

Supplementay Table 2: NSCLC-related targets

Number	Protein name	Gene name
1	Tumor Protein P53	TP53
2	Epidermal Growth Factor Receptor	EGFR
3	BRCA1 DNA Repair Associated	BRCA1
4	BRCA2 DNA Repair Associated	BRCA2
5	KRAS Proto-Oncogene, GTPase	KRAS
6	Phosphatase And Tensin Homolog	PTEN
7	MET Proto-Oncogene, Receptor Tyrosine Kinase	MET
8	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit A α	PIK3CA
9	Erb-B2 Receptor Tyrosine Kinase 2	ERBB2
10	ATM Serine/Threonine Kinase	ATM
11	B-Raf Proto-Oncogene, Serine/Threonine Kinase	BRAF
12	AKT Serine/Threonine Kinase 1	AKT1
13	Cyclin Dependent Kinase Inhibitor 2A	CDKN2A
14	Cadherin 1	CDH1
15	ALK Receptor Tyrosine Kinase	ALK
16	Checkpoint Kinase 2	CHEK2
17	APC Regulator Of WNT Signaling Pathway	APC
18	MutL Homolog 1	MLH1
19	Caspase 8	CASP8
20	NRAS Proto-Oncogene, GTPase	NRAS
21	MutS Homolog 2	MSH2
22	Catenin Beta 1	CTNNB1
23	RB Transcriptional Corepressor 1	RB1
24	MutS Homolog 6	MSH6
25	Serine/Threonine Kinase 11	STK11
26	Cyclin D1	CCND1
27	Nibrin	NBN
28	Fas Ligand	FASLG
29	Mitogen-Activated Protein Kinase Kinase 1	MAP2K1
30	HRas Proto-Oncogene, GTPase	HRAS
31	KIT Proto-Oncogene, Receptor Tyrosine Kinase	KIT
32	Telomerase Reverse Transcriptase	TERT
33	PMS1 Homolog 2, Mismatch Repair System Component	PMS2
34	Fibroblast Growth Factor Receptor 3	FGFR3
35	SMAD Family Member 4	SMAD4
36	Ret Proto-Oncogene	RET
37	ROS Proto-Oncogene 1, Receptor Tyrosine Kinase	ROS1
38	MYC Proto-Oncogene, BHLH Transcription Factor	MYC
39	Signal Transducer And Activator Of Transcription 3	STAT3
40	BCL2 Apoptosis Regulator	BCL2
41	Chromosome 11 Open Reading Frame 65	C11orf65
42	Interleukin 6	IL6
43	Interferon Regulatory Factor 1	IRF1
44	Transforming Growth Factor Beta 1	TGFB1

45 Estrogen Receptor 1	ESR1
46 DNA Polymerase Epsilon, Catalytic Subunit	POLE
47 Parkin RBR E3 Ubiquitin Protein Ligase	PRKN
48 Protein Tyrosine Phosphatase Receptor Type C	PTPRC
49 Tumor Necrosis Factor	TNF
50 Vascular Endothelial Growth Factor A	VEGFA
51 Fibroblast Growth Factor Receptor 2	FGFR2
52 BRCA1 Associated RING Domain 1	BARD1
53 BCL2 Associated X, Apoptosis Regulator	BAX
54 Dicer 1, Ribonuclease III	DICER1
55 Mechanistic Target Of Rapamycin Kinase	MTOR
56 ERCC Excision Repair 6, Chromatin Remodeling Factor	ERCC6
57 Epithelial Cell Adhesion Molecule	EPCAM
58 MutY DNA Glycosylase	MUTYH
59 Solute Carrier Family 22 Member 18	SLC22A18
60 Transforming Growth Factor Beta Receptor 2	TGFBR2
61 Cyclin Dependent Kinase Inhibitor 1B	CDKN1B
62 NK2 Homeobox 1	NKX2-1
63 Protein Phosphatase 2 Scaffold Subunit Abeta	PPP2R1B
64 Neurofibromin 1	NF1
65 Cyclin Dependent Kinase 4	CDK4
66 Patched 1	PTCH1
67 Adenosine Deaminase	ADA
68 RAD50 Double Strand Break Repair Protein	RAD50
69 Interleukin 1 Beta	IL1B
70 MDM2 Proto-Oncogene	MDM2
71 SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of	SMARCA4
72 Fas Cell Surface Death Receptor	FAS
73 RAD51 Paralog C	RAD51C
74 Cyclin Dependent Kinase Inhibitor 1A	CDKN1A
75 CD274 Molecule	CD274
76 TSC Complex Subunit 2	TSC2
77 Cytochrome P450 Family 2 Subfamily A Member 6	CYP2A6
78 SRC Proto-Oncogene, Non-Receptor Tyrosine Kinase	SRC
79 Von Hippel-Lindau Tumor Suppressor	VHL
80 Peroxisome Proliferator Activated Receptor Gamma	PPARG
81 Mitogen-Activated Protein Kinase 1	MAPK1
82 TSC Complex Subunit 1	TSC1
83 Androgen Receptor	AR
84 Phosphoinositide-3-Kinase Regulatory Subunit 1	PIK3R1
85 Interferon Gamma	IFNG
86 Mitogen-Activated Protein Kinase Kinase Kinase 8	MAP3K8
87 Interleukin 10	IL10
88 Leucine Rich Repeat Containing 56	LRRC56
89 Matrix Remodeling Associated 5	MXRA5
90 C-X-C Motif Chemokine Ligand 8	CXCL8

91 Mucin 1, Cell Surface Associated	MUC1
92 Caspase 3	CASP3
93 RAD51 Recombinase	RAD51
94 Axin 2	AXIN2
95 Notch Receptor 1	NOTCH1
96 C-X-C Motif Chemokine Receptor 4	CXCR4
97 MRE11 Homolog, Double Strand Break Repair Nuclease	MRE11
98 Epidermal Growth Factor	EGF
99 E1A Binding Protein P300	EP300
100 Tumor Protein P73	TP73
101 Fibroblast Growth Factor Receptor 1	FGFR1
102 Cytotoxic T-Lymphocyte Associated Protein 4	CTLA4
103 Interleukin 7 Receptor	IL7R
104 Hypoxia Inducible Factor 1 Subunit Alpha	HIF1A
105 ERCC Excision Repair 2, TFIIH Core Complex Helicase Subunit	ERCC2
106 BCL10 Immune Signaling Adaptor	BCL10
107 Protein Tyrosine Phosphatase Non-Receptor Type 11	PTPN11
108 Kinase Insert Domain Receptor	KDR
109 Matrix Metalloproteinase 9	MMP9
110 F-Box And WD Repeat Domain Containing 7	FBXW7
111 Janus Kinase 2	JAK2
112 BRCA1 Associated Protein 1	BAP1
113 Matrix Metalloproteinase 2	MMP2
114 Prostaglandin-Endoperoxide Synthase 2	PTGS2
115 ATP Binding Cassette Subfamily B Member 1	ABCB1
116 Fragile Histidine Triad Diadenosine Triphosphatase	FHIT
117 Nuclear Factor Kappa B Subunit 1	NFKB1
118 Insulin Like Growth Factor 2	IGF2
119 CD44 Molecule (Indian Blood Group)	CD44
120 Programmed Cell Death 1	PDCD1
121 TNF Receptor Superfamily Member 10b	TNFRSF10B
122 SET Domain Containing 2, Histone Lysine Methyltransferase	SETD2
123 Sarcolemma Associated Protein	SLMAP
124 PiggyBac Transposable Element Derived 3	PGBD3
125 Recombination Activating 2	RAG2
126 ERCC Excision Repair 1, Endonuclease Non-Catalytic Subunit	ERCC1
127 Menin 1	MEN1
128 Interleukin 2	IL2
129 Catenin Alpha 1	CTNNA1
130 Baculoviral IAP Repeat Containing 5	BIRC5
131 Signal Transducer And Activator Of Transcription 1	STAT1
132 MutS Homolog 3	MSH3
133 Jun Proto-Oncogene, AP-1 Transcription Factor Subunit	JUN
134 X-Ray Repair Cross Complementing 3	XRCC3
135 NFE2 Like BZIP Transcription Factor 2	NFE2L2
136 Aurora Kinase A	AURKA

137 Integrin Subunit Beta 1	ITGB1
138 Kruppel Like Factor 6	KLF6
139 RUNX Family Transcription Factor 1	RUNX1
140 Platelet Derived Growth Factor Receptor Alpha	PDGFRA
141 Insulin Like Growth Factor 1 Receptor	IGF1R
142 Raf-1 Proto-Oncogene, Serine/Threonine Kinase	RAF1
143 Janus Kinase 3	JAK3
144 Tumor Protein P63	TP63
145 Fibroblast Growth Factor 2	FGF2
146 BCL2 Like 1	BCL2L1
147 CEA Cell Adhesion Molecule 5	CEACAM5
148 Bone Morphogenetic Protein Receptor Type 1A	BMPR1A
149 Major Histocompatibility Complex, Class II, DR Beta 1	HLA-DRB1
150 Interleukin 4	IL4
151 X-Ray Repair Cross Complementing 1	XRCC1
152 BCL6 Transcription Repressor	BCL6
153 Caveolin 1	CAV1
154 Colony Stimulating Factor 3	CSF3
155 SRY-Box Transcription Factor 9	SOX9
156 8-Oxoguanine DNA Glycosylase	OGG1
157 Proliferating Cell Nuclear Antigen	PCNA
158 NFkB Inhibitor Alpha	NFKBIA
159 Hepatocyte Growth Factor	HGF
160 MutL Homolog 3	MLH3
161 Surfactant Protein A1	SFTPA1
162 Cytochrome P450 Family 1 Subfamily A Member 1	CYP1A1
163 ABL Proto-Oncogene 1, Non-Receptor Tyrosine Kinase	ABL1
164 Mitogen-Activated Protein Kinase 8	MAPK8
165 Discoidin Domain Receptor Tyrosine Kinase 2	DDR2
166 KIT Ligand	KITLG
167 C-X-C Motif Chemokine Ligand 12	CXCL12
168 Cyclin Dependent Kinase 2	CDK2
169 Glutathione S-Transferase Pi 1	GSTP1
170 Insulin Like Growth Factor 1	IGF1
171 X-Linked Inhibitor Of Apoptosis	XIAP
172 Intercellular Adhesion Molecule 1	ICAM1
173 Secreted Phosphoprotein 1	SPP1
174 RELA Proto-Oncogene, NF-KB Subunit	RELA
175 Platelet Derived Growth Factor Receptor Beta	PDGFRB
176 Neural Cell Adhesion Molecule 1	NCAM1
177 SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of	SMARCB1
178 Erb-B2 Receptor Tyrosine Kinase 3	ERBB3
179 Ras Homolog Family Member A	RHOA
180 Enhancer Of Zeste 2 Polycomb Repressive Complex 2 Subunit	EZH2
181 SMAD Family Member 3	SMAD3
182 WT1 Transcription Factor	WT1

183 Isocitrate Dehydrogenase (NADP(+)) 1	IDH1
184 X-Ray Repair Cross Complementing 2	XRCC2
185 Fibronectin 1	FN1
186 MCL1 Apoptosis Regulator, BCL2 Family Member	MCL1
187 CD4 Molecule	CD4
188 Poly(ADP-Ribose) Polymerase 1	PARP1
189 Colony Stimulating Factor 2	CSF2
190 Glutathione S-Transferase Mu 1	GSTM1
191 Protein Tyrosine Kinase 2	PTK2
192 O-6-Methylguanine-DNA Methyltransferase	MGMT
193 Caspase 9	CASP9
194 Forkhead Box P3	FOXP3
195 Interleukin 2 Receptor Subunit Alpha	IL2RA
196 Homeobox B13	HOXB13
197 Enolase 2	ENO2
198 Toll Like Receptor 2	TLR2
199 Estrogen Receptor 2	ESR2
200 Keratin 19	KRT19
201 Cyclin Dependent Kinase 6	CDK6
202 Cyclin Dependent Kinase 1	CDK1
203 Matrix Metalloproteinase 1	MMP1
204 Retinoic Acid Receptor Beta	RARB
205 Inhibitor Of Growth Family Member 1	ING1
206 TNF Superfamily Member 10	TNFSF10
207 Cyclin Dependent Kinase Inhibitor 2B	CDKN2B
208 Surfactant Protein C	SFTPC
209 Transforming Growth Factor Beta Receptor 1	TGFBR1
210 Rac Family Small GTPase 1	RAC1
211 Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Gamma	PIK3CG
212 Marker Of Proliferation Ki-67	MKI67
213 Fms Related Receptor Tyrosine Kinase 1	FLT1
214 Mitogen-Activated Protein Kinase 14	MAPK14
215 SRY-Box Transcription Factor 2	SOX2
216 Mitogen-Activated Protein Kinase 3	MAPK3
217 ATP Binding Cassette Subfamily G Member 2 (Junior Blood Group)	ABCG2
218 AKT Serine/Threonine Kinase 2	AKT2
219 Ras Association Domain Family Member 1	RASSF1
220 Thymidylate Synthetase	TYMS
221 BUB1 Mitotic Checkpoint Serine/Threonine Kinase B	BUB1B
222 C-C Motif Chemokine Ligand 2	CCL2
223 Transforming Growth Factor Alpha	TGFA
224 Plasminogen Activator, Urokinase	PLAU
225 GATA Binding Protein 2	GATA2
226 ATP Binding Cassette Subfamily C Member 1	ABCC1
227 DNA Methyltransferase 1	DNMT1
228 MYCN Proto-Oncogene, BHLH Transcription Factor	MYCN

229 Nucleophosmin 1	NPM1
230 CF Transmembrane Conductance Regulator	CFTR
231 CD40 Molecule	CD40
232 E2F Transcription Factor 1	E2F1
233 POU Class 5 Homeobox 1	POU5F1
234 Fms Related Receptor Tyrosine Kinase 3	FLT3
235 Endoglin	ENG
236 Keratin 7	KRT7
237 Cell Adhesion Molecule 1	CADM1
238 Toll Like Receptor 4	TLR4
239 Prominin 1	PROM1
240 Erb-B2 Receptor Tyrosine Kinase 4	ERBB4
241 Cytochrome C, Somatic	CYCS
242 Solute Carrier Family 2 Member 1	SLC2A1
243 Integrin Subunit Alpha 3	ITGA3
244 DNA Methyltransferase 3 Alpha	DNMT3A
245 Platelet And Endothelial Cell Adhesion Molecule 1	PECAM1
246 Caspase 10	CASP10
247 Melanocyte Inducing Transcription Factor	MITF
248 EPH Receptor B2	EPHB2
249 Cell Division Cycle 42	CDC42
250 Hepatitis A Virus Cellular Receptor 2	HAVCR2
251 AT-Rich Interaction Domain 1A	ARID1A
252 Sp1 Transcription Factor	SP1
253 Yes1 Associated Transcriptional Regulator	YAP1
254 Vimentin	VIM
255 Heat Shock Protein 90 Alpha Family Class A Member 1	HSP90AA1
256 DLEC1 Cilia And Flagella Associated Protein	DLEC1
257 Protein Kinase C Alpha	PRKCA
258 Kelch Like ECH Associated Protein 1	KEAP1
259 CAMP Responsive Element Binding Protein 1	CREB1
260 Chromogranin A	CHGA
261 Cyclin B1	CCNB1
262 DNA Topoisomerase II Alpha	TOP2A
263 Major Histocompatibility Complex, Class I, B	HLA-B
264 Cyclin A2	CCNA2
265 Beta-2-Microglobulin	B2M
266 Interleukin 3	IL3
267 Zeta Chain Of T Cell Receptor Associated Protein Kinase 70	ZAP70
268 Vascular Endothelial Growth Factor C	VEGFC
269 Fms Related Receptor Tyrosine Kinase 4	FLT4
270 Major Histocompatibility Complex, Class I, G	HLA-G
271 Retinoic Acid Receptor Alpha	RARA
272 Platelet Derived Growth Factor Subunit B	PDGFB
273 Hemoglobin Subunit Beta	HBB
274 Serpin Family A Member 1	SERPINA1

275 Heme Oxygenase 1	HMOX1
276 Zinc Finger E-Box Binding Homeobox 1	ZEB1
277 Cadherin 2	CDH2
278 Insulin Like Growth Factor Binding Protein 3	IGFBP3
279 DNA Polymerase Kappa	POLK
280 Macrophage Scavenger Receptor 1	MSR1
281 NAD(P)H Quinone Dehydrogenase 1	NQO1
282 WW Domain Containing Oxidoreductase	WWOX
283 GNAS Complex Locus	GNAS
284 Protein Kinase C Delta	PRKCD
285 Surfactant Protein A2	SFTPA2
286 NF2, Moesin-Ezrin-Radixin Like (MERLIN) Tumor Suppressor	NF2
287 Albumin	ALB
288 Keratin 18	KRT18
289 Mucin 5B, Oligomeric Mucus/Gel-Forming	MUC5B
290 C-C Motif Chemokine Receptor 6	CCR6
291 XPA, DNA Damage Recognition And Repair Factor	XPA
292 DNA Topoisomerase I	TOP1
293 Interleukin 1 Receptor Antagonist	IL1RN
294 Baculoviral IAP Repeat Containing 3	BIRC3
295 Checkpoint Kinase 1	CHEK1
296 ERCC Excision Repair 4, Endonuclease Catalytic Subunit	ERCC4
297 CD28 Molecule	CD28
298 Matrix Metalloproteinase 14	MMP14
299 SMAD Family Member 2	SMAD2
300 High Mobility Group Box 1	HMGB1
301 Fos Proto-Oncogene, AP-1 Transcription Factor Subunit	FOS
302 Isocitrate Dehydrogenase (NADP(+)) 2	IDH2
303 GLI Family Zinc Finger 1	GLI1
304 Plasminogen Activator, Urokinase Receptor	PLAUR
305 Gap Junction Protein Alpha 1	GJA1
306 DNA Methyltransferase 3 Beta	DNMT3B
307 Mitotic Arrest Deficient 1 Like 1	MAD1L1
308 Synaptophysin	SYP
309 C-C Motif Chemokine Ligand 5	CCL5
310 Cyclin Dependent Kinase Inhibitor 3	CDKN3
311 Twist Family BHLH Transcription Factor 1	TWIST1
312 TIMP Metalloproteinase Inhibitor 1	TIMP1
313 Nitric Oxide Synthase 2	NOS2
314 Spleen Associated Tyrosine Kinase	SYK
315 Polo Like Kinase 1	PLK1
316 Cytochrome P450 Family 1 Subfamily B Member 1	CYP1B1
317 Progesterone Receptor	PGR
318 Superoxide Dismutase 2	SOD2
319 Thymidine Phosphorylase	TYMP
320 Interleukin 7	IL7

321 Thrombospondin 1	THBS1
322 NME/NM23 Nucleoside Diphosphate Kinase 1	NME1
323 CD34 Molecule	CD34
324 CASP8 And FADD Like Apoptosis Regulator	CFLAR
325 Mucin 16, Cell Surface Associated	MUC16
326 DLC1 Rho GTPase Activating Protein	DLC1
327 Sonic Hedgehog Signaling Molecule	SHH
328 Macrophage Migration Inhibitory Factor	MIF
329 CREB Binding Protein	CREBBP
330 Inhibitor Of Nuclear Factor Kappa B Kinase Subunit Beta	IKBKB
331 Desmoplakin	DSP
332 Matrix Metalloproteinase 7	MMP7
333 Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Delta	PIK3CD
334 BUB1 Mitotic Checkpoint Serine/Threonine Kinase	BUB1
335 Protein Phosphatase, Mg ²⁺ /Mn ²⁺ Dependent 1D	PPM1D
336 Insulin	INS
337 EPH Receptor A2	EPHA2
338 Methylenetetrahydrofolate Reductase	MTHFR
339 Snail Family Transcriptional Repressor 1	SNAI1
340 MYC Associated Factor X	MAX
341 Heat Shock Protein Family B (Small) Member 1	HSPB1
342 Major Histocompatibility Complex, Class I, A	HLA-A
343 Gastrin Releasing Peptide	GRP
344 Interleukin 17A	IL17A
345 ATR Serine/Threonine Kinase	ATR
346 Prohibitin 1	PHB1
347 Cyclin D3	CCND3
348 Snail Family Transcriptional Repressor 2	SNAI2
349 PMS1 Homolog 1, Mismatch Repair System Component	PMS1
350 Protection Of Telomeres 1	POT1
351 ETS Variant Transcription Factor 6	ETV6
352 BCL2 Associated Agonist Of Cell Death	BAD
353 Zinc Finger Homeobox 3	ZFX3
354 Smoothed, Frizzled Class Receptor	SMO
355 Thy-1 Cell Surface Antigen	THY1
356 Histone Deacetylase 1	HDAC1
357 Neuregulin 1	NRG1
358 MYB Proto-Oncogene, Transcription Factor	MYB
359 Protein Kinase D1	PRKD1
360 BCR Activator Of RhoGEF And GTPase	BCR
361 Receptor Interacting Serine/Threonine Kinase 1	RIPK1
362 Actin Alpha 2, Smooth Muscle	ACTA2
363 BCL2 Antagonist/Killer 1	BAK1
364 Interleukin 13	IL13
365 FA Complementatation Group D2	FANCD2
366 Damage Specific DNA Binding Protein 2	DDB2

367 Bone Morphogenetic Protein 6	BMP6
368 Ribosomal Protein S6 Kinase B1	RPS6KB1
369 Cbl Proto-Oncogene	CBL
370 BCL2 Like 11	BCL2L11
371 Basigin (Ok Blood Group)	BSG
372 Paired Box 5	PAX5
373 CD8a Molecule	CD8A
374 SOS Ras/Rac Guanine Nucleotide Exchange Factor 1	SOS1
375 Abraxas 1, BRCA1 A Complex Subunit	ABRAXAS1
376 Transferrin Receptor	TFRC
377 Heat Shock Protein Family A (Hsp70) Member 5	HSPA5
378 Cell Division Cycle 25A	CDC25A
379 Annexin A5	ANXA5
380 Amphiregulin	AREG
381 Keratin 8	KRT8
382 Protein Tyrosine Kinase 2 Beta	PTK2B
383 Bone Morphogenetic Protein 2	BMP2
384 AKT Serine/Threonine Kinase 3	AKT3
385 Neuropilin 1	NRP1
386 Cancer/Testis Antigen 1B	CTAG1B
387 Epithelial Cell Transforming 2	ECT2
388 Serpin Family E Member 1	SERPINE1
389 SMAD Family Member 7	SMAD7
390 Homeostatic Iron Regulator	HFE
391 Parathyroid Hormone Like Hormone	PTH1H
392 C-C Motif Chemokine Receptor 7	CCR7
393 Keratin 5	KRT5
394 Cyclin E1	CCNE1
395 CD36 Molecule	CD36
396 Integrin Subunit Alpha 6	ITGA6
397 S-Phase Kinase Associated Protein 2	SKP2
398 Dihydrofolate Reductase	DHFR
399 CEA Cell Adhesion Molecule 3	CEACAM3
400 Surfactant Protein B	SFTPB
401 Interleukin 1 Alpha	IL1A
402 Catenin Delta 1	CTNND1
403 U2 Small Nuclear RNA Auxiliary Factor 1	U2AF1
404 Histone Deacetylase 9	HDAC9
405 Forkhead Box O3	FOXO3
406 Interleukin 2 Receptor Subunit Gamma	IL2RG
407 AXL Receptor Tyrosine Kinase	AXL
408 TIMP Metalloproteinase Inhibitor 2	TIMP2
409 Insulin Receptor Substrate 1	IRS1
410 Neurotrophic Receptor Tyrosine Kinase 1	NTRK1
411 Podoplanin	PDPN
412 Minichromosome Maintenance Complex Component 4	MCM4

413 Cell Division Cycle 25C	CDC25C
414 Integrin Subunit Alpha V	ITGAV
415 Transforming Growth Factor Beta 2	TGFB2
416 WD Repeat Containing Antisense To TP53	WRAP53
417 Polybromo 1	PBRM1
418 Forkhead Box M1	FOXM1
419 Nitric Oxide Synthase 3	NOS3
420 Apurinic/Apyrimidinic Endodeoxyribonuclease 1	APEX1
421 Hyaluronan Mediated Motility Receptor	HMMR
422 Leptin	LEP
423 Component Of Inhibitor Of Nuclear Factor Kappa B Kinase Complex	CHUK
424 SHC Adaptor Protein 1	SHC1
425 CD40 Ligand	CD40LG
426 Endothelin 1	EDN1
427 Carbonic Anhydrase 9	CA9
428 Keratin 20	KRT20
429 Cyclin Dependent Kinase Inhibitor 1C	CDKN1C
430 Secreted Protein Acidic And Cysteine Rich	SPARC
431 Fibroblast Growth Factor Receptor 4	FGFR4
432 Major Vault Protein	MVP
433 Myeloperoxidase	MPO
434 Lysyl Oxidase	LOX
435 TNF Receptor Superfamily Member 10a	TNFRSF10A
436 RAS P21 Protein Activator 1	RASA1
437 Cathepsin B	CTSB
438 Serpin Family A Member 3	SERPINA3
439 Major Histocompatibility Complex, Class II, DQ Beta 1	HLA-DQB1
440 EMAP Like 4	EML4
441 C-Reactive Protein	CRP
442 Death Associated Protein Kinase 1	DAPK1
443 Phospholipase A2 Group IIA	PLA2G2A
444 Integrin Subunit Beta 3	ITGB3
445 Nuclear Factor Kappa B Subunit 2	NFKB2
446 ATP Binding Cassette Subfamily C Member 2	ABCC2
447 Heat Shock Protein Family A (Hsp70) Member 4	HSPA4
448 Angiopoietin 2	ANGPT2
449 BH3 Interacting Domain Death Agonist	BID
450 Gremlin 1, DAN Family BMP Antagonist	GREM1
451 Cellular Communication Network Factor 2	CCN2
452 Paxillin	PXN
453 Glypican 3	GPC3
454 Forkhead Box O1	FOXO1
455 Membrane Metalloendopeptidase	MME
456 Signal Transducer And Activator Of Transcription 5B	STAT5B
457 Protein Kinase C Iota	PRKCI
458 Laminin Subunit Gamma 2	LAMC2

459 CD24 Molecule	CD24
460 Colony Stimulating Factor 1	CSF1
461 Mucin 4, Cell Surface Associated	MUC4
462 DNA Ligase 4	LIG4
463 Interleukin 4 Receptor	IL4R
464 Interferon Alpha 1	IFNA1
465 Matrix Metalloproteinase 3	MMP3
466 Dihydropyrimidine Dehydrogenase	DPYD
467 Cyclin D2	CCND2
468 Protein Kinase CAMP-Dependent Type I Regulatory Subunit Alpha	PRKAR1A
469 Fibroblast Growth Factor 7	FGF7
470 Vitamin D Receptor	VDR
471 Programmed Cell Death 4	PDCD4
472 YY1 Transcription Factor	YY1
473 A-Raf Proto-Oncogene, Serine/Threonine Kinase	ARAF
474 Calreticulin	CALR
475 RUNX Family Transcription Factor 3	RUNX3
476 Integrin Subunit Alpha 5	ITGA5
477 Junction Plakoglobin	JUP
478 Cytochrome P450 Family 19 Subfamily A Member 1	CYP19A1
479 Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Beta	PIK3CB
480 Bone Morphogenetic Protein 4	BMP4
481 Inducible T Cell Costimulator Ligand	ICOSLG
482 Notch Receptor 3	NOTCH3
483 Surfactant Protein D	SFTPD
484 Taurine Up-Regulated 1	TUG1
485 RB1 Inducible Coiled-Coil 1	RB1CC1
486 SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of	SMARCE1
487 Phospholipase C Gamma 1	PLCG1
488 TIMP Metalloproteinase Inhibitor 3	TIMP3
489 High Mobility Group AT-Hook 2	HMGA2
490 MCC Regulator Of WNT Signaling Pathway	MCC
491 Killer Cell Lectin Like Receptor K1	KLRK1
492 Interleukin 15	IL15
493 Thyroid Hormone Receptor Interactor 13	TRIP13
494 Interferon Alpha Inducible Protein 27	IFI27
495 Periostin	POSTN
496 Claudin 7	CLDN7
497 Fascin Actin-Bundling Protein 1	FSCN1
498 Transcription Factor 7 Like 2	TCF7L2
499 CEA Cell Adhesion Molecule 6	CEACAM6
500 XPC Complex Subunit, DNA Damage Recognition And Repair Factor	XPC
501 Collagen Type I Alpha 1 Chain	COL1A1
502 Enolase 1	ENO1
503 Cyclin Dependent Kinase Inhibitor 2C	CDKN2C
504 MYD88 Innate Immune Signal Transduction Adaptor	MYD88

505 Drosha Ribonuclease III	DROSHA
506 Early Growth Response 1	EGR1
507 Glycogen Synthase Kinase 3 Beta	GSK3B
508 X-Ray Repair Cross Complementing 5	XRCC5
509 Insulin Like Growth Factor 2 Receptor	IGF2R
510 Cytochrome P450 Family 3 Subfamily A Member 4	CYP3A4
511 Aldehyde Dehydrogenase 1 Family Member A1	ALDH1A1
512 C-X-C Motif Chemokine Receptor 2	CXCR2
513 LCK Proto-Oncogene, Src Family Tyrosine Kinase	LCK
514 Glyceraldehyde-3-Phosphate Dehydrogenase	GAPDH
515 S100 Calcium Binding Protein A4	S100A4
516 Axin 1	AXIN1
517 Growth Arrest And DNA Damage Inducible Alpha	GADD45A
518 Perforin 1	PRF1
519 Erythropoietin	EPO
520 Interleukin 6 Receptor	IL6R
521 Cadherin 13	CDH13
522 Aurora Kinase B	AURKB
523 N-Acetyltransferase 2	NAT2
524 Superoxide Dismutase 1	SOD1
525 Inhibitor Of DNA Binding 1, HLH Protein	ID1
526 Achaete-Scute Family BHLH Transcription Factor 1	ASCL1
527 Mitogen-Activated Protein Kinase Kinase 2	MAP2K2
528 TNF Receptor Superfamily Member 1B	TNFRSF1B
529 Ribonucleotide Reductase Catalytic Subunit M1	RRM1
530 Cytochrome P450 Family 2 Subfamily D Member 6	CYP2D6
531 Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation	YWHAE
532 Galectin 3	LGALS3
533 Platelet Derived Growth Factor Receptor Like	PDGFRL
534 Inducible T Cell Costimulator	ICOS
535 BMI1 Proto-Oncogene, Polycomb Ring Finger	BMI1
536 Colony Stimulating Factor 1 Receptor	CSF1R
537 Toll Like Receptor 9	TLR9
538 Baculoviral IAP Repeat Containing 2	BIRC2
539 Beclin 1	BECN1
540 Elastase, Neutrophil Expressed	ELANE
541 Notch Receptor 2	NOTCH2
542 Caspase 7	CASP7
543 Cytochrome P450 Family 2 Subfamily E Member 1	CYP2E1
544 Integrin Subunit Alpha 2	ITGA2
545 Somatostatin	SST
546 RB Binding Protein 8, Endonuclease	RBBP8
547 Integrin Linked Kinase	ILK
548 Transketolase	TKT
549 Fatty Acid Synthase	FASN
550 Zinc Finger E-Box Binding Homeobox 2	ZEB2

551 X-Ray Repair Cross Complementing 6	XRCC6
552 GATA Binding Protein 3	GATA3
553 Angiotensin I Converting Enzyme	ACE
554 Angiopoietin 1	ANGPT1
555 Ezrin	EZR
556 Thioredoxin	TXN
557 Galectin 1	LGALS1
558 TNF Receptor Superfamily Member 1A	TNFRSF1A
559 Vascular Endothelial Growth Factor D	VEGFD
560 Lamin A/C	LMNA
561 E2F Transcription Factor 3	E2F3
562 Nucleotide Binding Oligomerization Domain Containing 2	NOD2
563 Eukaryotic Translation Initiation Factor 4E	EIF4E
564 Tubulin Beta Class I	TUBB
565 Y-Box Binding Protein 1	YBX1
566 Clusterin	CLU
567 IL2 Inducible T Cell Kinase	ITK
568 ETS Proto-Oncogene 1, Transcription Factor	ETS1
569 Glutathione S-Transferase Theta 1	GSTT1
570 TNF Superfamily Member 11	TNFSF11
571 MPL Proto-Oncogene, Thrombopoietin Receptor	MPL
572 CD247 Molecule	CD247
573 Kruppel Like Factor 4	KLF4
574 RUNX Family Transcription Factor 2	RUNX2
575 Nuclear Receptor Binding SET Domain Protein 1	NSD1
576 Lysine Methyltransferase 2D	KMT2D
577 Retinoid X Receptor Alpha	RXRA
578 Alanine Aminopeptidase, Membrane	ANPEP
579 Aldolase, Fructose-Bisphosphate A	ALDOA
580 Insulin Receptor	INSR
581 Mitochondrially Encoded Cytochrome C Oxidase I	MT-CO1
582 Serpin Family B Member 5	SERPINB5
583 Alpha Fetoprotein	AFP
584 Kallikrein Related Peptidase 3	KLK3
585 Interleukin 5	IL5
586 TNF Receptor Associated Factor 6	TRAF6
587 TEK Receptor Tyrosine Kinase	TEK
588 Secretoglobin Family 1A Member 1	SCGB1A1
589 Cholinergic Receptor Nicotinic Alpha 3 Subunit	CHRNA3
590 Cholinergic Receptor Nicotinic Alpha 5 Subunit	CHRNA5
591 Glial Cell Derived Neurotrophic Factor	GDNF
592 Keratin 14	KRT14
593 H2A Clustered Histone 18	H2AC18
594 Janus Kinase 1	JAK1
595 CD9 Molecule	CD9
596 Sirtuin 1	SIRT1

597 Endothelial PAS Domain Protein 1	EPAS1
598 Cadherin 5	CDH5
599 Fibroblast Growth Factor 1	FGF1
600 Mucin 5AC, Oligomeric Mucus/Gel-Forming	MUC5AC
601 Activated Leukocyte Cell Adhesion Molecule	ALCAM
602 Interleukin 18	IL18
603 C-C Motif Chemokine Ligand 3	CCL3
604 Nuclear Receptor Subfamily 3 Group C Member 1	NR3C1
605 Stathmin 1	STMN1
606 Thrombopoietin	THPO
607 Aryl Hydrocarbon Receptor	AHR
608 Serine/Threonine Kinase 4	STK4
609 Matrix Metalloproteinase 13	MMP13
610 Dyskerin Pseudouridine Synthase 1	DKC1
611 Rho Associated Coiled-Coil Containing Protein Kinase 1	ROCK1
612 Brain Derived Neurotrophic Factor	BDNF
613 Paired Box 8	PAX8
614 Heat Shock Protein Family A (Hsp70) Member 8	HSPA8
615 Cathepsin D	CTSD
616 CD27 Molecule	CD27
617 Granzyme B	GZMB
618 Transcription Factor AP-2 Alpha	TFAP2A
619 ERCC Excision Repair 5, Endonuclease	ERCC5
620 Protein Phosphatase 2 Scaffold Subunit Aalpha	PPP2R1A
621 Receptor For Activated C Kinase 1	RACK1
622 Signal Transducer And Activator Of Transcription 5A	STAT5A
623 Annexin A1	ANXA1
624 Apoptotic Peptidase Activating Factor 1	APAF1
625 CEA Cell Adhesion Molecule 1	CEACAM1
626 Leucine Zipper Tumor Suppressor 1	LZTS1
627 C-X-C Motif Chemokine Ligand 10	CXCL10
628 Growth Differentiation Factor 15	GDF15
629 Apolipoprotein E	APOE
630 CD3 Gamma Subunit Of T-Cell Receptor Complex	CD3G
631 Fas Associated Via Death Domain	FADD
632 Protein Tyrosine Phosphatase Non-Receptor Type 12	PTPN12
633 Lysine Demethylase 4C	KDM4C
634 Interleukin 2 Receptor Subunit Beta	IL2RB
635 Reversion Inducing Cysteine Rich Protein With Kazal Motifs	RECK
636 C-X-C Motif Chemokine Receptor 3	CXCR3
637 Dual Specificity Phosphatase 1	DUSP1
638 Protein Kinase, DNA-Activated, Catalytic Subunit	PRKDC
639 Wnt Family Member 5A	WNT5A
640 Endothelin Receptor Type A	EDNRA
641 Von Willebrand Factor	VWF
642 Annexin A2	ANXA2

643 Mitogen-Activated Protein Kinase Kinase 4	MAP2K4
644 Cyclin H	CCNH
645 Neurotrophic Receptor Tyrosine Kinase 3	NTRK3
646 Phosphoinositide-3-Kinase Regulatory Subunit 2	PIK3R2
647 Interleukin 6 Cytokine Family Signal Transducer	IL6ST
648 Ubiquitin C-Terminal Hydrolase L1	UCHL1
649 Protein Kinase C Beta	PRKCB
650 Tyrosine Kinase 2	TYK2
651 CCAAT Enhancer Binding Protein Alpha	CEBPA
652 15-Hydroxyprostaglandin Dehydrogenase	HPGD
653 Suppressor Of Cytokine Signaling 1	SOCS1
654 PML Nuclear Body Scaffold	PML
655 Solute Carrier Family 19 Member 1	SLC19A1
656 Transcription Factor Binding To IGHM Enhancer 3	TFE3
657 Ras Homolog Family Member B	RHOB
658 Arachidonate 5-Lipoxygenase	ALOX5
659 ASXL Transcriptional Regulator 1	ASXL1
660 Deleted In Malignant Brain Tumors 1	DMBT1
661 Integrin Subunit Beta 2	ITGB2
662 Splicing Factor 3b Subunit 1	SF3B1
663 Baculoviral IAP Repeat Containing 7	BIRC7
664 Transcription Factor 3	TCF3
665 Nanog Homeobox	NANOG
666 Prostaglandin E Receptor 4	PTGER4
667 Diablo IAP-Binding Mitochondrial Protein	DIABLO
668 ERCC Excision Repair 3, TFIIH Core Complex Helicase Subunit	ERCC3
669 E2F Transcription Factor 2	E2F2
670 Stromal Interaction Molecule 1	STIM1
671 UDP Glucuronosyltransferase Family 1 Member A1	UGT1A1
672 C-X-C Motif Chemokine Receptor 5	CXCR5
673 CEA Cell Adhesion Molecule 7	CEACAM7
674 Major Histocompatibility Complex, Class I, C	HLA-C
675 Epoxide Hydrolase 1	EPHX1
676 CD3 Epsilon Subunit Of T-Cell Receptor Complex	CD3E
677 Selectin E	SELE
678 GATA Binding Protein 6	GATA6
679 EPH Receptor B4	EPHB4
680 Exportin 1	XPO1
681 Laminin Subunit Beta 3	LAMB3
682 Advanced Glycosylation End-Product Specific Receptor	AGER
683 ETS Transcription Factor ERG	ERG
684 Lymphoid Enhancer Binding Factor 1	LEF1
685 Toll Like Receptor 3	TLR3
686 Programmed Cell Death 1 Ligand 2	PDCD1LG2
687 Prostate Stem Cell Antigen	PSCA
688 Erythropoietin Receptor	EPOR

689 MYCL Proto-Oncogene, BHLH Transcription Factor	MYCL
690 Cyclin Dependent Kinase 5	CDK5
691 Caspase 1	CASP1
692 Sphingomyelin Phosphodiesterase 1	SMPD1
693 Bone Morphogenetic Protein Receptor Type 2	BMPR2
694 WEE1 G2 Checkpoint Kinase	WEE1
695 Fc Gamma Receptor IIa	FCGR2A
696 Sequestosome 1	SQSTM1
697 Hyaluronan Binding Protein 2	HABP2
698 Catalase	CAT
699 Dipeptidyl Peptidase 4	DPP4
700 Deoxycytidine Kinase	DCK
701 Pyruvate Kinase M1/2	PKM
702 Transforming Growth Factor Beta 3	TGFB3
703 Nerve Growth Factor	NGF
704 CD80 Molecule	CD80
705 Catechol-O-Methyltransferase	COMT
706 Delta Like Non-Canonical Notch Ligand 1	DLK1
707 Glial Fibrillary Acidic Protein	GFAP
708 Discoidin Domain Receptor Tyrosine Kinase 1	DDR1
709 Caudal Type Homeobox 2	CDX2
710 Coagulation Factor III, Tissue Factor	F3
711 Protein Kinase AMP-Activated Catalytic Subunit Alpha 1	PRKAA1
712 Thrombomodulin	THBD
713 Cyclin Dependent Kinase 12	CDK12
714 Nestin	NES
715 Cortactin	CTTN
716 Hepatocyte Nuclear Factor 4 Alpha	HNF4A
717 Cell Division Cycle 6	CDC6
718 TNF Receptor Associated Factor 2	TRAF2
719 Napsin A Aspartic Peptidase	NAPSA
720 Growth Factor Receptor Bound Protein 2	GRB2
721 Platelet Derived Growth Factor Subunit A	PDGFA
722 Calcitonin Related Polypeptide Alpha	CALCA
723 CD22 Molecule	CD22
724 Nth Like DNA Glycosylase 1	NTHL1
725 Cholecystokinin B Receptor	CCKBR
726 Filamin A	FLNA
727 Histone Deacetylase 2	HDAC2
728 Transcription Factor 7	TCF7
729 Membrane Spanning 4-Domains A1	MS4A1
730 Forkhead Box E1	FOXE1
731 Elastin	ELN
732 Adrenoceptor Beta 2	ADRB2
733 Integrin Subunit Alpha 2b	ITGA2B
734 Signal Transducer And Activator Of Transcription 6	STAT6

735 Gastrin Releasing Peptide Receptor	GRPR
736 Gastrin	GAST
737 Hydroxysteroid 17-Beta Dehydrogenase 1	HSD17B1
738 Inhibitor Of Nuclear Factor Kappa B Kinase Regulatory Subunit Gamma	IKBKG
739 Jagged Canonical Notch Ligand 1	JAG1
740 Collagen Type XVIII Alpha 1 Chain	COL18A1
741 Zinc Finger And BTB Domain Containing 16	ZBTB16
742 GATA Binding Protein 4	GATA4
743 Ribosomal Protein SA	RPSA
744 LYN Proto-Oncogene, Src Family Tyrosine Kinase	LYN
745 Sterol Regulatory Element Binding Transcription Factor 1	SREBF1
746 Nuclear Receptor Corepressor 1	NCOR1
747 Forkhead Box P1	FOXP1
748 Integrin Subunit Alpha M	ITGAM
749 ATP Binding Cassette Subfamily C Member 3	ABCC3
750 MAGE Family Member A3	MAGEA3
751 Integrin Subunit Beta 4	ITGB4
752 NADH:Ubiquinone Oxidoreductase Subunit A13	NDUFA13
753 Heat Shock Transcription Factor 1	HSF1
754 Sprouty RTK Signaling Antagonist 4	SPRY4
755 ELAV Like RNA Binding Protein 1	ELAVL1
756 Desmin	DES
757 Interferon Regulatory Factor 4	IRF4
758 Matrix Metalloproteinase 12	MMP12
759 SRY-Box Transcription Factor 4	SOX4
760 Somatostatin Receptor 2	SSTR2
761 RAB, Member Of RAS Oncogene Family Like 3	RABL3
762 BCAR1 Scaffold Protein, Cas Family Member	BCAR1
763 Roundabout Guidance Receptor 1	ROBO1
764 Cyclin E2	CCNE2
765 Suppressor Of Cytokine Signaling 3	SOCS3
766 Neurotrophic Receptor Tyrosine Kinase 2	NTRK2
767 Actin Beta	ACTB
768 Tripartite Motif Containing 28	TRIM28
769 FA Complement Group A	FANCA
770 Myosin Light Chain Kinase	MYLK
771 Phosphoinositide-3-Kinase Regulatory Subunit 3	PIK3R3
772 Paired Box 6	PAX6
773 Thyroglobulin	TG
774 Transcription Factor 4	TCF4
775 Interleukin 12B	IL12B
776 Interleukin 24	IL24
777 Semaphorin 3B	SEMA3B
778 Eukaryotic Translation Initiation Factor 2 Alpha Kinase 2	EIF2AK2
779 CD81 Molecule	CD81
780 Insulin Like Growth Factor Binding Protein 2	IGFBP2

781 Heparin Binding EGF Like Growth Factor	HBEGF
782 RELB Proto-Oncogene, NF-KB Subunit	RELB
783 ATRX Chromatin Remodeler	ATRX
784 Tight Junction Protein 1	TJP1
785 Wnt Family Member 4	WNT4
786 Retinoid X Receptor Beta	RXRΒ
787 Protein Tyrosine Phosphatase Non-Receptor Type 13	PTPN13
788 Calbindin 2	CALB2
789 LIF Interleukin 6 Family Cytokine	LIF
790 C-C Motif Chemokine Receptor 3	CCR3
791 C-C Motif Chemokine Ligand 11	CCL11
792 BPI Fold Containing Family A Member 1	BPIFA1
793 P21 (RAC1) Activated Kinase 1	PAK1
794 Selectin P	SELP
795 S-Phase Kinase Associated Protein 1	SKP1
796 MAGE Family Member A4	MAGEA4
797 Rac Family Small GTPase 2	RAC2
798 RNA Binding Motif Protein 6	RBM6
799 Cytochrome P450 Family 17 Subfamily A Member 1	CYP17A1
800 ADAM Metallopeptidase Domain 12	ADAM12
801 CD86 Molecule	CD86
802 Actin Alpha Cardiac Muscle 1	ACTC1
803 Nuclear Receptor Coactivator 3	NCOA3
804 Coagulation Factor II, Thrombin	F2
805 Dickkopf WNT Signaling Pathway Inhibitor 1	DKK1
806 BAG Cochaperone 1	BAG1
807 Ribonucleotide Reductase Regulatory Subunit M2	RRM2
808 Peroxiredoxin 1	PRDX1
809 Interferon Alpha 2	IFNA2
810 Purinergic Receptor P2X 7	P2RX7
811 B Cell Linker	BLNK
812 Caspase 2	CASP2
813 Interleukin 11	IL11
814 S100 Calcium Binding Protein B	S100B
815 Laminin Subunit Alpha 5	LAMA5
816 Adiponectin, C1Q And Collagen Domain Containing	ADIPOQ
817 Erythrocyte Membrane Protein Band 4.1 Like 3	EPB41L3
818 Transcriptional And Immune Response Regulator	TCIM
819 MDM4 Regulator Of P53	MDM4
820 Leptin Receptor	LEPR
821 TNF Receptor Associated Factor 3	TRAF3
822 WNT Inhibitory Factor 1	WIF1
823 CCAAT Enhancer Binding Protein Beta	CEBPB
824 Nectin Cell Adhesion Molecule 4	NECTIN4
825 Ceruloplasmin	CP
826 C-X-C Motif Chemokine Ligand 1	CXCL1

827 C-X-C Motif Chemokine Receptor 1	CXCR1
828 CXADR Ig-Like Cell Adhesion Molecule	CXADR
829 Recoverin	RCVRN
830 Gelsolin	GSN
831 Indoleamine 2,3-Dioxygenase 1	IDO1
832 Phospholipase C Gamma 2	PLCG2
833 Phosphatidylethanolamine Binding Protein 1	PEBP1
834 Cyclin A1	CCNA1
835 TNF Receptor Superfamily Member 10d	TNFRSF10D
836 Thymidine Kinase 1	TK1
837 Myosin XVIIIIB	MYO18B
838 S100 Calcium Binding Protein A2	S100A2
839 N-Myc Downstream Regulated 1	NDRG1
840 CD55 Molecule (Cromer Blood Group)	CD55
841 Cathepsin L	CTSL
842 Protein Kinase CAMP-Activated Catalytic Subunit Alpha	PRKACA
843 Mesothelin	MSLN
844 Wnt Family Member 1	WNT1
845 Protein Kinase C Epsilon	PRKCE
846 Collagen Type IV Alpha 3 Chain	COL4A3
847 Prolactin	PRL
848 Nuclear Mitotic Apparatus Protein 1	NUMA1
849 CD63 Molecule	CD63
850 Lymphotoxin Alpha	LTA
851 Fli-1 Proto-Oncogene, ETS Transcription Factor	FLI1
852 TNF Receptor Associated Factor 1	TRAF1
853 Casein Kinase 1 Alpha 1	CSNK1A1
854 Bone Gamma-Carboxyglutamate Protein	BGLAP
855 Glutathione S-Transferase Mu 3	GSTM3
856 Metadherin	MTDH
857 GLI Family Zinc Finger 2	GLI2
858 Toll Like Receptor 5	TLR5
859 L1 Cell Adhesion Molecule	L1CAM
860 DEAD-Box Helicase 5	DDX5
861 Kruppel Like Factor 5	KLF5
862 Integrin Subunit Alpha L	ITGAL
863 MAGE Family Member A1	MAGEA1
864 FA Complementatation Group G	FANCG
865 Lactate Dehydrogenase A	LDHA
866 Cytochrome P450 Family 1 Subfamily A Member 2	CYP1A2
867 Lysine Methyltransferase 2A	KMT2A
868 Exonuclease 1	EXO1
869 Melanoma Cell Adhesion Molecule	MCAM
870 Macrophage Stimulating 1 Receptor	MST1R
871 Laminin Subunit Alpha 1	LAMA1
872 Ryanodine Receptor 1	RYR1

873 Cadherin 3	CDH3
874 Dipeptidyl Peptidase 9	DPP9
875 Leucine Zipper Like Transcription Regulator 1	LZTR1
876 Minichromosome Maintenance Complex Component 3	MCM3
877 Laminin Subunit Gamma 1	LAMC1
878 PR/SET Domain 14	PRDM14
879 Cell Division Cycle 20	CDC20
880 Fatty Acid Binding Protein 4	FABP4
881 Interleukin 1 Receptor Type 1	IL1R1
882 Cancer/Testis Antigen 2	CTAG2
883 TPX2 Microtubule Nucleation Factor	TPX2
884 Class II Major Histocompatibility Complex Transactivator	CIITA
885 Gap Junction Protein Beta 2	GJB2
886 Nicotinamide N-Methyltransferase	NNMT
887 G Protein-Coupled Estrogen Receptor 1	GPER1
888 IKAROS Family Zinc Finger 3	IKZF3
889 Proopiomelanocortin	POMC
890 Mitogen-Activated Protein Kinase 10	MAPK10
891 RecQ Like Helicase	RECQL
892 Secreted Frizzled Related Protein 1	SFRP1
893 Ubiquitin Specific Peptidase 8	USP8
894 Neural Precursor Cell Expressed, Developmentally Down-Regulated 9	NEDD9
895 Protein Tyrosine Phosphatase Non-Receptor Type 22	PTPN22
896 Wnt Family Member 3	WNT3
897 Granulin Precursor	GRN
898 V-Set Domain Containing T Cell Activation Inhibitor 1	VTCN1
899 Interferon Regulatory Factor 8	IRF8
900 Galactosylceramidase	GALC
901 Coagulation Factor II Thrombin Receptor	F2R
902 HOP Homeobox	HOPX
903 Arginyl-TRNA Synthetase 1	RARS1
904 Serpin Family B Member 3	SERPINB3
905 Forkhead Box A1	FOXA1
906 DEAD-Box Helicase 3 X-Linked	DDX3X
907 RE1 Silencing Transcription Factor	REST
908 Protein Phosphatase 2 Regulatory Subunit Balpha	PPP2R2A
909 C-C Motif Chemokine Ligand 4	CCL4
910 3-Phosphoinositide Dependent Protein Kinase 1	PDPK1
911 Ornithine Decarboxylase 1	ODC1
912 Serine And Arginine Rich Splicing Factor 2	SRSF2
913 Spermidine/Spermine N1-Acetyltransferase 1	SAT1
914 Cancer/Testis Antigen 83	CT83
915 Microtubule Associated Protein Tau	MAPT
916 Metastasis Associated 1	MTA1
917 G Protein-Coupled Receptor Class C Group 5 Member A	GPRC5A
918 Lamin B Receptor	LBR

919 Interleukin 12A	IL12A
920 Acetylcholinesterase (Cartwright Blood Group)	ACHE
921 Nuclear Receptor Subfamily 1 Group H Member 2	NR1H2
922 FUS RNA Binding Protein	FUS
923 TNF Receptor Associated Factor 4	TRAF4
924 Activin A Receptor Like Type 1	ACVRL1
925 CD226 Molecule	CD226
926 H2A.X Variant Histone	H2AX
927 Bromodomain Containing 4	BRD4
928 Heterogeneous Nuclear Ribonucleoprotein A2/B1	HNRNPA2B1
929 Tissue Factor Pathway Inhibitor 2	TFPI2
930 Signal Peptide, CUB Domain And EGF Like Domain Containing 3	SCUBE3
931 Bone Morphogenetic Protein 7	BMP7
932 CD209 Molecule	CD209
933 Fibrinogen Alpha Chain	FGA
934 Wnt Family Member 7B	WNT7B
935 TNF Alpha Induced Protein 3	TNFAIP3
936 Selectin L	SELL
937 ADAM Metallopeptidase Domain 17	ADAM17
938 Eukaryotic Translation Initiation Factor 4E Binding Protein 1	EIF4EBP1
939 Killer Cell Immunoglobulin Like Receptor, Three Ig Domains And Lo	KIR3DL1
940 Ras Association Domain Family Member 5	RASSF5
941 GLI Family Zinc Finger 3	GLI3
942 Methylthioadenosine Phosphorylase	MTAP
943 CD82 Molecule	CD82
944 CD47 Molecule	CD47
945 CD2 Molecule	CD2
946 TTK Protein Kinase	TTK
947 Plasminogen	PLG
948 Succinate Dehydrogenase Complex Assembly Factor 2	SDHAF2
949 Pyruvate Dehydrogenase Kinase 1	PDK1
950 Casein Kinase 2 Alpha 1	CSNK2A1
951 Trefoil Factor 1	TFF1
952 Interleukin 12 Receptor Subunit Beta 1	IL12RB1
953 Sirtuin 3	SIRT3
954 NLR Family Pyrin Domain Containing 3	NLRP3
955 TNF Receptor Superfamily Member 11a	TNFRSF11A
956 Integrin Subunit Alpha E	ITGAE
957 X-Box Binding Protein 1	XBP1
958 Moesin	MSN
959 Collagen Type IV Alpha 2 Chain	COL4A2
960 Apoptosis Inducing Factor Mitochondria Associated 1	AIFM1
961 Transcription Factor EB	TFEB
962 Ectonucleotide Pyrophosphatase/Phosphodiesterase 2	ENPP2
963 BAF Chromatin Remodeling Complex Subunit BCL11A	BCL11A
964 Interleukin 9	IL9

965 DNA Damage Inducible Transcript 3	DDIT3
966 Prostaglandin-Endoperoxide Synthase 1	PTGS1
967 Amyloid Beta Precursor Protein	APP
968 Sphingosine Kinase 1	SPHK1
969 Protein Tyrosine Phosphatase Non-Receptor Type 1	PTPN1
970 Pim-1 Proto-Oncogene, Serine/Threonine Kinase	PIM1
971 5'-Nucleotidase Ecto	NT5E
972 Nerve Growth Factor Receptor	NGFR
973 Transglutaminase 2	TGM2
974 SIX Homeobox 1	SIX1
975 Timeless Circadian Regulator	TIMELESS
976 Linker For Activation Of T Cells	LAT
977 Vitronectin	VTN
978 LDL Receptor Related Protein 1B	LRP1B
979 Acid Phosphatase 5, Tartrate Resistant	ACP5
980 Transmembrane Serine Protease 2	TMPRSS2
981 Tumor Suppressor 2, Mitochondrial Calcium Regulator	TUSC2
982 ADAM Metallopeptidase Domain 15	ADAM15
983 Killer Cell Lectin Like Receptor C1	KLRC1
984 Microtubule Associated Scaffold Protein 1	MTUS1
985 LIM Domain Containing 1	LIMD1
986 Cell Division Cycle 25B	CDC25B
987 Chitinase 3 Like 1	CHI3L1
988 Nodal Growth Differentiation Factor	NODAL
989 Cell Adhesion Molecule L1 Like	CHL1
990 C-C Motif Chemokine Receptor 1	CCR1
991 Glutamate-Cysteine Ligase Catalytic Subunit	GCLC
992 S100 Calcium Binding Protein A9	S100A9
993 CD46 Molecule	CD46
994 Iron Responsive Element Binding Protein 2	IREB2
995 Forkhead Box F1	FOXF1
996 Ribosomal Oxygenase 2	RIOX2
997 Insulin Receptor Substrate 2	IRS2
998 Histone Deacetylase 4	HDAC4
999 protein phosphatase 1 regulatory subunit 12C	PPP1R12C
1000 Cas scaffold protein family member 4	CASS4
1001 proline rich protein HaeIII subfamily 1	PRH1
1002 proline rich protein HaeIII subfamily 2	PRH2
1003 mucolipin 1	MCOLN1
1004 prohibitin	PHB
1005 myocardial infarction associated transcript	MIAT
1006 matrix metallopeptidase 19	MMP19
1007 midkine	MDK
1008 cyclin dependent kinase 14	CDK14
1009 SIX homeobox 4	SIX4
1010 NADPH oxidase 4	NOX4

1011 zinc finger SWIM-type containing 5	ZSWIM5
1012 chondroitin polymerizing factor	CHPF
1013 Cbl proto-oncogene like 1	CBLL1
1014 LIM domain containing 2	LIMD2
1015 VANGL planar cell polarity protein 1	VANGL1
1016 forkhead box N1	FOXN1
1017 interferon induced transmembrane protein 1	IFITM1
1018 Rho guanine nucleotide exchange factor 7	ARHGEF7
1019 CBFA2/RUNX1 partner transcriptional co-repressor 2	CBFA2T2
1020 Pvt1 oncogene	PVT1
1021 pyrroline-5-carboxylate reductase 1	PYCR1
1022 golgi phosphoprotein 3	GOLPH3
1023 SOS Ras/Rho guanine nucleotide exchange factor 2	SOS2
1024 tetraspanin 7	TSPAN7
1025 thymopoietin	TMPO
1026 lon peptidase 1, mitochondrial	LONP1
1027 family with sequence similarity 83 member F	FAM83F
1028 ankyrin repeat domain 22	ANKRD22
1029 cytochrome P450 family 2 subfamily C member 9	CYP2C9
1030 death associated protein	DAP
1031 decorin	DCN
1032 RAD52 motif containing 1	RDM1
1033 ETS variant transcription factor 4	ETV4
1034 hepatic and glial cell adhesion molecule	HEPACAM
1035 fibroblast growth factor 9	FGF9
1036 cholinergic receptor nicotinic alpha 4 subunit	CHRNA4
1037 CD300a molecule	CD300A
1038 TOP1 binding arginine/serine rich protein	TOPORS
1039 flotillin 1	FLOT1
1040 deleted in lymphocytic leukemia 1	DLEU1
1041 Kruppel like factor 2	KLF2
1042 late endosomal/lysosomal adaptor, MAPK and MTOR activator 5	LAMTOR5
1043 C-X-C motif chemokine ligand 13	CXCL13
1044 CUGBP Elav-like family member 1	CELF1
1045 leukocyte immunoglobulin like receptor B1	LILRB1
1046 KCNQ1 opposite strand/antisense transcript 1	KCNQ1OT1
1047 ubiquitin conjugating enzyme E2 C	UBE2C
1048 protein phosphatase 1 regulatory subunit 13B	PPP1R13B
1049 interleukin 12 receptor subunit beta 2	IL12RB2
1050 interleukin enhancer binding factor 2	ILF2
1051 opioid growth factor receptor pseudogene 1	OGFRP1
1052 GA binding protein transcription factor subunit alpha	GABPA
1053 prostate androgen-regulated transcript 1	PART1
1054 chromodomain helicase DNA binding protein 5	CHD5
1055 large tumor suppressor kinase 2	LATS2
1056 nuclear paraspeckle assembly transcript 1	NEAT1

1057 HIC ZBTB transcriptional repressor 1	HIC1
1058 homeobox A11	HOXA11
1059 homeobox B5	HOXB5
1060 Bile salt export pump	ABCB11
1061 Cholinesterase	BCHE
1062 Cocaine esterase	CES2
1063 Cytochrome P450 2B6	CYP2B6
1064 Cytochrome P450 2C8	CYP2C8
1065 Cytochrome P450 3A5	CYP3A5
1066 Cytochrome P450 3A7	CYP3A7
1067 Cytosolic phospholipase A2	PLA2G4A
1068 DNA topoisomerase 2-beta	TOP2B
1069 DNA topoisomerase I, mitochondrial	TOP1MT
1070 Liver carboxylesterase 1	CES1
1071 Microtubule-associated protein 2	MAP2
1072 Microtubule-associated protein 4	MAP4
1073 Multidrug resistance-associated protein 6	ABCC6
1074 Multidrug resistance-associated protein 7	ABCC10
1075 NADPH--cytochrome P450 reductase	POR
1076 Nuclear receptor subfamily 1 group I member 2	NR1I2
1077 Solute carrier family 22 member 1	SLC22A1
1078 Solute carrier family 22 member 3	SLC22A3
1079 Solute carrier organic anion transporter family member 1B1	SLCO1B1
1080 Solute carrier organic anion transporter family member 1B3	SLCO1B3
1081 Tubulin alpha-1A chain	TUBA1A
1082 Tubulin beta-1 chain	TUBB1
1083 Tubulin delta chain	TUBD1
1084 Tubulin epsilon chain	TUBE1
1085 Tubulin gamma-1 chain	TUBG1
1086 UDP-glucuronosyltransferase 1-9	UGT1A9
1087 UDP-glucuronosyltransferase 2B7	UGT2B7
