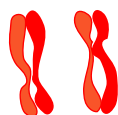
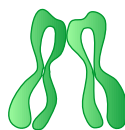


Appendix Selected Genes from Each Chromosome

<i>Chromosome #</i>	<i>Trait</i>	<i>Location on Chromosome</i>
1	Rheumatoid arthritis	1q31 and 1p36
	High blood pressure/Normal b.p.	1p36.1, q42-q43
	High cholesterol (familial)/normal	1p36; 1q21-q23
	Insulin dependent diabetes	1p13
	Migraines (familial)/none	1q21-q23
	Narcolepsy/none	1q21
	Taste receptor	1p36.31
	Rh blood type	1p36.2
	Brown hair color	1q13.11
2	Handedness (right dominant)	2p12-q22
	Hair whorl	2p12-q22
	Webbed digits	2q34-36
	High blood pressure/Normal b.p.	2p25
	High cholesterol (familial)/normal	2p24
	Short digits/normal length digits	2q33-q35
	Pulmonary hypertension/none	2q33
	Non-insulin dependent diabetes	2q32
	Sleep phase disorder	2q37.3
	Asthma susceptibility	2q22
3	High blood pressure/Normal b.p.	3q21-q25
	High cholesterol (familial)/normal	3p21.2
	Abdominal obesity/none	3q27
	Obesity	3p26
	Cell energy production	3p23
4	Deafness (neurosensory)	4p16.1
	Dwarfism (short limb)	4p16.3
	Narcolepsy/none	4p13-q21
	High blood pressure/Normal b.p.	4p16.3
	Obesity	4p15
	Red hair color	4q28=q31
5	Rheumatoid arthritis	5q31
	Dwarfism (pituitary)	5p13-p12
	Short digits/normal length digits	5p13.3



	Non-insulin dependent diabetes	5q34-35
	Obesity	5q13.2
	Asthma susceptibility	5q32-q34; 5q31
6	Rheumatoid arthritis	6p21
	Insulin dependent diabetes	6p21.3
	Webbed/non-webbed digits	6q21
	Non-insulin dependent diabetes	6q22; 6p12
	Asthma susceptibility	6p21.2
	Rh blood type	6p21.1
	Ring finger protein	6p21.3
7	PTC taster/non-taster	7q35-q36
	Cystic fibrosis	7q31.2
	High blood pressure/Normal b.p.	7q36; 7q22
	Heart spasms/no spasms	7q36
	High cholesterol (familial)/normal	7p15
	Extra digits/none	7p13
8	Eyes absent or present	8 q13.3
	High cholesterol (familial)/normal	8p21-p12
	Schizophrenia/none	8p21
	Piebald/none	8q11
	Reproduction of chromosome 8	8p11.2
9	Short digits/normal length digits	9q22
	High cholesterol (familial)/normal	9q22-q23
	ABO blood types	9q34
	Glaucoma (juvenile)/none	9q34.1
	Chromosome 9 reading frame	9p13
10	Breathing rhythm in sleep	10q26
	Obesity	10p; 10q
	Asthma susceptibility	10q11.2
	Schizophrenia/none	10q22.3
	Chromosome 10 reading frame	10q24
11	Albinism/normal pigmentation	11q14-q24
	Non-insulin dependent diabetes	11p12
	Sickle cell/normal	11p15.5
	Asthma susceptibility	11q12.3



12	High blood pressure/Normal b.p.	12p12.2; 12p13
	Insulin dependent diabetes	12q24.2
	Non-insulin dependent diabetes	12q24.2
13	Schizophrenia/none	12q24
	Deafness (neurosensory)/no deafness	13q11
	Non-insulin dependent diabetes	13q12
	Panic disorder/none	13q22-q32
	Asthma susceptibility	13q14.1
14	Extra digits/none	13
	Schizophrenia/none	14q32.3
	DNA repair	14q12
	X-ray repair	14q32.3
	Programmed cell death	14q31
15	Alzheimer's Type 3	14q24.3
	Albinism/normal pigmentation	15q11.2-q12
	Tay-sachs/ no Tay-sachs	15q22-q24
	High blood pressure/Normal b.p.	15q
	Schizophrenia/none	15q15
	Very tall/normal	15q21.1
	Brown hair color	15q11-q15
16	Brown eyes	
	Rheumatoid arthritis	16p13
	Freckles/no freckles	16q24.3
	Skin color	16q24.3
	Cocaine sensitivity	16q12.2
17	Benzene sensitivity	16q22.1
	High blood pressure/Normal b.p.	17q21-q22
	Non-insulin dependent diabetes	17q25
	Growth hormone	17q22
	Near sighted/normal	17q
18	Keratin (hair protein)	17q12-q21
	Near sightedness	18p11.31
	Carpal tunnel (familial)	18q11.2
	Colorectal cancer	18q21.3
	Parkinson's Disease	18p11.3



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	Histamine receptor (Allergies)	18q11.2
19	Cystic fibrosis	19q13
	Non-insulin dependent diabetes	19q13
	Acanthosis nigricans	19p13.2
	High cholesterol (familial)/normal	19p13.2
	Atherosclerosis susceptibility	19p13.3
	ABO blood types	19q13.3
	Extra digits/none	19p
	Green & blue eyes	
20	High blood pressure/Normal b.p.	20q13
	Non-insulin dependent diabetes	20q12
	Gene expression factor	20q13
	BMI	20p11.2
	Obesity	20q13.11
21	Alzheimer's disease	21q21
	Lou Gehrig's Disease	21q22.1
	Epilepsy	21.q22.3
	Cataracts	21q22.3
	Leukemia	21q22.3
	Platelet disorder	21q13.2; 21q22.3
22	Panic disorder/none	22q11.2
	Schizophrenia/none	22q12.3
	Cat eye syndrome	22q11
	Lou Gehrig's disease	22q12.2
	Autism	22q13.1
X	Male pattern baldness	Xq11
	Hemophilia	Xq28
	Deafness (conductive)	Xq21.1
	Insulin dependent diabetes	Xp11.23-q13.3
	Night blindness/none	Xp11.4
	Color blindness/none	Xq28
	Short stature/normal	Xp22.32
Y	Short stature/normal	Yp11.2
	Testis determining factor	Yp11.3
	Sperm production failure	Yq11.2



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