[IDF]
Submission identifier

Submission name	**Encode Registered Cell Lines**
Investigation Title	n/a
Experiment Description	n/a
Investigation Accession	n/a
Investigation Database	n/a
Publication DOI	n/a
Publication Author List	n/a
Publication Title	n/a
Publication Status	n/a
Publication Status Term Source REF	n/a
Contact Organization Name	**Encode**
Contact Organization Address	**Encode Data Coordination Center, UCSC, I**
Contact Organization URI	**http://genome.ucsc.edu/ENCODE/cellTyp**
Contact Organization Roles	**project**
Contact Organization Term Source REF	
Person Last Name	**Dunham**
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Person Mid Initials	
Person Email	**dunham@ebi.ac.uk**
Person Phone	
Person Fax	
Person Address	
Person Affiliation	**EBI**
Person Roles	**submitter**
Person Roles Term Source REF	**The MGED Ontology**
Experimental Factor Name	n/a
Experimental Factor Type	n/a
Experimental Factor Term Source REF	n/a
Term Source Name	BTO
Term Source File	http://www.brenda-enzymes.info/ontolog
Term Source Version	
Database Name	n/a
Database URI	n/a
Database Description	n/a

[SDRF]

Sample Name	Description
Encode cell line A549	epithelial cell line derived from a lung carc
Encode cell line AG04449	Fetal buttock/thigh fibroblast
Encode cell line AG04450	Fetal lung fibroblast
Encode cell line AG09309	Adult human toe fibroblast
Encode cell line AG09319	Adult human gum tissue fibroblasts
Encode cell line AG10803	Adult human abdominal skin fibroblasts
Encode cell line AoSMC	aortic smooth muscle cells
Encode cell line Astrocy	Normal human astrocytes
Encode cell line BE2_C	Human neuroblastoma
Encode cell line BG02ES	H9 Conditioned Medium

Encode cell line BG02ES-EBD	BG02 EmbryoidBody-Derived
Encode cell line BJ	skin fibroblast
Encode cell line BJ-5ta	Skin Fibroblast
Encode cell line BJ-HRas	Skin Fibroblast
Encode cell line BJ-T	Skin Fibroblast
Encode cell line Caco-2	colorectal adenocarcinoma
Encode cell line Chorion	Chorion cells (outermost of two fetal mem
Encode cell line CMK	Human Acute Megakaryocytic Leukemia C
Encode cell line Decidua	Decidua cells (part of the mucous membra
Encode cell line ECC-1	ECC-1 is a human epithelial cell line derive
Encode cell line Fibrobl	Normal child fibroblast; donor sex: female
Encode cell line FibroP	normal fibroblasts taken from individuals v
Encode cell line Gliobla	(aka H54) Glioblastoma
Encode cell line GM06990	lymphoblastoid (CEPH)
Encode cell line GM10847	Lymphoblastoid International HapMap Pro
Encode cell line GM12801	B-Lymphocyte (CEPH)
Encode cell line GM12864	B-Lymphocyte
Encode cell line GM12865	B-Lymphocyte
Encode cell line GM12872	B-Lymphocyte
Encode cell line GM12873	B-Lymphocyte
Encode cell line GM12874	B-Lymphocyte
Encode cell line GM12875	B-Lymphocyte
Encode cell line GM12878	lymphoblastoid
Encode cell line GM12891	B-Lymphocyte
Encode cell line GM12892	B-Lymphocyte
Encode cell line GM15510	Lymphoblastoid NIGMS Human Genetic Ce
Encode cell line GM18505	Lymphoblastoid INTERNATIONAL HAPMAP
Encode cell line GM18507	lymphoblastoid
Encode cell line GM18526	Lymphoblastoid INTERNATIONAL HAPMAP
Encode cell line GM18951	Lymphoblastoid INTERNATIONAL HAPMAP
Encode cell line GM19099	Lymphoblastoid INTERNATIONAL HAPMAP
Encode cell line GM19193	Lymphoblastoid INTERNATIONAL HAPMAP
Encode cell line GM19238	B-Lymphocyte
Encode cell line GM19239	B-Lymphocyte
Encode cell line GM19240	B-Lymphocyte
Encode cell line H1-hESC	Human Embryonic Stem Cells
Encode cell line H7-hESC	Undifferentiated human embryonic stem c
Encode cell line H9ES	H9 human ES cells
Encode cell line H9ES-AFP+	H9 AFP+ human ESCells-derived
Encode cell line H9ES-AFP-	H9 AFP- human ESCells-derived
Encode cell line H9ES-CM	H9 Conditioned Medium
Encode cell line H9ES-E	H9 Endoderm
Encode cell line H9ES-EB	H9 Embryoid Bodies
Encode cell line H9ES-EBD	H9 EmbryoidBody-Derived
Encode cell line HAEpiC	Human Amniotic Epithelial Cells
Encode cell line HAL	Human Adult Liver
Encode cell line HCF	Human Cardiac Fibroblasts
Encode cell line HCM	Human Cardiac Myocytes
Encode cell line HCPEpiC	Human Choroid Plexus Epithelial Cells
Encode cell line HCT-116	colorectal carcinoma
Encode cell line HEEpiC	Human Esophageal Epithelial Cells
Encode cell line HEK293	embryonic kidney
Encode cell line HEK293(b)	embryonic kidney (alternate protocol)
Encode cell line HeLa-S3	cervical carcinoma
Encode cell line HepG2	liver carcinoma
Encode cell line HepG2b	liver carcinoma (UCDavis alternate)

Encode cell line HFL11W	Human Fetal Liver 11 weeks
Encode cell line HFL24W	Human Fetal Liver 24 weeks
Encode cell line HGF	Human Gingival Fibroblasts
Encode cell line HIPEpiC	Human Iris Pigment Epithelial Cells
Encode cell line HL-60	Human promyelocytic leukemia cells
Encode cell line HMEC	Human Mammary Epithelial Cells
Encode cell line HNPCEpiC	Human Non-Pigment Ciliary Epithelial Cells
Encode cell line HRCEpiC	Human Renal Cortical Epithelial cells (norm
Encode cell line HRE	Human Renal Epithelial cells (normal)
Encode cell line HRPEpiC	Human Retinal Pigment Epithelial Cells
Encode cell line HSMM	Normal Human Skeletal Muscle Myoblasts
Encode cell line HSMMtube	Normal Human Skeletal Muscle Myotubes
Encode cell line HT-1080	HT-1080 is an epithelial cell line derived fr
Encode cell line HTB-11	Human neuroblastoma
Encode cell line HUVEC	Human Umbilical Vein Endothelial Cell
Encode cell line Jurkat	T lymphoblastoid cell line derived from an
Encode cell line K562	leukemia
Encode cell line K562b	leukemia (UCDavis alternate)
Encode cell line LHSR	Human prostate epithelial cells (PrEC) wer
Encode cell line LNCaP	prostate adenocarcinoma
Encode cell line MCF-7	mammary gland, adenocarcinoma
Encode cell line MCF10A-Er-Src	mammary gland, non-tumorigenic epitheli
Encode cell line MDA-MB-231	breast adenocarcinoma; epithelial cell line
Encode cell line Medullo	Medulloblastoma
Encode cell line Melano	melanocytes
Encode cell line Myometr	Myometrial cells
Encode cell line NB4	acute promyelocytic leukemia cell line
Encode cell line NHBE	normal human bronchial epithelial cells
Encode cell line NHDF-neo	Neonatal Human Dermal Fibroblasts
Encode cell line NHEK	**Normal Human Epidermal Keratinocytes**
Encode cell line NHLF	Normal Human Lung Fibroblasts
Encode cell line NT2-D1	malignant pluripotent embryonal carcinom
Encode cell line Osteobl	Normal human osteoblasts (NHOst)
Encode cell line ovcar-3	ovarian adenocarcinoma
Encode cell line PANC-1	pancreatic carcinoma
Encode cell line PanIslets	human pancreatic islets
Encode cell line PFSK-1	neuroectodermal cell line derived from a h
Encode cell line pHTE	Primary Human Tracheal Epithelial Cells
Encode cell line ProgFib	HGPS (HGADFN167, progeria research four
Encode cell line prostate	prostate tissue purchased for Gingeras pro
Encode cell line Raji	B lymphocyte
Encode cell line SAEC	Small Airway Epithelial Cells
Encode cell line SK-N-MC	neuroepithelioma cell line derived from a
Encode cell line SK-N-SH_RA	neuroblastoma cell line differentiated w/ r
Encode cell line SKMC	Human Skeletal Muscle Cells
Encode cell line T-47D	T-47D is a human epithelial cell line derive
Encode cell line T98G	T98G is a fibroblast cell line derived from a
Encode cell line TBEC	Trachea and bronchial epithelial cells
Encode cell line Th1	primary human Th1 T cells
Encode cell line Th2	Primary human Th2 T cells
Encode cell line U2OS	Osteosarcoma;Bone sarcoma from the tibi
Encode cell line U87	human glioblastoma; astrocytoma
Encode cell line WERI-Rb-1	retinoblastoma

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curator
The MGED Ontology

EFO
http://purl.org/obo/owl/BTO

2.4

Characteristics [Organism]	Characteristics [CellLine]
Homo sapiens	A549
Homo sapiens	AG04449
Homo sapiens	AG04450
Homo sapiens	AG09309
Homo sapiens	AG09319
Homo sapiens	AG10803
Homo sapiens	AoSMC
Homo sapiens	Astrocy
Homo sapiens	BE2_C
Homo sapiens	BG02ES

Homo sapiens	BG02ES-EBD
Homo sapiens	BJ
Homo sapiens	BJ-5ta
Homo sapiens	BJ-HRas
Homo sapiens	BJ-T
Homo sapiens	Caco-2
Homo sapiens	Chorion
Homo sapiens	CMK
Homo sapiens	Decidua
Homo sapiens	ECC-1
Homo sapiens	Fibrobl
Homo sapiens	FibroP
Homo sapiens	Gliobla
Homo sapiens	GM06990
Homo sapiens	GM10847
Homo sapiens	GM12801
Homo sapiens	GM12864
Homo sapiens	GM12865
Homo sapiens	GM12872
Homo sapiens	GM12873
Homo sapiens	GM12874
Homo sapiens	GM12875
Homo sapiens	GM12878
Homo sapiens	GM12891
Homo sapiens	GM12892
Homo sapiens	GM15510
Homo sapiens	GM18505
Homo sapiens	GM18507
Homo sapiens	GM18526
Homo sapiens	GM18951
Homo sapiens	GM19099
Homo sapiens	GM19193
Homo sapiens	GM19238
Homo sapiens	GM19239
Homo sapiens	GM19240
Homo sapiens	H1-hESC
Homo sapiens	H7-hESC
Homo sapiens	H9ES
Homo sapiens	H9ES-AFP+
Homo sapiens	H9ES-AFP-
Homo sapiens	H9ES-CM
Homo sapiens	H9ES-E
Homo sapiens	H9ES-EB
Homo sapiens	H9ES-EBD
Homo sapiens	HAEpiC
Homo sapiens	HAL
Homo sapiens	HCF
Homo sapiens	HCM
Homo sapiens	HCPEpiC
Homo sapiens	HCT-116
Homo sapiens	HEEpiC
Homo sapiens	HEK293
Homo sapiens	HEK293(b)
Homo sapiens	HeLa-S3
Homo sapiens	HepG2
Homo sapiens	HepG2b

Homo sapiens	HFL11W
Homo sapiens	HFL24W
Homo sapiens	HGF
Homo sapiens	HIPEpiC
Homo sapiens	HL-60
Homo sapiens	HMEC
Homo sapiens	HNPCEpiC
Homo sapiens	HRCEpiC
Homo sapiens	HRE
Homo sapiens	HRPEpiC
Homo sapiens	HSMM
Homo sapiens	HSMMtube
Homo sapiens	HT-1080
Homo sapiens	HTB-11
Homo sapiens	HUVEC
Homo sapiens	Jurkat
Homo sapiens	K562
Homo sapiens	K562b
Homo sapiens	LHSR
Homo sapiens	LNCaP
Homo sapiens	MCF-7
Homo sapiens	MCF10A-Er-Src
Homo sapiens	MDA-MB-231
Homo sapiens	Medullo
Homo sapiens	Melano
Homo sapiens	Myometr
Homo sapiens	NB4
Homo sapiens	NHBE
Homo sapiens	NHDF-neo
Homo sapiens	**NHEK**
Homo sapiens	NHLF
Homo sapiens	NT2-D1
Homo sapiens	Osteobl
Homo sapiens	ovcar-3
Homo sapiens	PANC-1
Homo sapiens	PanIslets
Homo sapiens	PFSK-1
Homo sapiens	pHTE
Homo sapiens	ProgFib
Homo sapiens	prostate
Homo sapiens	Raji
Homo sapiens	SAEC
Homo sapiens	SK-N-MC
Homo sapiens	SK-N-SH_RA
Homo sapiens	SKMC
Homo sapiens	T-47D
Homo sapiens	T98G
Homo sapiens	TBEC
Homo sapiens	Th1
Homo sapiens	Th2
Homo sapiens	U2OS
Homo sapiens	U87
Homo sapiens	WERI-Rb-1

Term Source Accession	Term Source REF
BTO:0000018	BTO
BTO:0001685	BTO
BTO:0000099	BTO
BTO:0000932 (non-specific)	BTO

BTO:0001255	BTO
BTO:0001255	BTO
BTO:0001255	BTO
BTO:0001255	BTO
BTO:0000195	BTO
BTO:0000252	BTO
BTO:0001360	BTO
BTO:0000194	BTO
BTO:0000452	BTO
BTO:0000452	BTO
BTO:0000527	BTO
BTO:0002062 (non-specific)	BTO
BTO:0002026 (non-specific)	BTO
BTO:0001522 (non-specific)	BTO
BTO:0002062 (non-specific)	BTO
BTO:0002062 (non-specific)	BTO
BTO:0002062 (non-specific)	BTO
BTO:0002062 (non-specific)	BTO
BTO:0002062 (non-specific)	BTO
BTO:0002062 (non-specific)	BTO
BTO:0002026 (non-specific)	BTO
BTO:0002062 (non-specific)	BTO
BTO:0002062 (non-specific)	BTO
BTO:0002026 (non-specific)	BTO
BTO:0002026 (non-specific)	BTO
BTO:0002062 (non-specific)	BTO
BTO:0002026 (non-specific)	BTO
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BTO:0002026 (non-specific)	BTO
BTO:0002062 (non-specific)	BTO
BTO:0002062 (non-specific)	BTO
BTO:0002062 (non-specific)	BTO
CL:0000007	CL
BTO:0002254	BTO
BTO:0000007	BTO
BTO:0000007	BTO
BTO:0000568	BTO
BTO:0000559	BTO
BTO:0000559	

BTO:0000519 (non-specific)	BTO
BTO:0000738	BTO
BTO:0002178	
BTO:0000059 (non-specific)	BTO
BTO:0000059 (non-specific)	BTO
BTO:0000256 (non-specific)	BTO
BTO:0001760 (non-specific)	BTO
BTO:0001282	BTO
BTO:0000932 (non-specific)	BTO
BTO:0001949	BTO
BTO:0001948	BTO
BTO:0000664	BTO
BTO:0000664	BTO
BTO:0002021	BTO
BTO:0000093	BTO
BTO:0001939	BTO
BTO:0000815	BTO
BTO:0001359	BTO
BTO:0000847	BTO
BTO:0000907	BTO
BTO:0002489	BTO
BTO:0002022	BTO
BTO:0000375	**BTO**
BTO:0000161 (non-specific)	BTO
BTO:0000946	BTO
BTO:0001593	BTO
BTO:0000812	BTO
BTO:0000304	BTO
BTO:0000991 (non-specific)	BTO
BTO:0000690 (non-specific)	BTO
BTO:0001120 (non-specific)	BTO
BTO:0001255 (non-specific)	BTO
BTO:0001129	BTO
BTO:0001154	BTO
BTO:0002022 (non-specific)	BTO
BTO:0002372 (non-specific)	BTO
BTO:0002372 (non-specific)	BTO
BTO:0001801 (non-specific)	BTO
BTO:0001248	BTO
BTO:0001583	BTO
BTO:0001389 (non-specific)	BTO
BTO:0001678	BTO
BTO:0001679	BTO
BTO:0000970	BTO
BTO:0002036	BTO
BTO:0001178 (non-specific)	BTO

Characteristics [Encode Cell Line Tier]	Characteristics [Lineage]
3	This line was initiated in 1972 by D.J. Giard
3	
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3	
3	
3	
3	
3	
3	human Embryonic Stem Cell (hESC) BG02

3 human Embryonic Stem Cell (hESC) BG02
3 The line was established from skin taken fr
3 hTERT/BJ fibroblasts expressing T antigens
3 hTERT/BJ fibroblasts expressing T antigens
3 Foreskin fibroblasts
3
3 Fetal membranes were collected from wor
3
3 Fetal membranes were collected from wor
3
3

3
3 CEPH/Utah - European Caucasion; Epstein
3
3 CEPH/Utah - European Caucasion - Male; E
3
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3
1 International HapMap Project - CEPH/Utah
3
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3 International HapMap Project - Yoruba in I
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3
2 embryonic stem cells
3
3 human Embryonic Stem Cell (hESC) H9
3 human Embryonic Stem Cell (hESC) H9
3 human Embryonic Stem Cell (hESC) H9
3 human Embryonic Stem Cell (hESC) H9
3 human Embryonic Stem Cell (hESC) H9
3 human Embryonic Stem Cell (hESC) H9
3 human Embryonic Stem Cell (hESC) H9
3
3 Genomic DNA purified from surgically exci
3
3
3
3 endoderm
3
3 endoderm
3 endoderm
2 ectoderm
2 endoderm
2 endoderm

3 Consented fetal liver samples were isolate
3 Consented fetal liver samples were isolate
3
3
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3
3
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3
3
3
3
3
2 mesoderm
3 The Jurkat cell line was established from th
1 The continuous cell line K-562 was establis
1 The continuous cell line K-562 was establis
3 Genetically engineered from Human prost
3 LNCaP clone FGC was isolated in 1977 by J
3
3 derived from the MCF-10A parental cells a
3 mammary gland Derived from metastatic s
3

3

3
2 ectoderm
3
3 The NTERA-2 cl.D1 cell line is a pluripotent
3
3 The NIH:OVCAR-3 line was established in 1
3
3
3 ectoderm
3 primary
3
3
3 The Raji line of lymphoblast-like cells was e
3
3 SK-N-MC was isolated in September of l97
3 SK-N-MC was isolated in September of l97
3
3
3
3 Passage 2 primary, non-immortalized, hum
3
3
3 J. Ponten and E. Saksela derived this line (c
3
3

Characteristics [Karyotype]	Characteristics [Sex]
cancer	male
	male
	male
	female
	female
	male
	unknown_sex
normal	unknown_sex
	male
XY euploid	male

XY euploid	male
normal	male
normal	male
normal	male
normal	male
cancer	male
unknown	unknown_sex
	female
unknown	female
unknown	female
normal	female
	unknown_sex
	unknown_sex
relatively normal	female
	female
relatively normal	male
CEPH/UTAH PEDIGREE 1459, Epstein-Barr	male
CEPH/UTAH PEDIGREE 1459, Epstein-Barr	female
CEPH/UTAH PEDIGREE 1459, Epstein-Barr	male
CEPH/UTAH PEDIGREE 1459, Epstein-Barr	female
CEPH/UTAH PEDIGREE 1459, Epstein-Barr	male
CEPH/UTAH PEDIGREE 1459, Epstein-Barr	female
relatively normal	female
CEPH/UTAH PEDIGREE 1463, Epstein-Barr	male
CEPH/UTAH PEDIGREE 1463, Epstein-Barr	female
	unknown_sex
	female
relatively normal	male
	female
	female
	female
	female
YORUBA, Epstein-Barr Virus, Female	female
YORUBA, Epstein-Barr Virus, Male	male
YORUBA, Epstein-Barr Virus, Female	female
normal	male
	unknown_sex
XX euploid	female
XX euploid	female
XX euploid	female
XX euploid	female
XX euploid	female
XX euploid	female
XX euploid	female
	unknown_sex
	unknown_sex
	unknown_sex
	unknown_sex
	unknown_sex
cancer	male
	unknown_sex
cancer	unknown_sex
cancer	unknown_sex
cancer	female
cancer	male
cancer	male

	unknown_sex
	unknown_sex
normal	unknown_sex
	unknown_sex
cancer, female	female
	unknown_sex
	unknown_sex
normal	unknown_sex
normal	unknown_sex
	unknown_sex
normal	unknown_sex
normal	unknown_sex
pseudo-diploid male with a modal chromo	male
hyperdiploid female with a modal chromo	female
normal	unknown_sex
cancer	male
cancer	female
cancer	female
Diploid	female
cancer	male
cancer	female
stable and near-diploid	female
Cancer: The cell line is aneuploid female (r	female
	unknown_sex
	unknown_sex
	female
cancer	unknown_sex
	unknown_sex
	unknown_sex
normal	**female**
	unknown_sex
cancer	male
normal	unknown_sex
cancer	female
cancer, male	male
	male
cancer	male
	unknown_sex
progeria	unknown_sex
	male
cancer	male
normal	unknown_sex
cancer	female
cancer	female
	unknown_sex
hypotriploid	female
hyper-pentaploid male with a modal chrom	male
unknown, presumed normal diploid	male
	unknown_sex
	unknown_sex
Cancer	female
hypodiploid female with a modal chromos	female
	male

Term Source Accession	Term Source REF
EFO_0001266	EFO
EFO_0001266	EFO
EFO_0001266	EFO
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EFO_0001265	EFO
EFO_0001265	EFO
EFO_0001266	EFO

comment[Documents]	Characteristics [BioSourceProvider]
HudsonAlpha	ATCC CCl-185
UW_Stam	Coriell AG04449
UW_Stam	Coriell AG04450
UW_Stam	Coriell AG09309
UW_Stam	Coriell AG09319
UW_Stam	Coriell AG10803
Open_Chromatin	Lonza CC-2571
Open_Chromatin	Lonza CC-2565
HudsonAlpha	ATCC CRL-2268
HudsonAlpha	BresaGen, Inc. BG02 (hESBGN.02)

HudsonAlpha	BresaGen, Inc. BG02 (hESBGN.02)
UW_Stam	ATCC CRL-2522
Yale_TFBS(Struhl)	ATCC CRL-4001
Yale_TFBS(Struhl)	Struhl laboratory BJ-HRas
Yale_TFBS(Struhl)	Struhl laboratory BJ-T
UW_Stam	ATCC HTB-37
Open_Chromatin	Dr. Amy Murtha at Duke University (Durha
UW_Stam	DSMZ ACC-392
Open_Chromatin	Dr. Amy Murtha at Duke University (Durha
HudsonAlpha	ATCC CRL-2923
Open_Chromatin	Coriell AG08470
Open_Chromatin	Paul Tesar (Case Western)
Open_Chromatin	Duke University Medical Center, surgical re
UW_Stam	Coriell GM06990
Yale_TFSB	Coriell GM10847
UW_Stam	Coriell GM12801
UW_Stam	Coriell GM12864
UW_Stam	Coriell GM12865
UW_Stam	Coriell GM12872
UW_Stam	Coriell GM12873
UW_Stam	Coriell GM12874
UW_Stam	Coriell GM12875
protocol	Coriell GM12878
Open_Chromatin	Coriell GM12891
Open_Chromatin	Coriell GM12892
Yale_TFSB	Coriell GM15510
Yale_TFSB	Coriell GM18505
Open_Chromatin	Coriell GM18507
Yale_TFSB	Coriell GM18526
Yale_TFSB	Coriell GM18951
Yale_TFSB	Coriell GM19099
Yale_TFSB	Coriell GM19193
Open_Chromatin	Coriell GM19238
Open_Chromatin	Coriell GM19239
Open_Chromatin	Coriell GM19240
protocol	Cellular Dynamics
UW_Stam	WiCell WA07 (H7)
HudsonAlpha	WiCell WA09 (H9)
HudsonAlpha	WiCell WA09 (H9)
HudsonAlpha	WiCell WA09 (H9)
HudsonAlpha	WiCell WA09 (H9)
HudsonAlpha	WiCell WA09 (H9)
HudsonAlpha	WiCell WA09 (H9)
HudsonAlpha	WiCell WA09 (H9)
UW_Stam	ScienCell 7100
HudsonAlpha	Asterand, Inc. HAL
UW_Stam	ScienCell 6300
UW_Stam	ScienCell 6200
UW_Stam	ScienCell 1310
Yale_TFSB	ATCC CCL-247
UW_Stam	ScienCell 2700
UW_Stam	ATCC CRL-1573
Yale_TFSB	ATCC CRL-1573
HeLa-S3 HeLa-S3_IFN_Crawford	ATCC CCL-2.2
protocol	ATCC HB-8065
protocol	ATCC HB-8065

protocol	
HudsonAlpha	
UW_Stam	ScienCell 2620
UW_Stam	ScienCell 6560
UW_Stam	ATCC CCL-240
Broad_Histone Open_Chromatin UW_Stam	Lonza CC-3150
UW_Stam	ScienCell 6580
UW_Stam	ScienCell #4110
UW_Stam	Lonza CC-2556
UW_Stam	ScienCell 6540
Broad_Histone Open_Chromatin	Lonza CC-2580
Broad_Histone Open_Chromatin	Lonza CC-2580
HudsonAlpha	ATCC CCL¡121
HudsonAlpha	ATCC HTB-11
protocol	Lonza CC-2517
HudsonAlpha UW_Stam	ATCC TIB-152
protocol	ATCC CCL-243
Yale_TFSB(Farnham)	ATCC CCL-243
Open_Chromatin	Genetically engineered in the lab of Willia
Open_Chromatin Yale_TFSB(Farnham) UW	ATCC CRL-1740
Open_Chromatin Yale_TFSB(Farnham) UW	ATCC HTB-22
Yale_TFBS(Struhl)	Struhl laboratory MCF10A-Er-Src
Yale_TFBS(Struhl)	ATCC HTB-26
Open_Chromatin	Duke University Medical Center, surgical re
Open_Chromatin	ScienCell 2200
Open_Chromatin	Dr. Jennifer Condon of Magee Women's Re
Yale_TFSB UW_Stam	Refer to protocol documents for differing s
Open_Chromatin	Lonza CC-2541
UW_Stam	Lonza CC-2509
protocol	**Lonza CC-2501**
Broad_Histone UW_Stam	Lonza CC-2512
Yale_TFSB	ATCC CRL-1973
Open_Chromatin	Lonza CC-2538
UW_Stam	ATCC HTB-161
HudsonAlpha UW_Stam	ATCC CRL-1469
Open_Chromatin Open_Chromatin(Lieb)	Refer to protocol documents for differing s
HudsonAlpha	ATCC CRL-2060
Open_Chromatin	Dr. Cal Cotton at Case Western Reserve Un
Open_Chromatin	Progeria Research Foundation
	ATCC
SYDH_TFBS(Farnham)	ATCC CCl-86
UW_Stam	Lonza CC-2547
HudsonAlpha	ATCC HTB-10
UW_Stam	ATCC HTB-11
UW_Stam	Lonza CC-2561
HudsonAlpha	ATCC HTB-133
HudsonAlpha	ATCC CRL¡1690
Open_Chromatin	National Disease Research Interchange-pro
UW_Stam	None (primary pheresis of single normal s
UW_Stam	None (primary pheresis of single normal s
SYDH_TFBS(Farnham)	ATCC HTB-96
HudsonAlpha	ATCC HTB-14
UW_Stam	ATCC HTB-169

SampleGroup
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