10362335	0.902419
cg27261219	0.900806
cg14022090	0.900269
cg16454426	0.900269
cg01394349	0.899731
cg18258482	0.897849
cg18560551	0.897312
cg06653004	0.896237
cg14895298	0.895968
cg26350373	0.895968
cg27056194	0.895699
cg13629358	0.895161
cg19760241	0.895161
cg24161652	0.893817
cg08403419	0.89328
cg04538585	0.892204
cg13614409	0.891129
cg09486642	0.89086
cg01942646	0.890591
cg07798731	0.890591
cg19432362	0.890591
cg19303187	0.890323
cg01380946	0.890054
cg21422742	0.888441
cg17163168	0.887634
cg10775039	0.887366
cg25063515	0.887097
cg01952226	0.885753
cg11552829	0.885753
cg16752583	0.885753
cg07696006	0.885215
cg20955836	0.884409
cg25649889	0.884409
cg24822127	0.883602
cg11625005	0.883333
cg19808620	0.883065
cg21504505	0.882527
cg18414381	0.880914
cg27129048	0.880645
cg17684207	0.880108
cg08560074	0.878763
cg21229979	0.878495
cg02079584	0.877151
cg19026320	0.877151
cg10683527	0.874731
cg16963138	0.872581
cg14269301	0.871237

cg01189638	0.870968
cg10530883	0.87043
cg05375002	0.867965
cg16661744	0.866935
cg08927738	0.866285
cg01519063	0.866129
cg01922613	0.863978
cg07045089	0.863636
cg00525383	0.863172
cg15169829	0.861022
cg08525145	0.860215
cg05503887	0.85914
cg01708344	0.857527
cg15638705	0.856183
cg24318032	0.855376
cg27655935	0.855108
cg10896586	0.854032
cg16010178	0.852151
cg14591667	0.838441
cg04367216	0.836022
cg22934939	0.832258
cg25226247	0.82957
cg22235258	0.828226
cg26864905	0.824194
cg06915321	0.823925
cg05897163	0.817742
cg26582789	0.811022
cg16268165	0.804301

Annex 7.9 – Genes with AUC greater than 0.8 for kidney cancer.

gene	AUC
RASL11B	1
ABCA4	0.99945
WIT1	0.996355
AQP2	0.996095
CGA	0.995834
KCNE1	0.994793
HRG	0.994533
SLC4A9	0.994272
WT1	0.994272
F11	0.994012
C1orf64	0.993752
SIAH3	0.989326
TNNT2	0.989326
C16orf11	0.986722
PI16	0.986722
CLDN8	0.986462
ELF5	0.98542
PRDM16	0.983077
BSND	0.982817
MCCD1	0.982817
CAMK2A	0.981255
GATA5	0.981255
NXPH2	0.980995
ADH1C	0.980734
FXD4	0.979693
DGKI	0.979432
KCNJ1	0.978912
CHRM3	0.976829
PLA2G3	0.974225
CPNE6	0.971231
SLC22A8	0.970581
TTC36	0.969539
C1orf168	0.969279
CASQ2	0.969018
STRA6	0.964593
PROZ	0.964332
G6PC	0.964072
NR0B2	0.964072
FAM3B	0.96303
C6orf223	0.96277
PSORS1C1	0.960948
CALML3	0.960167
LHX1	0.959125
RXRG	0.959125

MYOCD	0.958865
LMX1B	0.958605
FSTL4	0.958344
MNX1	0.957042
EBF2	0.95548
TTR	0.95522
RGS17	0.954829
RIMBP2	0.954699
BMP5	0.954048
MMP20	0.952226
UCN	0.951315
C20orf151	0.950794
FXYD3	0.946889
TFAP2A	0.945847
PXDNL	0.942984
GRHL2	0.939078
LOC100132354	0.936605
PEBP4	0.936215
HTRA4	0.932179
C21orf29	0.926191
DOC2A	0.92554
APOH	0.924238
SLC5A11	0.921114
MUC12	0.920463
GABRR1	0.919682
DNAJC5B	0.913564
MAT1A	0.910961
PYY	0.903411
FBXO40	0.894689
LOC153910	0.881021
SCEL	0.879458
TRPM8	0.876595
SLC9A10	0.867482
DUSP5P	0.852122
HCRTR1	0.850039
C4orf26	0.847175
HRK	0.833767
FLJ32063	0.832075
CDKN2BAS	0.830122
TMEM145	0.829732
PKD2L1	0.819058
GCKR	0.808904
C10orf50	0.804999
CLEC3A	0.804869

Annex 7.10 – CpG probes with AUC greater than 0.8 for kidney_P cancer.

cg	AUC
cg16146033	0.999479302
cg22731981	0.981254882
cg00093087	0.979432439
cg05530472	0.977956989
cg04592706	0.97474616
cg10974219	0.969278834
cg11736657	0.968237438
cg24831879	0.967977089
cg17972491	0.967117117
cg08382534	0.966212677
cg10126372	0.964071856
cg12728032	0.963811507
cg16806210	0.961989065
cg22162435	0.961989065
cg13808979	0.961728716
cg09802818	0.961208019
cg02952295	0.960426972
cg06136702	0.960426972
cg13492337	0.959906274
cg26129339	0.959906274
cg25883348	0.959385577
cg26433444	0.958344181
cg02147126	0.957302786
cg06650260	0.956782088
cg08622198	0.954699297
cg24946253	0.954178599
cg21348173	0.95391825
cg23311800	0.95391825
cg16510654	0.952616506
cg20480642	0.951575111
cg19706803	0.951054413
cg00293644	0.950794064
cg24873695	0.950273366
cg02241986	0.948711273
cg00965643	0.948450924
cg02097420	0.947930227
cg25322094	0.946888831
cg14928319	0.946107784
cg00144673	0.945587087
cg22653915	0.943243947
cg14483391	0.942723249
cg14663914	0.941942203
cg02090805	0.941681854
cg22822446	0.941421505

cg15357022	0.940640458
cg16789230	0.939338714
cg20688289	0.939078365
cg13998850	0.937516272
cg09728865	0.937448219
cg03449456	0.937255923
cg10752406	0.937255923
cg16697620	0.937255923
cg00831237	0.935173132
cg09990962	0.935173132
cg07493760	0.934912783
cg08457421	0.934652434
cg18120259	0.934131737
cg09075137	0.933090341
cg02704949	0.932569643
cg07913197	0.931528248
cg19760241	0.931528248
cg06162324	0.930747201
cg03415545	0.929966155
cg01847344	0.929705806
cg16762386	0.929705806
cg00498289	0.927883364
cg17598552	0.927362666
cg27109600	0.927102317
cg12650635	0.926581619
cg22324567	0.926321271
cg03180302	0.926060922
cg16798252	0.925800573
cg23246703	0.925800573
cg02159996	0.925279875
cg24688655	0.925279875
cg07749074	0.925019526
cg10273615	0.925019526
cg15046062	0.925019526
cg08351100	0.924759177
cg19233001	0.924759177
cg03873049	0.92423848
cg16348158	0.92423848
cg18240463	0.923978131
cg10938046	0.923978131
cg24345062	0.922416037
cg04562611	0.921634991
cg15981734	0.921634991
cg25740565	0.921634991
cg05954446	0.921106557
cg07168810	0.920853944
cg00333528	0.920593595

cg06451843	0.920593595
cg20600729	0.920593595
cg05656251	0.919291851
cg07444473	0.917469409
cg09605636	0.91720906
cg04389897	0.916948711
cg10483275	0.916948711
cg00061039	0.916428014
cg03583016	0.916167665
cg04872399	0.915646967
cg22129545	0.91486592
cg02511456	0.914605571
cg07472953	0.914605571
cg10168149	0.914345223
cg00689360	0.912783129
cg06490225	0.912783129
cg14635269	0.912522781
cg02053920	0.909658943
cg02537838	0.909658943
cg20723436	0.909138245
cg04365980	0.908877896
cg02633371	0.907576152
cg25658983	0.90575371
cg05328761	0.905493361
cg25052456	0.905008165
cg10816760	0.904972663
cg12204555	0.904191617
cg17741448	0.903492647
cg06166785	0.90341057
cg17565967	0.903150221
cg14097304	0.902369175
cg21304163	0.899244988
cg22023826	0.897682895
cg13290149	0.897162197
cg24222546	0.897162197
cg09065714	0.896901848
cg03316570	0.8966415
cg21752601	0.895860453
cg10230442	0.895600104
cg00574563	0.895339755
cg23318538	0.892215569
cg11769400	0.890132778
cg00583535	0.888049987
cg26717066	0.885967196
cg12979844	0.885186149
cg20971488	0.884925801
cg08207466	0.883363707

cg11573219	0.883103359
cg23688111	0.883103359
cg17976205	0.882061963
cg11945297	0.881280916
cg01062116	0.88049987
cg24817216	0.880239521
cg05113927	0.878937777
cg04134748	0.878417079
cg20962532	0.87815673
cg00061629	0.875179856
cg06689180	0.873991148
cg06154311	0.873210102
cg12462883	0.872429055
cg13178597	0.867742775
cg00339695	0.867482426
cg02017534	0.867482426
cg08787968	0.866441031
cg07706776	0.864878938
cg22720392	0.862796147
cg24690588	0.862275449
cg22264616	0.859932309
cg10442735	0.858109867
cg14985891	0.858109867
cg19026320	0.856287425
cg05374238	0.855506379
cg09729274	0.854112101
cg14269973	0.851861494
cg15619820	0.851601146
cg25937577	0.849258006
cg03890691	0.848997657
cg02067098	0.848476959
cg08553601	0.847695913
cg01525538	0.847175215
cg04052038	0.84144754
cg01519063	0.840666493
cg14069088	0.840406144
cg03388266	0.839625098
cg12651286	0.839364749
cg13833437	0.838583702
cg16732787	0.835719865
cg03359095	0.830773236
cg00768993	0.828169747
cg07163547	0.827909399
cg09080173	0.826607654
cg22619549	0.826347305
cg06060874	0.825826608
cg08018585	0.825826608

cg04527918	0.824264514
cg23050300	0.822702421
cg27651243	0.819838584
cg02674384	0.819317886
cg16694785	0.818536839
cg05231308	0.818016142
cg08622757	0.815673002
cg21609526	0.809684978
cg04985582	0.808643582
cg16019436	0.807862536
cg02845063	0.806300443
cg12456825	0.804998698
cg12078738	0.803696954
cg20442078	0.802915907
cg15001406	0.800572768

Annex 7.11 – Genes with AUC greater than 0.8 for liver cancer.

gene	AUC
FCN2	0.996719
BMPER	0.996292
CLEC4G	0.996006
STAB2	0.995436
CLEC1B	0.99187
CLEC4M	0.991727
GABRD	0.991585
MARCO	0.988589
GDF2	0.984596
NDST3	0.982456
COL6A6	0.980887
PVALB	0.976751
NUDT10	0.975324
CCBE1	0.973898
C14orf180	0.971759
HHIP	0.97076
BMP10	0.969619
CALN1	0.964627
ITLN1	0.963629
PHACTR3	0.962773
C21orf62	0.961988
HMGCLL1	0.960919
SPSB4	0.956212
CHRM2	0.955499
SLITRK6	0.949651
CHST4	0.948652
THBS4	0.948581
COL25A1	0.944801
TIMD4	0.944801
TERT	0.943517
NEIL3	0.942804
OR51E1	0.941948
PDZRN4	0.940522
PZP	0.939096
SLC17A8	0.935815
ATP13A4	0.934674
SLC5A1	0.933961
FAM83F	0.932249
SYT9	0.931108
BMP5	0.925973
Mar-04	0.923335
C13orf26	0.921552
TRPV6	0.920411
PPAPDC1A	0.920268

SLC6A19	0.918842
ZIC2	0.918129
S100A12	0.915419
KCNJ16	0.913564
COL9A1	0.912281
CFTR	0.911425
FAM5B	0.910284
PLP1	0.909571
GPR123	0.908144
FGF23	0.907859
FATE1	0.907645
B3GALT5	0.906433
DSCAM	0.905434
SLCO1C1	0.90465
GLP2R	0.901868
TH	0.901227
NRXN1	0.900371
GPRIN2	0.900157
MYO3A	0.898873
PRIMA1	0.897875
BEND4	0.897732
ODZ3	0.89759
SLC7A4	0.89759
CDKN2BAS	0.896805
CLDN10	0.896591
KLK11	0.896448
DLGAP2	0.895878
WNT2	0.892883
KLK10	0.891314
PAK7	0.889317
PXDNL	0.887534
RPS6KA6	0.886108
SLITRK2	0.886108
HOXD1	0.885394
SEMA3E	0.883326
ZIC5	0.883184
DPP10	0.881971
IL20RA	0.8819
AGBL4	0.880046
FCAR	0.877621
HOXD4	0.876622
ST8SIA6	0.873342
FAM83B	0.869776
SLITRK3	0.869419
SIX2	0.868207
PRSS22	0.867637
TMEM132C	0.866496

SLC28A3	0.86564
PCSK2	0.86293
CLEC4GP1	0.862074
FAM150A	0.860576
CR1L	0.855798
CBLN2	0.855584
EPS8L3	0.854657
PMP2	0.853302
CWH43	0.851305
OTX1	0.851091
LILRA3	0.844173
KCNH7	0.842391
HOXD3	0.842105
ERBB4	0.839467
SIX1	0.838397
VGLL1	0.83697
LOC221122	0.836899
TEX15	0.835188
IGF2BP1	0.834974
FAM83E	0.834902
PROK2	0.828555
HOXA10	0.825132
HBD	0.823349
TNR	0.816931
AMPD1	0.816717
PRND	0.816003
HCN1	0.815504
CPLX2	0.81529
OR51E2	0.815005
SPINK5	0.814007
RCVRN	0.813793
ISX	0.811582
POU6F2	0.804521
PRDM7	0.804022
MAGEA1	0.800884

Annex 7.12 – CpG probes with AUC greater than 0.8 for liver cancer.

cg	AUC
cg09361748	0.982456
cg17752799	0.982456
cg13510648	0.980459
cg22016513	0.975895

cg25300234	0.975169
cg00517849	0.974448
cg22878084	0.971473
cg04570669	0.971331
cg09044294	0.971331
cg14517119	0.97116
cg18161025	0.971045
cg05844832	0.969404
cg12907876	0.969191
cg05630943	0.968161
cg05338527	0.967139
cg07274716	0.966909
cg23238719	0.966571
cg04350627	0.966096
cg10216717	0.964484
cg20076070	0.964342
cg07909692	0.964064
cg27105634	0.962345
cg05534676	0.962202
cg17937340	0.962202
cg07856521	0.96206
cg14981034	0.960491
cg22540233	0.960258
cg26544752	0.960258
cg20038038	0.959492
cg10222925	0.95935
cg18918116	0.957923
cg01182076	0.957753
cg14966325	0.957353
cg15339960	0.955356
cg00611227	0.955263
cg24327361	0.954968
cg11109621	0.954893
cg09437135	0.954849
cg08277486	0.954785
cg10226257	0.954232
cg22489491	0.954072
cg14188840	0.95393
cg16103732	0.953787
cg25597535	0.953644
cg08182463	0.953074
cg08056755	0.952788
cg20792895	0.952788
cg07041214	0.952503
cg00589161	0.95223
cg07241908	0.95179
cg14525610	0.95122

cg03513858	0.951077
cg05031352	0.950364
cg08810664	0.950364
cg04205664	0.950221
cg07155495	0.949632
cg10598596	0.948937
cg04223420	0.948367
cg01777672	0.948171
cg19886365	0.947939
cg04461895	0.94759
cg25188238	0.947368
cg09468285	0.947346
cg04577591	0.947083
cg21298444	0.947083
cg19521511	0.946798
cg26850677	0.946655
cg19251291	0.946513
cg27281765	0.945768
cg20682236	0.945378
cg05854698	0.945229
cg14535518	0.945229
cg04046889	0.944801
cg14532484	0.944658
cg21746339	0.944516
cg18438823	0.944373
cg14751679	0.944088
cg03567151	0.943945
cg10276834	0.943803
cg00974523	0.94366
cg14718379	0.94366
cg19907520	0.94366
cg03519441	0.943375
cg01156373	0.943187
cg08387538	0.943114
cg10154597	0.942947
cg17277820	0.942662
cg09771429	0.942234
cg07032446	0.941806
cg06707406	0.941378
cg16508529	0.941235
cg18724037	0.941093
cg23392097	0.941093
cg15707869	0.940665
cg09256281	0.940251
cg26940328	0.939952
cg13067649	0.939809
cg07164606	0.939666

cg27237541	0.939666
cg14515517	0.939238
cg18766795	0.939096
cg26881899	0.938952
cg14931118	0.938501
cg16311072	0.937669
cg12517410	0.937527
cg09816349	0.937384
cg11498870	0.937241
cg11726229	0.936872
cg23325997	0.936786
cg14979674	0.936671
cg19929006	0.936556
cg07053177	0.935958
cg21755806	0.935939
cg14622659	0.935673
cg14720996	0.935387
cg20012537	0.935102
cg20739205	0.935102
cg18580232	0.934817
cg21208734	0.934674
cg26362078	0.93461
cg02657833	0.93432
cg10796634	0.934045
cg00018696	0.933961
cg21150053	0.933925
cg19111338	0.933676
cg15186616	0.933533
cg09597390	0.93339
cg16548818	0.933286
cg27364741	0.933105
cg13322601	0.932636
cg15231809	0.932535
cg10066681	0.932392
cg14620593	0.932138
cg17725129	0.931994
cg25329377	0.931821
cg26509691	0.931821
cg23229261	0.931679
cg21690167	0.931592
cg18496841	0.931394
cg22359828	0.931394
cg06873461	0.931357
cg23748514	0.931251
cg19582822	0.931108
cg03595083	0.930966
cg18606375	0.930395

cg12229387	0.930252
cg11554507	0.93011
cg19469449	0.929842
cg21811549	0.929682
cg23601521	0.929397
cg14772660	0.928256
cg10859133	0.928113
cg12707907	0.928056
cg03439587	0.927828
cg12298598	0.927828
cg27418687	0.92769
cg04774103	0.927685
cg10828127	0.927115
cg23345631	0.927115
cg18279094	0.926829
cg09417683	0.926687
cg10315366	0.926687
cg11646259	0.926541
cg02153334	0.926116
cg20546259	0.926116
cg21919492	0.926116
cg00170438	0.925688
cg08099701	0.924975
cg25032595	0.924832
cg13851375	0.924547
cg19120125	0.924103
cg06162589	0.923977
cg07982825	0.923977
cg04121368	0.92396
cg12311175	0.923691
cg16604126	0.923691
cg08802511	0.923263
cg19508823	0.92255
cg20911707	0.922408
cg22603628	0.922408
cg18496858	0.922265
cg12028740	0.921951
cg20129035	0.921837
cg04620298	0.921694
cg05663558	0.921552
cg27456111	0.921552
cg21472506	0.921409
cg22732253	0.921409
cg11775579	0.921124
cg13436417	0.920981
cg16113021	0.920839
cg20769842	0.920839

cg19181692	0.920696
cg07456815	0.920553
cg23655160	0.920411
cg16750953	0.920126
cg12340219	0.919983
cg22827250	0.919698
cg15938529	0.919555
cg25622366	0.919127
cg07010687	0.918271
cg07938743	0.918271
cg18627442	0.918271
cg20682720	0.918271
cg05999364	0.91817
cg11574620	0.917986
cg02310286	0.917843
cg18104149	0.917843
cg21801984	0.917702
cg03369828	0.917701
cg26197836	0.917701
cg22790870	0.917558
cg03320607	0.917415
cg23300485	0.91736
cg00502885	0.91713
cg14241045	0.91713
cg22911315	0.91713
cg02781618	0.916988
cg00147248	0.916845
cg05340803	0.916845
cg03793368	0.916274
cg09636715	0.916274
cg05342469	0.915847
cg08125539	0.915788
cg26012050	0.915704
cg04291946	0.915561
cg03521982	0.915419
cg26068292	0.915419
cg06735218	0.915276
cg09923953	0.914991
cg10479063	0.914848
cg25831281	0.914705
cg18682226	0.91442
cg15922045	0.914278
cg17777531	0.914278
cg17861618	0.914278
cg23984446	0.914278
cg20939319	0.914204
cg07862930	0.914135

cg08962392	0.91385
cg24622439	0.91385
cg07086592	0.913707
cg13547474	0.913564
cg19762533	0.913331
cg27315635	0.913279
cg04033390	0.912275
cg04553632	0.911853
cg18222913	0.911568
cg18543993	0.911568
cg02485729	0.911425
cg02057755	0.91114
cg21162304	0.91114
cg23682822	0.91114
cg23813564	0.91114
cg02868468	0.910997
cg02504617	0.910854
cg02215603	0.910521
cg26101428	0.910284
cg23010538	0.910187
cg16863522	0.910141
cg10640333	0.909999
cg14484274	0.909428
cg22035738	0.909285
cg06135282	0.909143
cg08206318	0.908858
cg05952543	0.908715
cg07992659	0.908715
cg21780600	0.908572
cg10721855	0.908465
cg08586692	0.908287
cg05992726	0.908002
cg27611699	0.908002
cg05422096	0.907859
cg26955491	0.907859
cg15020132	0.907574
cg15835058	0.907431
cg17158811	0.907289
cg21146652	0.907289
cg06153883	0.907146
cg15603812	0.907146
cg23713090	0.907146
cg26874534	0.907146
cg03242448	0.907003
cg21040814	0.906956
cg01275685	0.906899
cg16105591	0.906861

cg10295807	0.906718
cg24657817	0.906147
cg15896446	0.905862
cg05929864	0.905739
cg23793961	0.90572
cg12934371	0.905006
cg22993667	0.905006
cg17545399	0.904721
cg17962547	0.904721
cg09966303	0.904436
cg15602735	0.904436
cg00126657	0.904315
cg05690069	0.904293
cg18859248	0.904293
cg26465522	0.904293
cg25451456	0.904008
cg11701372	0.903874
cg07369569	0.903865
cg09679746	0.903865
cg26463699	0.903865
cg16011217	0.903607
cg19273074	0.90358
cg26369315	0.90358
cg26966083	0.90358
cg13131878	0.903437
cg26200826	0.90301
cg04102854	0.902867
cg26556078	0.902724
cg03815683	0.902439
cg02478708	0.902154
cg02757516	0.902154
cg10878976	0.901868
cg21385983	0.901868
cg01041256	0.901726
cg10122865	0.901583
cg10739728	0.901583
cg08599475	0.901578
cg00176740	0.901441
cg07471018	0.901155
cg17179557	0.901155
cg25311162	0.901013
cg02134660	0.900727
cg14321066	0.900574
cg02037307	0.900442
cg10324703	0.900157
cg11357940	0.900157
cg15547734	0.900014

cg16595607	0.900014
cg03006172	0.899872
cg17726720	0.899872
cg23600944	0.899586
cg24114651	0.899444
cg00497078	0.899301
cg02447488	0.899158
cg01882260	0.899043
cg21462299	0.898996
cg23757622	0.898955
cg14721139	0.898731
cg19519626	0.898731
cg23851685	0.898445
cg00805441	0.898254
cg17797848	0.898249
cg06589421	0.89816
cg16916688	0.897732
cg00802855	0.89759
cg20934731	0.897503
cg03537537	0.897019
cg08585489	0.897019
cg19791043	0.896876
cg08835464	0.896591
cg01120434	0.896448
cg04066400	0.896448
cg23154497	0.896306
cg25338036	0.896306
cg27137084	0.895878
cg02113214	0.895735
cg00543869	0.89545
cg18718692	0.89545
cg08895932	0.895307
cg11615959	0.895022
cg03308704	0.894879
cg18201871	0.894879
cg22654504	0.894879
cg15496307	0.894594
cg05252264	0.893881
cg13687795	0.893881
cg13552831	0.893738
cg00012148	0.893453
cg04279920	0.893453
cg21930938	0.893311
cg05005358	0.893168
cg05458609	0.893168
cg10397765	0.893025
cg18159289	0.893025

cg06040034	0.892683
cg09055992	0.892312
cg15235614	0.892312
cg21884372	0.892312
cg12234272	0.891884
cg00515905	0.891742
cg06830064	0.891599
cg19837938	0.891599
cg25367334	0.891314
cg06074801	0.891171
cg08652808	0.890886
cg17637877	0.890743
cg26674943	0.8906
cg07100700	0.890173
cg05694450	0.89003
cg10941721	0.89003
cg19999705	0.889887
cg27281882	0.889459
cg09232269	0.889317
cg11511819	0.889317
cg22023826	0.889032
cg25344064	0.889032
cg23875663	0.888522
cg00201819	0.888318
cg05257372	0.888318
cg13782905	0.888176
cg24575705	0.888176
cg12037162	0.888033
cg15595525	0.888033
cg10318148	0.88789
cg23701865	0.88789
cg21851391	0.887748
cg23148546	0.887748
cg26942892	0.887748
cg16476427	0.887605
cg08442037	0.887574
cg07882687	0.887463
cg14903245	0.887463
cg00443797	0.88732
cg07974511	0.88732
cg16169129	0.88732
cg22657351	0.887177
cg02644195	0.886749
cg20698037	0.886749
cg13276428	0.886321
cg08351598	0.886036
cg20475114	0.885608

cg22081933	0.885608
cg01282269	0.885079
cg03655683	0.885038
cg19080100	0.885038
cg19005236	0.884362
cg01516033	0.884325
cg12365177	0.884325
cg13441066	0.884182
cg20210051	0.884182
cg12384303	0.884075
cg23344136	0.884039
cg03729889	0.883611
cg27209571	0.883501
cg20812772	0.883469
cg06556827	0.883326
cg09063835	0.883326
cg09362722	0.883184
cg11310812	0.883184
cg14560435	0.883041
cg19903927	0.883041
cg26426186	0.882898
cg13408752	0.882756
cg20660385	0.882756
cg19136704	0.882613
cg27183113	0.882613
cg14837896	0.88247
cg14944166	0.882328
cg17703554	0.882328
cg18562121	0.882185
cg24346637	0.882185
cg24544431	0.882185
cg10831196	0.882043
cg14958947	0.8819
cg26164184	0.8819
cg20248549	0.881615
cg01487494	0.881329
cg22066521	0.881329
cg22799510	0.881205
cg19619756	0.881187
cg04963177	0.881044
cg25651984	0.881044
cg27549878	0.881044
cg11884243	0.880901
cg13949259	0.880901
cg01620077	0.880759
cg11188031	0.880759
cg05632088	0.880543

cg09577907	0.880474
cg02901136	0.880331
cg06942978	0.880331
cg25175508	0.880331
cg20333412	0.880188
cg27373591	0.880188
cg01289352	0.880046
cg11969493	0.880046
cg08889347	0.879903
cg02987368	0.879781
cg05669641	0.87976
cg16517367	0.879484
cg00111503	0.879475
cg09472467	0.879332
cg13678205	0.87919
cg04135385	0.879047
cg13570487	0.878905
cg14319135	0.878905
cg18432768	0.878905
cg12678695	0.878477
cg13996593	0.878477
cg15309004	0.878334
cg00968538	0.878049
cg22605924	0.878049
cg16516973	0.877906
cg22027151	0.877621
cg05171952	0.877613
cg09929941	0.877478
cg20640749	0.877478
cg24158936	0.877478
cg07852840	0.877336
cg07856761	0.877336
cg00579393	0.877193
cg18529840	0.877193
cg06389252	0.87705
cg07176410	0.87705
cg05617002	0.876908
cg26635219	0.876908
cg01434302	0.876758
cg11040394	0.876337
cg11217367	0.876337
cg02515739	0.876028
cg10986125	0.875624
cg16574643	0.875624
cg03059575	0.875566
cg02882755	0.875481
cg13003527	0.875481

cg25960785	0.875339
cg01481609	0.875196
cg06061238	0.875053
cg10632342	0.875053
cg11430766	0.875053
cg23631932	0.875053
cg22820233	0.874483
cg07130714	0.87434
cg12374506	0.87434
cg00418735	0.874055
cg17493839	0.874055
cg22054885	0.873912
cg22465341	0.873912
cg09657185	0.87377
cg26320946	0.87377
cg00369202	0.873627
cg10191891	0.873627
cg21080533	0.873627
cg04315554	0.873485
cg08317412	0.873485
cg13566596	0.873485
cg15244965	0.873485
cg22785561	0.8732
cg03170472	0.873057
cg09166973	0.872771
cg12618806	0.872771
cg17616453	0.872771
cg11761200	0.872486
cg11778362	0.872486
cg22815110	0.872486
cg10598030	0.871916
cg26253500	0.871916
cg11587635	0.871773
cg16071125	0.871306
cg03445896	0.871225
cg09286599	0.871202
cg10827485	0.871202
cg14714364	0.871202
cg15841063	0.871202
cg16793274	0.871202
cg10094691	0.870774
cg12913512	0.870774
cg13344206	0.870774
cg22827707	0.870774
cg09054951	0.870632
cg00295573	0.870347
cg05994690	0.870347

cg14441891	0.870347
cg04647241	0.869967
cg13505608	0.869919
cg13939166	0.869919
cg19411919	0.869633
cg20223950	0.869633
cg23151413	0.869348
cg04487479	0.869206
cg12354382	0.869206
cg25137110	0.869206
cg02023367	0.86892
cg15331578	0.868867
cg03931619	0.868778
cg02903104	0.868635
cg11734845	0.868492
cg24265719	0.867922
cg10557827	0.867779
cg15456555	0.867779
cg02192678	0.867637
cg01289782	0.867494
cg09586034	0.867494
cg14803762	0.867494
cg13744508	0.867351
cg15002721	0.867351
cg14020146	0.867209
cg26563200	0.867209
cg02530222	0.866781
cg23605722	0.866781
cg23260105	0.866638
cg02582587	0.866496
cg21084674	0.866496
cg00552087	0.866353
cg03954858	0.86621
cg14321918	0.866073
cg02026371	0.865925
cg22863118	0.865925
cg26247186	0.865925
cg13550802	0.865782
cg23663533	0.86564
cg24931138	0.86564
cg21434949	0.865354
cg04654530	0.865069
cg08969344	0.864927
cg26827876	0.864784
cg17249224	0.864641
cg21216258	0.864641
cg09046427	0.864356

cg15217784	0.864356
cg18403569	0.864356
cg25955692	0.864356
cg27371466	0.864213
cg24131141	0.8635
cg22460204	0.863358
cg23626475	0.863358
cg03733219	0.863215
cg03134083	0.863072
cg05897803	0.863072
cg12100026	0.863072
cg25154424	0.863072
cg10271192	0.862787
cg16577789	0.862787
cg19694850	0.862644
cg21181547	0.862502
cg13406243	0.862391
cg01637537	0.862359
cg12056501	0.862359
cg22433447	0.862359
cg15376397	0.861931
cg04050941	0.861789
cg12973941	0.861789
cg20692597	0.861789
cg23260456	0.861693
cg08502239	0.861646
cg09354518	0.861646
cg09961397	0.861503
cg18690705	0.861503
cg02909890	0.861361
cg20044918	0.861361
cg07011961	0.861218
cg21871080	0.861218
cg20207911	0.860933
cg03104467	0.86079
cg11518826	0.86079
cg22726414	0.86079
cg26423283	0.86079
cg20100668	0.860362
cg03928924	0.859934
cg09299388	0.859649
cg22223402	0.859649
cg01055386	0.859364
cg15726040	0.85911
cg16202017	0.858936
cg17641904	0.858936
cg12667021	0.858793

cg14247459	0.858793
cg02431964	0.858651
cg02911432	0.858651
cg22969014	0.858508
cg00277753	0.858365
cg02858066	0.858365
cg01003961	0.858223
cg08832906	0.858223
cg18059464	0.857795
cg07205753	0.857652
cg23576999	0.857367
cg13811936	0.857224
cg21248989	0.857224
cg12053971	0.856939
cg13405678	0.856939
cg05499890	0.856796
cg08331840	0.856796
cg22424020	0.856796
cg07204739	0.856654
cg00665114	0.856511
cg20685897	0.856511
cg22467052	0.856511
cg00013196	0.856369
cg10116904	0.856369
cg15957341	0.856369
cg22950153	0.856369
cg26538093	0.856369
cg03935379	0.856226
cg15195541	0.856226
cg01026898	0.856083
cg09626894	0.856083
cg06609843	0.855798
cg13750264	0.855798
cg24387129	0.855798
cg06070132	0.85537
cg07841014	0.85537
cg08035351	0.85537
cg27035708	0.85537
cg01138921	0.855227
cg06968859	0.855227
cg04048705	0.855093
cg26424956	0.855085
cg21974580	0.8548
cg12244288	0.854657
cg24742746	0.854657
cg17733836	0.854514
cg21397287	0.854229

cg24188870	0.854229
cg14349144	0.853944
cg06121507	0.853516
cg05557780	0.853373
cg10683527	0.853373
cg15233428	0.853373
cg15417244	0.853231
cg01078582	0.853088
cg05616355	0.852945
cg13781096	0.852945
cg01151029	0.852803
cg18434354	0.852803
cg19015654	0.85266
cg00445405	0.852517
cg02981003	0.852375
cg23176577	0.85209
cg04857792	0.851947
cg05329976	0.851947
cg05099596	0.851804
cg11796258	0.851804
cg15190834	0.851804
cg11957331	0.851662
cg21192979	0.851662
cg21064449	0.851519
cg10552189	0.851376
cg21515023	0.851376
cg26452811	0.851091
cg12471044	0.850806
cg13985252	0.850521
cg16131766	0.850521
cg26500539	0.850378
cg04752263	0.849807
cg16483466	0.849807
cg14958080	0.849665
cg17376631	0.849522
cg26981076	0.84938
cg09079168	0.849237
cg22102082	0.849237
cg06392126	0.849094
cg11691504	0.849094
cg07416590	0.848952
cg21181391	0.848952
cg01898337	0.848809
cg01750724	0.848666
cg09758842	0.848381
cg22385595	0.848381
cg16625916	0.848238

cg23625823	0.848238
cg12393275	0.848096
cg17450585	0.847953
cg23339720	0.847953
cg04923875	0.847811
cg04425614	0.847668
cg11832804	0.847668
cg01950474	0.847525
cg13680200	0.847525
cg00601486	0.847383
cg18536148	0.847383
cg25020591	0.847383
cg11755803	0.84724
cg09106984	0.847097
cg18540249	0.847097
cg00913945	0.846955
cg02580900	0.846955
cg11543937	0.846955
cg11878419	0.846955
cg15821496	0.846955
cg21591278	0.846955
cg27297441	0.846908
cg21960184	0.846812
cg05260949	0.84667
cg01669948	0.846384
cg21620107	0.846384
cg09418861	0.846242
cg20587945	0.846242
cg16480969	0.846099
cg00142239	0.845956
cg08023692	0.845814
cg18427696	0.845814
cg08721320	0.845671
cg24041338	0.845671
cg16424196	0.845243
cg26842423	0.845243
cg23042540	0.845101
cg04112471	0.844958
cg22236143	0.844958
cg25518571	0.844815
cg06656105	0.84453
cg12269374	0.84453
cg14381673	0.84453
cg17734698	0.84453
cg03912954	0.844476
cg15572496	0.843959
cg09648809	0.843817

cg15046388	0.843615
cg00933692	0.843389
cg25364381	0.843246
cg07346177	0.843104
cg11592640	0.843104
cg00028598	0.842961
cg24333420	0.842818
cg04276301	0.842676
cg23632744	0.842676
cg14833286	0.842248
cg19477942	0.842105
cg05805326	0.841963
cg20772037	0.841963
cg24932457	0.841963
cg01070560	0.841621
cg02501166	0.841535
cg03774868	0.841535
cg09299053	0.841535
cg12904924	0.841392
cg00576650	0.841249
cg12760869	0.841249
cg00344380	0.841107
cg10910685	0.841107
cg05921170	0.840822
cg06112871	0.840822
cg07337456	0.840822
cg16525987	0.840822
cg00629116	0.840679
cg18110578	0.840536
cg24318763	0.840394
cg26841013	0.840394
cg03932978	0.840108
cg19958021	0.839966
cg21104351	0.839966
cg00623161	0.839538
cg08706312	0.839395
cg21935402	0.839395
cg27157482	0.839395
cg15731296	0.839253
cg27056972	0.839253
cg09171565	0.83911
cg10158850	0.83911
cg17875028	0.838967
cg07274922	0.838737
cg02593218	0.838397
cg19404723	0.838254
cg21643191	0.838254

cg25182501	0.838112
cg04063348	0.837826
cg19358195	0.837826
cg21534317	0.837826
cg22980483	0.837826
cg14591419	0.837684
cg07725033	0.837398
cg15837235	0.837398
cg16967830	0.837398
cg24102702	0.837398
cg00844246	0.837256
cg22678436	0.837256
cg25661884	0.837256
cg14231974	0.837113
cg16455444	0.837113
cg00009553	0.83697
cg13275724	0.836543
cg17299712	0.836543
cg00235336	0.8364
cg01829407	0.8364
cg17346345	0.836257
cg00898486	0.836115
cg07878085	0.835972
cg12013817	0.835829
cg03613433	0.835687
cg05118455	0.835402
cg14267645	0.835402
cg15732768	0.835402
cg01952537	0.835259
cg06527919	0.834974
cg15884992	0.834688
cg01545952	0.834546
cg16812660	0.834546
cg02641770	0.834403
cg03723211	0.834118
cg19161000	0.834118
cg11254573	0.83369
cg26270695	0.83369
cg03807914	0.833405
cg08158518	0.833405
cg07449753	0.833262
cg14502431	0.833119
cg16244889	0.833119
cg12033248	0.832834
cg22778014	0.832834
cg03194442	0.832691
cg20073553	0.832691

cg17848615	0.832549
cg00059161	0.832406
cg21295811	0.832406
cg23592016	0.832406
cg23702644	0.832406
cg25582398	0.832406
cg03794862	0.832264
cg13468002	0.831836
cg27532754	0.83155
cg18885992	0.831408
cg01081636	0.831123
cg18959161	0.830837
cg19816811	0.830695
cg21461649	0.830695
cg27573344	0.830695
cg02558162	0.830552
cg05964600	0.830552
cg22143285	0.830552
cg04961448	0.830409
cg08389130	0.830267
cg02466815	0.830124
cg23006065	0.829981
cg07584894	0.829839
cg04316624	0.829696
cg19679544	0.829696
cg11666857	0.829554
cg25164237	0.829268
cg14603539	0.829126
cg20495476	0.829126
cg13939549	0.829122
cg01527581	0.828983
cg01916429	0.828983
cg11736942	0.82884
cg20009866	0.82884
cg21844331	0.82883
cg00968561	0.828698
cg15922705	0.828698
cg05576619	0.828555
cg17112707	0.828127
cg23119827	0.827985
cg15635483	0.827842
cg07269374	0.827557
cg02903436	0.827414
cg06322518	0.827414
cg05293820	0.827367
cg00440217	0.827271
cg08382534	0.827271

cg11110686	0.827271
cg04876028	0.827129
cg24240626	0.827129
cg14528916	0.827116
cg01901466	0.826986
cg24414383	0.826986
cg08651730	0.826701
cg16896847	0.826558
cg14095733	0.826416
cg17142039	0.826273
cg06048662	0.82613
cg07851521	0.825883
cg08104999	0.825845
cg12559474	0.82556
cg01545419	0.825417
cg02502025	0.825417
cg12553321	0.825417
cg13596787	0.824989
cg05450193	0.824847
cg25447299	0.824419
cg05137662	0.824276
cg05577437	0.824276
cg24721899	0.824134
cg00246768	0.823991
cg08934976	0.823848
cg23293230	0.823848
cg07247409	0.823706
cg13924604	0.82342
cg16367697	0.82342
cg00366850	0.823278
cg27412284	0.823135
cg04501624	0.82285
cg17618474	0.822707
cg06365535	0.822565
cg11547474	0.822565
cg14519356	0.822341
cg13801201	0.822137
cg01587454	0.821994
cg05455971	0.821994
cg05626117	0.821994
cg13935480	0.821709
cg18629407	0.821709
cg26905768	0.821709
cg18034742	0.821566
cg25449412	0.821281
cg07277190	0.820996
cg24637061	0.820996

cg00563495	0.82071
cg19927457	0.82071
cg10979994	0.820425
cg25455659	0.820425
cg20706711	0.820282
cg00702593	0.82014
cg21907107	0.819855
cg17059136	0.819712
cg17664099	0.819141
cg24890716	0.819141
cg05730676	0.818999
cg24257495	0.818999
cg12535476	0.818713
cg12690148	0.818571
cg22165105	0.818571
cg02528400	0.818428
cg26722684	0.818286
cg14033273	0.818143
cg24819266	0.818
cg25734539	0.817715
cg00207855	0.817636
cg06010711	0.81743
cg08038402	0.817287
cg14522944	0.817287
cg04651193	0.817002
cg24356530	0.817002
cg00355325	0.816859
cg12673103	0.816859
cg04843046	0.816717
cg16287284	0.816717
cg27619840	0.816717
cg14138275	0.816574
cg04973839	0.816431
cg20705812	0.816289
cg21612170	0.815861
cg15955772	0.815718
cg02830744	0.81529
cg02912913	0.81529
cg21305926	0.815148
cg10172210	0.815005
cg20683151	0.815005
cg05033341	0.814862
cg05688136	0.81472
cg13444005	0.81472
cg25988118	0.81472
cg02837027	0.814577
cg18444868	0.814292

cg22512292	0.814292
cg27016494	0.813864
cg02643451	0.813826
cg03520471	0.813721
cg16033633	0.813293
cg19765450	0.813293
cg25472530	0.813151
cg10010103	0.813008
cg11782250	0.813008
cg17593414	0.812723
cg17697873	0.812723
cg20481032	0.81258
cg00472281	0.812438
cg22851781	0.812438
cg07769622	0.812295
cg08236285	0.812295
cg20261915	0.812295
cg00735923	0.812152
cg02054457	0.812152
cg03852041	0.81201
cg13558105	0.81201
cg04227026	0.811867
cg24956253	0.811765
cg04636876	0.811724
cg03471122	0.811582
cg16144476	0.811582
cg10083824	0.811297
cg11388802	0.811297
cg05809437	0.811154
cg06065695	0.811154
cg11176493	0.811154
cg05058973	0.810726
cg26086902	0.810726
cg01154272	0.810441
cg17882660	0.810441
cg14974223	0.810298
cg16023283	0.810294
cg13585985	0.810155
cg24714905	0.810155
cg05006718	0.80987
cg23218431	0.80987
cg18484736	0.809728
cg02483554	0.809585
cg17001717	0.809585
cg12020778	0.809442
cg25950377	0.809442
cg10776919	0.8093

cg17327492	0.8093
cg00625743	0.809157
cg21819129	0.809014
cg00887153	0.808872
cg19114576	0.808872
cg17936359	0.808444
cg14040034	0.808016
cg26299044	0.80744
cg26009591	0.807303
cg13609861	0.80659
cg04781796	0.806162
cg13450437	0.806162
cg22238777	0.806019
cg01689354	0.805876
cg13718100	0.805876
cg21787176	0.805876
cg24629438	0.805163
cg09359114	0.804735
cg14181409	0.80445
cg16293983	0.80445
cg05780864	0.804308
cg00158789	0.804165
cg20318845	0.80388
cg27600813	0.80388
cg18226539	0.803737
cg23296572	0.803024
cg19795338	0.802881
cg21146374	0.802881
cg00996764	0.802739
cg03495768	0.802425
cg02049829	0.802311
cg21422740	0.802311
cg20011604	0.802168
cg23027521	0.802025
cg21644468	0.80174
cg16101601	0.801455
cg04637490	0.801027
cg14479463	0.800599
cg24613097	0.800599
cg11721803	0.800314
cg09826973	0.800171
cg27420415	0.800171
cg00215587	0.800029
cg23546506	0.800029

Annex 7.13 – Genes with AUC greater than 0.8 for lung cancer.

gene	AUC
C13orf36	0.991059
SH3GL3	0.990671
FAM83A	0.984645
ST8SIA6	0.984645
OVCH2	0.983868
CD300LG	0.983673
AGBL1	0.980952
ADCY8	0.979203
OR2W3	0.976871
SIRPD	0.976093
OTX1	0.972206
GRHL3	0.972012
CHRM1	0.970262
FGF10	0.969485
SLC4A1	0.968902
CHRM2	0.963848
PITX2	0.956463
TERT	0.954227
NOS1	0.949466
MMP13	0.94723
PTPRH	0.946939
MAST1	0.946356
OVCH1	0.943732
KREMEN2	0.943635
COX6B2	0.938581
KCNA4	0.935666
IL22RA2	0.935083
SLC27A6	0.928086
GAD1	0.926822
MYEOV	0.925559
ECEL1	0.922838
CNTD2	0.922546
CHRNA4	0.92206
MNX1	0.920894
HBG2	0.920505
TRPM8	0.91759
HBM	0.915452
PITX1	0.914286
NPY5R	0.906706
EDN3	0.906511
KRT16	0.905345
TNR	0.903596
FLJ12825	0.902527
SSTR4	0.900389

VWC2	0.897959
ONECUT2	0.895821
SPHKAP	0.893294
LHX2	0.892906
HBG1	0.889213
OR6K3	0.888338
ADCYAP1R1	0.887269
GSG1L	0.883382
FEZF1	0.881827
FSD1	0.880175
GPR115	0.879495
DUSP9	0.873275
FAM163A	0.8724
DGKI	0.871914
PGLYRP1	0.865792
FUT9	0.86103
KCNK12	0.855394
PPAPDC1A	0.855005
IL1RAPL2	0.853741
DMRTA2	0.85034
POU4F1	0.84276
CNGA3	0.836832
NR2E1	0.836735
LPA	0.83586
GLB1L3	0.832653
BARX1	0.832167
C12orf42	0.832167
HAVCR1	0.830612
SLC24A2	0.829835
CRABP1	0.829155
FOXI3	0.82828
SPRED3	0.8276
HOXC13	0.825753
FRMPD4	0.81827
TAF7L	0.817007
FOXE1	0.81691
SOX11	0.812731
FOXD3	0.808941
NKX3.2	0.807969
SP8	0.806122
CALN1	0.805928
HOXB9	0.805637
GUCA1A	0.803693
HOXC10	0.801944

Annex 7.14 – CpG probes with AUC greater than 0.8 for lung cancer.

cg	AUC
cg16768018	1
cg04223420	0.999417
cg15105326	0.998834
cg00396667	0.998445
cg08979319	0.997279
cg02037307	0.99689
cg12374506	0.99689
cg07984133	0.996696
cg04008601	0.995918
cg02650767	0.995335
cg01708273	0.994752
cg26509691	0.994363
cg07973435	0.994169
cg12597389	0.99378
cg25191628	0.99378
cg23767994	0.993392
cg02725370	0.993197
cg14314744	0.993003
cg12892506	0.992225
cg22274539	0.992225
cg26831119	0.992225
cg12756396	0.991448
cg23467079	0.990865
cg23229261	0.990476
cg26708319	0.990476
cg27663938	0.990282
cg05139788	0.990087
cg03199745	0.989893
cg19924352	0.989699
cg20114732	0.98931
cg04654530	0.989116
cg14001023	0.989116
cg10659805	0.988727
cg16732616	0.988727
cg10055501	0.987755
cg21299542	0.987561
cg27364741	0.987366
cg10122865	0.987172
cg26612727	0.986783
cg24154839	0.986589
cg21472506	0.986006
cg20431250	0.985617
cg18502142	0.985168
cg25951981	0.985034

cg14094983	0.984645
cg12265623	0.983868
cg03184290	0.983673
cg13413955	0.983673
cg02772121	0.983479
cg00087368	0.983285
cg05922610	0.983285
cg01978237	0.98309
cg18722841	0.982896
cg19194373	0.982896
cg24005685	0.982313
cg15416877	0.982119
cg20234976	0.981924
cg22779330	0.981924
cg07974511	0.98173
cg22717014	0.981535
cg26099134	0.981535
cg23489434	0.981341
cg08536228	0.980758
cg08013557	0.979786
cg15285250	0.979786
cg03830329	0.979592
cg09803262	0.979592
cg16758800	0.979203
cg14822490	0.97862
cg19370653	0.978426
cg07788369	0.978231
cg13784235	0.978037
cg14996220	0.978037
cg00806704	0.977843
cg06382559	0.977843
cg00463767	0.977648
cg04088697	0.977648
cg10417567	0.977454
cg21610164	0.977259
cg05771518	0.977065
cg16006349	0.977065
cg18082337	0.977065
cg19620758	0.976781
cg03111498	0.976676
cg14717557	0.976482
cg12673103	0.976288
cg26610167	0.976288
cg19619405	0.976093
cg25622366	0.976093
cg17444738	0.975899
cg04455430	0.975705

cg11334771	0.975705
cg23676151	0.975705
cg03144922	0.975316
cg16961816	0.975316
cg24275315	0.975316
cg10745499	0.975121
cg13019143	0.975121
cg24595606	0.975121
cg23677657	0.974927
cg08473330	0.974733
cg14995062	0.974721
cg25800765	0.97415
cg05581451	0.973955
cg08640634	0.973955
cg00445405	0.973761
cg26451345	0.973761
cg21488538	0.973567
cg00028935	0.972983
cg04048259	0.972983
cg23720064	0.972983
cg16565394	0.972595
cg04079301	0.972206
cg04842426	0.972206
cg16205854	0.972012
cg22658979	0.971817
cg02081277	0.971429
cg03900143	0.971429
cg23097402	0.970457
cg04543008	0.970457
cg08091192	0.970457
cg13563074	0.970068
cg03631131	0.969679
cg02455094	0.969291
cg07090701	0.969291
cg22031964	0.969291
cg21945930	0.969096
cg26790247	0.969096
cg09812070	0.968902
cg21497990	0.968902
cg26567423	0.968902
cg11328436	0.968513
cg24394172	0.968319
cg22476027	0.968189
cg10297473	0.96793
cg24381587	0.96793
cg15067015	0.967736
cg19370054	0.967541

cg10418524	0.966958
cg20731469	0.966958
cg08594218	0.966764
cg14007067	0.966764
cg01715455	0.966569
cg07851738	0.966569
cg20073553	0.966569
cg22762091	0.966569
cg25902889	0.966569
cg00853940	0.966375
cg17386213	0.966181
cg20910807	0.965792
cg04899175	0.965403
cg07279070	0.965403
cg07854132	0.965403
cg19651694	0.965403
cg10512745	0.965209
cg17146570	0.96482
cg08318212	0.964431
cg18451814	0.964431
cg17507671	0.964043
cg04961466	0.963848
cg18421840	0.963848
cg08393041	0.963654
cg18731327	0.963654
cg18768582	0.96346
cg14425564	0.963265
cg13891220	0.963071
cg02715629	0.962877
cg14861089	0.962877
cg07676859	0.962293
cg00325910	0.961905
cg25825506	0.961905
cg24633978	0.96171
cg06581175	0.961516
cg11188031	0.961516
cg21760402	0.961322
cg01499197	0.961127
cg11038322	0.961127
cg20180370	0.961127
cg16201038	0.960933
cg01392518	0.960739
cg04590119	0.960739
cg13492692	0.960544
cg26336935	0.96035
cg26351229	0.96035
cg12973941	0.960155

cg09586034	0.959961
cg17187764	0.959961
cg23115387	0.959572
cg09005679	0.959378
cg20597842	0.959378
cg22212237	0.959184
cg22304522	0.959184
cg03655683	0.958989
cg08876932	0.958989
cg07938743	0.958795
cg11546137	0.958795
cg25114913	0.958795
cg27606499	0.958795
cg05030680	0.958406
cg12907379	0.958212
cg14691529	0.958212
cg02631468	0.958017
cg08918845	0.958017
cg03239552	0.957845
cg23340017	0.957629
cg07536847	0.957434
cg22534145	0.957434
cg06051311	0.95724
cg11625005	0.957046
cg18197392	0.956851
cg22190437	0.956657
cg04832767	0.956463
cg09647108	0.956463
cg21726372	0.956463
cg23874437	0.956463
cg09462808	0.956268
cg24116870	0.956268
cg03752741	0.955879
cg09094037	0.955879
cg15272362	0.955879
cg26332560	0.955491
cg04138756	0.955296
cg04550052	0.955102
cg24748769	0.955102
cg02054457	0.954713
cg15786205	0.954713
cg04337653	0.954519
cg14442421	0.954519
cg05380821	0.954325
cg14763548	0.954325
cg07557260	0.953741
cg00945234	0.953547

cg03950614	0.953353
cg03881775	0.953158
cg17191462	0.953158
cg10959353	0.952964
cg17199800	0.952964
cg22829917	0.952964
cg02842496	0.95277
cg16327839	0.95277
cg23757446	0.95277
cg27406678	0.952575
cg14441976	0.952187
cg07135614	0.951798
cg09140665	0.951798
cg19653212	0.951798
cg01743841	0.951409
cg05080154	0.951409
cg14093715	0.95102
cg25555059	0.95102
cg08074851	0.950826
cg02943604	0.950632
cg15199678	0.950632
cg18142856	0.950632
cg18682226	0.950632
cg20457051	0.950437
cg03340466	0.950243
cg07937271	0.950243
cg02898293	0.949271
cg02530022	0.949077
cg05855917	0.949077
cg16935980	0.948882
cg24812837	0.948882
cg25797887	0.948688
cg12559170	0.948105
cg01758512	0.947911
cg05756220	0.947522
cg06376426	0.947522
cg13794993	0.947522
cg16922279	0.947522
cg14631053	0.947328
cg25856811	0.947328
cg21836358	0.947133
cg26777456	0.947133
cg00582524	0.946939
cg18206027	0.946939
cg21619594	0.946744
cg19047707	0.946356
cg21865150	0.946161

cg24399122	0.946161
cg12308746	0.945578
cg21239311	0.945578
cg15731655	0.945384
cg22616881	0.945384
cg10387551	0.94519
cg04765207	0.944801
cg01670677	0.944606
cg15310492	0.944218
cg20104341	0.943829
cg08490115	0.943635
cg13755795	0.943635
cg05938001	0.94344
cg24561661	0.94344
cg19922137	0.943246
cg06942701	0.943052
cg10085326	0.943052
cg04415176	0.942663
cg06092815	0.942663
cg15772216	0.942663
cg04698114	0.942468
cg10709593	0.942468
cg01089249	0.94208
cg06842954	0.941691
cg13736376	0.941691
cg20547407	0.941691
cg12477716	0.941497
cg00147248	0.941302
cg00158333	0.941302
cg23426473	0.941108
cg04923875	0.940914
cg05093169	0.940914
cg07625194	0.940914
cg04917446	0.940719
cg13656408	0.940719
cg00154357	0.94033
cg01847754	0.94033
cg17800654	0.940136
cg10717463	0.939942
cg16856286	0.939553
cg20291436	0.939553
cg21774338	0.939553
cg01089319	0.939359
cg02387803	0.939359
cg07203423	0.939359
cg11761200	0.939305
cg01556466	0.939164

cg17391928	0.939164
cg03733219	0.93897
cg08526074	0.93897
cg14461582	0.93897
cg22286936	0.938776
cg26494929	0.938776
cg02881570	0.938581
cg11854928	0.938192
cg24925400	0.937609
cg09792881	0.937221
cg11795276	0.937221
cg23922739	0.937221
cg08878368	0.937026
cg06488443	0.936832
cg27423760	0.936638
cg12001304	0.936443
cg12720637	0.936249
cg22639011	0.936249
cg06382344	0.93586
cg12118269	0.935666
cg06834698	0.935471
cg07802350	0.935277
cg16240162	0.935083
cg01002253	0.934888
cg18040901	0.934888
cg19909787	0.934694
cg14005211	0.934305
cg00079219	0.933333
cg11295724	0.933333
cg15044957	0.933333
cg24340081	0.933333
cg03981954	0.933139
cg25775494	0.933139
cg06850283	0.932556
cg07664198	0.932556
cg16033633	0.932556
cg08550101	0.932362
cg25737664	0.932362
cg20939084	0.932167
cg26090020	0.931584
cg25830182	0.930807
cg05462543	0.92964
cg05962092	0.929446
cg00423153	0.929252
cg07362328	0.928863
cg26295057	0.928669
cg08074534	0.92828

cg20402783	0.928086
cg21732056	0.927891
cg14562712	0.927697
cg21545390	0.927697
cg21127068	0.927114
cg01175020	0.926919
cg08812189	0.926919
cg03536474	0.926531
cg13449778	0.926531
cg04063166	0.926336
cg12520549	0.926142
cg25266629	0.926142
cg26205771	0.926142
cg17714025	0.925948
cg18543971	0.925948
cg20400904	0.925948
cg26954968	0.925948
cg15435730	0.925753
cg02076785	0.925559
cg07382554	0.925559
cg11796258	0.92517
cg25195987	0.92517
cg03972665	0.924781
cg10682299	0.924393
cg13209441	0.924198
cg02653559	0.924083
cg12164612	0.924004
cg12868052	0.923615
cg16226642	0.923615
cg24530250	0.923615
cg01695225	0.923032
cg12189551	0.923032
cg15149095	0.923032
cg26745764	0.922449
cg07442479	0.92206
cg17093995	0.921633
cg17586860	0.921477
cg17305181	0.921283
cg17707140	0.921283
cg10679688	0.921088
cg24837370	0.92057
cg07850418	0.920311
cg27416372	0.919922
cg14045872	0.919728
cg27278953	0.919728
cg01247127	0.919534
cg06463958	0.919534

cg05259868	0.919339
cg07990546	0.919145
cg19715410	0.919145
cg01951086	0.91895
cg04883903	0.91895
cg12422154	0.918756
cg22614239	0.918562
cg01759597	0.917979
cg16557178	0.917979
cg23032674	0.917979
cg23507945	0.917201
cg08526991	0.916812
cg26668276	0.916812
cg10122477	0.916424
cg18824990	0.916424
cg00633740	0.915841
cg20939662	0.915841
cg27618240	0.915452
cg08166767	0.915063
cg26253500	0.915063
cg16464328	0.91448
cg26251506	0.91448
cg27549878	0.91448
cg02341759	0.914286
cg04819096	0.914286
cg18782604	0.914286
cg26923490	0.914091
cg11250773	0.913897
cg14127859	0.913314
cg20106459	0.913314
cg22914729	0.913314
cg08307469	0.912536
cg00692611	0.912342
cg25678815	0.911759
cg21185289	0.911565
cg06724588	0.911176
cg15082028	0.911176
cg19255241	0.910982
cg17787134	0.910398
cg00333226	0.91001
cg02498177	0.909427
cg26014036	0.909038
cg07010617	0.908844
cg24721899	0.908844
cg14123923	0.908455
cg03943773	0.907872
cg00601648	0.907677

cg10968815	0.906511
cg07936950	0.906317
cg17840707	0.906317
cg22827685	0.906317
cg16723800	0.905543
cg19630629	0.905539
cg11591636	0.904568
cg16100530	0.904373
cg00143249	0.904179
cg15443952	0.904179
cg01893212	0.903984
cg10835584	0.903984
cg02920600	0.903401
cg05052324	0.903013
cg02467990	0.902235
cg13611822	0.902235
cg03771840	0.902041
cg13549845	0.901652
cg16355785	0.901069
cg11975608	0.900292
cg24875808	0.900292
cg22941315	0.900097
cg16226785	0.899708
cg08858649	0.899514
cg14544666	0.899514
cg02849693	0.899125
cg13409645	0.899125
cg21174841	0.899125
cg09907509	0.898154
cg16928066	0.898154
cg21146652	0.897765
cg02213684	0.896404
cg17495130	0.896404
cg06151165	0.896016
cg04431946	0.895821
cg10136354	0.895238
cg05151154	0.894849
cg25756435	0.894461
cg22711111	0.894072
cg09016242	0.893683
cg12018098	0.892906
cg04904331	0.892711
cg24384519	0.892323
cg26132298	0.89174
cg18219713	0.891545
cg14116122	0.890962
cg08889797	0.890768

cg00310215	0.890573
cg13663644	0.890185
cg01281911	0.888241
cg04454951	0.888047
cg01933308	0.887658
cg09595415	0.886119
cg07758529	0.886103
cg21769093	0.885714
cg15126544	0.884937
cg20705938	0.884742
cg22603247	0.884742
cg09791440	0.884354
cg19134945	0.884159
cg02113214	0.883188
cg04972930	0.882993
cg23348723	0.882604
cg17028067	0.88241
cg09781994	0.882021
cg26560222	0.882021
cg24211504	0.881827
cg24575234	0.880272
cg09250199	0.880078
cg27502296	0.880078
cg26004759	0.878912
cg18438777	0.878523
cg22496102	0.877551
cg17498296	0.877357
cg23668184	0.876385
cg11781718	0.875878
cg01003961	0.875219
cg03726785	0.875024
cg17489695	0.873664
cg13969001	0.872886
cg20403938	0.872692
cg03767515	0.872303
cg11428724	0.871137
cg09796544	0.870165
cg20663376	0.870165
cg07235577	0.869971
cg25701114	0.868999
cg12314713	0.868416
cg18449120	0.868222
cg20268857	0.867444
cg09000583	0.86725
cg06319822	0.866861
cg14239515	0.866667
cg01538344	0.864723

cg18423935	0.863583
cg20927661	0.863557
cg09388140	0.863218
cg10979216	0.858892
cg05349062	0.858309
cg11538641	0.856754
cg10821610	0.856171
cg05922253	0.855782
cg13791254	0.853644
cg01146232	0.852867
cg10641615	0.852867
cg13356896	0.852867
cg26222437	0.852478
cg07780095	0.851312
cg03806192	0.847813
cg09528825	0.847813
cg02608452	0.846842
cg17602500	0.846647
cg19605788	0.843732
cg01965874	0.843286
cg07495363	0.84276
cg08911275	0.841983
cg25287257	0.841399
cg08871608	0.841205
cg16413687	0.841011
cg20011402	0.836346
cg07462540	0.835763
cg13355047	0.835374
cg17721710	0.824101
cg04846243	0.818659
cg16781647	0.8138
cg15841063	0.807775
cg06404175	0.801944
cg19162841	0.800194

Annex 7.15 – Genes with AUC greater than 0.8 for thyroid cancer.

gene	AUC
KCNA1	0.961197
ODAM	0.945493
LIPH	0.941479
FAM178B	0.923732
FIBCD1	0.923662
KRT85	0.917394
C1orf187	0.917113
CSF2	0.911338
KRT15	0.906725
ESPN	0.891901
MUC21	0.887746
AWAT2	0.882711
BANF2	0.882465
NMU	0.861408
MYBPH	0.853521
SLC39A12	0.837746
HPSE2	0.82493
SYT8	0.814155

Annex 7.16 – CpG probes with AUC greater than 0.8 for thyroid cancer.

cg	AUC
cg03448202	0.94993
cg12403889	0.944366
cg23904115	0.939014
cg19088218	0.937535
cg04473405	0.929117
cg23449588	0.926972
cg01802532	0.926127
cg15442792	0.924859
cg18512357	0.920986
cg23620049	0.91831
cg01441698	0.917958
cg18959422	0.915563
cg07538160	0.914225
cg13394864	0.914155
cg01853665	0.911901
cg16657886	0.911127
cg22717825	0.904155
cg01120874	0.900634

cg05368724	0.89662
cg19316579	0.887042
cg09575189	0.883099
cg03861143	0.879014
cg19856444	0.875986
cg12747410	0.875211
cg20695587	0.869225
cg16745930	0.865512
cg22669120	0.850563
cg18122696	0.842465
cg03255783	0.836338
cg08328750	0.834648
cg27053580	0.834437
cg20457051	0.831479
cg26369418	0.828169
cg25388882	0.820493
cg02325250	0.815634
cg25065535	0.813028
cg02196805	0.809718
cg25959149	0.802394