

ABBREVIATIONS

ATP	adenosine 5-triphosphate
BAC	bacterial artificial chromosome
bp	base pair
BSA	bovine serum albumin
cDNA	complementary deoxyribonucleic acid
CEPH	Centre d'Etude du Polymorphisme Humain
CNS	central nervous system
DAPI	4,6-diamidino-2-phenylindole
dATP	deoxyadenosine 5-triphosphate
dCTP	deoxycytosine 5-triphosphate
DEPC	diethylpyrocarbonate
dGTP	deoxyguanosine 5-triphosphate
DHPLC	denaturing high performance liquid chromatography
DMEM	Dulbecco's Modified Eagle Medium
DMSO	dimethyl sulphoxide
DNA	deoxyribonucleic acid
dNTP	deoxynucleosine triphosphate
DTT	dithiothreitol
dTTP	deoxythymidine 5-triphosphate
dUTP	deoxyuridine 5-triphosphate
EBV	Epstein Barr virus
ECL	enhanced chemiluminescence
EDTA	ethylenediamine tetraacetic acid
EEG	electroencephalography
EGFP	enhanced green fluorescent protein
EST	expressed sequence tag
EtBr	ethidium bromide
FBS	foetal bovine serum
FISH	fluorescence <i>in situ</i> hybridisation
FITC	fluorescein isothiocyanate
g	gram
g	acceleration of gravity
GB	GenBank
GTP	guanine triphosphate
HEPES	hydroxyethylpiperazine ethanesulfonate
HRP	horse radish peroxidase
IgG	immunoglobulin G

IPTG	isopropyl-beta-D-thiogalactopyranoside
IQ	intelligence quotient
kb	kilobase
kD	kilodalton
L	litre
LB	Luria Bertani
M	molar
MAP	mitogen-activated protein
min	minute
mg	milligram
mL	millilitre
mM	millimolar
mol	moles
MOPS	3-morpholinopropane sulfonic acid
MR	mental retardation
MRI	magnetic resonance imaging
MRX	X-linked mental retardation (non-syndromic)
MRXS	X-linked mental retardation (syndromic)
NCBI	National Center for Biotechnology Information
ng	nanogram
nL	nanolitre
OLB	oligo labelling buffer
OMIM	Online Mendelian Inheritance in Man
ORF	open reading frame
PAC	P1-derived artificial chromosome
PBS	phosphate-buffered saline
PBST	phosphate-buffered saline with Tween 20
PCR	polymerase chain reaction
PEG	polyethylene glycol
pmol	picomoles
PVDF	polyvinylidene difluoride
RNA	ribonucleic acid
RT-PCR	reverse transcriptase-polymerase chain reaction
RZPD	Deutsches Ressourcenzentrum für Genomforschung
SDS	sodium dodecyl sulphate
sec	second
SSC	standard saline citrate
STS	sequence-tagged site
TAE	Tris acetate EDTA
TE	Tris-EDTA

TEAA	triethylammonium acetate
Tris	tris(hydroxymethyl) aminomethane
Tween 20	polyoxyethylene-(20)-sorbitan monolaurate
UCSC	University of California, Santa Cruz
µg	microgram
µL	microlitre
µM	micromolar
µm	micrometre
UTR	untranslated region
UV	ultraviolet
v/v	volume/volume
w/v	weight/volume
XLMR	X-linked mental retardation
YAC	yeast artificial chromosome