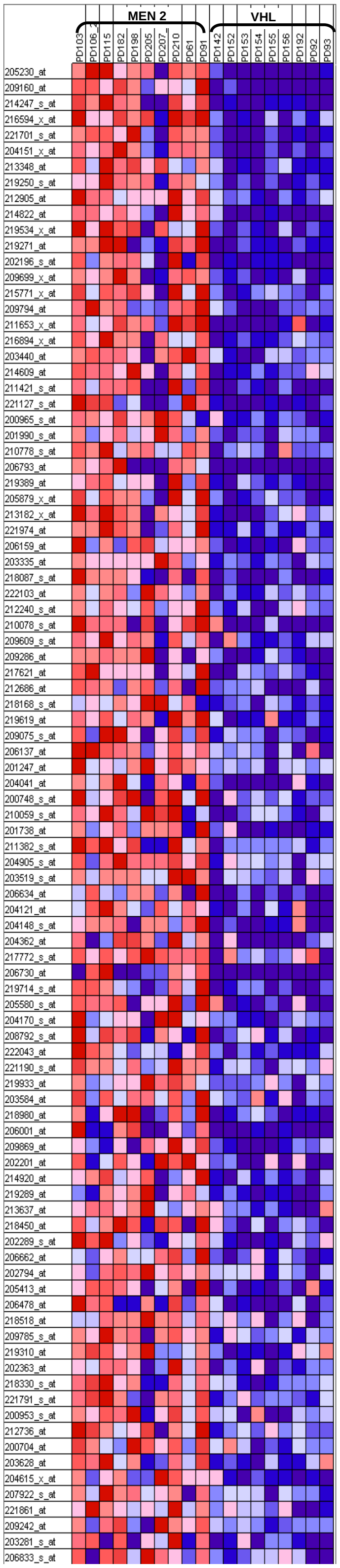
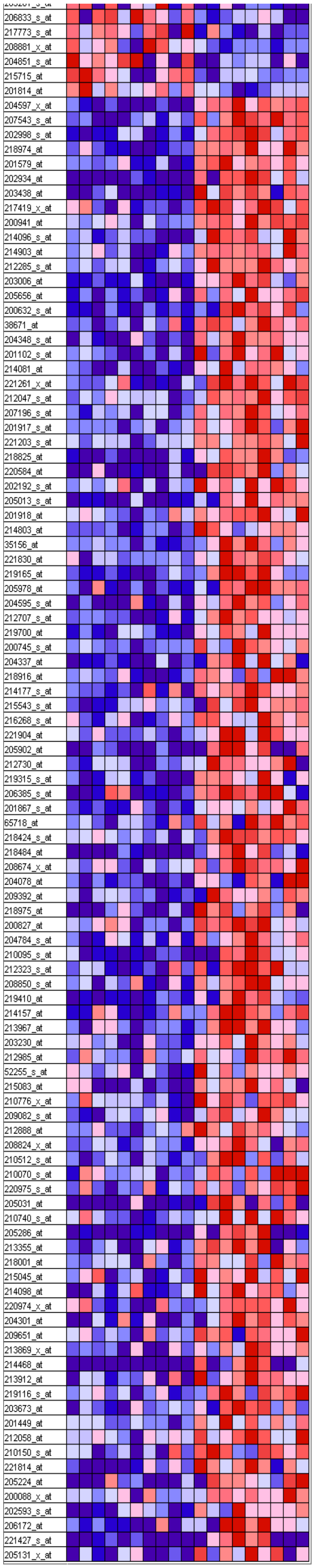
Genes that discriminate MEN2 vs. VHL tumors by supervised learning method
Marker analysis for the Pheochromocytoma MEN2 vs. VHL (19 samples, with 10 MEN2A and 9 VHL
Data thresholded (10 minimum and 16000 maximum) and filtered (5 fold minimum variation and 50 minimum absolute difference) (14811 fe
Marker analysis using mean based signal-to-noise ratio with significance evaluated with 2000 permutatior

#	Class	Score	Probe Set na	Gene Name
1	MEN2	1.7	205230_at	likely ortholog of mouse rabphilin 3
2	MEN2	1.58	209160_at	aldo-keto reductase family 1, member C3
3	MEN2	1.4	214247_s_at	dickkopf homolog 3 (Xenopus laevis
4	MEN2	1.36	216594_x_at	aldo-keto reductase family 1, member C2
5	MEN2	1.34	221701_s_at	hypothetical protein FLJ12541 similar to Stra
6	MEN2	1.26	204151_x_at	aldo-keto reductase family 1, member C1
7	MEN2	1.23	213348_at	cyclin-dependent kinase inhibitor 1C (p57, Kip2
8	MEN2	1.23	219250_s_at	fibronectin leucine rich transmembrane protein
9	MEN2	1.2	212905_at	likely ortholog of mouse variant polyadenylation protein CSTF-6
10	MEN2	1.17	214822_at	hypothetical protein from clone 2482
11	MEN2	1.16	219534_x_at	cyclin-dependent kinase inhibitor 1C (p57, Kip2
12	MEN2	1.16	219271_at	hypothetical protein FLJ12691
13	MEN2	1.15	202196_s_at	dickkopf homolog 3 (Xenopus laevis
14	MEN2	1.09	209699_x_at	aldo-keto reductase family 1, member C2
15	MEN2	1.08	215771_x_at	ret proto-oncogene
16	MEN2	1.08	209794_at	SLIT-ROBO Rho GTPase-activating protein
17	MEN2	1.07	211653_x_at	aldo-keto reductase family 1, member C2
18	MEN2	1.07	216894_x_at	unknown EST, accession number D6413
19	MEN2	1.06	203440_at	cadherin 2, type 1, N-cadherin (neuronal
20	MEN2	1.04	214609_at	aristaless homeobox (Drosophila
21	MEN2	1.04	211421_s_at	ret proto-oncogene
22	MEN2	1.03	221127_s_at	regulated in glioma
23	MEN2	1.01	200965_s_at	actin binding LIM protein 1
24	MEN2	1.01	201990_s_at	cAMP responsive element binding protein-like
25	MEN2	0.99	210778_s_at	MAX dimerization protein 4
26	MEN2	0.98	206793_at	phenylethanolamine N-methyltransferas
27	MEN2	0.98	219389_at	hypothetical protein FLJ1005
28	MEN2	0.98	205879_x_at	ret proto-oncogene
29	MEN2	0.98	213182_x_at	cyclin-dependent kinase inhibitor 1C (p57, Kip2
30	MEN2	0.98	221974_at	imprinted in Prader-Willi syndrome
31	MEN2	0.97	206159_at	growth differentiation factor 1
32	MEN2	0.96	203335_at	phytanoyl-CoA hydroxylase (Refsum disease
33	MEN2	0.95	218087_s_at	sorbin and SH3 domain containing
34	MEN2	0.95	222103_at	activating transcription factor 1
35	MEN2	0.95	212240_s_at	phosphoinositide-3-kinase, regulatory subunit, polypeptide 1 (p85 alph
36	MEN2	0.92	210078_s_at	potassium voltage-gated channel, shaker-related subfamily, beta member
37	MEN2	0.92	209609_s_at	mitochondrial ribosomal protein L
38	MEN2	0.91	209286_at	Homo sapiens cDNA FLJ31353 fis, clone MESAN200026
39	MEN2	0.91	217621_at	peter pan homolog (Drosophila
40	MEN2	0.91	212686_at	KIAA1157 protein
41	MEN2	0.9	218168_s_at	chaperone, ABC1 activity of bc1 complex like (S. pombe
42	MEN2	0.89	219619_at	Di-Ras2
43	MEN2	0.89	209075_s_at	nitrogen fixation cluster-like
44	MEN2	0.89	206137_at	regulating synaptic membrane exocytosis
45	MEN2	0.88	201247_at	Homo sapiens mRNA; cDNA DKFZp434N1610 (from clone DKFZp434N1610
46	MEN2	0.88	204041_at	monoamine oxidase B
47	MEN2	0.88	200748_s_at	ferritin, heavy polypeptide 1
48	MEN2	0.87	210059_s_at	mitogen-activated protein kinase 1
49	MEN2	0.87	201738_at	translation factor sui1 homolog
50	MEN2	0.87	211382_s_at	transforming, acidic coiled-coil containing protein
51	MEN2	0.87	204905_s_at	eukaryotic translation elongation factor 1 epsilon
52	MEN2	0.86	203519_s_at	regulator of nonsense transcripts
53	MEN2	0.86	206634_at	sine oculis homeobox homolog 3 (Drosophila
54	MEN2	0.86	204121_at	growth arrest and DNA-damage-inducible, gamm
55	MEN2	0.85	204148_s_at	POM (POM121 homolog, rat) and ZP3 fusio
56	MEN2	0.85	204362_at	src family associated phosphoprotein
57	MEN2	0.85	217772_s_at	mitochondrial carrier homolog 2
58	MEN2	0.84	206730_at	glutamate receptor, ionotrophic, AMPA
59	MEN2	0.84	219714_s_at	calcium channel, voltage-dependent, alpha 2/delta 3 subun
60	MEN2	0.84	205580_s_at	histamine receptor H1
61	MEN2	0.83	204170_s_at	CDC28 protein kinase 2
62	MEN2	0.83	208792_s_at	clusterin (complement lysis inhibitor, SP-40,40
63	MEN2	0.83	222043_at	clusterin (complement lysis inhibitor, SP-40,40
64	MEN2	0.82	221190_s_at	colon cancer-associated protein Mic1
65	MEN2	0.82	219933_at	glutaredoxin 2
66	MEN2	0.82	203584_at	KIAA0103 gene produc
67	MEN2	0.82	218980_at	hypothetical protein FLJ22297
68	MEN2	0.81	206001_at	neuropeptide Y
69	MEN2	0.81	209869_at	adrenergic, alpha-2A-, recepto
70	MEN2	0.81	202201_at	biliverdin reductase B (flavin reductase (NADPH)
71	MEN2	0.8	214920_at	Homo sapiens cDNA FLJ11022 fis, clone PLACE100377
72	MEN2	0.8	219289_at	hypothetical protein FLJ2071
73	MEN2	0.8	213637_at	ESTs,accession number BE503392
74	MEN2	0.79	218450_at	heme binding protein 1
75	MEN2	0.79	202289_s_at	transforming, acidic coiled-coil containing protein
76	MEN2	0.79	206662_at	glutaredoxin (thioltransferase
77	MEN2	0.78	202794_at	inositol polyphosphate-1-phosphatas
78	MEN2	0.78	205413_at	chromosome 11 open reading frame 8
79	MEN2	0.78	206478_at	KIAA0125 gene produc
80	MEN2	0.78	218518_at	chromosome 5 open reading frame 5
81	MEN2	0.78	209785_s_at	phospholipase A2, group IVC (cytosolic, calcium-independen
82	MEN2	0.78	219310_at	chromosome 20 open reading frame 39
83	MEN2	0.78	202363_at	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican
84	MEN2	0.77	218330_s_at	neuron navigator 2
85	MEN2	0.77	221791_s_at	hypothetical protein HSPC016
86	MEN2	0.77	200953_s_at	cyclin D2
87	MEN2	0.77	212736_at	hypothetical gene BC008967
88	MEN2	0.76	200704_at	LPS-induced TNF-alpha facto
89	MEN2	0.76	203628_at	insulin-like growth factor 1 recepto
90	MEN2	0.76	204615_x_at	isopentenyl-diphosphate delta isomeras
91	MEN2	0.76	207922_s_at	macrophage erythroblast attache
92	MEN2	0.76	221861_at	Homo sapiens mRNA; cDNA DKFZp762M127 (from clone DKFZp762M127
93	MEN2	0.75	209242_at	paternally expressed 3
94	MEN2	0.75	203281_s_at	ubiquitin-activating enzyme E1-like

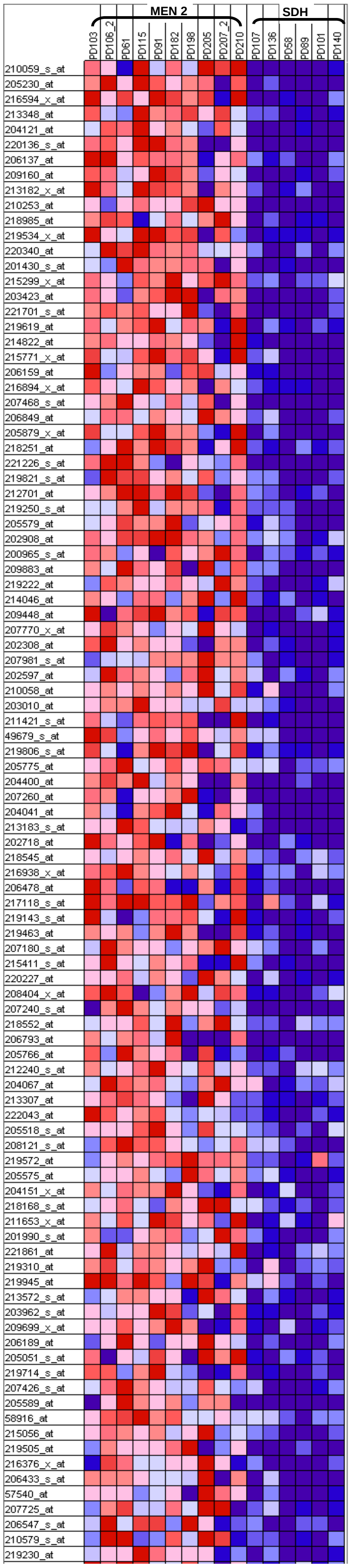


95	MEN2	0.75	206833_s_at	acylphosphatase 2, muscle type
96	MEN2	0.74	217773_s_at	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kD
97	MEN2	0.74	208881_x_at	isopentenyl-diphosphate delta isomerase
98	MEN2	0.74	204851_s_at	doublecortex; lissencephaly, X-linked (doublecortin
99	MEN2	0.74	215715_at	solute carrier family 6 (neurotransmitter transporter, noradrenalin), member 2
100	MEN2	0.74	201814_at	TBC1 domain family, member 5
101	VHL	2.05	204597_x_at	stanniocalcin 1
102	VHL	1.69	207543_s_at	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase
103	VHL	1.61	202998_s_at	lysyl oxidase-like 2
104	VHL	1.54	218974_at	hypothetical protein FLJ10159
105	VHL	1.46	201579_at	FAT tumor suppressor homolog 1 (Drosophila
106	VHL	1.44	202934_at	hexokinase 2
107	VHL	1.39	203438_at	stanniocalcin 2
108	VHL	1.27	217419_x_at	agrin
109	VHL	1.26	200941_at	heat shock factor binding protein 1
110	VHL	1.24	214096_s_at	serine hydroxymethyltransferase 2 (mitochondrial
111	VHL	1.24	214903_at	Homo sapiens clone 24527 mRNA sequence
112	VHL	1.22	212285_s_at	agrin
113	VHL	1.16	203006_at	inositol polyphosphate-5-phosphatase, 40kDa
114	VHL	1.14	205656_at	protocadherin 17
115	VHL	1.14	200632_s_at	N-myc downstream regulated gene 1
116	VHL	1.14	38671_at	KIAA0620 protein
117	VHL	1.09	204348_s_at	adenylate kinase 3
118	VHL	1.09	201102_s_at	phosphofructokinase, liver
119	VHL	1.07	214081_at	tumor endothelial marker 7 precursor
120	VHL	1.07	221261_x_at	MAGE-E1 protein
121	VHL	1.07	212047_s_at	DKFZP566H073 protein
122	VHL	1.05	207196_s_at	Nef-associated factor 1
123	VHL	1.04	201917_s_at	hypothetical protein FLJ10618
124	VHL	1.03	221203_s_at	hypothetical protein FLJ10201
125	VHL	1.03	218825_at	NEU1 protein
126	VHL	1.02	220584_at	hypothetical protein FLJ22184
127	VHL	1.02	202192_s_at	growth arrest-specific 7
128	VHL	1.02	205013_s_at	adenosine A2a receptor
129	VHL	1	201918_at	hypothetical protein FLJ10618
130	VHL	1	214803_at	Homo sapiens mRNA; cDNA DKFZp564N1116 (from clone DKFZp564N1116
131	VHL	1	35156_at	ESTs, Highly similar to T08701 hypothetical protein DKFZp564N123.1 - human
132	VHL	1	221830_at	Homo sapiens cDNA FLJ37267 fis, clone BRAMY2011297
133	VHL	0.99	219165_at	PDZ-LIM protein mystique
134	VHL	0.98	205978_at	klotho
135	VHL	0.98	204595_s_at	stanniocalcin 1
136	VHL	0.96	212707_s_at	Ca2+-promoted Ras inactivator
137	VHL	0.91	219700_at	tumor endothelial marker 7 precursor
138	VHL	0.91	200745_s_at	guanine nucleotide binding protein (G protein), beta polypeptide
139	VHL	0.91	204337_at	regulator of G-protein signalling 4
140	VHL	0.91	218916_at	hypothetical protein FLJ23436
141	VHL	0.9	214177_s_at	hematopoietic PBX-interacting protein
142	VHL	0.9	215543_s_at	like-glycosyltransferase
143	VHL	0.89	216268_s_at	jagged 1 (Alagille syndrome)
144	VHL	0.89	221904_at	hypothetical protein MGC21688
145	VHL	0.89	205902_at	potassium intermediate/small conductance calcium-activated channel, subfamily
146	VHL	0.88	212730_at	desmuslin
147	VHL	0.87	219315_s_at	hypothetical protein FLJ20898
148	VHL	0.87	206385_s_at	ankyrin 3, node of Ranvier (ankyrin G
149	VHL	0.87	201867_s_at	transducin (beta)-like 1X-linked
150	VHL	0.87	65718_at	tumor endothelial marker 5 precursor
151	VHL	0.87	218424_s_at	dudulin 2
152	VHL	0.86	218484_at	NADH:ubiquinone oxidoreductase MLRQ subunit homolog
153	VHL	0.86	208674_x_at	dolichyl-diphosphooligosaccharide-protein glycosyltransferase
154	VHL	0.86	204078_at	nucleolar autoantigen (55kD) similar to rat synaptonemal complex protei
155	VHL	0.86	209392_at	ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin
156	VHL	0.86	218975_at	collagen, type V, alpha 3
157	VHL	0.86	200827_at	procollagen-lysine, 2-oxoglutarate 5-dioxygenase (lysine hydroxylase
158	VHL	0.86	204784_s_at	myeloid leukemia factor 1
159	VHL	0.84	210095_s_at	insulin-like growth factor binding protein 3
160	VHL	0.84	212323_s_at	KIAA0453 protein
161	VHL	0.84	208850_s_at	Thy-1 cell surface antigen
162	VHL	0.84	219410_at	hypothetical protein FLJ10134
163	VHL	0.84	214157_at	GNAS complex locus
164	VHL	0.83	213967_at	Homo sapiens clone 24468 mRNA sequence
165	VHL	0.83	203230_at	dishevelled, dsh homolog 1 (Drosophila
166	VHL	0.83	212985_at	Homo sapiens mRNA; cDNA DKFZp434E033 (from clone DKFZp434E033
167	VHL	0.82	52255_s_at	collagen, type V, alpha 3
168	VHL	0.81	215083_at	Homo sapiens mRNA; cDNA DKFZp564F133 (from clone DKFZp564F133
169	VHL	0.81	210776_x_at	transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47
170	VHL	0.81	209082_s_at	collagen, type XVIII, alpha 1
171	VHL	0.81	212888_at	Homo sapiens cDNA FLJ33775 fis, clone BRSSN2000498
172	VHL	0.81	208824_x_at	PCTAIRE protein kinase 1
173	VHL	0.81	210512_s_at	vascular endothelial growth factor
174	VHL	0.81	210070_s_at	carnitine palmitoyltransferase I, muscle
175	VHL	0.8	220975_s_at	C1q and tumor necrosis factor related protein 1
176	VHL	0.8	205031_at	ephrin-B3
177	VHL	0.8	210740_s_at	inositol 1,3,4-triphosphate 5/6 kinase
178	VHL	0.8	205286_at	transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma
179	VHL	0.79	213355_at	alpha2,3-sialyltransferase
180	VHL	0.79	218001_at	mitochondrial ribosomal protein S2
181	VHL	0.79	215045_at	trinucleotide repeat containing 4
182	VHL	0.79	214098_at	KIAA1107 protein
183	VHL	0.79	220974_x_at	similar to rat tricarboxylate carrier-like protein
184	VHL	0.79	204301_at	KIAA0711 gene product
185	VHL	0.78	209651_at	transforming growth factor beta 1 induced transcript 1
186	VHL	0.78	213869_x_at	Thy-1 cell surface antigen
187	VHL	0.78	214468_at	myosin, heavy polypeptide 6, cardiac muscle, alpha
188	VHL	0.78	213912_at	KIAA0984 protein
189	VHL	0.78	219116_s_at	hypothetical protein FLJ10704
190	VHL	0.78	203673_at	thyroglobulin
191	VHL	0.77	201449_at	Homo sapiens cDNA FLJ36425 fis, clone THYMU2011482
192	VHL	0.77	212058_at	KIAA0332 protein
193	VHL	0.77	210150_s_at	laminin, alpha 5
194	VHL	0.76	221814_at	tumor endothelial marker 5 precursor
195	VHL	0.76	205224_at	surfeit 2
196	VHL	0.76	200088_x_at	ribosomal protein L12
197	VHL	0.76	202593_s_at	membrane interacting protein of RGS16
198	VHL	0.76	206172_at	interleukin 13 receptor, alpha 2
199	VHL	0.76	221427_s_at	likely ortholog of mouse Paneth cell enhanced expression
200	VHL	0.76	205131_x_at	stem cell growth factor; lymphocyte secreted C-type lectin

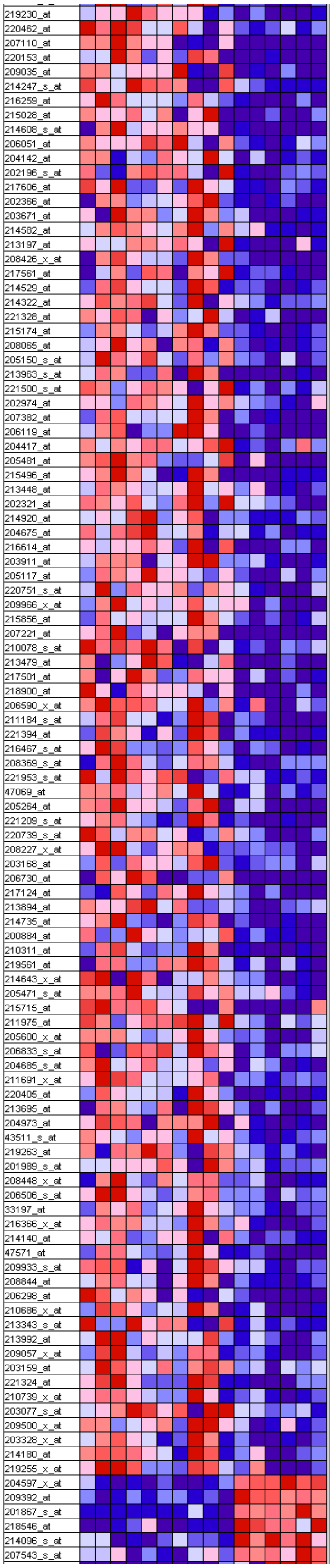


Genes that discriminate MEN2 vs. SDH tumors by supervised learning method
Marker analysis for the Pheochromocytoma MEN2 vs. SDH (16 samples with 10 MEN2A, 5 SDHB, and 1 SDHD
Data thresholded (10 minimum and 16000 maximum) and filtered (5 fold minimum variation and 50 minimum absolute difference) (13153 features passed filterin
Marker analysis using mean based signal-to-noise ratio with significance evaluated with 2000 permutation

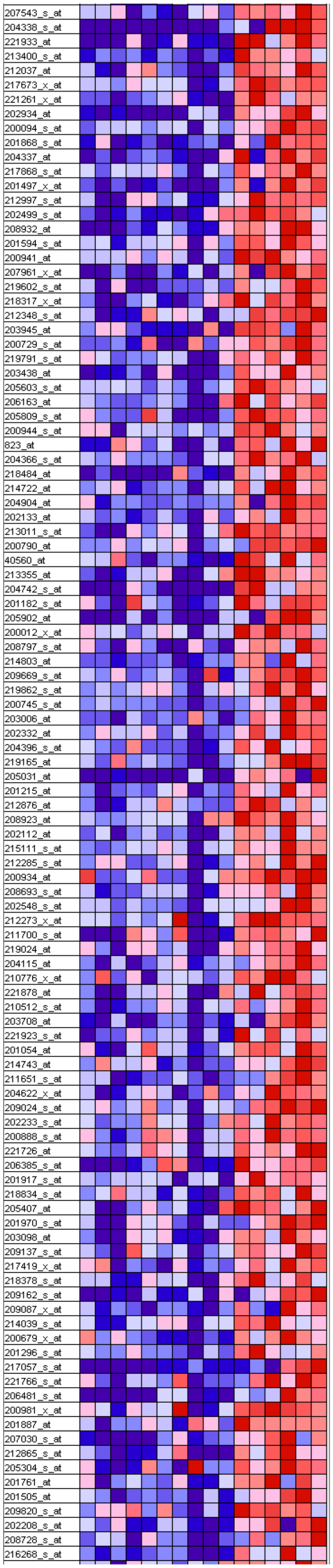
#	Class	Score	Feature	Gene Name
1	MEN2	1.7	210059_s_a	mitogen-activated protein kinase 13
2	MEN2	1.65	205230_at	likely ortholog of mouse rabphilin 3A
3	MEN2	1.63	216594_x_a	aldo-keto reductase family 1, member C2
4	MEN2	1.63	213348_at	cyclin-dependent kinase inhibitor 1C (p57, Kip2
5	MEN2	1.6	204121_at	growth arrest and DNA-damage-inducible, gamma
6	MEN2	1.47	220136_s_a	crystallin, beta A2
7	MEN2	1.46	206137_at	regulating synaptic membrane exocytosis 2
8	MEN2	1.44	209160_at	aldo-keto reductase family 1, member C3
9	MEN2	1.44	213182_x_a	cyclin-dependent kinase inhibitor 1C (p57, Kip2
10	MEN2	1.44	210253_at	HIV-1 Tat interactive protein 2, 30kDa
11	MEN2	1.43	218985_at	solute carrier family 2, (facilitated glucose transporter) member 8
12	MEN2	1.4	219534_x_a	cyclin-dependent kinase inhibitor 1C (p57, Kip2
13	MEN2	1.38	220340_at	hypothetical protein FLJ13687
14	MEN2	1.37	201430_s_a	dihydropyrimidinase-like 3
15	MEN2	1.36	215299_x_a	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1
16	MEN2	1.34	203423_at	retinol binding protein 1, cellular
17	MEN2	1.34	221701_s_a	hypothetical protein FLJ12541 similar to Stra6
18	MEN2	1.33	219619_at	Di-Ras2
19	MEN2	1.32	214822_at	hypothetical protein from clone 24828
20	MEN2	1.31	215771_x_a	ret proto-oncogene
21	MEN2	1.31	206159_at	growth differentiation factor 10
22	MEN2	1.28	216894_x_a	accession number D64137
23	MEN2	1.28	207468_s_a	secreted frizzled-related protein 5
24	MEN2	1.27	206849_at	gamma-aminobutyric acid (GABA) A receptor, gamma 2
25	MEN2	1.26	205879_x_a	ret proto-oncogene
26	MEN2	1.24	218251_at	hypothetical protein STRAIT11499
27	MEN2	1.24	221226_s_a	putative acid-sensing ion channe
28	MEN2	1.23	219821_s_a	hypothetical protein FLJ20330
29	MEN2	1.23	212701_at	talin 2
30	MEN2	1.22	219250_s_a	fibronectin leucine rich transmembrane protein 3
31	MEN2	1.2	205579_at	histamine receptor H1
32	MEN2	1.2	202908_at	Wolfram syndrome 1 (wolframin)
33	MEN2	1.19	200965_s_a	actin binding LIM protein 1
34	MEN2	1.19	209883_at	chromosome 1 open reading frame 17
35	MEN2	1.17	219222_at	ribokinase
36	MEN2	1.17	214046_at	Homo sapiens mRNA; cDNA DKFZp686F1844 (from clone DKFZp686F1844
37	MEN2	1.16	209448_at	HIV-1 Tat interactive protein 2, 30kDa
38	MEN2	1.16	207770_x_a	chorionic somatomammotropin hormone 2
39	MEN2	1.15	202308_at	sterol regulatory element binding transcription factor 1
40	MEN2	1.15	207981_s_a	estrogen-related receptor gamma
41	MEN2	1.14	202597_at	ESTs
42	MEN2	1.13	210058_at	mitogen-activated protein kinase 13
43	MEN2	1.12	203010_at	signal transducer and activator of transcription 5A
44	MEN2	1.12	211421_s_a	ret proto-oncogene
45	MEN2	1.12	49679_s_at	matrix metalloproteinase 24 (membrane-inserted)
46	MEN2	1.11	219806_s_a	FN5 protein
47	MEN2	1.11	205775_at	DNA segment on chromosome 6(unique) 2654 expressed sequenc
48	MEN2	1.11	204400_at	signal transduction protein (SH3 containing
49	MEN2	1.1	207260_at	FEV protein
50	MEN2	1.08	204041_at	monoamine oxidase B
51	MEN2	1.08	213183_s_a	cyclin-dependent kinase inhibitor 1C (p57, Kip2
52	MEN2	1.07	202718_at	insulin-like growth factor binding protein 2, 36kDa
53	MEN2	1.07	218545_at	hypothetical protein FLJ11088
54	MEN2	1.07	216938_x_a	dopamine receptor D2
55	MEN2	1.06	206478_at	KIAA0125 gene product
56	MEN2	1.06	217118_s_a	KIAA0930 protein
57	MEN2	1.06	219143_s_a	hypothetical protein FLJ20374
58	MEN2	1.06	219463_at	chromosome 20 open reading frame 103
59	MEN2	1.05	207180_s_a	HIV-1 Tat interactive protein 2, 30kDa
60	MEN2	1.05	215411_s_a	chromosome 6 open reading frame 4
61	MEN2	1.04	220227_at	hypothetical protein FLJ22202
62	MEN2	1.04	208404_x_a	potassium inwardly-rectifying channel, subfamily J, member 5
63	MEN2	1.04	207240_s_a	luteinizing hormone/choriogonadotropin recepto
64	MEN2	1.03	218552_at	hypothetical protein FLJ10948
65	MEN2	1.03	206793_at	phenylethanolamine N-methyltransferase
66	MEN2	1.03	205766_at	titin-cap (telethonin)
67	MEN2	1.01	212240_s_a	phosphoinositide-3-kinase, regulatory subunit, polypeptide 1 (p85 alpha
68	MEN2	1.01	204067_at	sulfite oxidase
69	MEN2	1.01	213307_at	SH3 and multiple ankyrin repeat domains 2
70	MEN2	1.01	222043_at	clusterin (complement lysis inhibitor, SP-40,40, sulfated glycoprotein 2
71	MEN2	1	205518_s_a	cytidine monophosphate-N-acetylneuraminic acid hydroxylase
72	MEN2	1	208121_s_a	accession number NM_002848.2
73	MEN2	0.99	219572_at	hypothetical protein FLJ20761
74	MEN2	0.98	205575_at	C1q-related factor
75	MEN2	0.98	204151_x_a	aldo-keto reductase family 1, member C1
76	MEN2	0.98	218168_s_a	chaperone, ABC1 activity of bc1 complex like (S. pombe
77	MEN2	0.97	211653_x_a	aldo-keto reductase family 1, member C2
78	MEN2	0.97	201990_s_a	cAMP responsive element binding protein-like 2
79	MEN2	0.97	221861_at	Homo sapiens mRNA; cDNA DKFZp762M127 (from clone DKFZp762M127
80	MEN2	0.97	219310_at	chromosome 20 open reading frame 39
81	MEN2	0.97	219945_at	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 25
82	MEN2	0.96	213572_s_a	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member
83	MEN2	0.96	203962_s_a	nebulette
84	MEN2	0.96	209699_x_a	aldo-keto reductase family 1, member C2
85	MEN2	0.96	206189_at	unc-5 homolog B (C. elegans)
86	MEN2	0.96	205051_s_a	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
87	MEN2	0.96	219714_s_a	calcium channel, voltage-dependent, alpha 2/delta 3 subun
88	MEN2	0.96	207426_s_a	tumor necrosis factor (ligand) superfamily, member 4
89	MEN2	0.95	205589_at	myosin, light polypeptide 3, alkali; ventricular, skeletal, slow
90	MEN2	0.95	58916_at	hypothetical protein MGC2376
91	MEN2	0.95	215056_at	Human clone 23695 mRNA sequence
92	MEN2	0.94	219505_at	cat eye syndrome chromosome region, candidate 1
93	MEN2	0.94	216376_x_a	accession number AC006371
94	MEN2	0.94	206433_s_a	testican 3
95	MEN2	0.94	57540_at	ribokinase
96	MEN2	0.94	207725_at	POU domain, class 4, transcription factor 2
97	MEN2	0.94	206547_s_a	protein phosphatase, EF hand calcium-binding domain
98	MEN2	0.93	210579_s_a	tripartite motif-containing 10



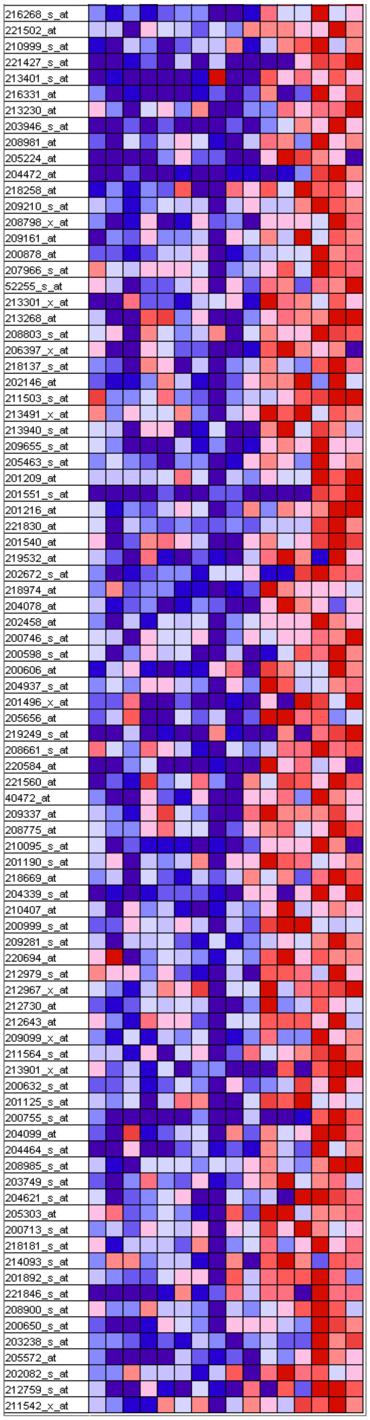
99	MEN2	0.93	219230_at	hypothetical protein FLJ1097
100	MEN2	0.93	220462_at	hypothetical protein FLJ1170
101	MEN2	0.93	207110_at	potassium inwardly-rectifying channel, subfamily J, member 1
102	MEN2	0.93	220153_at	lysosomal apyrase-like protein 1
103	MEN2	0.93	209035_at	midkine (neurite growth-promoting factor 2
104	MEN2	0.93	214247_s_a	dickkopf homolog 3 (Xenopus laevis
105	MEN2	0.92	216259_at	Human clone IMAGE:35527 unknown protein mRNA, partial cd
106	MEN2	0.92	215028_at	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6
107	MEN2	0.91	214608_s_a	eyes absent homolog 1 (Drosophila
108	MEN2	0.91	206051_at	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen
109	MEN2	0.91	204142_at	rTS beta protein
110	MEN2	0.91	202196_s_a	dickkopf homolog 3 (Xenopus laevis
111	MEN2	0.91	217606_at	Homo sapiens mRNA; cDNA DKFZp686P24158 (from clone DKFZp686P24158
112	MEN2	0.9	202366_at	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chai
113	MEN2	0.9	203671_at	thiopurine S-methyltransferas
114	MEN2	0.9	214582_at	phosphodiesterase 3B, cGMP-inhibite
115	MEN2	0.9	213197_at	astrotactin
116	MEN2	0.9	208426_x_a	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail,
117	MEN2	0.9	217561_at	ESTs, Highly similar to 1005250A calcitonin gene related peptide
118	MEN2	0.9	214529_at	thyroid stimulating hormone, beta
119	MEN2	0.9	214322_at	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamm
120	MEN2	0.89	221328_at	claudin 17
121	MEN2	0.89	215174_at	ESTs, Weakly similar to FMO3_HUMAN Dimethylaniline monooxygenas
122	MEN2	0.89	208065_at	sialyltransferase 8C (alpha2,3Galbeta1,4GlcNAcalpha 2,8-sialyltransferase
123	MEN2	0.88	205150_s_a	KIAA0644 gene produc
124	MEN2	0.88	213963_s_a	sin3-associated polypeptide, 30kD
125	MEN2	0.88	221500_s_a	ESTs, Moderately similar to hypothetical protein FLJ20489 [Homo sapiens
126	MEN2	0.88	202974_at	membrane protein, palmitoylated 1, 55kD
127	MEN2	0.88	207382_at	tumor protein p63
128	MEN2	0.88	206119_at	betaine-homocysteine methyltransferas
129	MEN2	0.88	204417_at	galactosylceramidase (Krabbe disease)
130	MEN2	0.88	205481_at	adenosine A1 recepto
131	MEN2	0.88	215496_at	KIAA1053 protei
132	MEN2	0.87	213448_at	Homo sapiens cDNA FLJ31688 fis, clone NT2RI200552
133	MEN2	0.87	202321_at	geranylgeranyl diphosphate synthase
134	MEN2	0.87	214920_at	Homo sapiens cDNA FLJ11022 fis, clone PLACE100377
135	MEN2	0.87	204675_at	steroid-5-alpha-reductase, alpha polypeptide 1
136	MEN2	0.87	216614_at	Homo sapiens mRNA; cDNA DKFZp564F212 (from clone DKFZp564F212
137	MEN2	0.87	203911_at	RAP1, GTPase activating protein 1
138	MEN2	0.87	205117_at	fibroblast growth factor 1 (acidic)
139	MEN2	0.87	220751_s_a	chromosome 5 open reading frame 4
140	MEN2	0.86	209966_x_a	estrogen-related receptor gamma
141	MEN2	0.86	215856_at	Homo sapiens cDNA FLJ38113 fis, clone D3OST200241
142	MEN2	0.86	207221_at	coagulation factor II (thrombin) receptor-like
143	MEN2	0.86	210078_s_a	potassium voltage-gated channel, shaker-related subfamily, beta member
144	MEN2	0.86	213479_at	neuronal pentraxin I
145	MEN2	0.86	217501_at	WD40 protein Ciao1
146	MEN2	0.86	218900_at	cyclin M4
147	MEN2	0.85	206590_x_a	dopamine receptor D2
148	MEN2	0.85	211184_s_a	PDZ-73 protein
149	MEN2	0.85	221394_at	G protein-coupled receptor 58
150	MEN2	0.85	216467_s_a	Homo sapiens mRNA; cDNA DKFZp564L102 (from clone DKFZp564L102
151	MEN2	0.85	208369_s_a	glutaryl-Coenzyme A dehydrogenas
152	MEN2	0.85	221953_s_a	matrix metalloproteinase 24 (membrane-inserted)
153	MEN2	0.85	47069_at	Rho GTPase activating protein 8
154	MEN2	0.85	205264_at	CD3-epsilon-associated protein; antisense to ERCC-
155	MEN2	0.85	221209_s_a	otoraplin
156	MEN2	0.85	220739_s_a	cyclin M3
157	MEN2	0.85	208227_x_a	a disintegrin and metalloproteinase domain 2
158	MEN2	0.85	203168_at	cAMP responsive element binding protein-like
159	MEN2	0.85	206730_at	glutamate receptor, ionotrophic, AMPA
160	MEN2	0.84	217124_at	hypothetical protein DKFZp434P121
161	MEN2	0.84	213894_at	KIAA0960 protei
162	MEN2	0.84	214735_at	phosphoinositide-binding protein PIP3-
163	MEN2	0.84	200884_at	creatine kinase, brai
164	MEN2	0.84	210311_at	fibroblast growth factor 5
165	MEN2	0.84	219561_at	COPZ2 for nonclathrin coat protein zeta-CO
166	MEN2	0.84	214643_x_a	bridging integrator 1
167	MEN2	0.83	205471_s_a	dachshund homolog (Drosophila
168	MEN2	0.83	215715_at	solute carrier family 6 (neurotransmitter transporter, noradrenalin), member
169	MEN2	0.83	211975_at	zinc finger protein 289, ID1 regulate
170	MEN2	0.83	205600_x_a	homeo box B5
171	MEN2	0.83	206833_s_a	acylphosphatase 2, muscle typ
172	MEN2	0.83	204685_s_a	ATPase, Ca++ transporting, plasma membrane
173	MEN2	0.83	211691_x_a	accession number AF293339.
174	MEN2	0.83	220405_at	syntrophin, gamma 1
175	MEN2	0.83	213695_at	paraoxonase 3
176	MEN2	0.83	204973_at	gap junction protein, beta 1, 32kDa (connexin 32
177	MEN2	0.83	43511_s_at	Homo sapiens mRNA; cDNA DKFZp762M127 (from clone DKFZp762M127
178	MEN2	0.83	219263_at	hypothetical protein FLJ2351
179	MEN2	0.83	201989_s_a	cAMP responsive element binding protein-like
180	MEN2	0.82	208448_x_a	interferon, alpha 1
181	MEN2	0.82	206506_s_a	suppressor of Ty 3 homolog (S. cerevisiae)
182	MEN2	0.82	33197_at	myosin VIIA (Usher syndrome 1B (autosomal recessive, severe)
183	MEN2	0.82	216366_x_a	accession number AF047245.
184	MEN2	0.82	214140_at	hypothetical protein MGC3985
185	MEN2	0.82	47571_at	zinc finger protein 23
186	MEN2	0.82	209933_s_a	leukocyte membrane antige
187	MEN2	0.82	208844_at	voltage-dependent anion channel
188	MEN2	0.81	206298_at	hypothetical protein from clones 23549 and 2376
189	MEN2	0.81	210686_x_a	solute carrier family 25 (mitochondrial carrier), member 1
190	MEN2	0.81	213343_s_a	hypothetical protein PP166
191	MEN2	0.81	213992_at	collagen, type IV, alpha
192	MEN2	0.81	209057_x_a	CDC5 cell division cycle 5-like (S. pombe)
193	MEN2	0.81	203159_at	glutaminase
194	MEN2	0.81	221324_at	taste receptor, type 2, member 1
195	MEN2	0.81	210739_x_a	solute carrier family 4, sodium bicarbonate cotransporter, member
196	MEN2	0.81	203077_s_a	MAD, mothers against decapentaplegic homolog 2 (Drosophila
197	MEN2	0.81	209500_x_a	tumor necrosis factor (ligand) superfamily, member 1
198	MEN2	0.81	203328_x_a	insulin-degrading enzym
199	MEN2	0.81	214180_at	Homo sapiens mRNA; cDNA DKFZp564H203 (from clone DKFZp564H203
200	MEN2	0.8	219255_x_a	interleukin 17B recepto
201	SDH	2.57	204597_x_a	stanniocalcin 1
202	SDH	1.96	209392_at	ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxi
203	SDH	1.73	201867_s_a	transducin (beta)-like 1X-linke
204	SDH	1.68	218546_at	hypothetical protein FLJ1414
205	SDH	1.47	214096_s_a	serine hydroxymethyltransferase 2 (mitochondrial



206	SDH	1.32	207543_s_a	procollagen-proline, 2-oxoglutarate 4-dioxygenase alpha polypeptide
207	SDH	1.31	204338_s_a	regulator of G-protein signalling 4
208	SDH	1.29	221933_at	neuroligin
209	SDH	1.28	213400_s_a	transducin (beta)-like 1X-linked
210	SDH	1.25	212037_at	pinin, desmosome associated protein
211	SDH	1.23	217673_x_a	accession number AA650558
212	SDH	1.22	221261_x_a	MAGE-E1 protein
213	SDH	1.21	202934_at	hexokinase 2
214	SDH	1.21	200094_s_a	eukaryotic translation elongation factor 2
215	SDH	1.21	201868_s_a	transducin (beta)-like 1X-linked
216	SDH	1.2	204337_at	regulator of G-protein signalling 4
217	SDH	1.19	217868_s_a	CGI-81 protein
218	SDH	1.18	201497_x_a	myosin, heavy polypeptide 11, smooth muscle
219	SDH	1.17	212997_s_a	tousled-like kinase 2
220	SDH	1.16	202499_s_a	solute carrier family 2 (facilitated glucose transporter), member 3
221	SDH	1.16	208932_at	protein phosphatase 4 (formerly X), catalytic subuni
222	SDH	1.14	201594_s_a	protein phosphatase 4, regulatory subunit 1
223	SDH	1.14	200941_at	heat shock factor binding protein 1
224	SDH	1.13	207961_x_a	myosin, heavy polypeptide 11, smooth muscle
225	SDH	1.13	219602_s_a	hypothetical protein FLJ23403
226	SDH	1.12	218317_x_a	hypothetical protein MGC5178
227	SDH	1.09	212348_s_a	KIAA0601 protein
228	SDH	1.08	203945_at	arginase, type II
229	SDH	1.08	200729_s_a	ARP2 actin-related protein 2 homolog (yeast
230	SDH	1.08	219791_s_a	hypothetical protein FLJ11539
231	SDH	1.07	203438_at	stanniocalcin 2
232	SDH	1.07	205603_s_a	diaphanous homolog 2 (Drosophila
233	SDH	1.07	206163_at	mab-21-like 1 (C. elegans)
234	SDH	1.07	205809_s_a	Wiskott-Aldrich syndrome-like
235	SDH	1.07	200944_s_a	high-mobility group nucleosome binding domain 1
236	SDH	1.05	823_at	chemokine (C-X3-C motif) ligand 1
237	SDH	1.04	204366_s_a	general transcription factor IIIC, polypeptide 2, beta 110kDa
238	SDH	1.04	218484_at	NADH:ubiquinone oxidoreductase MLRQ subunit homolog
239	SDH	1.04	214722_at	ESTs, Weakly similar to hypothetical protein FLJ20378
240	SDH	1.03	204904_at	gap junction protein, alpha 4, 37kDa (connexin 37
241	SDH	1.02	202133_at	transcriptional co-activator with PDZ-binding motif (TAZ
242	SDH	1.02	213011_s_a	triosephosphate isomerase 1
243	SDH	1.01	200790_at	ornithine decarboxylase 1
244	SDH	1.01	40560_at	T-box 2
245	SDH	1.01	213355_at	alpha2,3-sialyltransferase
246	SDH	1	204742_s_a	androgen-induced prostate proliferative shutoff associated protei
247	SDH	1	201182_s_a	chromodomain helicase DNA binding protein 4
248	SDH	0.98	205902_at	potassium intermediate/small conductance calcium-activated channel, subfamily
249	SDH	0.97	200012_x_a	ribosomal protein L21
250	SDH	0.97	208797_s_a	golgin-67
251	SDH	0.96	214803_at	Homo sapiens mRNA; cDNA DKFZp564N1116 (from clone DKFZp564N1116
252	SDH	0.96	209669_s_a	PAI-1 mRNA-binding protein
253	SDH	0.96	219862_s_a	nuclear prelamin A recognition factor
254	SDH	0.96	200745_s_a	guanine nucleotide binding protein (G protein), beta polypeptide
255	SDH	0.96	203006_at	inositol polyphosphate-5-phosphatase, 40kDa
256	SDH	0.95	202332_at	casein kinase 1, epsilon
257	SDH	0.95	204396_s_a	G protein-coupled receptor kinase 5
258	SDH	0.95	219165_at	PDZ-LIM protein mystique
259	SDH	0.95	205031_at	ephrin-B3
260	SDH	0.94	201215_at	plastin 3 (T isoform)
261	SDH	0.94	212876_at	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 4
262	SDH	0.94	208923_at	cytoplasmic FMR1 interacting protein 1
263	SDH	0.94	202112_at	von Willebrand factor
264	SDH	0.94	215111_s_a	transforming growth factor beta-stimulated protein TSC-22
265	SDH	0.94	212285_s_a	agrin
266	SDH	0.94	200934_at	DEK oncogene (DNA binding)
267	SDH	0.93	208693_s_a	glycyl-tRNA synthetase
268	SDH	0.93	202548_s_a	Rho guanine nucleotide exchange factor (GEF) 7
269	SDH	0.93	212273_x_a	GNAS complex locus
270	SDH	0.93	211700_s_a	trophinin
271	SDH	0.93	219024_at	pleckstrin homology domain containing, family A member 1
272	SDH	0.92	204115_at	guanine nucleotide binding protein 11
273	SDH	0.91	210776_x_a	transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47
274	SDH	0.91	221878_at	Homo sapiens cDNA FLJ35653 fis, clone SPLEN2013690
275	SDH	0.91	210512_s_a	vascular endothelial growth factor
276	SDH	0.9	203708_at	phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog
277	SDH	0.9	221923_s_a	nucleophosmin (nucleolar phosphoprotein B23, numatrin
278	SDH	0.9	201054_at	heterogeneous nuclear ribonucleoprotein A0
279	SDH	0.9	214743_at	cut-like 1, CCAAT displacement protein (Drosophila
280	SDH	0.9	211651_s_a	accession number M20206.1
281	SDH	0.89	204622_x_a	nuclear receptor subfamily 4, group A, member 2
282	SDH	0.89	209024_s_a	NS1-associated protein 1
283	SDH	0.89	202233_s_a	ubiquinol-cytochrome c reductase hinge protein
284	SDH	0.88	200888_s_a	ribosomal protein L23
285	SDH	0.88	221726_at	ribosomal protein L22
286	SDH	0.88	206385_s_a	ankyrin 3, node of Ranvier (ankyrin G
287	SDH	0.88	201917_s_a	hypothetical protein FLJ10618
288	SDH	0.88	218834_s_a	hypothetical protein FLJ20539
289	SDH	0.87	205407_at	reversion-inducing-cysteine-rich protein with kazal motifs
290	SDH	0.87	201970_s_a	nuclear autoantigenic sperm protein (histone-binding
291	SDH	0.87	203098_at	chromodomain protein, Y chromosome-like
292	SDH	0.86	209137_s_a	ubiquitin specific protease 10
293	SDH	0.86	217419_x_a	agrin
294	SDH	0.85	218378_s_a	hypothetical protein FLJ13902
295	SDH	0.85	209162_s_a	PRP4 pre-mRNA processing factor 4 homolog (yeast)
296	SDH	0.85	209087_x_a	melanoma cell adhesion molecule
297	SDH	0.85	214039_s_a	putative integral membrane transporter
298	SDH	0.85	200679_x_a	high-mobility group box 1
299	SDH	0.85	201296_s_a	SOCS box-containing WD protein SWiP-1
300	SDH	0.85	217057_s_a	accession number AF107846
301	SDH	0.85	221766_s_a	chromosome 6 open reading frame 37
302	SDH	0.85	206481_s_a	LIM domain binding 2
303	SDH	0.84	200981_x_a	GNAS complex locus
304	SDH	0.84	201887_at	interleukin 13 receptor, alpha 1
305	SDH	0.84	207030_s_a	cysteine and glycine-rich protein 2
306	SDH	0.84	212865_s_a	collagen, type XIV, alpha 1 (undulin
307	SDH	0.84	205304_s_a	potassium inwardly-rectifying channel, subfamily J, member 8
308	SDH	0.84	201761_at	methylene tetrahydrofolate dehydrogenase (NAD+ dependent
309	SDH	0.84	201505_at	laminin, beta 1
310	SDH	0.84	209820_s_a	transducin (beta)-like 3
311	SDH	0.83	202208_s_a	ADP-ribosylation factor-like 7
312	SDH	0.83	208728_s_a	cell division cycle 42 (GTP binding protein, 25kDa



313	SDH	0.83	216268_s_a	jagged 1 (Alagille syndrome)
314	SDH	0.83	221502_at	karyopherin alpha 3 (importin alpha 4
315	SDH	0.82	210999_s_a	growth factor receptor-bound protein 10
316	SDH	0.82	221427_s_a	likely ortholog of mouse Paneth cell enhanced expressio
317	SDH	0.82	213401_s_a	transducin (beta)-like 1X-linked
318	SDH	0.82	216331_at	integrin, alpha 7
319	SDH	0.82	213230_at	paraneoplastic antigen
320	SDH	0.82	203946_s_a	arginase, type II
321	SDH	0.82	208981_at	platelet/endothelial cell adhesion molecule (CD31 antigen
322	SDH	0.82	205224_at	surfeit 2
323	SDH	0.82	204472_at	GTP binding protein overexpressed in skeletal muscle
324	SDH	0.81	218258_at	RNA polymerase I 16 kDa subunit
325	SDH	0.81	209210_s_a	mitogen inducible 2
326	SDH	0.81	208798_x_a	golgin-67
327	SDH	0.81	209161_at	PRP4 pre-mRNA processing factor 4 homolog (yeast)
328	SDH	0.81	200878_at	Homo sapiens clone 23698 mRNA sequence
329	SDH	0.81	207966_s_a	golgi apparatus protein 1
330	SDH	0.81	52255_s_at	collagen, type V, alpha 3
331	SDH	0.81	213301_x_a	transcriptional intermediary factor 1
332	SDH	0.8	213268_at	accession number Z98884
333	SDH	0.8	208803_s_a	signal recognition particle 72kDa
334	SDH	0.8	206397_x_a	growth differentiation factor 1
335	SDH	0.8	218137_s_a	stromal membrane-associated protein
336	SDH	0.8	202146_at	interferon-related developmental regulator 1
337	SDH	0.8	211503_s_a	RAB14, member RAS oncogene family
338	SDH	0.8	213491_x_a	ribophorin II
339	SDH	0.8	213940_s_a	formin-binding protein 17
340	SDH	0.8	209655_s_a	brain cell membrane protein 1
341	SDH	0.8	205463_s_a	platelet-derived growth factor alpha polypeptide
342	SDH	0.8	201209_at	histone deacetylase 1
343	SDH	0.8	201551_s_a	lysosomal-associated membrane protein 1
344	SDH	0.8	201216_at	chromosome 12 open reading frame 8
345	SDH	0.8	221830_at	Homo sapiens cDNA FLJ37267 fis, clone BRAMY2011297
346	SDH	0.79	201540_at	four and a half LIM domains 1
347	SDH	0.79	219532_at	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like
348	SDH	0.79	202672_s_a	activating transcription factor 3
349	SDH	0.79	218974_at	hypothetical protein FLJ10159
350	SDH	0.79	204078_at	nucleolar autoantigen (55kD) similar to rat synaptonemal complex protei
351	SDH	0.79	202458_at	protease, serine, 23
352	SDH	0.79	200746_s_a	guanine nucleotide binding protein (G protein), beta polypeptide
353	SDH	0.78	200598_s_a	tumor rejection antigen (gp96) 1
354	SDH	0.78	200606_at	desmoplakin (DPI, DPII)
355	SDH	0.78	204937_s_a	zinc finger protein 274
356	SDH	0.78	201496_x_a	myosin, heavy polypeptide 11, smooth muscle
357	SDH	0.78	205656_at	protocadherin 17
358	SDH	0.78	219249_s_a	FK506 binding protein 10, 65 kDa
359	SDH	0.77	208661_s_a	tetratricopeptide repeat domain 3
360	SDH	0.77	220584_at	hypothetical protein FLJ22184
361	SDH	0.77	221560_at	MAP/microtubule affinity-regulating kinase 4
362	SDH	0.77	40472_at	Homo sapiens clone 23763 unknown mRNA, partial cds
363	SDH	0.77	209337_at	PC4 and SFRS1 interacting protein 2
364	SDH	0.77	208775_at	exportin 1 (CRM1 homolog, yeast)
365	SDH	0.77	210095_s_a	insulin-like growth factor binding protein 3
366	SDH	0.77	201190_s_a	phosphotidylinositol transfer protein
367	SDH	0.77	218669_at	hypothetical protein similar to small G proteins, especially RAP-2A
368	SDH	0.77	204339_s_a	regulator of G-protein signalling 4
369	SDH	0.76	210407_at	protein phosphatase 1A (formerly 2C), magnesium-dependent, alpha isoform
370	SDH	0.76	200999_s_a	cytoskeleton-associated protein 4
371	SDH	0.76	209281_s_a	ATPase, Ca++ transporting, plasma membrane 1
372	SDH	0.76	220694_at	HSPC054 protein
373	SDH	0.76	212979_s_a	KIAA0738 gene product
374	SDH	0.76	212967_x_a	nucleosome assembly protein 1-like 1
375	SDH	0.76	212730_at	desmuslin
376	SDH	0.75	212643_at	likely ortholog of mouse MAPK-interacting and spindle-stabilizing protei
377	SDH	0.75	209099_x_a	jagged 1 (Alagille syndrome)
378	SDH	0.75	211564_s_a	LIM domain protein
379	SDH	0.75	213901_x_a	RNA binding motif protein 9
380	SDH	0.75	200632_s_a	N-myc downstream regulated gene 1
381	SDH	0.75	201125_s_a	integrin, beta 5
382	SDH	0.75	200755_s_a	calumenin
383	SDH	0.74	204099_at	SWI/SNF related, matrix associated,regulator of chromatin, subfamily d, member 3
384	SDH	0.74	204464_s_a	endothelin receptor type A
385	SDH	0.74	208985_s_a	eukaryotic translation initiation factor 3, subunit 1 alpha, 35kD
386	SDH	0.74	203749_s_a	retinoic acid receptor, alpha
387	SDH	0.74	204621_s_a	nuclear receptor subfamily 4, group A, member 2
388	SDH	0.74	205303_at	potassium inwardly-rectifying channel, subfamily J, member 8
389	SDH	0.74	200713_s_a	microtubule-associated protein, RP/EB family, member 1
390	SDH	0.74	218181_s_a	hypothetical protein FLJ20373
391	SDH	0.74	214093_s_a	Homo sapiens mRNA; cDNA DKFZp564O0122 (from clone DKFZp564O0122
392	SDH	0.74	201892_s_a	IMP (inosine monophosphate) dehydrogenase
393	SDH	0.74	221846_s_a	cask-interacting protein 2
394	SDH	0.73	208900_s_a	topoisomerase (DNA) I
395	SDH	0.73	200650_s_a	lactate dehydrogenase A
396	SDH	0.73	203238_s_a	Notch homolog 3 (Drosophila)
397	SDH	0.73	205572_at	angiopoietin 2
398	SDH	0.73	202082_s_a	SEC14-like 1 (S. cerevisiae)
399	SDH	0.73	212759_s_a	transcription factor 7-like 2 (T-cell specific, HMG-box
400	SDH	0.73	211542_x_a	ribosomal protein S10



Application of the two-class prediction models to a test set made up of the entire dataset

MEN2 vs. VHL model		**MEN2 vs. SDH model**		**FPT vs. VHL model**		**FPT vs. SDH model**			
Sample	**Predicted**	**Sample**	**Predicted**	**Sample**	**Predicted**	**Sample**	**Predicted**	**Observed**	**Cluster mem**
P101	VHL	P101	SDH	P101	VHL	P101	SDH	B_SDHB	1
P103	MEN2	P103	MEN2	P103	FPT	P103	FPT	MEN2A	2
P105	MEN2	P105	MEN2	P105	FPT	P105	FPT	SPOR	2
P106	MEN2	P106	MEN2	P106	FPT	P106	FPT	MEN2A	2
P107	VHL	P107	SDH	P107	VHL	P107	SDH	B_SDHB	1
P108	MEN2	P108	MEN2	P108	FPT	P108	FPT	SPOR	2
P111	MEN2	P111	MEN2	P111	FPT	P111	FPT	SPOR	2
P112	VHL	P112	MEN2	P112	FPT	P112	FPT	SPOR	2
P115	MEN2	P115	MEN2	P115	FPT	P115	FPT	MEN2A	2
P120	VHL	P120	SDH	P120	VHL	P120	SDH	SPOR	1
P122	MEN2	P122	MEN2	P122	FPT	P122	FPT	SPOR	2
P128	VHL	P128	MEN2	P128	VHL	P128	SDH	SPOR	1
P136	VHL	P136	SDH	P136	VHL	P136	SDH	B_SDHB	1
P140	VHL	P140	SDH	P140	VHL	P140	SDH	D_SDHD	1
P142	VHL	P142	SDH	P142	VHL	P142	SDH	VHL	1
P143	MEN2	P143	MEN2	P143	FPT	P143	FPT	NF1	2
P144	VHL	P144	SDH	P144	VHL	P144	FPT	SPOR	2
P145	MEN2	P145	MEN2	P145	FPT	P145	FPT	FP2	2
P146	MEN2	P146	MEN2	P146	FPT	P146	FPT	SPOR	2
P148	MEN2	P148	MEN2	P148	FPT	P148	FPT	SPOR	2
P149	MEN2	P149	MEN2	P149	FPT	P149	FPT	FP2	2
P150	MEN2	P150	MEN2	P150	FPT	P150	FPT	SPOR	2
P152	VHL	P152	SDH	P152	VHL	P152	SDH	FP3	1
P153	VHL	P153	SDH	P153	VHL	P153	SDH	VHL	1
P154	VHL	P154	SDH	P154	VHL	P154	SDH	VHL	1
P155	VHL	P155	MEN2	P155	VHL	P155	SDH	VHL	1
P156	VHL	P156	SDH	P156	VHL	P156	SDH	VHL	1
P157	MEN2	P157	MEN2	P157	VHL	P157	FPT	SPOR	2
P158	VHL	P158	SDH	P158	VHL	P158	SDH	SPOR	1
P16	VHL	P16	SDH	P16	VHL	P16	SDH	SPOR	1
P166	MEN2	P166	MEN2	P166	FPT	P166	FPT	SPOR	2
P167	MEN2	P167	MEN2	P167	FPT	P167	FPT	NF1	2
P171	MEN2	P171	MEN2	P171	FPT	P171	FPT	FP1	2
P172	MEN2	P172	MEN2	P172	FPT	P172	FPT	SPOR	2
P173	MEN2	P173	MEN2	P173	FPT	P173	FPT	SPOR	2
P174	MEN2	P174	MEN2	P174	FPT	P174	FPT	SPOR	2
P175	MEN2	P175	MEN2	P175	VHL	P175	FPT	SPOR	2
P176	MEN2	P176	MEN2	P176	FPT	P176	FPT	SPOR	2
P177	MEN2	P177	MEN2	P177	FPT	P177	FPT	SPOR	2
P178	MEN2	P178	MEN2	P178	FPT	P178	FPT	SPOR	2
P181	MEN2	P181	MEN2	P181	FPT	P181	FPT	SPOR	2
P182	MEN2	P182	MEN2	P182	FPT	P182	FPT	MEN2A	2
P188	MEN2	P188	MEN2	P188	FPT	P188	FPT	SPOR	2
P192	VHL	P192	MEN2	P192	VHL	P192	SDH	VHL	1
P195	MEN2	P195	MEN2	P195	FPT	P195	FPT	FP2	2
P196	MEN2	P196	MEN2	P196	FPT	P196	FPT	FP4	2
P197	MEN2	P197	MEN2	P197	FPT	P197	FPT	FP4	2
P198	MEN2	P198	MEN2	P198	FPT	P198	FPT	MEN2A	2
P203	VHL	P203	SDH	P203	VHL	P203	FPT	SPOR	1
P204	MEN2	P204	MEN2	P204	FPT	P204	FPT	SPOR	2
P205	MEN2	P205	MEN2	P205	FPT	P205	FPT	MEN2A	2
P207	MEN2	P207	MEN2	P207	FPT	P207	FPT	MEN2A	2
P208	VHL	P208	SDH	P208	VHL	P208	SDH	SPOR	2
P209	VHL	P209	SDH	P209	VHL	P209	SDH	SPOR	2
P210	MEN2	P210	MEN2	P210	FPT	P210	FPT	MEN2A	2
P215	MEN2	P215	MEN2	P215	FPT	P215	FPT	FP5	2
P216	MEN2	P216	SDH	P216	FPT	P216	SDH	SPOR	1
P218	MEN2	P218	MEN2	P218	FPT	P218	FPT	SPOR	2
P219	VHL	P219	SDH	P219	VHL	P219	SDH	SPOR	1
P220	VHL	P220	SDH	P220	VHL	P220	SDH	FP7	1
P26	MEN2	P26	MEN2	P26	FPT	P26	FPT	FP1	2
P27	MEN2	P27	MEN2	P27	FPT	P27	FPT	FP1	2
P29	VHL	P29	MEN2	P29	FPT	P29	FPT	FP1	2
P37	VHL	P37	SDH	P37	VHL	P37	SDH	SPOR	1
P54	MEN2	P54	MEN2	P54	FPT	P54	FPT	SPOR	2
P55	MEN2	P55	MEN2	P55	FPT	P55	FPT	SPOR	2
P56	MEN2	P56	MEN2	P56	FPT	P56	FPT	SPOR	2
P58	VHL	P58	SDH	P58	VHL	P58	SDH	B_SDHB	1
P61	MEN2	P61	MEN2	P61	FPT	P61	FPT	MEN2A	2
P76	VHL	P76	MEN2	P76	FPT	P76	FPT	FP6	2
P85	VHL	P85	SDH	P85	VHL	P85	SDH	SPOR	1
P87	MEN2	P87	MEN2	P87	FPT	P87	FPT	SPOR	2
P89	VHL	P89	SDH	P89	VHL	P89	SDH	B_SDHB	1
P91	MEN2	P91	MEN2	P91	FPT	P91	FPT	MEN2A	2
P92	VHL	P92	SDH	P92	VHL	P92	SDH	FP3	1
P93	VHL	P93	SDH	P93	VHL	P93	SDH	FP3	1
% correct p	92%		93%		93%		95%		

Yellow highlight=incorrect predictions