

<i>Gene</i>	<i>Gene Name</i>	<i>NCBI Accession Number</i>
<i>ADCY3</i>	Adenylate Cyclase 3	NC_000001.11
<i>AFF4</i>	AF4/FMR2 Family Member 4	NC_000005.10
<i>ALMS1</i>	Alström Syndrome 1	NC_000002.12
<i>ARL6</i>	ADP Ribosylation Factor Like GTPase 6	NC_000003.12
<i>BBIP1</i>	BBSome Interacting Protein 1	NC_000012.12
<i>BBS1</i>	Bardet-Biedl Syndrome 1	NC_000011.10
<i>BBS10</i>	Bardet-Biedl Syndrome 10	NC_000012.12
<i>BBS12</i>	Bardet-Biedl Syndrome 12	NC_000004.12
<i>BBS2</i>	Bardet-Biedl Syndrome 2	NC_000016.10
<i>BBS4</i>	Bardet-Biedl Syndrome 4	NC_000015.10
<i>BBS5</i>	Bardet-Biedl Syndrome 5	NC_000002.12
<i>BBS7</i>	Bardet-Biedl Syndrome 7	NC_000004.12
<i>BBS9</i>	Bardet-Biedl Syndrome 9	NC_000007.14
<i>BDNF</i>	Brain-Derived Neurotrophic Factor	NC_000011.10
<i>CEP290</i>	Centrosomal Protein 290	NC_000012.12
<i>CFAP418</i>	Cilia And Flagella Associated Protein 418	NC_000004.12
<i>CPE</i>	Carboxypeptidase E	NC_000004.12
<i>CREBBP</i>	CREB Binding Protein	NC_000016.10
<i>CUL4B</i>	Cullin 4B	NC_000023.11
<i>DNMT3A</i>	DNA Methyltransferase 3 Alpha	NC_000002.12
<i>DYRK1B</i>	Dual-Specificity Tyrosine-(Y)-Phosphorylation Regulated Kinase 1B	NC_000019.10
<i>EP300</i>	E1A Binding Protein P300	NC_000022.11
<i>GNAS</i>	GNAS Complex Locus	NC_000020.11
<i>HTR2C</i>	5-Hydroxytryptamine Receptor 2C	NC_000023.11
<i>IFT172</i>	Intraflagellar Transport 172	NC_000008.11
<i>IFT27</i>	Intraflagellar Transport 27	NC_000001.11
<i>IFT74</i>	Intraflagellar Transport 74	NC_000022.11
<i>INPP5E</i>	Inositol Polyphosphate-5-Phosphatase E	NC_000009.12
<i>ISL1</i>	ISL LIM Homeobox 1	NC_000005.10
<i>KIDINS220</i>	Kinase D Interacting Substrate 220	NC_000018.10
<i>KSR2</i>	Kinase Suppressors of Ras 2	NC_000012.12
<i>LEP</i>	Leptin	NC_000016.10
<i>LEPR</i>	Leptin Receptor	NC_000001.11
<i>LZTFL1</i>	Leucine Zipper Transcription Factor Like 1	NC_000003.12
<i>MAGEL2</i>	MAGE Family Member L2	NC_000015.10
<i>MC3R</i>	Melanocortin 3 Receptor	NC_000020.11
<i>MC4R</i>	Melanocortin 4 Receptor	NC_000018.10
<i>MECP2</i>	Methyl-CpG Binding Protein 2	NC_000023.11
<i>MKKS</i>	McKusick-Kaufman Syndrome	NC_000020.11
<i>MKS1</i>	Meckel Syndrome 1	NC_000017.11
<i>MRAP2</i>	Melanocortin 2 Receptor Accessory Protein 2	NC_000019.10
<i>NCOA1</i>	Nuclear Receptor Coactivator 1	NC_000002.12
<i>NR0B2</i>	Nuclear Receptor Subfamily 0 Group B Member 2	NC_000001.11
<i>NRP1</i>	Neuropilin 1	NC_000010.11
<i>NRP2</i>	Neuropilin 2	NC_000002.12
<i>NTRK2</i>	Neurotrophic Tyrosine Kinase Receptor Type 2	NC_000009.12
<i>PCNT</i>	Pericentrin	NC_000021.9
<i>PCSK1</i>	Proprotein Convertase Subtilisin/Kexin Type 1	NC_000005.10
<i>PHF6</i>	PHD Finger Protein 6	NC_000007.14
<i>PHIP</i>	Pleckstrin Homology Domain Interacting Protein	NC_000006.12
<i>PLXNA1</i>	Plexin A1	NC_000003.12
<i>PLXNA2</i>	Plexin A2	NC_000001.11
<i>PLXNA3</i>	Plexin A3	NC_000003.12
<i>PLXNA4</i>	Plexin A4	NC_000012.12
<i>POMC</i>	Proopiomelanocortin	NC_000002.12
<i>PPARG</i>	Peroxisome Proliferator Activated Receptor Gamma	NC_000003.12
<i>PROK2</i>	Prokineticin 2	NC_000003.12
<i>RAB23</i>	RAB23, Member RAS Oncogene Family	NC_000006.12

<i>RAI1</i>	Retinoic Acid Induced 1	NC_000017.11
<i>RPGRIP1L</i>	RPGRIP1 Like	NC_000014.9
<i>RPS6KA3</i>	Ribosomal Protein S6 Kinase A3	NC_000006.12
<i>SDCCAG8</i>	Serologically Defined Colon Cancer Antigen 8	NC_000002.12
<i>SEMA3A</i>	Semaphorin 3A	NC_000005.10
<i>SEMA3F</i>	Semaphorin 3F	NC_000003.12
<i>SEMA3G</i>	Semaphorin 3G	NC_000003.12
<i>SH2B1</i>	SH2B Adaptor Protein 1	NC_000016.10
<i>SIM1</i>	SIM BHLH Transcription Factor 1	NC_000006.12
<i>TUB</i>	Tubby Bipartite Transcription Factor	NC_000007.14
<i>UCP3</i>	Uncoupling Protein 3	NC_000011.10
<i>VPS13B</i>	Vacuolar Protein Sorting 13 Homolog B	NC_000008.11

Table S2: Genes analyzed by Rhythm Pharmaceuticals Laboratories (PreventionGenetics, Marshfield, WI, USA).