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### Softwares:

Bimas signal scan	<a href="http://www-bimas.cit.nih.gov/molbio/signal/">http://www-bimas.cit.nih.gov/molbio/signal/</a>
Bimas promoter scan	<a href="http://www-bimas.cit.nih.gov/molbio/proscan/">http://www-bimas.cit.nih.gov/molbio/proscan/</a>
ClustalW	<a href="http://www.ebi.ac.uk/clustalw/">http://www.ebi.ac.uk/clustalw/</a>
EasyLinkage	<a href="http://genetik.charite.de/hoffmann/easyLINKAGE/index.html">http://genetik.charite.de/hoffmann/easyLINKAGE/index.html</a>
Ensembl database	<a href="http://www.ensembl.org/index.html">http://www.ensembl.org/index.html</a>
GENEHUNTER	<a href="http://www.broad.mit.edu/ftp/distribution/software/genehunter">http://www.broad.mit.edu/ftp/distribution/software/genehunter</a>
Madeline	<a href="http://eyegene.ophthy.med.umich.edu/madeline-0.935">http://eyegene.ophthy.med.umich.edu/madeline-0.935</a>
NEBcutter	<a href="http://tools.neb.com/NEBcutter2/index.php">http://tools.neb.com/NEBcutter2/index.php</a>
Primer3	<a href="http://frodo.wi.mit.edu/">http://frodo.wi.mit.edu/</a>
PUBmed	<a href="http://www.ncbi.nlm.nih.gov/pubmed/">http://www.ncbi.nlm.nih.gov/pubmed/</a>
SIMWALK	<a href="http://www.genetics.ucla.edu/software/simwalk">http://www.genetics.ucla.edu/software/simwalk</a>
UCSC genome browser	<a href="http://genome.ucsc.edu/">http://genome.ucsc.edu/</a>

**Abbreviations**

AD	activating domain, fragment of UAS
APM	affected pedigree member
ASD	autistic spectrum disorder
ASP	affected sib pair
BP	bipolar disorder
bp	base pair
BRCA1	breast cancer type 1 gene
BRCA2	breast cancer type 2 gene
cDNA	complementary DNA
DB	binding domain, fragment of UAS
DGC	dystrophin-glycoprotein complex
DSM IV	Diagnostic and Statistical Manual of Mental Disorders, rev. IV
ERK	extracellular signal-regulated kinases
EVH1	Enabled/VASP homology-1 domain, also known as WH1 domain
GWAS	genomewide association study
HLOD	heterogeneity LOD
IBD	identical by descent
IBS	identical by state
KBD	KIT-binding domain
KIAA0027	MLC1 synonym
KO	knockout (mouse)
LOD	logarithm of the odds
MAP	mitogen-activated protein
MAPK(s)	mitogen-activated protein kinase(s)
MCS	multiple cloning sites
MEK/ERK	MAP-ERK kinases
miRNAs	MicroRNAs

MLC1	megalencephalic leukoencephalopathy with subcortical cyst 1 gene
mlncRNAs	mRNA-like ncRNAs
mRNA	messenger RNA
NeuN	a neuronal specific nuclear protein in vertebrates
NIMH	National Institute of Mental Health
NPL	Nonparametric LOD
OMIM	Online Mendelian Inheritance in Man, database
PCR	polymerase chain reaction
ROH	run of homozygosity
SCZD10	schizophrenia 10, susceptibility locus, chromosome 15q related
snoRNAs	Small nucleolar RNAs
RNA	ribonucleic acid
SPRED1	(Sprouty-related, EVH1 domain containing 1)
SZ	schizophrenia
TSST	Trier social stress test
UAS	upstream activating sequence
WGHA	Whole-Genome Homozygosity Association
WKL1	MLC1 synonym