

# Transfected Cells

## List of Cell Lines transfected with FuGENE® HD Transfection Reagent

<b>118MGC</b>	
ATCCno. Or ECACCno.	
Source	glioblastoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
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Hidetaka Sadanari, Junji Tanaka, Zhuan Li, Rie Yamada, Keiko Matsubara, Tsugiyu Murayama (2009) Proteasome inhibitor differentially regulates expression of the major immediate early genes of human cytomegalovirus in human central nervous system-derived cell lines. <i>Virus Res.</i> , 2009 Jun; 142(1-2):68-77.	

<b>1321N1</b>	
ATCCno. Or ECACCno.	ECACC No: 86030402
Source	brain astrocytoma
Morphology	glial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1 neutral: 1
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Akiko Maekawa, Barbara Balestrieri, K. Frank Austen, and Yoshihide Kanaoka (2009) GPR17 is a negative regulator of the cysteinyl leukotriene 1 receptor response to leukotriene D4. <i>PNAS</i> , Jul 2009; 106: 11685 - 11690.	

<b>143B</b>	
ATCCno. Or ECACCno.	ATCC® CRL-8303™
Source	bone, osteosarcoma
Morphology	mixed
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2
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Stefan M.K. Davies, Oliver Rackham, Anne-Marie J. Shearwood, Kristina L. Hamilton, Reena Narsai, James Whelan, Aleksandra Filipovska (2009) Pentatricopeptide repeat domain protein 3 associates with the mitochondrial small ribosomal subunit and regulates translation. <i>FEBS Letters</i> , 18 June 2009, Vol. 583(12), 1853-1858.	

Oliver Rackham, Stefan M. K. Davies, Anne-Marie J. Shearwood, Kristina L. Hamilton, James Whelan and Aleksandra Filipovska (2009) Pentatricopeptide repeat domain protein 1 lowers the levels of mitochondrial leucine tRNAs in cells. *Nucleic Acids Res.* 2009 Sep;37(17):5859-67.

**16HBE140-**

ATCCno. Or ECACCno.

Source bronchial epithelium

Morphology

Species human

Growth Properties

## References

Results Summary good: 2

Mary E. B. Martino, John C. Olsen, Nanette B. Fulcher, Matthew C. Wolfgang, Wanda K. O'Neal and Carla M. P. Ribeiro (2009) Airway Epithelial Inflammation Induced Endoplasmatic Reticulum Ca<sup>2+</sup> Store Expansion is mediated by X-Box Binding Protein-1. *J. Biol. Chem.*, Mar 2009; 10.1074/jbc.M809180200

Nathan J. Weyand, Christine M. Calton, Dustin L. Higashi, Kristen J. Kanack, and Magdalene So (2010) Presenilin/ gamma Secretase Cleaves CD46 in Response to Neisseria Infection. *J. Immunol.*, Jan 2010; 184: 694-701.

**22Rv1**

ATCCno. Or ECACCno. ATCC® CRL-2505™

Source prostate carcinoma

Morphology epithelial

Species human

Growth Properties adherent

## References

Results Summary good: 2

Jean-Christophe Pignon, Benjamin Koopmansch, Gregory Nolens, Laurence Delacroix, David Waltregny, and Rosita Winkler (2009) Androgen Receptor Controls EGFR and ERBB2 Gene Expression at Different Levels in Prostate Cancer Cell Lines. *Cancer Res.* 2009 Apr 1;69(7):2941-9.

Jean-Christophe Pignon, Benjamin Koopmansch, Gregory Nolens, Laurence Delacroix, David Waltregny, and Rosita Winkler (2009) Androgen Receptor Controls EGFR and ERBB2 Gene Expression at Different Levels in Prostate Cancer Cell Lines. [Cancer Research Application Note No. 4](#), Published by Roche Diagnostics GmbH, Roche Applied Science.

**293 [HEK-293]**

ATCCno. Or ECACCno. ATCC® CRL-1573™

Source kidney; transformed with adenovirus 5 DNA

Morphology epithelial

Species human

Growth Properties adherent

## References

Results Summary good: 118

neutral: 2

bad: 3

Jacobsen, L., Calvin, S., Breite, D. and Weijia, O. (2006) FuGENE® HD Transfection Reagent Provides High Levels of Protein Expression in the Human Cell Line HEK 293-EBNA and in High Five Insect Cells, [BIOCHEMICA, No.1, 2006, p.20-21](#)

Manifava, M. (2006) FuGENE® HD Transfection Reagent: Superior Performance for Challenging Expression Studies, [BIOCHEMICA, No.3, 2006, p.26-28.](#)

See also [Cell-type specific protocols and data](#)

Kurosu, H., Choi, M., Ogawa, Y., Dickson, A.S., Goetz, R., Eliseenkova, A.V., Mohammadi, M., Rosenblatt, K.P., Kliewer, S.A., and Kuro-o, M. (2007) Tissue-specific expression of KLOTTHO and fibroblast growth factor receptor isoforms determines metabolic activity of FGF19 and FGF21. *J. Biol. Chem.*, Jul 2007; 10.1074/jbc.M704165200

Coffinier, C., Hudon, S.E., Farber, E.A., Chang, S.Y., Hrycyna, C.A., Young, S.G., and Fong, L.G. (2007) HIV protease inhibitors block the zinc metalloproteinase ZMPSTE24 and lead to an accumulation of prelamin A in cells. *PNAS*, Jul 2007; 10.1073/pnas.0704212104

Xin Zhang, Dao-Hong Lin, Yan Jin, Ke-Sheng Wang, Yan Zhang, Elisa Babilonia, ZhiJian Wang, Zhiqin Wang, Gerhard Giebisch, Ze-Guang Han, and Wen-Hui Wang (2007) Inhibitor of growth 4 (ING4) is up-regulated by a low K intake and suppresses renal outer medullary K channels (ROMK) by MAPK stimulation. *PNAS*, May 2007; 104: 9517 - 9522

Ying Zhang, Alessandro Bertolino, Leonardo Fazio, Giuseppe Blasi, Antonio Rampino, Raffaella Romano, Mei-Ling T. Lee, Tao Xiao, Audrey Papp, Danxin Wang, and Wolfgang Sadée (2007) Polymorphisms in human dopamine D2 receptor gene affect gene expression, splicing, and neuronal activity during working memory. *PNAS*, Dec 2007; 104: 20552 - 20557

Rafael García-Mata, Adi D. Dubash, Lisa Sharek, Heather S. Carr, Jeffrey A. Frost, and Keith Burrridge (2007) The Nuclear RhoA Exchange Factor Net1 Interacts with Proteins of the Dlg Family, Affects Their Localization, and Influences Their Tumor Suppressor Activity. *Mol. Cell. Biol.*, Dec 2007; 27: 8683 - 8697

Manabu Minami, Koichi Shimizu, Yoshihisa Okamoto, Eduardo Folco, Marco-Lopez Ilasaca, Mark W Feinberg, Masanori Aikawa, and Peter Libby (2008) Prostaglandin E Receptor type 4-Associated Protein (EPRAP) interacts directly with NF- $\kappa$ B1 and attenuates macrophage activation. *J. Biol. Chem.*, Feb 2008; 10.1074/jbc.M709663200; *J. Biol. Chem.*, Apr 2008; 283: 9692 - 9703

Maria Carmen Solaz-Fuster, José Vicente Gimeno-Alcañiz, Susana Ros, Maria Elena Fernandez-Sanchez, Belen Garcia-Fojeda, Olga Criado Garcia, David Vilchez, Jorge Dominguez, Mar Garcia-Rocha, Maribel Sanchez-Piris, Carmen Aguado, Erwin Knecht, Jose Serratos, Joan Josep Guinovart, Pascual Sanz, and Santiago Rodriguez de Córdoba (2008) Regulation of glycogen synthesis by the laforin–malin complex is modulated by the AMP-activated protein kinase pathway. *J. Biol. Chem.*, Feb 2008; 10.1074/jbc.M800154200

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Deniz Atasoy, Yexica Aponte, Helen Hong Su, and Scott M. Sternson (2008) A FLEX Switch Targets Channelrhodopsin-2 to Multiple Cell Types for Imaging and Long-Range Circuit Mapping. *J. Neurosci.*, Jul 2008; 28: 7025-7030.

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Austin U. Gehret, Brian W. Jones, Phuong N. Tran, Laurie B. Cook, Emileigh K. Greuber, and Patricia M. Hinkle (2010) Role of Helix 8 of the Thyrotropin-Releasing Hormone Receptor in Phosphorylation by G Protein-Coupled Receptor Kinase. *Mol. Pharmacol.*, Feb 2010; 77: 288-297.

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### 293 MSR

ATCCno. Or ECACCno.	
Source	kidney; cell line expresses the human macrophage scavenger receptor
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
Personal communication	

### 293 tsA-201

ATCCno. Or ECACCno.	subclone of 293 (HEK-293) expressing SV40 T antigen
Source	kidney; transformed with adenovirus 5 DNA
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2
Personal communication	

### 293-EBNA

ATCCno. Or ECACCno.	HEK-293 transformed with Epstein-Barr virus nuclear antigen 1
Source	kidney
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 5
<p>Jacobsen, L., Calvin, S., Breite, D. and Weijia, O. (2006) FuGENE® HD Transfection Reagent Provides High Levels of Protein Expression in the Human Cell Line HEK 293-EBNA and in High Five Insect Cells, <a href="#">BIOCHEMICA, No.1, 2006, p.20-21</a></p>	



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Sam Kaitaniemi et al. (2009) The unique substrate specificity of human AOC2, a semicarbazide-sensitive amine oxidase. *Cell Mol Life Sci.* 2009 Aug;66(16):2743-57.

Rory J. Flinn, Ying Yan, Sumanta Goswami, Peter J. Parker, and Jonathan M. Backer (2010) The Late Endosome is Essential for mTORC1 Signaling. *Mol. Biol. Cell*, Mar 2010; 21: 833-841.

### 293-TLR4/MD2-CD14

ATCCno. Or ECACCno.

Source HEK-293 cells stably transfected with TLR4/MD-2/CD14

Morphology

Species

Growth Properties

#### References

Results Summary good: 1

Shembade, Noula, Parvatiyar, Kislay, Harhaj, Nicole S, Harhaj, Edward W (2009) The ubiquitin-editing enzyme A20 requires RNF11 to downregulate NF- $\kappa$ B signalling. *The EMBO Journal*, 2009, 28, 513-522. doi: 10.1038/emboj.2008.285, Article

### 293A

ATCCno. Or ECACCno.

Source kidney

Morphology

Species human

Growth Properties

#### References

Results Summary good: 5

Shazia Adalat et al. (2009) HNF1B Mutations Associate with Hypomagnesemia and Renal Magnesium Wasting. *J Am Soc Nephrol* 20: 1123–1131.

Christos A. Kyratsous and Saul J. Silverstein (2009) Components of Nuclear Domain 10 Bodies Regulate Varicella-Zoster Virus Replication. *J Virol.* 2009 May;83(9):4262-74.

Matthew S. Walters, Angela Erazo, Paul R. Kinchington, and Saul Silverstein (2009) Histone Deacetylases 1 and 2 Are Phosphorylated at Novel Sites during Varicella-Zoster Virus Infection. *Journal of Virology*, Nov. 2009, Vol. 83, No. 22, 11502-11513.

Traci E. Stankiewicz, Kelsey L. Haaning, Janelle M. Owens, Alys S. Jordan, Kelly Gammon, Heather A. Bruns, Susan A. McDowell (2010) GTPase activating protein function of p85 facilitates uptake and recycling of the beta1 integrin. *Biochemical and Biophysical Research Communications*, Jan 2010, Volume 391, Issue 1, 443-448.

<b>293F</b>	
ATCCno. Or ECACCno.	
Source	kidney; transformed with adenovirus 5 DNA
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2
Sabine Geisse (2009) Reflections on more than 10 years of TGE approaches. <i>Protein Expression and Purification</i> , Volume 64(2), April 2009, 99-107.	

<b>293FT</b>	
ATCCno. Or ECACCno.	
Source	kidney
Morphology	epithelial
Species	human
Growth Properties	fast-growing; cell line is ideal for generating high-titer lentivirus.
References	
Results Summary	good: 12
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<b>293HER2/neu</b>	
ATCCno. Or ECACCno.	Myhre et al., <i>Gene Therapy</i> (2009) 16, 252-261.
Source	HEK293 cells stably transfected to express surface bound HER2/neu
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
S Myhre, P Henning, M Friedman, S Stahl, L Lindholm and MK Magnusson (2009) Re-targeted adenovirus vectors with dual specificity; binding specificities conferred by two different Affibody molecules in the fiber. <i>Gene Therapy</i> (2009) 16, 252-261.	

<b>293T</b>	
ATCCno. Or ECACCno.	DuBridge et al., <i>Mol Cell Biol.</i> 1987 January; 7(1): 379-387
Source	adenovirus-transformed kidney cells, expressing SV40 large T antigen
Morphology	fibroblast
Species	human
Growth Properties	
References	
Results Summary	good: 102 neutral: 13 bad: 2
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Habermann A, Krijnse Locker J, Oberwinkler H, Eckhardt M, Homann S, Andrew A, Strebel K, Kräusslich HG (2010) CD317/Tetherin is Enriched in the HIV-1 Envelope and Downregulated from the Plasma Membrane upon Virus Infection. *J. Virol.*, Feb 2010; 10.1128/JVI.02421-09.

### 293T/17

ATCCno. Or ECACCno.	ATCC® CRL-11268™
Source	kidney
Morphology	epithelial
Species	human
Growth Properties	adherent

#### References

Results Summary good: 3

Jens-Bernhard Loesing, Stefano Di Fiore, Klaus Ritter, Rainer Fischer and Michael Kleines (2009) Epstein–Barr virus BDLF2–BMRF2 complex affects cellular morphology. *J. Gen. Virol.*, Jun 2009; 90: 1440-1449.

A Raafat, S Lawson, S Bargo, M Klauzinska, L Strizzi, AS Goldhar, K Buono, D Salomon, BK Vonderhaar and R Callahan (2009) Rbpj conditional knockout reveals distinct functions of Notch4/Int3 in mammary gland development and tumorigenesis. *Oncogene* (2009) 28, 219-230.

### 293Zztaq

ATCCno. Or ECACCno.	Myhre et al., <i>Gene Therapy</i> (2009) 16, 252-261.
Source	HEK293 cells stably transfected to express surface bound Zztaq
Morphology	epithelial
Species	human
Growth Properties	adherent

#### References

Results Summary good: 1

S Myhre, P Henning, M Friedman, S Stahl, L Lindholm and MK Magnusson (2009) Re-targeted adenovirus vectors with dual specificity; binding specificities conferred by two different Affibody molecules in the fiber. *Gene Therapy* (2009) 16, 252-261.

### 2C4, fibrosarcoma

ATCCno. Or ECACCno.	Mao et al., <i>PNAS</i> , April 1993, Vol. 90, 2880-2884, Genetics
Source	derived from fibrosarcoma line HT1080; cells contain neomycin-resistance marker neo
Morphology	
Species	human
Growth Properties	

#### References

Results Summary good: 1

Raghavan, B., Zhang, G., Kotur, M., Cheatham, J. and Trgovcich, J. (2006) Superiority of FuGENE® DH Transfection

Reagent in Minimizing Non-Specific Cellular Interferon Responses, [BIOCHEMICA, No.3, 2006, p.20-23.](#)

<b>2FTGH</b>	
ATCCno. Or ECACCno.	Pellegrini et al., Mol Cell Biol, 1989, Vol. 9, No. 11, 4605-4612
Source	derived from fibrosarcoma line HT1080; cells contain hygromycin-resistance marker hygB
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>3T3-L1</b>	
ATCCno. Or ECACCno.	ATCC® CL-173™
Source	embryonic fibroblasts
Morphology	fibroblast
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 6 bad: 1
<p>Georgios C. Stefos, Walter Becker, Antonis D. Lampidonis, Emmanuel Rogdakis (2009) Cloning and functional characterization of the ovine malic enzyme promoter. <i>Gene</i>, Vol. 428(1-2), January 2009, 36-40.</p>	
<p>F.H.J. van Tienen, H. Laeremans, C.J.H. van der Kallen, H.J.M. Smeets (2009) Wnt5b stimulates adipogenesis by activating PPARc, and inhibiting the b-catenin dependent Wnt signaling pathway together with Wnt5a. <i>Biochemical and Biophysical Research Communications</i> 387 (2009) 207-211.</p>	
<p>Craig W. Younce, Asim Azfer, and Pappachan E. Kolattukudy (2009) MCP-1 (Monocyte Chemotactic Protein-1)-induced Protein, a Recently Identified Zinc Finger Protein, Induces Adipogenesis in 3T3-L1 Pre-adipocytes without Peroxisome Proliferator-activated Receptor Gamma. <i>J. Biol. Chem.</i>, Oct 2009; 284: 27620-27628.</p>	

<b>5637</b>	
ATCCno. Or ECACCno.	ATCC® HTB-9™
Source	carcinoma; urinary bladder
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Michal Stros, Eva Polanska, Sona Struncova and Sarka Pospisilova (2009) HMGB1 and HMGB2 proteins up-regulate cellular expression of human topoisomerase IIalpha. <i>Nucleic Acids Research</i>, 2009, Vol. 37(7), 2070–2086.</p>	

Zheng Hu, Qing Ai, Hua Xu, Xin Ma, Hong-zhao Li, Tao-ping Shi, Chao Wang, Dao-jing Gong, Xu Zhang (2009) Fibulin-5 is down-regulated in urothelial carcinoma of bladder and inhibits growth and invasion of human bladder cancer cell line 5637. *Urologic Oncology: Seminars and Original Investigations*, doi:10.1016/j.urolonc.2009.06.004

<b>85HG-66</b>	
ATCCno. Or ECACCno.	Stavrou et al., <i>Journal of the Neurological Sciences</i> , 1987, 80:205-220
Source	brain, astrocytoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Kamyar Hadian, Michelle Vincendeau, Nina Mäusbacher, Daniel Nagel, Stefanie M. Hauck, Marius Ueffing, Abraham Loyter, Thomas Werner, Horst Wolff, and Ruth Brack-Werner (2009) Identification of a Heterogeneous Nuclear Ribonucleoprotein-recognition Region in the HIV Rev Protein. <i>Endocrinology</i>. doi:10.1210/en.2009-0551</p>	

<b>A-10</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1476™
Source	aorta, thoracic; medial layer
Morphology	myoblast
Species	rat
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Personal communication</p>	

<b>A-172 [A172]</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1620™
Source	brain, glioblastoma
Morphology	
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Miki Hiroi, Kazumasa Mori, Yoshiichi Sakaeda, Jun Shimada, Yoshihiro Ohmori (2009) STAT1 represses hypoxia-inducible factor-1-mediated transcription. <i>Biochemical and Biophysical Research Communications</i> 387 (2009) 806-810.</p> <p>Benjamin Kefas et al. (2009) The Neuronal MicroRNA miR-326 Acts in a Feedback Loop with Notch and Has Therapeutic Potential against Brain Tumors. <i>J. Neurosci.</i>, Dec 2009; 29: 15161-15168.</p>	

<b>A-375 [A375]</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1619™

Source	skin; melanoma
Morphology	epithelial
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 6
See also <a href="#">Cell-type specific protocols and data</a>	
<p>Chaogu Zheng, Yijun Qiu, Qiqun Zeng, Ying Zhang, Di Lu, Dongling Yang, Jing Feng, Xiyun Yan (2009) Endothelial CD146 is required for in vitro tumor-induced angiogenesis: The role of a disulfide bond in signaling and dimerization. <i>The International Journal of Biochemistry &amp; Cell Biology</i>, Vol. 41(11), Nov 2009, 2163-2172.</p>	
<p>M A Davies, K Stemke-Hale, C Tellez, T L Calderone, W Deng, V G Prieto, A J F Lazar, J E Gershenwald and G B Mills (2009) A novel AKT3 mutation in melanoma tumours and cell lines. <i>British Journal of Cancer</i> (2008) 99, 1265-1268. doi:10.1038/sj.bjc.6604637</p>	
<p>Tomohiro Arakawa, Hidetoshi Hayashi, Saotomo Itoh, Takemasa Takii, Kikuo Onozaki (2010) IL-1-induced ERK1/2 activation up-regulates p21Waf1/Cip1 protein by inhibition of degradation via ubiquitin independent pathway in human melanoma cells A375. <i>Biochemical and Biophysical Research Communications</i>, Feb 2010, Volume 392, Issue 3, 369-372.</p>	

<b>A-431</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1555™
Source	carcinoma, epidermoid; epidermis
Morphology	epithelial
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 5 bad: 1
<p>Noriko Iwamoto, Daigo Sumi, Takeshi Ishii, Koji Uchida, Arthur K. Cho, John R. Froines, and Yoshito Kumagai (2007) Chemical knockdown of protein tyrosine phosphatase 1B by 1,2-naphthoquinone through covalent modification causes persistent transactivation of epidermal growth factor receptor. <i>J. Biol. Chem.</i>, Sep 2007; 10.1074/jbc.M705224200</p>	
<p>Yoonseok Kam, Vito Quaranta (2009) Cadherin-Bound beta-Catenin Feeds into the Wnt Pathway upon Adherens Junctions Dissociation: Evidence for an Intersection between beta-Catenin Pools. <i>PLoS One</i>. 2009;4(2):e4580.</p>	
<p>Jinghui Hu, Flavia Troglio, Alka Mukhopadhyay, Stephanie Everingham, Ester Kwok, Giorgio Scita, Andrew W.B. Craig (2009) F-BAR-containing adaptor CIP4 localizes to early endosomes and regulates Epidermal Growth Factor Receptor trafficking and downregulation. <i>Cellular Signalling</i> 21 (2009) 1686-1697.</p>	
<p>Yonathan Lissanu Deribe et al. (2009) Regulation of Epidermal Growth Factor Receptor Trafficking by Lysine Deacetylase HDAC6. <i>Sci. Signal.</i>, 22 Dec 2009, Vol. 2, Issue 102, p. ra84.</p>	

**A-498**

ATCCno. Or ECACCno.	ATCC® HTB-44™
Source	kidney carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 4
<p>Kazumori Kawakami, Hiroshi Hirata, Soichiro Yamamura, Nobuyuki Kikuno, Sharanjot Saini, Shahana Majid, Yuichiro Tanaka, Ken Kawamoto, Hideki Enokida, Masayuki Nakagawa, Rajvir Dahiya (2009) Functional Significance of Wnt Inhibitory Factor-1 Gene in Kidney Cancer. <i>Cancer Res</i>, Nov 2009; 69(22), 8603-8610.</p>	
<p>Lin-Hui Wang, Qian Liu, Bin Xu, Wei Chen, Qing Yang, Zhi-Xiang Wang, Ying-Hao Sun (2009) Identification of nuclear localization sequence of CXCR4 in renal cell carcinoma by constructing expression plasmids of different deletants. <i>Plasmid</i>, Vol. 63(1), Jan 2010, 68-72.</p>	
<p>Hiroshi Hirata et al. (2009) Wnt Antagonist Gene DKK2 Is Epigenetically Silenced and Inhibits Renal Cancer Progression through Apoptotic and Cell Cycle Pathways. <i>Clin Cancer Res</i>. 2009 Sep 15;15(18):5678-87.</p>	
<p>Hiroshi Hirata, Yuji Hinoda, Koji Ueno, Shahana Majid, Sharanjot Saini, and Rajvir Dahiya (2010) Role of Secreted Frizzled-Related Protein 3 in Human Renal Cell Carcinoma. <i>Cancer Res.</i>, Mar 2010; 70: 1896-1905.</p>	

<b>A-673</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1598™
Source	muscle; rhabdomyosarcoma
Morphology	fibroblast
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 1
Personal communication	

<b>A2 cells, Xiphophorus</b>	
ATCCno. Or ECACCno.	
Source	embryo, fibroblast, cell line A2
Morphology	epithelial
Species	Xiphophorus maculatus
Growth Properties	
<b>References</b>	
Results Summary	good: 1
Personal communication	

<b>A2780</b>	
ATCCno. Or ECACCno.	
Source	ovarian cancer

Morphology	
Species	human
Growth Properties	monolayer; suspension; spinner cultures
References	
Results Summary	good: 1
<p>Christian Klausen, Peter C.K. Leung and Nelly Auersperg (2009) Cell Motility and Spreading Are Suppressed by HOXA4 in Ovarian Cancer Cells: Possible Involvement of beta1 Integrin. <i>Mol Cancer Res.</i> 2009 Sep;7(9):1425-37.</p>	

<b>A549</b>	
ATCCno. Or ECACCno.	ATCC® CCL-185™
Source	carcinoma; lung
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 17 bad: 2
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	
<p>F S Falvella, F Colombo, M Spinola, M Campiglio, U Pastorino, T A Dragani (2008) BHLHB3: a candidate tumor suppressor in lung cancer. <i>Oncogene</i> (2008), 1–4; <i>Oncogene advance online publication</i>, 28 January2008; doi:10.1038/sj.onc.1211038</p>	
<p>Liu Q, Fu H, Sun F, Zhang H, Tie Y, Zhu J, Xing R, Sun Z, and Zheng X (2008) MiR-16 family induces cell cycle arrest by regulating multiple cell cycle genes. <i>Nucleic Acids Res.</i>, Sep 2008; 36: 5391 - 5404</p>	
<p>Philip J Santangelo, Aaron W Lifland, Paul Curt, Yukio Sasaki, Gary J Bassell, Michael E Lindquist, and James E Crowe (2009) Single molecule–sensitive probes for imaging RNA in live cells. <i>Nature Methods</i>, Apr 2009, 6(5):347-349.</p>	
<p>Yongyu Wang, Phillip J. Kuan, Chao Xing, Jennifer T. Cronkhite, Fernando Torres, Randall L. Rosenblatt, J. Michael DiMaio, Lisa N. Kinch, Nick V. Grishin, and Christine Kim Garcia (2009) Genetic Defects in Surfactant Protein A2 Are Associated with Pulmonary Fibrosis and Lung Cancer. <i>The American Journal of Human Genetics</i>, 84(1):52-59.</p>	
<p>Tuomas J. Heiskanen, Sara A. Illman, Jouko Lohi, Jorma Keski-Oja (2009) Epilysin (MMP-28) is deposited to the basolateral extracellular matrix of epithelial cells. <i>Matrix Biol.</i> 2009 Mar;28(2):74-83.</p>	
<p>Outi Leppaeranta, Ville Pulkkinen, Katri Koli , Riika Vaehaetalo , Kaisa Salmenkivi , Vuokko L Kinnula, Markku Heikinheimo, Marjukka Myllaerniemi (2009) Transcription factor GATA-6 is expressed in quiescent myofibroblasts in idiopathic pulmonary fibrosis. <i>Am. J. Respir. Cell Mol. Biol.</i>, Jul 2009; 10.1165/rcmb.2009-0021OC.</p>	
<p>Lucia Seminario-Vidal, Silvia Kreda, Lisa Jones, Wanda O’Neal, JoAnn Trejo, Richard C. Boucher, and Eduardo R. Lazarowski (2009) Thrombin Promotes Release of ATP from Lung Epithelial Cells through Coordinated Activation of Rho- and Ca<sup>2+</sup> dependent Signaling Pathways. <i>J. Biol. Chem.</i>, Jul 2009; 284: 20638-20648.</p>	
<p>Snehal Dabir, Amy Kluge, and Afshin Dowlati (2009) The Association and Nuclear Translocation of the PI-AS3-STAT3 Complex Is Ligand and Time Dependent. <i>Mol Cancer Res</i>, November 2009, 7(11); 1854-1860.</p>	

Ville Pulkkinen et al. (2009) ELMOD2, a candidate gene for idiopathic pulmonary fibrosis, regulates antiviral responses. *FASEB J*, Dec 2009; 10.1096/fj.09-138545.

<b>A7r5</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1444™
Source	thoracic aorta; smooth muscle
Morphology	fibroblast
Species	rat
Growth Properties	adherent
References	
Results Summary	good: 3
<p>De Kimpe L, Janssens K, Derua R, Armacki M, Goicoechea S, Otey C, Waelkens E, Vandoninck S, Vandenneede JR, Seufferlein T, Van Lint J (2009) Characterization of cortactin as an in vivo protein kinase D substrate: Interdependence of sites and potentiation by Src. <i>Cell Signal</i>. 2009 Feb;21(2):253-63</p>	

<b>ACHN</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1611™
Source	kidney, renal cell adenocarcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Kerstin Klein, Gerd A. Kullak-Ublick, Martin Wagner, Michael Traun (2009) Hepatocyte nuclear factor-4alpha and bile acids regulate human concentrative nucleoside transporter-1 gene expression. <i>Am J Physiol Gastrointest Liver Physiol</i>, 2009, 296: G936-G947.</p> <p>Kazumori Kawakami, Hiroshi Hirata, Soichiro Yamamura, Nobuyuki Kikuno, Sharanjot Saini, Shahana Majid, Yuichiro Tanaka, Ken Kawamoto, Hideki Enokida, Masayuki Nakagawa, Rajvir Dahiya (2009) Functional Significance of Wnt Inhibitory Factor-1 Gene in Kidney Cancer. <i>Cancer Res</i>, Nov 2009; 69(22), 8603-8610.</p>	

<b>AGS</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1739™
Source	stomach, gastric adenocarcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 3
<p>See also <a href="#">Cell-type specific protocols and data</a></p> <p>Zhang, Z., Li, Z., Gao, C., Chen, P., Chen, J., Liu, W., Xiao, S., Lu, H. (2008) MiR-21 plays a pivotal role in gastric cancer pathogenesis and progression. <i>Lab Invest</i>. 2008 Dec;88(12):1358-66.</p>	



Dapeng Zhao, Zhifang Liu, Jian Ding, Wenjuan Li, Yundong Sun, Han Yu, Yabin Zhou, Jiping Zeng, Chunyan Chen, and Jihui Jia (2010) Helicobacter pylori CagA upregulation of CIP2A is dependent on the Src and MEK/ERK pathways. *J. Med. Microbiol.*, Mar 2010; 59: 259-265.

<b>ARPE 19</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2502™
Source	retinal pigmented epithelium; retina
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 3 neutral: 1
Jennifer Johnson, Pamela Maher, and Anne Hanneken (2009) The Flavonoid, Eriodictyol, Induces Long-term Protection in ARPE-19 Cells through Its Effects on Nrf2 Activation and Phase 2 Gene Expression. <i>Investigative Ophthalmology &amp; Visual Science</i> , May 2009, Vol. 50, No. 5, 2398-2406.	

<b>Astrocytoma cells, anaplastic (AA)</b>	
ATCCno. Or ECACCno.	
Source	brain, anaplastic astrocytoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Hu Zhu, Xinyu Cao, Francis Ali-Osman, Stephen Keir, Hui-Wen Lo (2010) EGFR and EGFRvIII interact with PUMA to inhibit mitochondrial translocation of PUMA and PUMA-mediated apoptosis independent of EGFR kinase activity. <i>Cancer Letters</i> , In Press;	

<b>AT3F</b>	
ATCCno. Or ECACCno.	
Source	liver, hepatoma
Morphology	epithelial
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 1
Personal communication	

<b>ATDC5</b>	
ATCCno. Or ECACCno.	T. Sugawara et al (2003) <i>J. Biol. Chem.</i> , Oct 2003; 278: 42487 - 42494
Source	differentiating culture of AT805 teratocarcinoma cells
Morphology	chodroprogenitors

Species	mouse
Growth Properties	adherent
References	
Results Summary	neutral: 1
Personal communication	

<b>AtT-20</b>	
ATCCno. Or ECACCno.	ATCC® CCL-89™
Source	tumor; pituitary
Morphology	small rounded cells
Species	mouse
Growth Properties	cells do not attach but aggregate to form clusters; the clusters are viable
References	
Results Summary	good: 3
<p>Jing Yang, Michael S. Brown, Guosheng Liang, Nick V. Grishin, and Joseph L. Goldstein (2008) Identification of the Acyltransferase that Octanoylates Ghrelin, an Appetite-Stimulating Peptide Hormone. <i>Cell</i> 132, 387-396, February 8, 2008</p>	
<p>FUNKELSTEIN Lydiane ; TONEFF Thomas ; MOSIER Charles ; HWANG Shin-Rong ; BEUSCHLEIN Felix ; LICHTENAUER Urs D. ; REINHECKEL Thomas ; PETERS Christoph ; HOOK Vivian (2008) Major Role of Cathepsin L for Producing the Peptide Hormones ACTH, <math>\beta</math>-Endorphin, and <math>\beta</math>-MSH, Illustrated by Protease Gene Knockout and Expression. <i>J. Biol. Chem.</i>, Dec 2008; 283: 35652 - 35659</p>	
<p>Tian L, Jeffries O, McClafferty H, Molyvdas A, Rowe IC, Saleem F, Chen L, Greaves J, Chamberlain LH, Knaus HG, Ruth P, Shipston MJ (2008) Palmitoylation gates phosphorylation-dependent regulation of BK potassium channels. <i>PNAS</i>, Dec 2008; 105: 21006 - 21011</p>	

<b>B-3</b>	
ATCCno. Or ECACCno.	ATCC® CRL-11421™
Source	eye lens
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Li-Yun Zhang, Bo Gong, Jian-Ping Tong, Dorothy Shu-Ping Fan, Sylvia Wai-Yee Chiang, Dinghua Lou, Dennis Shun-Chiu Lam, Gary Hin-Fai Yam, Chi-Pui Pang (2009) A novel gammaD-crystallin mutation causes mild changes in protein properties but leads to congenital coralliform cataract. <i>Molecular Vision</i> 2009; 15:1521-1529.</p>	
<p>Bo Gong, Li-Yun Zhang, Chi-Pui Pang, Dennis Shun-Chiu Lam, Gary Hin-Fai Yam (2009) Trimethylamine N-oxide alleviates the severe aggregation and ER stress caused by G98R alphaA-crystallin. <i>Molecular Vision</i>, 2009, 15:2829-2840.</p>	

<b>B16-F1</b>	
ATCCno. Or ECACCno.	ATCC® CRL-6323™
Source	melanoma
Morphology	epithelial
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 3
<p>Frank PL Lai, Malgorzata Szczodrak, Jennifer Block, Jan Faix, Dennis Breitsprecher, Hans G Mannherz, Theresia EB Stradal, Graham A Dunn, J Victor Small, Klemens Rottner (2008) Arp2/3 complex interactions and actin network turnover in lamellipodia. <i>The EMBO Journal</i> 27, 982 - 992 (09 Apr 2008), doi: 10.1038/emboj.2008.34, Article</p>	
<p>HJ Mauceri, MA Beckett, H Liang, HG Sutton, S Pitroda, E Galka, E Efimova, T Darga, NN Khodarev, CR King, MC Posner, S Hellman, DW Kufe and RR Weichselbaum (2009) Translational strategies exploiting TNF-alpha that sensitize tumors to radiation therapy. <i>Cancer Gene Therapy</i> (2009) 16, 373-381.</p>	
<p>Yasuhiro Ohshima, Mitsutoshi Tsukimoto, Takato Takenouchi, Hitoshi Harada, Akina Suzuki, Mitsuru Sato, Hiroshi Kitani, Shuji Kojima (2009) Gamma-Irradiation induces P2X7 receptor-dependent ATP release from B16 melanoma cells. <i>Biochimica et Biophysica Acta</i>, 2010, 1800, 40-46.</p>	

<b>B16-F10</b>	
ATCCno. Or ECACCno.	ATCC® CRL-6475™
Source	skin; melanoma
Morphology	
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Aaron J. Thomas and Carol A. Erickson (2009) FOXD3 regulates the lineage switch between neural crest-derived glial cells and pigment cells by repressing MITF through a non-canonical mechanism. <i>Development</i>, Jun 2009; 136: 1849-1858.</p>	

<b>B3Z</b>	
ATCCno. Or ECACCno.	
Source	T cell hybridoma
Morphology	
Species	mouse
Growth Properties	
References	
Results Summary	neutral: 1
<p>Personal communication</p>	

<b>BC-1</b>	
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ATCCno. Or ECACCno.	ATCC® CRL-2230™
Source	lymphoma; B lymphocyte
Morphology	lymphoblast
Species	human
Growth Properties	suspension
References	
Results Summary	neutral: 1
Personal communication	

<b>BEAS-2B</b>	
ATCCno. Or ECACCno.	ATCC® CRL-9609™
Source	normal; lung; bronchus; epithelial; virus transformed
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2
Christian Koelsche, Julia Strebovsky, Andrea Baetz, Alexander H. Dalpke (2009) Structural and functional analysis of a nuclear localization signal in SOCS1. <i>Molecular Immunology</i> , 2009, 46, 2474-2480.	

<b>BeWo</b>	
ATCCno. Or ECACCno.	ATCC® CCL-98™
Source	placenta, choriocarcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
K. Forbes, M. Desforges, R. Garside, J.D. Aplin, M. Westwood (2009) Methods for siRNA-mediated Reduction of mRNA and Protein Expression in Human Placental Explants, Isolated Primary Cells and Cell Lines. <i>Placenta</i> , Vol. 30(2), 124-129.	

<b>BHK-21 [C-13]</b>	
ATCCno. Or ECACCno.	ATCC® CCL-10™
Source	normal; kidney
Morphology	fibroblast
Species	hamster, Syrian golden
Growth Properties	adherent
References	
Results Summary	good: 6 bad: 1
See also <a href="#">Cell-type specific protocols and data</a>	

Ward, V.K., McCormick, C.J., Clarke, I.N., Salim, O., Wobus, C.E., Thackray, L.B., Virgin IV, H.W., and Lambden, P.R. (2007) Recovery of infectious murine norovirus using pol II-driven expression of full-length cDNA. *PNAS*, Jun 2007; 104: 11050 - 11055

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Huaiping Zhu, Zhimin Liang, and Guangpu Li (2009) Rabex-5 Is a Rab22 Effector and Mediates a Rab22-Rab5 Signaling Cascade in Endocytosis. *Mol. Biol. Cell*, Nov 2009; 20: 4720-4729.

### BHK6

ATCCno. Or ECACCno.	Wakamori et al., <i>J Biol Chem</i> . 1998 Dec 25;273(52):34857-67.
Source	baby hamster kidney
Morphology	
Species	hamster, Syrian golden
Growth Properties	

#### References

Results Summary	good: 1
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Jinfeng Teng, Kazuko Iida, Masanori Ito, Hiroko Izumi-Nakaseko, Itaru Kojima, Satomi Adachi-Akahane, Hidetoshi Iida (2010) Role of glycine residues highly conserved in the S2-S3 linkers of domains I and II of voltage-gated calcium channel alpha1 subunits. *Biochemical and Biophysical Research Communications*, Jan 2010, Article in press.

### BL-3

ATCCno. Or ECACCno.	ATCC® CRL-8037™
Source	B lymphocyte from lymphosarcoma; leukemia
Morphology	lymphoblast
Species	Bos taurus (cow)
Growth Properties	suspension

#### References

Results Summary	good: 1
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Dharmika N. Atapattu and Charles J. Czuprynski (2007) Mannheimia haemolytica Leukotoxin Binds to Lipid Rafts in Bovine Lymphoblastoid Cells and Is Internalized in a Dynamin-2- and Clathrin-Dependent Manner. *Infect. Immun.*, Oct 2007; 75: 4719 - 4727.

### BOSC 23

ATCCno. Or ECACCno.	
Source	293T cells modified to be high-titre virus producers
Morphology	epithelial
Species	human
Growth Properties	adherent

#### References

Results Summary	good: 1
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Cardone RA, Busco G, Greco MR, Bellizzi A, Accardi R, Cafarelli A, Monterisi S, Carratu P, Casavola V, Paradiso A, Tommasino M, Reshkin SJ (2008) HPV16 E7-Dependent Transformation Activates NHE1 through a PKA-RhoA-Induced Inhibition of p38alpha. *PLoS ONE* 3(10): e3529. doi:10.1371/journal.pone.0003529

<b>BPH-1</b>	
ATCCno. Or ECACCno.	DMSZ-No: ACC 143
Source	a benign hyperplastic prostatic epithelial cell line
Morphology	epitheloid cells
Species	human
Growth Properties	adherent, growing as monolayers
References	
Results Summary	good: 1
Personal communication	

<b>BSR-T7/5</b>	
ATCCno. Or ECACCno.	
Source	BHK-21 [C-13] cells stably transfected with a T7 RNAPol expression plasmid
Morphology	fibroblast
Species	hamster, Syrian golden
Growth Properties	
References	
Results Summary	good: 4
Marian A. Wiegand, Sascha Bossow, Sabine Schlecht, and Wolfgang J. Neubert (2007) De novo Synthesis of N and P Proteins as a Key Step in Sendai Viral Gene Expression. <i>J. Virol.</i> , Dec. 2007; 81: 13835-13844.	
Joanna Rawling, Blanca García-Barreno, and José A. Melero (2008) Insertion of the Two Cleavage Sites of the Respiratory Syncytial Virus Fusion Protein in Sendai Virus Fusion Protein Leads to Enhanced Cell-Cell Fusion and a Decreased Dependency on the HN Attachment Protein for Activity. <i>J. Virol.</i> , Jun 2008; 82: 5986 - 5998	
Habjan M, Penski N, Spiegel M, and Weber F (2008) T7 RNA polymerase-dependent and -independent systems for cDNA-based rescue of Rift Valley fever virus. <i>J. Virol.</i> , Sep 2008; 82: 8900-8905.	
Yoshinori Kitagawa, Min Zhou, Mayu Yamaguchi, Takayuki Komatsu, Kenji Takeuchi, Masae Itoh, Bin Gotoh (2010) Human metapneumovirus M2-2 protein inhibits viral transcription and replication. <i>Microbes and Infection</i> , Feb 2010, Volume 12, Issue 2, 135-145.	

<b>BT-474</b>	
ATCCno. Or ECACCno.	ATCC® HTB-20™
Source	mammary gland; ductal carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent, patchy
References	

Results Summary	good: 4
<p>Grégory Nolens, Jean-Christophe Pignon, Benjamin Koopmansch, Benaïssa Elmoualij, Willy Zorzi, Edwin De Pauw and Rosita Winkler (2009) Ku proteins interact with activator protein-2 transcription factors and contribute to ERBB2 overexpression in breast cancer cell lines. <i>Breast Cancer Res.</i> 2009;11(6):R83.</p>	
<p>Antonis Kourtidis, Ritu Jain, Richard D. Carkner, Cheryl Eifert, M. Julia Brosnan, and Douglas S. Conklin (2010) An RNA Interference Screen Identifies Metabolic Regulators NR1D1 and PBP as Novel Survival Factors for Breast Cancer Cells with the ERBB2 Signature. <i>Cancer Res.</i>, Mar 2010; 70: 1783-1792.</p>	

<b>BxPC-3</b>	
ATCCno. Or ECACCno.	ECACC-No: 93120816
Source	pancreas; primary pancreatic adenocarcinoma
Morphology	epithelial
Species	human
Growth Properties	
References	
Results Summary	good: 2
<p>Shujie Zhao, Sudhakar Ammanamanchi, Michael Brattain, Lin Cao, Amalraj Thangasamy, Jing Wang, and James W. Freeman (2008) Smad4-dependent TGF- signaling suppresses RON receptor tyrosine kinase dependent motility and invasion of pancreatic cancer cells. <i>J. Biol. Chem.</i>, Feb 2008; 10.1074/jbc.M800154200; <i>J. Biol. Chem.</i>, Apr 2008; 283: 11293 - 11301</p>	
<p>Archange C, Nowak J, Garcia S, Moutardier V, Calvo EL, Dagorn JC, Iovanna JL (2008) The WSB1 Gene Is Involved in Pancreatic Cancer Progression. <i>PLoS ONE</i> 3(6): e2475. doi:10.1371/journal.pone.0002475</p>	

<b>C-28/12</b>	
ATCCno. Or ECACCno.	
Source	cartilage; immortalized human chondrocytes
Morphology	chondrocyte
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Travis Pew, Min Zou, Deanna R. Brickley, and Suzanne D. Conzen (2008) Glucocorticoid (GC)-Mediated Down-Regulation of Urokinase Plasminogen Activator Expression via the Serum and GC Regulated Kinase-1/Forkhead Box O3a Pathway. <i>Endocrinology</i>, May 2008; 149: 2637 - 2645</p>	

<b>C17.2</b>	
ATCCno. Or ECACCno.	
Source	cerebellum; immortalized neural progenitor cell line
Morphology	neuronal
Species	mouse
Growth Properties	adherent
References	

Results Summary	good: 2
<p>Shu-Ting Lin and Ying-Hui Fu (2009) miR-23 regulation of lamin B1 is crucial for oligodendrocyte development and myelination. <i>Dis. Model. Mech.</i>, Mar 2009; 2: 178-188.</p>	
<p>Ellen Bellon, Frank P. Luyten, and Przemko Tylzanowski (2009) delta-EF1 is a negative regulator of Ihh in the developing growth plate. <i>J. Cell Biol.</i>, Nov 2009; 187: 685-699.</p>	

<b>C2C12</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1772™
Source	muscle; myoblast
Morphology	fibroblast
Species	mouse
Growth Properties	monolayer
References	
Results Summary	good: 9 neutral: 1 bad: 1
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	
<p>Jia Wang, Nan-Jie Ruan, Lei Qian, Wen-liang Lei, Fei Chen, and Zhen-Ge Luo (2008) Wnt/beta-catenin signaling suppresses rapsyn expression and inhibits acetylcholine receptor clustering at the neuromuscular junction. <i>J. Biol. Chem.</i>, Aug 2008; 283: 21668-21675.</p>	
<p>Evelyne M. Aubry and Alex Odermatt (2009) Retinoic Acid Reduces Glucocorticoid Sensitivity in C2C12 Myotubes by Decreasing 11beta-Hydroxysteroid Dehydrogenase Type 1 and Glucocorticoid Receptor Activities. <i>Endocrinology</i>, June 2009, 150(6):2700–2708.</p>	
<p>Katharine H. Wrighton, Xia Lin, Paul B. Yu, and Xin-Hua Feng (2009) Transforming Growth Factor Beta Can Stimulate Smad1 Phosphorylation Independently of Bone Morphogenetic Protein Receptors. <i>J. Biol. Chem.</i>, Apr 2009; 284: 9755-9763.</p>	
<p>Chandi C. Mandal, Goutam Ghosh Choudhury and Nandini Ghosh-Choudhury (2009) Phosphatidylinositol 3 Kinase/Akt Signal Relay Cooperates with Smad in Bone Morphogenetic Protein-2-Induced Colony Stimulating Factor-1 (CSF-1) Expression and Osteoclast Differentiation. <i>Endocrinology</i>, Nov 2009; 150: 4989-4998.</p>	
<p>W. Zhao, Y. H. Su, R. J. Su, C. F. Ba, R. X. Zeng and H. J. Song (2009) The full length cloning of a novel porcine gene CFL2b and its influence on the MyHC expression. <i>Mol Biol Rep</i> (2009) 36:2191–2199.</p>	
<p>Myengmo Kang, Jinwoong Bok, Custer C. Deocaris, Hyung Woo Park and Myoung Hee Kim (2009) Hoxc8 represses BMP-induced expression of Smad6. <i>Molecules and Cells</i>, Dez 2009, 10.1007/s10059-010-0007-1</p>	

<b>C33A</b>	
ATCCno. Or ECACCno.	
Source	cervix; carcinoma
Morphology	
Species	human



Growth Properties	
References	
Results Summary	good: 1
<p>Anjali Bheda, Julia Shackelford, Joseph S. Pagano (2009) Expression and Functional Studies of Ubiquitin Cterminal Hydrolase L1 Regulated Genes. PLoS ONE 4(8): e6764. doi:10.1371/journal.pone.0006764</p>	

<b>C3A</b>	
ATCCno. Or ECACCno.	ATCC® CRL-10741™
Source	liver; hepatocellular carcinoma
Morphology	epithelial
Species	Homo sapiens (human)
Growth Properties	adherent
References	
Results Summary	good: 1
Personal communication	

<b>C3H/10T1/2</b>	
ATCCno. Or ECACCno.	ATCC® CCL-226™
Source	embryo
Morphology	fibroblast
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 3
<p>Myengmo Kang, Jinwoong Bok, Custer C. Deocaris, Hyoung Woo Park and Myoung Hee Kim (2009) Hoxc8 represses BMP-induced expression of Smad6. Molecules and Cells, Dez 2009, 10.1007/s10059-010-0007-1</p>	

<b>C3H10</b>	
ATCCno. Or ECACCno.	
Source	adipocytes
Morphology	
Species	mouse
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>C57MG</b>	
ATCCno. Or ECACCno.	
Source	mammary epithelium
Morphology	

Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Jan Lukas, Petr Mazna, Tomas Valenta, Lenka Doubravska, Vendula Pospichalova, Martina Vojtechova, Bohumil Faflek, Robert Ivanek, Jiri Plachy, Jakub Novak and Vladimir Korinek (2009) Dazap2 modulates transcription driven by the Wnt effector TCF-4. <i>Nucleic Acids Research</i>, 2009, Vol 37, No 9, 3007-3020.</p>	

<b>C6</b>	
ATCCno. Or ECACCno.	ATCC® CCL-107™
Source	brain; glioma, glial cell
Morphology	fibroblast
Species	rat
Growth Properties	adherent
References	
Results Summary	good: 3
<p>Charlie C. Huang, Calin-Bogdan Chiribau, Mithu Majumder, Cheng-Ming Chiang, Ronald C. Wek, Robert J. Kelm, Jr., Kamel Khalili, Martin D. Snider, and Maria Hatzoglou (2009) A Bifunctional Intronic Element Regulates the Expression of the Arginine/Lysine Transporter Cat-1 via Mechanisms Involving the Purine-rich Element Binding Protein A (PURalpha). <i>The Journal of Biological Chemistry</i>, Nov 2009, 284, 32312-32320.</p> <p>Hong W. Johnson and Michael J. Schell (2009) Neuronal IP3 3-Kinase is an F-actin-bundling Protein: Role in Dendritic Targeting and Regulation of Spine Morphology. <i>Mol. Biol. Cell</i>, Dec 2009; 20: 5166-5180.</p>	

<b>Ca Ski</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1550™
Source	cervix; epidermoid carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Susanne Dymalla, Martin Scheffner, Elvira Weber, Peter Sehr, Claudia Lohrey, Felix Hoppe-Seyler and Karin Hoppe-Seyler (2009) A novel peptide motif binding to and blocking the intracellular activity of the human papillomavirus E6 oncoprotein. <i>J Mol Med</i>. 2009 Mar;87(3):321-31.</p>	

<b>Ca9-22</b>	
ATCCno. Or ECACCno.	
Source	Gingival carcinoma, expressing remarkable EGF receptor.
Morphology	epithelial-like
Species	human
Growth Properties	
References	

Results Summary	good: 1
<p>Hiroko Hatano, Yasusei Kudo, Ikuko Ogawa, Takaaki Tsunematsu, Akira Kikuchi, Yoshimitsu Abiko, and Takashi Takata (2009) IFN-Induced Transmembrane Protein 1 Promotes Invasion at Early Stage of Head and Neck Cancer Progression. <i>Clin. Cancer Res.</i>, Oct 2008; 14: 6097 - 6105.</p>	

<b>Caco-2</b>	
ATCCno. Or ECACCno.	ATCC® HTB-37™
Source	colorectal adenocarcinoma; colon
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 9
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	
<p>Wenxiang Meng, Yoshimi Mushika, Tetsuo Ichii, and Masatoshi Takeichi (2009) Anchorage of Microtubule Minus Ends to Adherens Junctions Regulates Epithelial Cell-Cell Contacts. <i>Cell</i>, Nov 2008, Vol 135, Issue 5, 948-959.</p>	
<p>Kerstin Klein, Gerd A. Kullak-Ublick, Martin Wagner, Michael Traun (2009) Hepatocyte nuclear factor-4alpha and bile acids regulate human concentrative nucleoside transporter-1 gene expression. <i>Am J Physiol Gastrointest Liver Physiol</i>, 2009, 296: G936-G947.</p>	
<p>Jyrki J. Eloranta, Christian Hiller, Stephanie Haeusler, Bruno Stieger, and Gerd A. Kullak-Ublick (2009) Vitamin D3 and its Nuclear Receptor Increase the Expression and Activity of the Human Proton-Coupled Folate Transporter. <i>Mol Pharmacol</i>. 2009 Nov;76(5):1062-71.</p>	
<p>Kyoko Takahashi, Yutaka Sugi, Akira Hosono, and Shuichi Kaminogawa (2009) Epigenetic Regulation of TLR4 Gene Expression in Intestinal Epithelial Cells for the Maintenance of Intestinal Homeostasis. <i>The Journal of Immunology</i>, 2009, 183, 6522-6529.</p>	

<b>Caco-2 BBe [C2BBE1]</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2102™
Source	clone of Caco-2 (ATCC HTB-37)
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Yamaguchi N, Miyamoto S, Ogura Y, Goda T and Suruga K (2009) Hepatocyte nuclear factor-4alpha regulates human 1 cellular retinol-binding protein type II gene expression in intestinal cells. <i>Am J Physiol Gastrointest Liver Physiol</i>, 2009, Vol. 59, No. 3, [Note(s): G524-G533].</p>	

<b>CaCo-2/TC7</b>
ATCCno. Or ECACCno.

Source	colorectal adenocarcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Maria Mastrogiannaki, Pavle Matak, Brian Keith, M. Celeste Simon, Sophie Vaultont, and Carole Peyssonnaud (2009) HIF-2alpha, but not HIF-1alpha, promotes iron absorption in mice. <i>J. Clin. Invest.</i> 119:1159–1166 (2009).</p>	

<b>Caki-1</b>	
ATCCno. Or ECACCno.	ATCC® HTB-46™
Source	clear cell carcinoma; kidney; from metastatic site: skin
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	

<b>Caki-2</b>	
ATCCno. Or ECACCno.	ATCC® HTB-47™
Source	kidney, clear cell carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Kazumori Kawakami, Hiroshi Hirata, Soichiro Yamamura, Nobuyuki Kikuno, Sharanjot Saini, Shahana Majid, Yuichiro Tanaka, Ken Kawamoto, Hideki Enokida, Masayuki Nakagawa, Rajvir Dahiya (2009) Functional Significance of Wnt Inhibitory Factor-1 Gene in Kidney Cancer. <i>Cancer Res</i>, Nov 2009; 69(22), 8603-8610.</p>	

<b>Cal-51</b>	
ATCCno. Or ECACCno.	[DSMZ-No: ACC 302]
Source	human breast carcinoma
Morphology	epithelial-like
Species	human
Growth Properties	adherent cells growing in monolayers
References	
Results Summary	good: 3
<p>Nicholas C Turner, Christopher J Lord, Elizabeth Iorns, Rachel Brough, Sally Swift, Richard Elliott, Sydonia Rayter, Andrew N Tutt, Alan Ashworth (2008) A synthetic lethal siRNA screen identifying genes mediating sensitivity to a PARP inhibitor. <i>The EMBO Journal</i> 27, 1368 - 1377 (07 May 2008), doi: 10.1038/emboj.2008.61, Article</p>	

<b>CAOV-3</b>	
ATCCno. Or ECACCno.	
Source	ovarian cancer
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Christian Klausen, Peter C.K. Leung and Nelly Auersperg (2009) Cell Motility and Spreading Are Suppressed by HOXA4 in Ovarian Cancer Cells: Possible Involvement of beta1 Integrin. <i>Mol Cancer Res.</i> 2009 Sep;7(9):1425-37.</p>	

<b>Capan-1</b>	
ATCCno. Or ECACCno.	ATCC® HTB-79™
Source	adenocarcinoma; pancreas; from metastatic site: liver
Morphology	epithelial
Species	human
Growth Properties	monolayer
References	
Results Summary	good: 3
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	
<p>Archange C, Nowak J, Garcia S, Moutardier V, Calvo EL, Dagorn JC, Iovanna JL (2008) The WSB1 Gene Is Involved in Pancreatic Cancer Progression. <i>PLoS ONE</i> 3(6): e2475. doi:10.1371/journal.pone.0002475</p>	
<p>Hagmann W, Jesnowski R, Faissner R, Guo C, Löhr JM (2009) ATP-Binding Cassette C Transporters in Human Pancreatic Carcinoma Cell Lines. <i>Pancreatology</i> 2009;9:136-144 DOI: 10.1159/000178884</p>	

<b>Capan-2</b>	
ATCCno. Or ECACCno.	ATCC® HTB-80™
Source	pancreas, adenocarcinoma
Morphology	polygonal
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Archange C, Nowak J, Garcia S, Moutardier V, Calvo EL, Dagorn JC, Iovanna JL (2008) The WSB1 Gene Is Involved in Pancreatic Cancer Progression. <i>PLoS ONE</i> 3(6): e2475. doi:10.1371/journal.pone.0002475</p>	

<b>CHME3</b>	
ATCCno. Or ECACCno.	
Source	fetal microglial cell line
Morphology	
Species	human

Growth Properties	
References	
Results Summary	good: 1
<p>Juliane Haedicke, Craig Brown, and Mojgan H. Naghavi (2009) The brain-specific factor FEZ1 is a determinant of neuronal susceptibility to HIV-1 infection. PNAS, Aug 2009; 106: 14040-14045.</p>	

<b>CHO</b>	
ATCCno. Or ECACCno.	Puck et al., J. Exp. Med., 1958, 108: 945-956.
Source	ovary
Morphology	epithelial
Species	hamster, Chinese
Growth Properties	adherent
References	
Results Summary	good: 37
<p>Sheli R. Radoshitzky, Jens H. Kuhn, Christina F. Spiropoulou, César G. Albariño, Dan P. Nguyen, Jorge Salazar-Bravo, Tatyana Dorfman, Amy S. Lee, Enxiu Wang, Susan R. Ross, Hyeryun Choe, and Michael Farzan (2008) Receptor determinants of zoonotic transmission of New World hemorrhagic fever arenaviruses. PNAS, Feb 2008; 105: 2664 - 2669</p>	
<p>Chun-Rong Chen, Sandra M. McLachlan, and Basil Rapoport (2008) Identification of Key Amino Acid Residues in a Thyrotropin Receptor Monoclonal Antibody Epitope Provides Insight into Its Inverse Agonist and Antagonist Properties. Endocrinology, Jul 2008; 149: 3427 - 3434</p>	
<p>Sailaja Paruchuri, Yongfeng Jiang, Chunli Feng, Sanjeev A. Francis, Jorge Plutzky, and Joshua A. Boyce (2008) Leukotriene E4 Activates Peroxisome Proliferator-activated Receptor and Induces Prostaglandin D2 Generation by Human Mast Cells. J. Biol. Chem., Jun 2008; 283: 16477 - 16487</p>	
<p>Linley JE, Rose K, Patil M, Robertson B, Akopian AN, and Gamper N (2008) Inhibition of M Current in Sensory Neurons by Exogenous Proteases: A Signaling Pathway Mediating Inflammatory Nociception. J. Neurosci., Oct 2008; 28: 11240 - 11249</p>	
<p>Misharin A, Hewison M, Chen CR, Lagishetty V, Aliesky HA, Mizutori Y, Rapoport B, McLachlan SM (2009) Vitamin D Deficiency Modulates Graves' Hyperthyroidism Induced in BALB/c Mice by Thyrotropin Receptor Immunization. Endocrinology, 150(2):1051-1060</p>	
<p>Huang Y, Fei Qiao, Atkinson C, V. Holers VM, and Tomlinson S (2008) A Novel Targeted Inhibitor of the Alternative Pathway of Complement and Its Therapeutic Application in Ischemia/Reperfusion Injury. J. Immunol., Dec 2008; 181: 8068 - 8076</p>	
<p>Mizutori Y, Chen CR, Latrofa F, McLachlan SM, and Rapoport B (2008) Evidence that shed TSH receptor A-subunits drive affinity maturation of autoantibodies causing Graves' disease. J. Clin. Endocrinol. Metab., Dec 2008; 10.1210/jc.2008-2134</p>	
<p>Chun-Rong Chen, Sandra M. McLachlan and Basil Rapoport (2009) A monoclonal antibody with TSH receptor inverse agonist and TSH antagonist activities binds to the receptor hinge region as well as to the leucine-rich domain. Endocrinology, 2009, Vol. 150, No. 7 3401-3408.</p>	

Irina Perdivara, Robert Petrovich, Bernadette Allinquant, Leesa J. Deterding, Kenneth B. Tomer, and Michael Przybylski (2009) Elucidation of O-Glycosylation Structures of the beta-Amyloid Precursor Protein by Liquid Chromatography-Mass Spectrometry Using Electron Transfer Dissociation and Collision Induced Dissociation. *J. Proteome Res.*, 2009, 8 (2), 631–642.

Seiichi Kato, Shinji Ohgimoto, Luna Bhatta Sharma, Sekiko Kurazono, Minoru Ayata, Katsuhiko Komase, Makoto Takeda, Kaoru Takeuchi, Toshiaki Ihara, Hisashi Ogura (2009) Reduced ability of hemagglutinin of the CAM-70 measles virus vaccine strain to use receptors CD46 and SLAM. *Vaccine*, Vol. 27(29), 12 June 2009, 3838-3848.

Chaogu Zheng, Yijun Qiu, Qiqun Zeng, Ying Zhang, Di Lu, Dongling Yang, Jing Feng, Xiyun Yan (2009) Endothelial CD146 is required for in vitro tumor-induced angiogenesis: The role of a disulfide bond in signaling and dimerization. *The International Journal of Biochemistry & Cell Biology*, Vol. 41(11), Nov 2009, 2163-2172.

Baerbel Rohrer, Qin Long, Beth Coughlin, R. Brooks Wilson, Yuxiang Huang, Fei Qiao, Peter H. Tang, Kannan Kunchithapautham, Gary S. Gilkeson, and Stephen Tomlinson (2009) A Targeted Inhibitor of the Alternative Complement Pathway Reduces Angiogenesis in a Mouse Model of Age-Related Macular Degeneration. *Invest. Ophthalmol. Vis. Sci.*, Jul 2009; 50: 3056-3064.

Tuomas J. Heiskanen, Sara A. Illman, Jouko Lohi, Jorma Keski-Oja (2009) Epilysin (MMP-28) is deposited to the basolateral extracellular matrix of epithelial cells. *Matrix Biol.* 2009 Mar;28(2):74-83.

Akiko Maekawa, Barbara Balestrieri, K. Frank Austen, and Yoshihide Kanaoka (2009) GPR17 is a negative regulator of the cysteinyl leukotriene 1 receptor response to leukotriene D4. *PNAS*, Jul 2009; 106: 11685 - 11690.

Dirk J. Lefeber et al. (2009) Deficiency of Dol-P-Man Synthase Subunit DPM3 Bridges the Congenital Disorders of Glycosylation with the Dystroglycanopathies. *Am J Hum Genet.* 2009 Jul;85(1):76-86.

Julien A. Sebag and Patricia M. Hinkle (2009) Opposite Effects of the Melanocortin-2 (MC2) Receptor Accessory Protein MRAP on MC2 and MC5 Receptor Dimerization and Trafficking. *J. Biol. Chem.*, Aug 2009; 284: 22641-22648.

Ligong Chen, Gregory D Salinas, and Xiaohua Li (2009) Regulation of Serotonin 1B Receptor by Glycogen Synthase Kinase-3. *Mol Pharmacol.* 2009 Dec;76(6):1150-61.

Aymeric Leray, Franck B. Riquet, Elodie Richard, Corentin Spriet, Dave Trinel, and Laurent Heliot (2009) Optimized Protocol of a Frequency Domain Fluorescence Lifetime Imaging Microscope for FRET Measurements. *MICROSCOPY RESEARCH AND TECHNIQUE* 72:371-379 (2009).

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David O. McDonald and Simon H. S. Pearce (2009) Thyroid peroxidase forms thionamide-sensitive homodimers: relevance for immunomodulation of thyroid autoimmunity. *J Mol Med* (2009) 87:971–980.

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Yonathan Lissanu Deribe et al. (2009) Regulation of Epidermal Growth Factor Receptor Trafficking by Lysine Deacetylase HDAC6. *Sci. Signal.*, 22 Dec 2009, Vol. 2, Issue 102, p. ra84.

Chun-Rong Chen, Sandra M. McLachlan, and Basil Rapoport (2010) Thyrotropin (TSH) Receptor Residue E251 in

the Extracellular Leucine-Rich Repeat Domain Is Critical for Linking TSH Binding to Receptor Activation. *Endocrinology*, Feb 2010; 10.1210/en.2009-1430.

<b>CHO pgsB-618</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2241™
Source	ovary; galactosyltransferase I deficient
Morphology	epithelial
Species	hamster, Chinese
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Narendra Ram, Sonia Aroui, Emilie Jaumain, Hicham Bichraoui, Rémy Sadoul, Kamel Mabrouk, Michel Ronjat, Hughes Lortat-Jacob, and Michel De Waard (2008) Direct peptide interaction with surface glycosaminoglycans contribute to the cell penetration of maurocalcine. <i>J. Biol. Chem.</i>, Aug 2008; 283: 24274-24284.</p>	

<b>CHO-DG44</b>	
ATCCno. Or ECACCno.	Garbutt et al, <i>J. Virol.</i> 1999 73: 3524-3533
Source	ovary
Morphology	epithelial
Species	hamster, Chinese
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Personal communication</p>	

<b>CHO-EPCR</b>	
ATCCno. Or ECACCno.	
Source	ovary
Morphology	
Species	hamster, Chinese
Growth Properties	
References	
Results Summary	good: 1
<p>Ramesh C. Nayak, Prosenjit Sen, Samit Ghosh, Ramakrishnan Gopalakrishnan, Charles T. Esmon, Usha R. Pendurthi and L. Vijaya Mohan Rao (2009) Endothelial cell protein C receptor cellular localization and trafficking. <i>Blood</i>, 2009 Aug 27;114(9):1974-86.</p>	

<b>CHO-K1</b>	
ATCCno. Or ECACCno.	ATCC® CRL-9618™ (same as CCL-61)
Source	ovary
Morphology	epithelial
Species	hamster, chinese
Growth Properties	adherent



References	
Results Summary	good: 13
See also <a href="#">Cell-type specific protocols and data</a>	
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McBride BF, Yang T, Roden DM (2009) Influence of the G2677T/C3435T haplotype of MDR1 on P-glycoprotein trafficking and ibutilide-induced block of HERG. The Pharmacogenomics Journal, 2009 Jun;9(3):194-201.	
Kiemer, Alexandra K.; Senaratne, Ryan H.; Hoppstädter, Jessica; Diesel, Britta; Riley, Lee W.; Tabeta, Koichi; Bauer, Stefan; Beutler, Bruce; Zuraw, Bruce L. (2009) Attenuated Activation of Macrophage TLR9 by DNA from Virulent Mycobacteria. J Innate Immun 2009;1:29-45. DOI: 10.1159/000142731	
Gonzalez-Cabrera PJ, Jo E, Sanna MG, Brown S, Leaf N, Marsolais D, Schaeffer MT, Chapman J, Cameron M, Guerrero M, Roberts E, Rosen H (2008) Full Pharmacological Efficacy of a Novel S1P1 Agonist That Does Not Require S1P-Like Headgroup Interactions. J Mol. Pharmacol., Nov 2008; 74: 1308 - 1318	

CHO-K1A5	
ATCCno. Or ECACCno.	
Source	ovary
Morphology	
Species	hamster, chinese
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

CHO-K1SV	
ATCCno. Or ECACCno.	
Source	suspension variant of CHO-K1, developed as high-productivity cell line
Morphology	
Species	hamster, Chinese
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>CHO-S</b>	
ATCCno. Or ECACCno.	D'Anna, J.A. (1996) <i>Methods in Cell Science</i> 18, 115.
Source	ovary
Morphology	epithelial
Species	hamster, Chinese
Growth Properties	adherent
References	
Results Summary	good: 1 neutral: 2
See also <a href="#">Cell-type specific protocols and data</a>	

<b>CHO/G16</b>	
ATCCno. Or ECACCno.	
Source	ovary; CHO cells stably expressing G16 (the human G protein G16)
Morphology	
Species	hamster, Chinese
Growth Properties	
References	
Results Summary	good: 1
<p>Elisabeth Stafflinger, Karina K. Hansen, Frank Hauser, Martina Schneider, Giuseppe Cazzamali, Michael Williamson, and Cornelis J. P. Grimmlikhuijzen (2008) Cloning and identification of an oxytocin/vasopressin-like receptor and its ligand from insects. <i>PNAS</i>, Mar 2008; 105: 3262 - 3267</p>	

<b>CHSE-214</b>	
ATCCno. Or ECACCno.	
Source	embryo
Morphology	
Species	Chinook salmon ( <i>Oncorhynchus tshawytscha</i> )
Growth Properties	
References	
Results Summary	good: 2
<p>Silje Lauksund, Tina Svingerud, Veronica Bergan, Borre Robertsen (2009) Atlantic salmon IPS-1 mediates induction of IFN<math>\alpha</math>1 and activation of NF-<math>\kappa</math>B and localizes to mitochondria. <i>Developmental and Comparative Immunology</i> 33 (2009) 1196-1204.</p> <p>Clemens Furnes, Øyvind Kileng, Christine Hanssen Rinaldo, Marit Seppola, Ingvill Jensen, Børre Robertsen (2009) Atlantic cod (<i>Gadus morhua</i> L.) possesses three homologues of ISG15 with different expression kinetics and conjugation properties. <i>Developmental and Comparative Immunology</i>, 2009, 33, 1239-1246.</p>	

<b>CNE-2Z</b>	
ATCCno. Or ECACCno.	
Source	nasopharyngeal carcinoma
Morphology	

Species	human
Growth Properties	
References	
Results Summary	good: 3
<p>Lin A, Wang S, Nguyen T, Shire K, and Frappier L (2008) The EBNA1 Protein of Epstein-Barr Virus Functionally Interacts with Brd4. <i>J. Virol.</i>, Dec 2008; 82: 12009 - 12019</p>	
<p>Shan Wang and Lori Frappier (2009) Nucleosome Assembly Proteins Bind to Epstein-Barr Virus Nuclear Antigen 1 and Affect Its Functions in DNA Replication and Transcriptional Activation. <i>J. Virol.</i>, Nov 2009; 83: 11704-11714.</p>	
<p>Vipra Kapur Nayyar, Kathy Shire and Lori Frappier (2009) Mitotic chromosome interactions of Epstein-Barr nuclear antigen 1 (EBNA1) and human EBNA1-bindingprotein 2 (EBP2). <i>Journal of Cell Science</i>, 2009, 122, 4341-4350.</p>	

<b>COS</b>	
ATCCno. Or ECACCno.	
Source	kidney; SV40 transformed
Morphology	fibroblast
Species	monkey, African green
Growth Properties	adherent
References	
Results Summary	good: 5
Personal communication	

<b>COS-1</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1650™
Source	kidney; SV40 transformed
Morphology	fibroblast
Species	monkey, African green
Growth Properties	adherent
References	
Results Summary	good: 12 neutral: 1
<p>Shannon M. Lauberth, Amy C. Bilyeu, Beth A. Firulli, Kristen L. Kroll, and Michael Rauchman (2007) A phosphomimetic mutation in the sall1 repression motif disrupts recruitment of the nucleosome remodeling and deacetylase complex and repression of Gbx2. <i>J. Biol. Chem.</i>, Sep 2007; 10.1074/jbc.M703702200.</p>	
<p>Tomita T, Kido T, Kurotani R, Iemura S, Sterneck E, Natsume T, Vinson C, and Kimura S (2008) CAATT/Enhancer-binding Proteins and Interact with NKX2-1 to Synergistically Activate Mouse Secretoglobin 3A2 Gene Expression. <i>J. Biol. Chem.</i>, Sep 2008; 283: 25617 - 25627</p>	
<p>Thuault S, Tan EJ, Peinado H, Cano A, Heldin CH, and Moustakas A (2008) HMGA2 and Smads Co-regulate SNAIL1 Expression during Induction of Epithelial-to-Mesenchymal Transition. <i>J. Biol. Chem.</i>, Nov 2008; 283: 33437 - 33446</p>	
Hyung-Bok Jeong, Ji-Gweon Park, Young-Ju Park, Akihiro Takemura, Sung-Pyo Hur, Young-Don Lee, Se-Jae Kim	

(2009) Isolation and characterization of DMRT1 and its putative regulatory region in the protogynous wrasse, *Haemulon tenuis*. *Gene*, 2009 Jun1; 438(1-2):8-16.

Kexin Xu et al. (2009) Regulation of Androgen Receptor Transcriptional Activity and Specificity by RNF6-Induced Ubiquitination. *Cancer Cell* 15, 270-282, April 2009.

Kaori Tsutsumi, Yoichiro Fujioka, Masumi Tsuda, Hideaki Kawaguchi, Yusuke Ohba (2009) Visualization of Ras-PI3K interaction in the endosome using BiFC. *Cellular Signalling* 21 (2009) 1672-1679.

Julia Birk, Michael A. Friberg, Cristina Prescianotto-Baschong, Martin Spiess, and Jonas Rutishauser (2009) Dominant pro-vasopressin mutants that cause diabetes insipidus form disulfide-linked fibrillar aggregates in the endoplasmic reticulum. *Journal of Cell Science*, 2009, 122, 3994-4002.

Tao Chen, Leslie M. Tompkins, Linhao Li, Haishan Li, Gregory Kim, Yuxin Zheng, and Hongbing Wang (2010) A Single Amino Acid Controls the Functional Switch of Human Constitutive Androstane Receptor (CAR) 1 to the Xenobiotic-Sensitive Splicing Variant CAR3. *J. Pharmacol. Exp. Ther.*, Jan 2010; 332: 106-115.

### COS-7

ATCCno. Or ECACCno.	ATCC® CRL-1651™
Source	kidney; SV40 transformed
Morphology	fibroblast
Species	monkey, African green
Growth Properties	adherent

### References

Results Summary	good: 70 neutral: 2 bad: 1
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Chie Inomoto, Shinobu Umemura, Noboru Egashira, Takeo Minematsu, Susumu Takekoshi, Yoshiko Itoh, Johbu Itoh, Laurent Taupenot, Daniel T. O'Connor, and R. Yoshiyuki Osamura (2007) Granulogenesis in Non-neuroendocrine COS-7 Cell Induced by EGFP-tagged Chromogranin A Gene Transfection: Identical and Distinct Distribution of CgA and EGFP. *J. Histochem. Cytochem.*, Jan 2007.

WuQiang Fan, Toshihiko Yanase, Hidetaka Morinaga, Taijiro Okabe, Masatoshi Nomura, Hiroaki Daitoku, Akiyoshi Fukamizu, Shigeaki Kato, Ryoichi Takayanagi, and Hajime Nawata (2007) IGF1/insulin signaling activates androgen signaling through direct interactions of FOXO1 with androgen receptor. *J. Biol. Chem.*, Mar 2007; 282: 7329 – 7338.

See also [Cell-type specific protocols and data](#)

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Haihua Song, Jun-ichi Suehiro, Yasuharu Kanki, Yoshiko Kawai, Kenji Inoue, Hiroyuki Daida, Kiichiro Yano, Toshio Ohhashi, Peter Oettgen, William C. Aird, Tatsuhiko Kodama, and Takashi Minami (2009) Critical Role for GATA3 in Mediating Tie2 Expression and Function in Large Vessel Endothelial Cells. *The Journal of Biological Chemistry*, Oct 2009, Vol.284, No. 42, 29109-29124.

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<b>CT26.WT</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2638™
Source	colon carcinoma of strain BALB/c
Morphology	fibroblast
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 1
<p>N Goldin, L Arzoine, A Heyfets, A Israelson, Z Zaslavsky, T Bravman, V Bronner, A Notcovich, V Shoshan-Barmatz and E Flescher (2009) Methyl jasmonate binds to and detaches mitochondria-bound hexokinase. <i>Oncogene</i> (2008) 27, 4636-4643; doi:10.1038/onc.2008.108;</p>	

<b>CV-1</b>	
ATCCno. Or ECACCno.	ATCC® CCL-70™
Source	normal; kidney
Morphology	fibroblast
Species	monkey, African green
Growth Properties	adherent
References	
Results Summary	good: 6
<p>Michiyasu Ishizawa, Manabu Matsunawa, Ryutaro Adachi, Shigeyuki Uno, Kazumasa Ikeda, Hiroyuki Masuno, Masato Shimizu, Ken-ichi Iwasaki, Sachiko Yamada, and Makoto Makishima (2008) Lithocholic acid derivatives act as selective vitamin D receptor modulators without inducing hypercalcemia. <i>J. Lipid Res.</i>, Apr 2008; 49: 763 - 772; <i>J. Lipid Res.</i>, Jan 2008; 10.1194/jlr.M700293-JLR200</p>	
<p>Kaori Nagao, Yoshiaki Taniyama, Thomas Kietzmann, Takeshi Doi, Issei Komuro, and Ryuichi Morishita (2008) HIF-1 signaling upstream of Nkx2.5 is required for cardiac development in xenopus. <i>J. Biol. Chem.</i>, Apr 2008; 283: 11841- 11849.</p>	
<p>Nofsinger RR, Li P, Hong SH, Jonker JW, Barish GD, Ying H, Cheng S, LeBlanc M, Xu W, Pei L, Kang YJ, Nelson M, Downes M, Yu RT, Olefsky JM, Lee CH, and Evans RM (2008) SMRT repression of nuclear receptors controls the adipogenic set point and metabolic homeostasis. <i>PNAS</i>, Dec 2008; 105: 20021 - 20026</p>	
<p>W. Suhara, H. Koide, T. Okuzawa, D. Hayashi , T. Hashimoto, and H. Kojo (2009) Cow's milk increases the activities of human nuclear receptors peroxisome proliferator-activated receptors alpha and delta and retinoid X receptor alpha involved in the regulation of energy homeostasis, obesity, and inflammation. <i>J. Dairy Sci.</i> 92 :4180-4187.</p>	
<p>Konstantinos Anastassiadis et al. (2009) Dre recombinase, like Cre, is a highly efficient site-specific recombinase in <i>E. coli</i>, mammalian cells and mice. <i>Dis Model Mech.</i> 2009 Sep-Oct;2(9-10):508-15.</p>	

<b>CV1-5B</b>	
ATCCno. Or ECACCno.	
Source	kidney
Morphology	
Species	african green monkey
Growth Properties	
References	
Results Summary	good: 1
<p>Personal communication</p>	

<b>CWR-R1</b>	
ATCCno. Or ECACCno.	
Source	prostate cancer
Morphology	
Species	human
Growth Properties	
References	



Results Summary	good: 1
<p>Kexin Xu et al. (2009) Regulation of Androgen Receptor Transcriptional Activity and Specificity by RNF6-Induced Ubiquitination. <i>Cancer Cell</i> 15, 270-282, April 2009.</p>	

<b>CWR22Rv1</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2505™
Source	prostate, carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Naoto Miyajima, Satoru Maruyama, Miyuki Bohgaki, Satoshi Kano, Masahiko Shigemura, Nobuo Shinohara, Katsuya Nonomura, and Shigetsugu Hatakeyama (2008) TRIM68 Regulates Ligand-Dependent Transcription of Androgen Receptor in Prostate Cancer Cells. <i>Cancer Res.</i>, May 2008; 68: 3486 - 3494</p>	

<b>D283 Med</b>	
ATCCno. Or ECACCno.	ATCC® HTB-185™
Source	brain; cerebellum, medulloblastoma
Morphology	epithelial
Species	human
Growth Properties	suspension, multicell aggregates and some adherent cells
References	
Results Summary	good: 1
<p>Dominique Boivin, David Labbe, Nicolas Fontaine, Sylvie Lamy, Edith Beaulieu, Denis Gingras, and Richard Beliveau (2009) The Stem Cell Marker CD133 (Prominin-1) is Phosphorylated on Cytoplasmic Tyrosine-828 and Tyrosine-852 by Src and Fyn Tyrosine Kinases. <i>Biochemistry</i>, 2009 May 12; 48(18):3998-4007.</p>	

<b>Daoy</b>	
ATCCno. Or ECACCno.	ATCC® HTB-186™
Source	medulloblastoma
Morphology	polygonal
Species	human
Growth Properties	adherent
References	
Results Summary	good: 3
<p>Praveen Bhoopathi, Chandramu Chetty, Sateesh Kunigal, Sravan Vanamala, Jasti S. Rao, and Sajani S. Lakka (2007) Blockade of tumor growth due to MMP-9 inhibition is mediated by sequential activation of 1 integrin, ERK and NFB. <i>J. Biol. Chem.</i>, Nov 2007; 10.1074/jbc.M707931200.</p>	
<p>Dominique Boivin, David Labbe, Nicolas Fontaine, Sylvie Lamy, Edith Beaulieu, Denis Gingras, and Richard Beliveau (2009) The Stem Cell Marker CD133 (Prominin-1) is Phosphorylated on Cytoplasmic Tyrosine-828 and Tyrosine-</p>	

852 by Src and Fyn Tyrosine Kinases. *Biochemistry*, 2009 May 12; 48(18):3998-4007.

Benjamin Kefas et al. (2009) The Neuronal MicroRNA miR-326 Acts in a Feedback Loop with Notch and Has Therapeutic Potential against Brain Tumors. *J. Neurosci.*, Dec 2009; 29: 15161-15168.

<b>Dental follicle cells, human, HDFC</b>	
ATCCno. Or ECACCno.	Progenitor cells to mesenchymal stem cell-like cells
Source	dental follicle cells derived from impacted third molars
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Mehmet E. Yalvac, Mustafa Ramazanoglu, Osman Z. Gumru, Fikrettin Sahin, Andras Palotas, Albert A. Rizvanov (2009) Comparison and Optimisation of Transfection of Human Dental Follicle Cells, a Novel Source of Stem Cells, with Different Chemical Methods and Electroporation. <i>Neurochem Res</i> (2009) 34:1272-1277.</p>	

<b>DF-1</b>	
ATCCno. Or ECACCno.	ATCC® CRL-12203™
Source	embryo; fibroblast; spontaneously transformed
Morphology	fibroblast
Species	chicken
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Ellen Bellon, Frank P. Luyten, and Przemko Tylzanowski (2009) delta-EF1 is a negative regulator of Ihh in the developing growth plate. <i>J. Cell Biol.</i>, Nov 2009; 187: 685-699.</p>	

<b>DLD-1</b>	
ATCCno. Or ECACCno.	ATCC® CCL-221™
Source	colorectal adenocarcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Kei Sakamoto, Shin Maeda, Yohko Hikiba, Hayato Nakagawa, Yoku Hayakawa, Wataru Shibata, Ayako Yanai, Keiji Ogura, and Masao Omata (2009) Constitutive NF-kappaB Activation in Colorectal Carcinoma Plays a Key Role in Angiogenesis, Promoting Tumor Growth. <i>Clin Cancer Res.</i> 2009 Apr 1;15(7):2248-2258.</p>	

<b>DMS 53</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2062™
Source	lung carcinoma; small cell lung cancer

Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
See also <a href="#">Cell-type specific protocols and data</a>	

<b>Drosophila, SII-neuroblasts</b>	
ATCCno. Or ECACCno.	
Source	whole embryo; SII-neuroblasts
Morphology	
Species	Drosophila melanogaster
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>DT40</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2111™
Source	lymphoma; bursa
Morphology	lymphoblast
Species	chicken
Growth Properties	suspension
References	
Results Summary	good: 1
Hrdlickova R, Nehyba J, Bose HR Jr (2009) Regulation of Telomerase Activity by Interferon Regulatory Factors 4 and 8 in Immune Cells. Mol Cell Biol. 2009 Feb;29(3):929-41	

<b>DU 145</b>	
ATCCno. Or ECACCno.	ATCC® HTB-81™
Source	Prostate, carcinoma; metastatic site: brain
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 4 neutral: 1
Phillip J. Gray, Jr., Mary Ann Stevenson, and Stuart K. Calderwood (2007) Targeting Cdc37 Inhibits Multiple Signaling Pathways and Induces Growth Arrest in Prostate Cancer Cells. Cancer Res., Dec 2007; 67: 11942 - 11950	
S Kaulfuß, S von Hardenberg, S Schweyer, AM Herr, F Laccone, S Wolf and P Burfeind (2009) Leupaxin acts as a mediator in prostate carcinoma progression through deregulation of p120catenin expression. Oncogene, 2009 Nov	

12;28(45):3971-82.

<b>E10</b>	
ATCCno. Or ECACCno. Source	Peebles et al., Carcinogenesis, Vol. 24, No. 4, 651-657, April 2003 an immortalized but non-tumorigenic cell line derived from alveolar type II pneumocytes
Morphology	
Species	mouse
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>EA.hy926</b>	
ATCCno. Or ECACCno. Source	Ahn et al, Life Sci (1995) 56:2331-41 umbilical vein
Morphology	endothelial
Species	human
Growth Properties	
References	
Results Summary	good: 1
Cheng F, Weidner-Glunde M, Varjosalo M, Rainio EM, Lehtonen A, Schulz TF, Koskinen PJ, Taipale J, Ojala PM (2009) KSHV reactivation from latency requires Pim-1 and Pim-3 kinases to inactivate the latency-associated nuclear antigen LANA. PLoS Pathog 5(3): e1000324. doi:10.1371/journal.ppat.1000324	

<b>EL4</b>	
ATCCno. Or ECACCno. Source	ATCC® TIB-39™ lymphoma; T lymphocyte
Morphology	lymphoblast
Species	mouse
Growth Properties	suspension
References	
Results Summary	neutral: 2
Personal communication	

<b>Endometrial cells</b>	
ATCCno. Or ECACCno. Source	uterine lining
Morphology	
Species	human
Growth Properties	
References	

Results Summary	good: 1
<p>Elena Trukhacheva, Zhihong Lin, Scott Reierstad, You-Hong Cheng, Magdy Milad, and Serdar E. Bulun (2009) Estrogen Receptor (ER) beta Regulates ERalpha Expression in Stromal Cells Derived from Ovarian Endometriosis. <i>J. Clin. Endocrinol. Metab.</i>, Feb 2009; 94: 615-622.</p>	

<b>Endometriotic stromal cells</b>	
ATCCno. Or ECACCno.	
Source	endometriotic tissues
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Elena Trukhacheva, Zhihong Lin, Scott Reierstad, You-Hong Cheng, Magdy Milad, and Serdar E. Bulun (2009) Estrogen Receptor (ER) beta Regulates ERalpha Expression in Stromal Cells Derived from Ovarian Endometriosis. <i>J. Clin. Endocrinol. Metab.</i>, Feb 2009; 94: 615-622.</p>	

<b>Endothelial cells, dermal, HDMVEC</b>	
ATCCno. Or ECACCno.	
Source	dermal microvascular cells
Morphology	endothelial
Species	human
Growth Properties	
References	
Results Summary	neutral: 1
<p>Personal communication</p>	

<b>EPC</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2872™
Source	skin, epithelial [Epithelioma Papulosum Cyprini]
Morphology	epithelial
Species	Fathead minnow ( <i>Pimephales promelas</i> )
Growth Properties	adherent
References	
Results Summary	good: 1
<p>A. Falco, P. Encinas, S. Carbajosa, A. Cuesta, E. Chaves-Pozc, C. Tafalla, A. Estepa and J.M. Coll (2009) Transfection improvements of fish cell lines by using deacylated polyethylenimine of selected molecular weights. <i>Fish &amp; Shellfish Immunology</i>; March 2009, Vol. 26, No. 3, 559-566.</p>	

<b>Epithelial cells, venom gland, Bothrops</b>	
ATCCno. Or ECACCno.	
Source	venom gland epithelium

Morphology	
Species	Bothrops jararaca
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>FaDu</b>	
ATCCno. Or ECACCno.	ATCC® HTB-43™
Source	squamous cell carcinoma; pharynx
Morphology	epithelial
Species	human
Growth Properties	monolayer
References	
Results Summary	good: 1
Personal communication	

<b>GES-1</b>	
ATCCno. Or ECACCno.	
Source	gastric epithelial mucosa cells, immortalized
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Dapeng Zhao, Zhifang Liu, Jian Ding, Wenjuan Li, Yundong Sun, Han Yu, Yabin Zhou, Jiping Zeng, Chunyan Chen, and Jihui Jia (2010) Helicobacter pylori CagA upregulation of CIP2A is dependent on the Src and MEK/ERK pathways. J. Med. Microbiol., Mar 2010; 59: 259-265.</p>	

<b>Gh3</b>	
ATCCno. Or ECACCno.	ATCC® CCL-82.1™
Source	tumor; pituitary
Morphology	epithelial
Species	rat
Growth Properties	loosely adherent with floating clusters
References	
Results Summary	good: 1
<p>Iwan Jones, Lily Ng, Hong Liu, Douglas Forrest (2007) An intron control region differentially regulates expression of thyroid hormone receptor <math>\beta</math>2 in the cochlea, pituitary and cone photoreceptors. Molecular Endocrinology. First published ahead of print March 6, 2007 as doi:10.1210/me.2007-0037.</p>	

<b>Gh4C1</b>	
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ATCCno. Or ECACCno.	ATCC® CCL-82.2™
Source	tumor; pituitary
Morphology	epithelial
Species	rat
Growth Properties	loosely adherent with floating clusters
<b>References</b>	
Results Summary	good: 1 bad: 1
<p>H.K. Lee, L. Gwalani, V. Mishra, P. Anandjiwala, F. Sala, S. Sala, J.J. Ballesta, D. O'Malley, M. Criado, R.H. Loring (2009) Investigating the role of protein folding and assembly in cell-type dependent expression of alpha7 nicotinic receptors using a green fluorescent protein chimera. <i>Brain Research</i>, Vol. 1259, 9 March 2009, 7-16.</p>	

<b>Glioblastoma cells (GBM)</b>	
ATCCno. Or ECACCno.	
Source	brain, glioblastoma multiforme
Morphology	
Species	human
Growth Properties	
<b>References</b>	
Results Summary	good: 1
<p>Hu Zhu, Xinyu Cao, Francis Ali-Osman, Stephen Keir, Hui-Wen Lo (2010) EGFR and EGFRvIII interact with PUMA to inhibit mitochondrial translocation of PUMA and PUMA-mediated apoptosis independent of EGFR kinase activity. <i>Cancer Letters</i>, In Press;</p>	

<b>Glioma cells</b>	
ATCCno. Or ECACCno.	
Source	glioma
Morphology	
Species	human
Growth Properties	
<b>References</b>	
Results Summary	good: 1
<p>Tatsunori Okamura, Simendra Singh, John Buolamwini, Timothy Haystead, Henry Friedman, Darell Bigner, and Francis Ali-Osman (2009) Tyrosine phosphorylation of the human glutathione S-transferase p1 by epidermal growth factor receptor. <i>J. Biol. Chem</i>, 10.1074/jbc.M808153200</p>	

<b>GLUtag</b>	
ATCCno. Or ECACCno.	stable immortalized murine enteroendocrine cells that express the glucagon gene
Source	glucagon-producing enteroendocrine cell tumor growing in glucagon gene-SV40 T antigen transgenic mice
Morphology	
Species	mouse
Growth Properties	

References	
Results Summary	good: 1
<p>Heather Bara and Athanassios Sambanis (2009) Insulin-secreting L-cells for the Treatment of Insulin Dependent Diabetes. <i>Biochem Biophys Res Commun.</i> 2008 June 20; 371(1): 39-43.</p>	

<b>GP2-293</b>	
ATCCno. Or ECACCno.	packaging cell line for virus production
Source	kidney; derivative of HEK-293
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Lyssiotis CA, Foreman RK, Staerk J, Garcia M, Mathur D, Markoulaki S, Hanna J, Lairson LL, Charette BD, Bouchez LC, Bollong M, Kunick C, Brinker A, Cho CY, Schultz PG, Jaenisch R (2009) Reprogramming of murine fibroblasts to induced pluripotent stem cells with chemical complementation of Klf4. <i>PNAS</i>, June 2009, Vol. 106, No. 22, 8912-8917 see Supporting Information.</p> <p>Yongqiang Wang, Denise D. Belsham and Michael Glogauer (2009) Rac1 and Rac2 in Osteoclastogenesis: A Cell Immortalization Model. <i>Calcif Tissue Int.</i> 2009 Sep;85(3):257-66.</p>	

<b>GP8</b>	
ATCCno. Or ECACCno.	
Source	brain endothelial cells, immortalized
Morphology	
Species	rat
Growth Properties	
References	
Results Summary	good: 1
<p>Personal communication</p>	

<b>Granta 519</b>	
ATCCno. Or ECACCno.	DSMZ No: ACC 342; Reference: <i>Leukemia</i> . 1997 Jan;11(1):64-72
Source	peripheral blood; B cell lymphoma
Morphology	
Species	human
Growth Properties	suspension
References	
Results Summary	neutral: 1
<p>Personal communication</p>	

<b>GT1-7</b>	
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ATCCno. Or ECACCno.	
Source	Immortalized Gonadotropin-Releasing Hormone Neurons from anterior hypothalamus
Morphology	
Species	mouse
Growth Properties	
<b>References</b>	
Results Summary	good: 2
<p>Altarejos JY, Goebel N, Conkright MD, Inoue H, Xie J, Arias CM, Sawchenko PE, Montminy M (2008) The Creb1 co-activator Crtc1 is required for energy balance and fertility. <i>Nat Med.</i> 2008 Oct;14(10):1112-7.</p> <p>Shaohui Hu et al. (2009) Profiling the Human Protein-DNA Interactome Reveals ERK2 as a Transcriptional Repressor of Interferon Signaling. <i>Cell</i>, Volume 139, Issue 3, 30 October 2009, 610-622.</p>	

<b>H4</b>	
ATCCno. Or ECACCno.	ATCC® HTB-148™
Source	neuroglioma; brain
Morphology	epithelial
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 2
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	

<b>H4IIE</b>	
ATCCno. Or ECACCno.	
Source	hepatoma
Morphology	
Species	rat
Growth Properties	
<b>References</b>	
Results Summary	good: 3
<p>Georgios C. Stefanos, Walter Becker, Antonis D. Lampidonis, Emmanuel Rogdakis (2009) Cloning and functional characterization of the ovine malic enzyme promoter. <i>Gene</i>, Vol. 428(1-2), January 2009, 36-40.</p> <p>Yvonne Fery, Inga Buschauer, Christian Salzig, Patrick Lang, Dieter Schrenk (2009) Technical pentabromodiphenyl ether and hexabromocyclododecane as activators of the pregnane-X-receptor (PXR). <i>Toxicology</i>, 2009 Oct 1;264(1-2):45-51.</p> <p>Stefan O. Mueller, Yvonne Fery, Gregor Tuschl, Dieter Schrenk (2010) Species-specific activation of nuclear receptors correlates with the response of liver drug metabolizing enzymes to EMD 392949 in vitro. <i>Toxicology Letters</i>, March 2010, Vol. 193(1),120-123.</p>	

<b>H9</b>
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ATCCno. Or ECACCno.	ATCC® HTB-176™
Source	lymphoma; cutaneous T lymphocyte
Morphology	lymphoblast
Species	human
Growth Properties	suspension
<b>References</b>	
Results Summary	good: 1
<p>Zhong-Wei Du, Bao-Yang Hu, Melvin Ayala, Brian Sauer, and Su-Chun Zhang (2009) Cre Recombination-Mediated Cassette Exchange for Building Versatile Transgenic Human Embryonic Stem Cells Lines. <i>Stem Cells</i>, May 2009; 27: 1032 - 1041.</p>	

<b>H9c2(2-1)</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1446™
Source	heart; myocardium
Morphology	myoblast
Species	rat
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 3
<p>Hagit B. Suliman, Martha S. Carraway, Lynn G. Tatro, and Claude A. Piantadosi (2007) A new activating role for CO in cardiac mitochondrial biogenesis. <i>J. Cell Sci.</i>, Jan 2007; 120: 299 - 308.</p>	
<p>Piantadosi CA, Carraway MS, Babiker A and Suliman HB (2009) Heme Oxygenase-1 Regulates Cardiac Mitochondrial Biogenesis via Nrf2-Mediated Transcriptional Control of Nuclear Respiratory Factor-1. <i>Circ. Res.</i>, Nov 2008; 103: 1232 - 1240. DOI: 10.1161/01.RES.0000338597.71702</p>	

<b>HaCaT</b>	
ATCCno. Or ECACCno.	Cell line application published by Zawel, L. et al. (1998) <i>Molecular Cell</i> , 1, 611-617.
Source	epidermis
Morphology	keratinocyte
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 14 neutral: 1
<p>Ichikawa, T., Suenaga, Y., Koda, T., Ozaki, T., and Nakagawara, A. (2007) TAp63-dependent induction of growth differentiation factor 15 (GDF15) plays a critical role in the regulation of keratinocyte differentiation. <i>Oncogene</i> (2007), 1-12</p>	
<p>Yang CF, Hwu WL, Yang LC, Chung WH, Chien YH, Hung CF, Chen HC, Tsai PJ, Fann CS, Liao F, Chen YT (2008) A Promoter Sequence Variant of ZNF750 Is Linked with Familial Psoriasis. <i>Journal of Investigative Dermatology</i>, 2008 Jul;128(7):1662-8.</p>	
<p>Skoog, Tiina, Elomaa, Outi, Pasonen-Seppänen, Sanna M, Forsberg, Sofi, Ahokas, Katja, Jeskanen, Leila, Pärssinen,</p>	

Jenita, Tiala, Inkeri, Rollman, Ola, Lohi, Jouko, Saarialho-Kere, Ulpu (2008) Matrix Metalloproteinase-21 Expression Is Associated with Keratinocyte Differentiation and Upregulated by Retinoic Acid in HaCaT Cells. *J Invest Dermatol.* 2009 Jan;129(1):119-30.

Batut J, Schmierer B, Cao J, Raftery LA, Hill CS, and Howell M (2008) Two highly related regulatory subunits of PP2A exert opposite effects on TGF- $\beta$ /Activin/Nodal signalling. *Development*, Sep 2008; 135: 2927 - 2937

Skoog T, Elomaa O, Pasonen-Seppanen SM, Forsberg S, Ahokas K, Jeskanen L, Parssinen J, Tiala I, Rollman O, Lohi J, Saarialho-Kere U (2009) Matrix Metalloproteinase-21 Expression Is Associated with Keratinocyte Differentiation and Upregulated by Retinoic Acid in HaCaT Cells. *Journal of Investigative Dermatology*, 129, 119-130

Sari Suomela, Outi Elomaa, Tiina Skoog, Risto Ala-aho, Leila Jeskanen, Jenita Paerssinen, Leena Latonen, Reidar Grenman, Juha Kere, Veli-Matti Kaehaeri, Ulpu Saarialho-Kere (2009) CCHCR1 Is Up-Regulated in Skin Cancer and Associated with EGFR Expression. *PLoS One.* 2009 Jun 24;4(6):e6030.

Shintarou Kimura, Eiji Warabi, Toru Yanagawa, Dongmei Maa Ken Itoh, Yoshiyuki Ishii, Yasuhiro Kawachi, Tetsuro Ishii (2009) Essential role of Nrf2 in keratinocyte protection from UVA by quercetin. *Biochemical and Biophysical Research Communications* 387 (2009) 109-114.

Peter J. Malloy, Jining Wang, Kristin Jensen, and David Feldman (2009) Modulation of Vitamin D Receptor Activity by the Corepressor Hairless: Differential Effects of Hairless Isoforms. *Endocrinology*, November 2009, 150(11):4950-4957.

Shinichi Miyagawa, Anne Moon, Ryuma Haraguchi, Chie Inoue, Masayo Harada, Chiaki Nakahara, Kentaro Suzuki, Daisuke Matsumaru, Takehito Kaneko, Isao Matsuo, Lei Yang, Makoto M. Taketo, Taisen Iguchi, Sylvia M. Evans and Gen Yamada (2009) Dosage-dependent hedgehog signals integrated with Wnt/beta-catenin signaling regulate external genitalia formation as an appendicular program. *Development*, 2009, 136, 3969-3978.

Pekka T. Heikkinen, Marika Nummela, Suvi-Katri Leivonen, Jukka Westermarck, Caroline S. Hill, Veli-Matti Kähäri, and Panu M. Jaakkola (2010) Hypoxia-activated Smad3-specific Dephosphorylation by PP2A. *J. Biol. Chem.*, Feb 2010; 285: 3740-3749.

Terhi Jokilehto, Heidi Högel, Pekka Heikkinen, Krista Rantanen, Klaus Elenius, Jari Sundström, Panu M. Jaakkola (2010) Retention of prolyl hydroxylase PHD2 in the cytoplasm prevents PHD2-induced anchorage-independent carcinoma cell growth. *Experimental Cell Research*, In Press;

## HAE

ATCCno. Or ECACCno.

Source amniotic epithelial cells

Morphology

Species human

Growth Properties

### References

Results Summary good: 2

Xu, H., Ferro, T.J., and Chu, S. (2007) Cigarette smoke condensate inhibits ENaC alpha-subunit expression in lung epithelial cells. *Eur Respir J.* 2007 Oct;30(4):633-42.

Haishan Xu and Shijian Chu (2007) ENaC alpha-subunit variants are expressed in lung epithelial cells and are sup-

pressed by oxidative stress. *Am J Physiol Lung Cell Mol Physiol.* 2007 Dec;293(6):L1454-62.

<b>HCC1569</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2330™
Source	mammary gland; primary metaplastic carcinoma, TNM stage IV, grade 3
Morphology	epithelial
Species	human
Growth Properties	mixed adherent-suspension
References	
Results Summary	good: 1
<p>Shivapurkar N, Stastny V, Okumura N, Girard L, Xie Y, Prinsen C, Thunnissen FB, Wistuba II, Czerniak B, Frenkel E, Roth JA, Liloglou T, Xinarianos G, Field JK, Minna JD, Gazdar AF (2008) Cytoglobin, the Newest Member of the Globin Family, Functions as a Tumor Suppressor Gene. <i>Cancer Res.</i>, Sep 2008; 68: 7448 - 7456</p>	

<b>HCC1937</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2336™
Source	breast; mammary gland; primary ductal carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent; the line grows as large epithelial cells with a tendency to float at high cell densities
References	
Results Summary	good: 1
<p>Ser Sue Ng, Tokameh Mahmoudi, Esther Danenberg, Inés Bejaoui, Wim de Lau, Hendrik C. Korswagen, Mieke Schutte, and Hans Clevers (2009) Phosphatidylinositol 3-Kinase Signaling Does Not Activate the Wnt Cascade. <i>J. Biol. Chem.</i>, Dec 2009; 284: 35308-35313.</p>	

<b>HCEC</b>	
ATCCno. Or ECACCno.	
Source	colon; SV40 large T antigen-immortalized epithelial cells
Morphology	epithelial
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Personal communication</p>	

<b>HCT 116</b>	
ATCCno. Or ECACCno.	ATCC® CCL-247™
Source	carcinoma, colorectal; colon
Morphology	epithelial
Species	human

Growth Properties	monolayer or adherent
References	
Results Summary	good: 15 neutral: 1
<p>Takahiro Aoto, Noriko Saitoh, Yasuo Sakamoto, Sugiko Watanabe, and Mitsuyoshi Nakao (2008) Polycomb Group Protein-associated Chromatin Is Reproduced in Post-mitotic G1 Phase and Is Required for S Phase Progression. <i>J. Biol. Chem.</i>, Jul 2008; 283: 18905 - 18915</p>	
<p>Fehrenbacher N, Bastholm L, Kirkegaard-Sørensen T, Rafn B, Böttzauw T, Nielsen C, Weber E, Shirasawa S, Kallunki T, and Jäättelä M (2008) Sensitization to the Lysosomal Cell Death Pathway by Oncogene-Induced Down-regulation of Lysosome-Associated Membrane Proteins 1 and 2. <i>Cancer Res.</i>, Aug 2008; 68: 6623 - 6633</p>	
<p>Brocardo M, Lei Y, Tighe A, Taylor SS, Myth T. S. Mok MTS, and Henderson BR (2008) Mitochondrial Targeting of Adenomatous Polyposis Coli Protein Is Stimulated by Truncating Cancer Mutations. <i>J. Biol. Chem.</i>, Vol. 283, Issue 9, 5950-5959</p>	
<p>Hiroshi Tanaka, Yutaka Hoshikawa, Tomoko Oh-hara, Sumie Koike, Mikihiro Naito, Tetsuo Noda, Hiroyuki Arai, Takashi Tsuruo, and Naoya Fujita (2009) PRMT5, a Novel TRAIL Receptor-Binding Protein, Inhibits TRAIL-Induced Apoptosis via Nuclear Factor-kappaB Activation. <i>Mol Cancer Res</i> 2009; 7(4):557-69.</p>	
<p>Anne Schumacher et al. (2009) Human Chorionic Gonadotropin Attracts Regulatory T Cells into the Fetal-Maternal Interface during Early Human Pregnancy. <i>Journal of Immunology</i>, 2009, 182: 5488-5497.</p>	
<p>Georgios Patsos, Sabine Andre, Nina Roeckel, Roland Gromes, Johannes Gebert, Jürgen Kopitz and Hans-Joachim Gubius (2009) Compensation of loss of protein function in microsatellite-unstable colon cancer cells (HCT116): A gene-dependent effect on the cell surface glycan profile. <i>Glycobiology</i>, Jul 2009; 19: 726-734.</p>	
<p>Young Mee Kim, Eun Jung Lee, Soo-Yeon Park, Kwan Ho Cho, Joo Young Kim, and Hongryull Pyo (2009) Cyclooxygenase-2 Up-Regulates Ataxia Telangiectasia and Rad3 Related through Extracellular Signal-Regulated Kinase Activation. <i>Mol. Cancer Res.</i>, Jul 2009; 7: 1158-1168.</p>	
<p>K Ueno, S Hazama, S Mitomori, M Nishioka, Y Suehiro, H Hirata, M Oka, K Imai, R Dahiya and Y Hinoda (2009) Down-regulation of frizzled-7 expression decreases survival, invasion and metastatic capabilities of colon cancer cells. <i>British Journal of Cancer</i> (2009) 101, 1374-1381.</p>	
<p>Woo Hyung Lee, Young Woo Kim, Jae Hoon Choi, Samuel Carroll Brooks III, Mi-Ock Lee, and Sang Geon Kim (2009) Oltipraz and dithiolethione congeners inhibit hypoxia-inducible factor-1alpha activity through p70 ribosomal S6 kinase-1 inhibition and H2O2-scavenging effect. <i>Mol Cancer Ther</i> 2009;8(10), 2791-2802.</p>	
<p>Kyoko Takahashi, Yutaka Sugi, Akira Hosono, and Shuichi Kaminogawa (2009) Epigenetic Regulation of TLR4 Gene Expression in Intestinal Epithelial Cells for the Maintenance of Intestinal Homeostasis. <i>The Journal of Immunology</i>, 2009, 183, 6522-6529.</p>	
<p>Grégory Nolens, Jean-Christophe Pignon, Benjamin Koopmansch, Benaïssa Elmoualij, Willy Zorzi, Edwin De Pauw and Rosita Winkler (2009) Ku proteins interact with activator protein-2 transcription factors and contribute to ERBB2 overexpression in breast cancer cell lines. <i>Breast Cancer Res.</i> 2009;11(6):R83.</p>	

ATCCno. Or ECACCno.	
Source	macrophages
Morphology	
Species	chicken
Growth Properties	
References	
Results Summary	good: 2
Hrdlickova R, Nehyba J, Bose HR Jr (2009) Regulation of Telomerase Activity by Interferon Regulatory Factors 4 and 8 in Immune Cells. <i>Mol Cell Biol.</i> 2009 Feb;29(3):929-41	

<b>HEK-P2RX7</b>	
ATCCno. Or ECACCno.	
Source	embryonic kidney
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Gavala ML, Pfeiffer ZA, and Bertics PJ (2008) The nucleotide receptor P2RX7 mediates ATP-induced CREB activation in human and murine monocytic cells. <i>J. Leukoc. Biol.</i> , Oct 2008; 84: 1159 - 1171	

<b>HEL</b>	
ATCCno. Or ECACCno.	Wing et al, <i>J. Virol.</i> 1998 72: 1814-1825
Source	erythroleukemia
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Hidetaka Sadanari, Junji Tanaka, Zhuan Li, Rie Yamada, Keiko Matsubara, Tsugiyu Murayama (2009) Proteasome inhibitor differentially regulates expression of the major immediate early genes of human cytomegalovirus in human central nervous system-derived cell lines. <i>Virus Res.</i> , 2009 Jun; 142(1-2):68-77.	

<b>HeLa</b>	
ATCCno. Or ECACCno.	ATCC® CCL-2™
Source	adenocarcinoma; cervix
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 149 neutral: 4 bad: 4

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<b>HeLa 229</b>	
ATCCno. Or ECACCno.	ATCC® CCL-2.1™
Source	cervix, adenocarcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent (The line can be readily adapted to growth in suspension)
References	
Results Summary	good: 2
Diana Hippe, Arnim Weber, Liying Zhou, Donald C. Chang, Georg Häcker and Carsten G. K. Lüder (2009) Toxoplasma gondii infection confers resistance against BimS-induced apoptosis by preventing the activation and mitochondrial targeting of pro-apoptotic Bax. <i>J Cell Sci.</i> 2009 Oct 1;122(Pt 19):3511-21.	

<b>HeLa S3</b>	
ATCCno. Or ECACCno.	ATCC® CCL-2.2™
Source	cervix; adenocarcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	

Results Summary	good: 2
<p>Guogen Mao, Xiaoyu Pan, and Liya Gu (2008) Evidence That a Mutation in the MLH1 3'-Untranslated Region Confers a Mutator Phenotype and Mismatch Repair Deficiency in Patients with Relapsed Leukemia. <i>J. Biol. Chem.</i>, Feb 2008; 283: 3211 - 3216</p>	
<p>Sergey I. Nikolaev et al. (2009) Transcriptional and post-transcriptional profile of human chromosome 21. <i>Genome Res.</i>, Aug 2009; 19: 1471-1479.</p>	

<b>HeLa-HT1080</b>	
ATCCno. Or ECACCno.	HeLa hybrid cell line bearing the alphoidtetO synthetic HAC
Source	Fusion of HeLa to HAC-containing HT1080 cell line AB2.2.18.21 and selection of clone 1C7
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Stefano Cardinale, Jan H. Bergmann, David Kelly, Megumi Nakano, Manuel M. Valdivia, Hiroshi Kimura, Hiroshi Masumoto, Vladimir Larionov and William C. Earnshaw (2009) Hierarchical inactivation of a synthetic human kinetochore by a chromatin modifier. <i>Mol. Biol. Cell</i>, Oct 2009; 20: 4194-4204.</p>	

<b>Hep 3B2.1-7 [Hep 3B]</b>	
ATCCno. Or ECACCno.	ATCC® HB-8064™
Source	liver; hepatocellular carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 3
<p>Amrei Steinhoff, Friederike Katharina Pientka, Sylvia Möckel, Antje Kettelhake, Enno Hartmann, Matthias Köhler, Reinhard Depping (2009) Cellular oxygen sensing: Importins and exportins are mediators of intracellular localisation of prolyl-4-hydroxylases PHD1 and PHD2. <i>Biochemical and Biophysical Research Communications</i> 387 (2009) 705-711.</p>	
<p>Tianmin Zhang, Xiaodong Wang, Annie Shinn, Jingjun Jin, William K. Chan (2010) Beta tubulin affects the aryl hydrocarbon receptor function via an Arnt-mediated mechanism. <i>Biochemical Pharmacology</i>, April 2010, Vol. 79(8), 1125-1133.</p>	

<b>Hep G2</b>	
ATCCno. Or ECACCno.	ATCC® HB-8065™
Source	liver; hepatocellular carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent

References	
Results Summary	good: 41 neutral: 2
Fillion-Forté, Valérie and Mounier, Catherine (2007) Optimization of Transfection Efficiency in Chick Embryo Hepatocytes and HepG2 Cells. <a href="#">BIOCHEMICA, No. 1, 2007, p. 13-15.</a>	
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Thuault S, Tan EJ, Peinado H, Cano A, Heldin CH, and Moustakas A (2008) HMGA2 and Smads Co-regulate SNAIL1 Expression during Induction of Epithelial-to-Mesenchymal Transition. J. Biol. Chem., Nov 2008; 283: 33437 - 33446	
Deo Prakash Pandey and Didier Picard (2009) miR-22 inhibits estrogen signaling by directly targeting the estrogen re-	

ceptor alpha mRNA. *Mol. Cell. Biol.*, Jul 2009; 29: 3783-3790.

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<b>HEp-2</b>	
ATCCno. Or ECACCno.	ATCC® CCL-23™
Source	HeLa contaminant (the HeLa cells were a contamination in an originally hepatic cell line)
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 4
Weidtkamp-Peters S, Lenser T, Negorev D, Gerstner N, Hofmann TG, Schwanitz G, Hoischen C, Maul G, Dittrich P, and Hemmerich P (2008) Dynamics of component exchange at PML nuclear bodies. <i>J. Cell Sci.</i> , Aug 2008; 121: 2731 - 2743	
S. Orthaus, K. Klement, N. Happel, C. Hoischen and S. Diekmann (2009) Linker histone H1 is present in centromeric chromatin of living human cells next to inner kinetochore proteins. <i>Nucleic Acids Research</i> , doi:10.1093/nar/gkp199	

<b>Hepa 1-6</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1830™
Source	liver; hepatoma
Morphology	epithelial

Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Jaakko Mattila, Jukka Kallijärvi, and Oscar Puig (2008) RNAi screening for kinases and phosphatases identifies FoxO regulators. PNAS, 2008, Vol. 105, No. 39, 14873-14878.</p>	

<b>Hepatocytes, chick, CEH</b>	
ATCCno. Or ECACCno.	Goodridge et al., 1974, Vol. 249(5), 1269-1475.
Source	liver
Morphology	hepatocyte
Species	chicken
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Fillion-Forté, Valérie and Mounier, Catherine (2007) Optimization of Transfection Efficiency in Chick Embryo Hepatocytes and HepG2 Cells. <a href="#">BIOCHEMICA, No. 1, 2007, p. 13-15.</a></p>	

<b>HepG2.2.15</b>	
ATCCno. Or ECACCno.	Hep G2 line that constitutively expresses complete HBV genome
Source	liver; hepatoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Yu-Ping Wang et al. (2010) Host Heat-Stress Cognate 70 as a Potential Drug Target against Drug-Resistance in Hepatitis B Virus. Antimicrob. Agents Chemother., Feb 2010; 10.1128/AAC.01764-09.</p>	

<b>HepG2/C3A</b>	
ATCCno. Or ECACCno.	ATCC® CRL-10741™
Source	liver, hepatocellular carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Michael A. Menze, Leaf Boswell, Mehmet Toner, and Steven C. Hand (2009) Occurrence of Mitochondria-targeted Late Embryogenesis Abundant (LEA) Gene in Animals Increases Organelle Resistance to Water Stress. The Journal of Biological Chemistry, April 2009, Vol 284, No 16, 10714–10719</p>	

<b>HIT-T15</b>
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ATCCno. Or ECACCno.	ATCC® CRL-1777™
Source	pancreas, islet of Langerhans, beta-cell
Morphology	epithelial
Species	hamster, syrian golden
Growth Properties	monolayer
<b>References</b>	
Results Summary	good: 2
<p>Chueh-Ling Kuo, George Oyler, Charles B. Shoemaker (2009) Lipid and cationic polymer based transduction of botulinum holotoxin, or toxin protease alone, extends the target cell range and improves the efficiency of intoxication. <i>Toxicol</i>, Volume 55, Issues 2-3, February-March 2010, Pages 619-629 (via <a href="http://www.sciencedirect.com">www.sciencedirect.com</a>)</p>	
<p>Christine Dos Santos, Pierre Bougnères, and Delphine Fradin (2009) A Single-Nucleotide Polymorphism in a Methylatable Foxa2 Binding Site of the G6PC2 Promoter Is Associated With Insulin Secretion In Vivo and Increased Promoter Activity In Vitro. <i>Diabetes</i>, Feb 2009, 58:489-492.</p>	

<b>HK11</b>	
ATCCno. Or ECACCno.	
Source	kidney; renal proximal tubule cells
Morphology	
Species	human
Growth Properties	
<b>References</b>	
Results Summary	good: 1
<p>Timothy D. Cummins, Michelle T. Barati, Susan C. Coventry, Sarah A. Salyer, Jon B. Klein, David W. Powell (2009) Quantitative mass spectrometry of diabetic kidney tubules identifies GRAP as a novel regulator of TGF-beta signaling. <i>Biochim Biophys Acta</i>, Apr 2010, 1804(4):653-661.</p>	

<b>HKC-8</b>	
ATCCno. Or ECACCno.	
Source	kidney; renal proximal tubular cell line, immortalized
Morphology	epithelial
Species	human
Growth Properties	
<b>References</b>	
Results Summary	good: 1
<p>Ruth Schietke et al. (2010) The Lysyl Oxidases LOX and LOXL2 Are Necessary and Sufficient to Repress E-cadherin in Hypoxia: INSIGHTS INTO CELLULAR TRANSFORMATION PROCESSES MEDIATED BY HIF-1. <i>J. Biol. Chem.</i>, Feb 2010; 285: 6658-6669.</p>	

<b>Hkh2</b>	
ATCCno. Or ECACCno.	
Source	clone of the HCT116 cells where the activated K-RAS allele has been disrupted by homologous recombination; cells from colorectal carcinoma

Morphology	epithelial
Species	human
Growth Properties	
<b>References</b>	
Results Summary	good: 1
<p>Fehrenbacher N, Bastholm L, Kirkegaard-Sørensen T, Rafn B, Böttzauw T, Nielsen C, Weber E, Shirasawa S, Kallunki T, and Jüttel M (2008) Sensitization to the Lysosomal Cell Death Pathway by Oncogene-Induced Down-regulation of Lysosome-Associated Membrane Proteins 1 and 2. <i>Cancer Res.</i>, Aug 2008; 68: 6623 - 6633</p>	

<b>HL-1</b>	
ATCCno. Or ECACCno.	W.C. Claycomb et al., <i>Am J Physiol Heart Circ Physiol</i> 286: H823-H829, 2004; doi:10.1152/ajpheart.00986.2003 0363-6135/04
Source	cardiac cells; atrial tumor cardiomyocytes
Morphology	
Species	rat
Growth Properties	
<b>References</b>	
Results Summary	good: 5 bad: 1
<p>Henner F, Farin, Markus Bussen, Martina K. Schmidt, Manvendra K. Singh, Karin Schuster-Gossler, and Andreas Kispert (2007) Transcriptional Repression by the T-box Proteins Tbx18 and Tbx15 Depends on Groucho Corepressors. <i>J. Biol. Chem.</i>, Aug 2007; 282: 25748 - 25759.</p>	
<p>Piantadosi CA, Carraway MS, Babiker A and Suliman HB (2009) Heme Oxygenase-1 Regulates Cardiac Mitochondrial Biogenesis via Nrf2-Mediated Transcriptional Control of Nuclear Respiratory Factor-1. <i>Circ. Res.</i>, Nov 2008; 103: 1232 - 1240. DOI: 10.1161/01.RES.0000338597.71702</p>	
<p>Gregory I. Mashanov, Muriel Nobles, Stephen C. Harmer, Justin E. Molloy, and Andrew Tinker (2010) Direct Observation of Individual KCNQ1 Potassium Channels Reveals Their Distinctive Diffusive Behavior. <i>J. Biol. Chem.</i>, Feb 2010; 285: 3664-3675.</p>	

<b>HL-60</b>	
ATCCno. Or ECACCno.	ATCC® CCL-240™
Source	leukemia, acute promyelocytic; blood, peripheral
Morphology	lymphoblast
Species	human
Growth Properties	suspension
<b>References</b>	
Results Summary	good: 2 neutral: 1 bad: 1
<p>Olesen, J., B. and Gough, E. (2006) Optimization of Transfection Conditions for the Human HL-60 Promyelocytic Leukemic T-Cell Line Using FuGENE® HD Transfection Reagent. <a href="#">BIOCHEMICA, No.3, 2006, p.24-25.</a></p>	
<p>R Kang, D Tang, Y Yu, Z Wang, T Hu, H Wang and L Cao (2010) WAVE1 regulates Bcl-2 localization and phos-</p>	

phorylation in leukemia cells. *Leukemia*, 2010 Jan;24(1):177-86.

<b>HMC-1</b>	
ATCCno. Or ECACCno.	
Source	mast cells
Morphology	mastocyte
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Glenn Cruse, Weidong Yang, S. Mark Duffy, Latifah Chachi, Mark Leyland, Yassine Amrani, Peter Bradding (2010) Counterregulation of beta2-adrenoceptor function in human mast cells by stem cell factor. <i>Journal of Allergy and Clinical Immunology</i>, Jan 2010, Volume 125, Issue 1, January 2010, 257-263.e5.</p>	

<b>HO-1-U1</b>	
ATCCno. Or ECACCno.	Ref: <i>Cancer Immunol Immunother.</i> 1991;32(6):382-90
Source	oral; sublingual squamous cell carcinoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	neutral: 1
<p>Personal communication</p>	

<b>HOC (hepatic oval cells)</b>	
ATCCno. Or ECACCno.	
Source	liver, oval cells
Morphology	
Species	rat
Growth Properties	
References	
Results Summary	good: 1
<p>Chen-Xuan Wu, Qi Zou, Zheng-Yan Zhu, Ying-Tang Gao, Yi-Jun Wang (2009) Intrahepatic transplantation of hepatic oval cells for fulminant hepatic failure in rats. <i>World J Gastroenterol</i> 2009 March 28; 15(12): 1506-1511.</p>	

<b>Hs578T</b>	
ATCCno. Or ECACCno.	
Source	mammary gland, breast cancer; from female patient with invasive ductal carcinoma
Morphology	
Species	human
Growth Properties	
References	

Results Summary	good: 1
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Personal communication	

<b>HSC-3</b>	
ATCCno. Or ECACCno.	Human Science Research Resources Bank, Osaka, Japan
Source	oral squamous carcinoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
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T Ishigami, K Uzawa, K Fushimi, K Saito, Y Kato, D Nakashima, M Higo, Y Kouzu, H Bukawa, T Kawata, H Ito, H Tanzawa (2008) Inhibition of ICAM2 induces radiosensitisation in oral squamous cell carcinoma cells. <i>British Journal of Cancer</i> , 2008 April 22; 98(8): 1357–1365.	

<b>HT-1080</b>	
ATCCno. Or ECACCno.	ATCC® CCL-121™
Source	fibrosarcoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 3 bad: 1
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Dmitri V. Rozanov, Alexei Y. Savinov, Roy Williams, Kang Liu, Vladislav S. Golubkov, Stan Krajewski, and Alex Y. Strongin (2008) Molecular Signature of MT1-MMP: Transactivation of the Downstream Universal Gene Network in Cancer. <i>Cancer Res.</i> , Jun 2008; 68: 4086 - 4096	
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Madar S, Brosh R, Buganim Y, Ezra O, Goldstein I, Solomon H, Kogan I, Goldfinger N, Klocker H, Rotter V (2009) Modulated expression of WFDC1 during carcinogenesis and cellular senescence. <i>Carcinogenesis</i> , Vol.30 No.1 pp.20-27.	
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Nobutaka Suzuki, Toshihide Itou, Yoshinori Hasegawa, Tsuneko Okazaki, and Masashi Ikeno (2010) Cell to cell transfer of the chromatin-packaged human beta-globin gene cluster. <i>Nucleic Acids Research</i> , 2010, Vol. 38, No. 5, e33.	

<b>HT-1376</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1472™
Source	carcinoma; urinary bladder
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1

Personal communication
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<b>HT-29</b>	
ATCCno. Or ECACCno.	ATCC® HTB-38™
Source	colon; colorectal adenocarcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 8
<p>Liuqing Yang, Chunru Lin, Shumin Zhao, Haizhen Wang, and Zhi-Ren Liu (2007) Phosphorylation of p68 RNA helicase plays a role in PDGF-induced cell proliferation by Up-regulating cyclin D1 and c-myc expression. <i>J. Biol. Chem.</i>, Apr 2007; 10.1074/jbc.M610488200.</p>	
<p>Brocardo M, Lei Y, Tighe A, Taylor SS, Myth T. S. Mok MTS, and Henderson BR (2008) Mitochondrial Targeting of Adenomatous Polyposis Coli Protein Is Stimulated by Truncating Cancer Mutations. <i>J. Biol. Chem.</i>, Vol. 283, Issue 9, 5950-5959</p>	
<p>Woo Hyung Lee, Young Woo Kim, Jae Hoon Choi, Samuel Carroll Brooks III, Mi-Ock Lee, and Sang Geon Kim (2009) Oltipraz and dithiolethione congeners inhibit hypoxia-inducible factor-1alpha activity through p70 ribosomal S6 kinase-1 inhibition and H2O2-scavenging effect. <i>Mol Cancer Ther</i> 2009;8(10), 2791-2802.</p>	
<p>Kyoko Takahashi, Yutaka Sugi, Akira Hosono, and Shuichi Kaminogawa (2009) Epigenetic Regulation of TLR4 Gene Expression in Intestinal Epithelial Cells for the Maintenance of Intestinal Homeostasis. <i>The Journal of Immunology</i>, 2009, 183, 6522-6529.</p>	
<p>Henrik Fyrst, Babak Oskouian, Padmavathi Bandhuvula, Yaqiong Gong, Hoe Sup Byun, Robert Bittman, Andrew R. Lee, and Julie D. Saba (2009) Natural Sphingadienes Inhibit Akt-Dependent Signaling and Prevent Intestinal Tumorigenesis. <i>Cancer Res.</i>, Dec 2009; 69: 9457-9464.</p>	

<b>HT22</b>	
ATCCno. Or ECACCno.	Stanciu et al (2000) <i>J. Biol Chem.</i> 275:12200
Source	hippocampus
Morphology	neuronal
Species	mouse
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>hTERT RPE-1</b>	
ATCCno. Or ECACCno.	ATCC® CRL-4000™
Source	retina; pigmented epithelium immortalized with hTERT
Morphology	epithelial

Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
Personal communication	

<b>HTM</b>	
ATCCno. Or ECACCno.	
Source	eye; trabecular meshwork (spongy tissue around the base of the cornea)
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Li-Yun Jia, Bo Gong, Chi-Pui Pang, Yao Huang, Dennis Shun-Chiu Lam, Ningli Wang, and Gary Hin-Fai Yam (2009) Correction of the Disease Phenotype of Myocilin-Causing Glaucoma by a Natural Osmolyte. <i>Investigative Ophthalmology &amp; Visual Science</i>, August 2009, Vol. 50, No. 8, 3743-3749.</p>	

<b>HTX/LH2SN</b>	
ATCCno. Or ECACCno.	Coté et al., <i>J. of Virol.</i> , Mar 2008, p. 2543-2554
Source	HTX cells overexpressing human Hyal2
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Marceline Côté, Yi-Min Zheng, Lorraine M. Albritton, and Shan-Lu Liu (2008) Fusogenicity of Jaagsiekte Sheep Retrovirus Envelope Protein Is dependent on Low pH and Is Enhanced by Cytoplasmic Tail Truncations. <i>J. Virol.</i>, Mar 2008; 82 (5): 2543 - 2554. <i>J. Virol.</i>, Dec 2007; 10.1128/JVI.01852-07</p>	

<b>HuCCT1</b>	
ATCCno. Or ECACCno.	
Source	liver, bile duct; cholangiocellular carcinoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Rory L. Smoot, Boris R.A. Blechacz, Nathan W. Werneburg, Steve F. Bronk, Frank A. Sinicrope, Alphonse E. Sirica, and Gregory J. Gores (2010) A Bax-Mediated Mechanism for Obatoclax-Induced Apoptosis of Cholangiocarcinoma Cells. <i>Cancer Res.</i>, Mar 2010; 70: 1960-1969.</p>	



<b>Huh-7</b>	
ATCCno. Or ECACCno.	
Source	hepatoma, liver
Morphology	
Species	human
Growth Properties	adherent
References	
Results Summary	good: 11 neutral: 1
<p>Jing Zhang, Osamu Yamada, Hiroshi Yoshida, Takashi Sakamoto, Hiromasa Araki and Kunitada Shimotohno (2007) Helper virus-independent trans-replication of hepatitis C virus-derived minigenome. <i>Biochemical and Biophysical Research Communications</i>, Volume 352, Issue 1, 5 January 2007, Pages 170-176.</p>	
<p>Akazawa Y, Mott JL, Bronk SF, Werneburg NW, Kahraman A, Guicciardi ME, Meng XW, Kohno S, Shah VH, Kaufmann SH, McNiven MA, Gores GJ (2009) Death receptor 5 internalization is required for lysosomal permeabilization by TRAIL in malignant liver cell lines. <i>Gastroenterology</i>. 2009 Jun;136(7):2365-2376.e1-7.</p>	
<p>Hou, Xiaohong and Huang, Mingjun (2008) CELLS EXPRESSING CHIMERIC NS4A PROTEINS OF HCV AND THEIR USE IN ASSAYS. WIPO Patent Application WO/2008/134640, Kind Code:A2, 11/06/2008. <a href="http://www.freepatentsonline.com/WO2008134640.html">www.freepatentsonline.com/WO2008134640.html</a></p>	
<p>Cazanave SC, Mott JL, Elmi NA, Bronk SF, Werneburg NW, Akazawa Y, Kahraman A, Garrison SP, Zambetti GP, Charlton MR, Gores GJ (2009) JNK1-dependent PUMA Expression Contributes to Hepatocyte Lipoapoptosis. <i>J Biol Chem</i>. 2009 Sep 25;284(39):26591-602.</p>	
<p>Chang Tan, Hua Guo, Maofa Zheng, Yu Chen, Weida Huang (2009) Involvement of mitochondrial permeability transition in hepatitis B virus replication. <i>Virus Research</i>, 2009, 145, 307-311.</p>	
<p>Shiu-Wan Chan and Philip Anthony Egan (2009) Effects of hepatitis C virus envelope glycoprotein unfolded protein response activation on translation and transcription. <i>Arch Virol</i> (2009) 154:1631–1640.</p>	
<p>Yann Le Duff, Matthieu Blanchet, and Camille Sureau (2009) The Pre-S1 and Antigenic Loop Infectivity Determinants of the Hepatitis B Virus Envelope Proteins Are Functionally Independent. <i>Journal of Virology</i>, 2009, Vol. 83, No. 23, 12443-12451.</p>	
<p>Pia Kotokorpi, Nicolas Venteclef, Ewa Ellis, Jan-Åke Gustafsson, and Agneta Mode (2010) The Human ADFP Gene Is a Direct Liver-X-Receptor (LXR) Target Gene and Differentially Regulated by Synthetic LXR Ligands. <i>Mol. Pharmacol.</i>, Jan 2010; 77: 79-86.</p>	

<b>Huh7-D12</b>	
ATCCno. Or ECACCno.	ECACC-No: 01042712
Source	hepatoma; Huh-7 stably transfected with HDV cDNA and constitutively expressing virus ribonucleoproteins
Morphology	epithelial
Species	human
Growth Properties	adherent
References	

Results Summary	good: 1
Personal communication	

<b>IMR-32</b>	
ATCCno. Or ECACCno.	ATCC® CCL-127™
Source	brain, neuroblastoma
Morphology	fibroblast; neuroblast
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Rui Wang, Jonathan T. Kern, Theodore L. Goodfriend, Dennis L. Ball, Hendrik Luesch (2009) Activation of the anti-oxidant response element by specific oxidized metabolites of linoleic acid. Prostaglandins Leukot Essent Fatty Acids. 2009 Jul;81(1):53-9.</p>	
<p>Samuel E. Schriener, Agnesa Avanesian, Yanxia Liu, Hendrik Luesch, Mahtab Jafari (2009) Protection of human cultured cells against oxidative stress by Rhodiola rosea without activation of antioxidant defenses. Free Radical Biology &amp; Medicine 47 (2009) 577-584.</p>	

<b>INS-1</b>	
ATCCno. Or ECACCno.	Asfari et al, Endocrinology 1992 Jan;130(1):167-78
Source	insulinoma
Morphology	beta cell
Species	rat
Growth Properties	adherent and floating clusters
References	
Results Summary	good: 5
<p>Yang J, Zhao TJ, Goldstein JL, and Brown MS (2008) Inhibition of ghrelin O-acyltransferase (GOAT) by octanoylated pentapeptides. PNAS, Aug 2008; 105: 10750 - 10755</p>	
<p>Shazia Adalat et al. (2009) HNF1B Mutations Associate with Hypomagnesemia and Renal Magnesium Wasting. J Am Soc Nephrol 20: 1123–1131.</p>	
<p>Chunli Shao and Melanie H. Cobb (2009) Sumoylation Regulates the Transcriptional Activity of MafA in Pancreatic beta Cells. J Biol Chem. 2009 Jan 30;284(5):3117-24.</p>	
<p>Christine Dos Santos, Pierre Bougnères, and Delphine Fradin (2009) A Single-Nucleotide Polymorphism in a Methylatable Foxa2 Binding Site of the G6PC2 Promoter Is Associated With Insulin Secretion In Vivo and Increased Promoter Activity In Vitro. Diabetes, Feb 2009, 58:489-492.</p>	

<b>Ishikawa cells</b>	
ATCCno. Or ECACCno.	
Source	endometrial adenocarcinoma
Morphology	

Species	human
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>J1</b>	
ATCCno. Or ECACCno.	Li, E., Cell 69, 915-926.
Source	embryo
Morphology	ES cell
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 1
Personal communication	

<b>J774.1</b>	
ATCCno. Or ECACCno.	
Source	macrophage-like tumour cell line, reticulum cell sarcoma-derived
Morphology	
Species	mouse
Growth Properties	
References	
Results Summary	good: 3
Yoichi Osada, Toshiro Sunatani, In-San Kim, Yoshinobu Nakanishi and Akiko Shiratsuchi (2009) Signalling Pathway Involving GULP, MAPK and Rac1 for SR-BI-Induced Phagocytosis of Apoptotic Cells. Journal of Biochemistry, Mar 2009, 145(3):387-394.	

<b>J774A.1</b>	
ATCCno. Or ECACCno.	ATCC® TIB-67™
Source	blood
Morphology	macrophage
Species	mouse
Growth Properties	monolayer
References	
Results Summary	bad: 1
Personal communication	

<b>JEG-3</b>	
ATCCno. Or ECACCno.	ATCC® HTB-36™
Source	choriocarcinoma; placenta

Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
Personal communication	

<b>Jeko-1</b>	
ATCCno. Or ECACCno.	DMSZ-No: ACC 553
Source	peripheral blood
Morphology	
Species	human
Growth Properties	suspension
References	
Results Summary	neutral: 1
Personal communication	

<b>JHU-022</b>	
ATCCno. Or ECACCno.	
Source	head and neck squamous cell carcinoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Aditi Chatterjee, Xiaofei Chang, Tanusree Sen, Rajani Ravi, Atul Bedi, and David Sidransky (2010) Regulation of p53 Family Member Isoform deltaNp63alpha by the Nuclear Factor-kappaB Targeting Kinase IkappaB Kinase beta. Cancer Res., Feb 2010; 70: 1419-1429.	

<b>JM4.5.2</b>	
ATCCno. Or ECACCno.	Rivera-Walsh et al (2000) J. Biol. Chem. 275: 25222-25230
Source	JM4.5.2 are Jurkat T cells which are defective in NF-kappaB signaling (i.e. NEMO-deficient)
Morphology	lymphoblast
Species	human
Growth Properties	suspension
References	
Results Summary	good: 1
E Laplantine, E Fontan, J Chiaravalli, T Lopez, G Lakisic, M Veron, F Agou, and Alain Israel (2009) NEMO specifically recognizes K63-linked poly-ubiquitin chains through a new bipartite ubiquitin-binding domain. The EMBO Journal 28(19), 2885-2895 (17 September 2009) doi:10.1038/emboj.2009.241	

<b>JTC-32</b>	
ATCCno. Or ECACCno.	
Source	bladder carcinoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Hiroshi Fukushima et al. (2009) Loss of DELTA-Np63alpha Promotes Invasion of Urothelial Carcinomas via N-Cadherin/Src Homology and Collagen/Extracellular Signal-Regulated Kinase Pathway. <i>Cancer Res.</i>, Dec 2009; 69: 9263-9270.</p>	

<b>Jurkat</b>	
ATCCno. Or ECACCno.	
Source	lymphoma
Morphology	lymphoblast
Species	human
Growth Properties	suspension
References	
Results Summary	good: 4 bad: 2
<p>Ito A, Suganami T, Yamauchi A, Degawa-Yamauchi M, Tanaka M, Kouyama R, Kobayashi Y, Nitta N, Yasuda K, Hirata Y, Kuziel WA, Takeya M, Kanegasaki S, Kamei Y, Ogawa Y (2008) Role of CC Chemokine Receptor 2 in Bone Marrow Cells in the Recruitment of Macrophages into Obese Adipose Tissue. <i>J. Biol. Chem.</i>, Dec 2008; 283: 35715 - 35723</p>	
<p>R Kang, D Tang, Y Yu, Z Wang, T Hu, H Wang and L Cao (2010) WAVE1 regulates Bcl-2 localization and phosphorylation in leukemia cells. <i>Leukemia</i>, 2010 Jan;24(1):177-86.</p>	
<p>Olivera Grubisha et al. (2010) DARPIn-Assisted Crystallography of the CC2-LZ Domain of NEMO Reveals a Coupling between Dimerization and Ubiquitin Binding. <i>Journal of Molecular Biology</i>, Jan 2010, Volume 395, Issue 1, 89-104.</p>	

<b>Jurkat A3</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2570™
Source	T lymphocyte; acute T cell leukemia
Morphology	lymphoblast
Species	human
Growth Properties	suspension
References	
Results Summary	neutral: 1
<p>Personal communication</p>	

<b>Jurkat D1.1</b>	
ATCCno. Or ECACCno.	ATCC® CRL-10915™
Source	acute T cell leukemia; this cell line is a CD4 negative derivative of Jurkat
Morphology	lymphoblast
Species	human
Growth Properties	suspension
References	
Results Summary	good: 1
Personal communication	

<b>K-562</b>	
ATCCno. Or ECACCno.	ATCC® CCL-243™
Source	leukemia, chronic myelogenous; bone marrow
Morphology	lymphoblast
Species	human
Growth Properties	suspension
References	
Results Summary	good: 1 neutral: 2
Personal communication	

<b>Kit-225</b>	
ATCCno. Or ECACCno.	Modiano et al (2000) J. Immunology
Source	blood
Morphology	T cells
Species	human
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>KM12</b>	
ATCCno. Or ECACCno.	
Source	colon carcinoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>KR4(LCL)</b>	
ATCCno. Or ECACCno.	
Source	peripheral blood lymphocytes
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>L cells</b>	
ATCCno. Or ECACCno.	
Source	A cultured line of C3H mouse fibroblast that do not adhere to one another and do not express cadherins
Morphology	fibroblast-like
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Minke E. Binnerts, Kyung-Ah Kim, Jessica M. Bright, Sejal M. Patel, Karolyn Tran, Mei Zhou, John M. Leung, Yi Liu, Woodrow E. Lomas, III, Melissa Dixon, Sophie A. Hazell, Marie Wagle, Wen-Sheng Nie, Nenad Tomasevic, Jason Williams, Xiaoming Zhan, Michael D. Levy, Walter D. Funk, and Arie Abo (2007) R-Spondin1 regulates Wnt signaling by inhibiting internalization of LRP6. PNAS, Sep 2007; 104: 14700 - 14705.</p> <p>Xiao Z. Shen, Aron E. Lukacher, Ifor R. Williams, and Kenneth E. Bernstein (2008) Expression of angiotensin converting enzyme changes MHC class I peptide presentation by modifying C-termini of peptide precursors. J. Biol. Chem., Feb 2008; 10.1074/jbc.M709574200; J. Biol. Chem., Apr 2008; 283: 9957 - 9965</p>	

<b>LbetaT2</b>	
ATCCno. Or ECACCno.	
Source	gonadotropes from anterior pituitary
Morphology	
Species	mouse
Growth Properties	
References	
Results Summary	good: 1
<p>Jose E. Avelino-Cruz, Amira Flores, Jorge Cebada, Pamela L. Mellon, Ricardo Felix, Eduardo Monjaraz (2009) Leptin increases L-type Ca<sup>2+</sup> channel expression and GnRH-stimulated LH release in LbetaT2 gonadotropes. Molecular and Cellular Endocrinology, 2009, 298, 57-65.</p>	

<b>LMH</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2117™
Source	hepatocellular carcinoma

Morphology	epithelial
Species	chicken
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 2
<p>Dorothee Helferich, Jutta Veits, Thomas C. Mettenleiter and Walter Fuchs (2007) Identification of transcripts and protein products of the UL31, UL37, UL46, UL47, UL48, UL49 and US4 gene homologues of avian infectious laryngotracheitis virus. <i>J Gen Virol</i> 88 (2007), 719-731; DOI 10.1099/vir.0.82532-0.</p>	
<p>Sophia P. Pavlova, Jutta Veits, Günther M. Keil, Thomas C. Mettenleiter, Walter Fuchs (2009) Protection of chickens against H5N1 highly pathogenic avian influenza virus infection by live vaccination with infectious laryngotracheitis virus recombinants expressing H5 hemagglutinin and N1 neuraminidase. <i>Vaccine</i> 27 (2009) 773-785.</p>	

<b>LN-18</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2610™
Source	brain; cerebrum, right temporal lobe; glioblastoma
Morphology	epithelial
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 1
<p>Joseph George, Naren L. Banik, and Swapan K. Ray (2009) Combination of hTERT Knockdown and IFN-gamma Treatment Inhibited Angiogenesis and Tumor Progression in Glioblastoma. <i>Clin Cancer Res</i> 2009;15(23), 7168-7195.</p>	

<b>LNAI</b>	
ATCCno. Or ECACCno.	
Source	androgen-independent, prostate-specific antigen-positive prostate cancer cells
Morphology	
Species	human
Growth Properties	
<b>References</b>	
Results Summary	good: 1
<p>Teresita Reiner, Alicia de las Pozas, Lourdes A. Gomez, Carlos Perez-Stable (2009) Low dose combinations of 2-methoxyestradiol and docetaxel block prostate cancer cells in mitosis and increase apoptosis. <i>Cancer Letters</i> 276 (2009) 21–31.</p>	

<b>LNCaP clone FGC</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1740™
Source	prostate; carcinoma, metastatic site: left supraclavicular lymph node carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent, single cells and loosely attached clusters



References	
Results Summary	good: 17
<p>WuQiang Fan, Toshihiko Yanase, Hidetaka Morinaga, Taijiro Okabe, Masatoshi Nomura, Hiroaki Daitoku, Akiyoshi Fukamizu, Shigeaki Kato, Ryoichi Takayanagi, and Hajime Nawata (2007) IGF1/insulin signaling activates androgen signaling through direct interactions of FOXO1 with androgen receptor. <i>J. Biol. Chem.</i>, Mar 2007; 282: 7329 – 7338.</p>	
<p>Phillip J. Gray, Jr., Mary Ann Stevenson, and Stuart K. Calderwood (2007) Targeting Cdc37 Inhibits Multiple Signaling Pathways and Induces Growth Arrest in Prostate Cancer Cells. <i>Cancer Res.</i>, Dec 2007; 67: 11942 - 11950</p>	
<p>Naoto Miyajima, Satoru Maruyama, Miyuki Bohgaki, Satoshi Kano, Masahiko Shigemura, Nobuo Shinohara, Katsuya Nonomura, and Shigetsugu Hatakeyama (2008) TRIM68 Regulates Ligand-Dependent Transcription of Androgen Receptor in Prostate Cancer Cells. <i>Cancer Res.</i>, May 2008; 68: 3486 - 3494</p>	
<p>Deng X, Liu H, Huang J, Cheng L, Keller ET, Parsons SJ, and Hu CD (2008) Ionizing Radiation Induces Prostate Cancer Neuroendocrine Differentiation through Interplay of CREB and ATF2: Implications for Disease Progression. <i>Cancer Res.</i>, Dec 2008; 68: 9663 - 9670</p>	
<p>Jean-Christophe Pignon, Benjamin Koopmansch, Gregory Nolens, Laurence Delacroix, David Waltregny, and Rosita Winkler (2009) Androgen Receptor Controls EGFR and ERBB2 Gene Expression at Different Levels in Prostate Cancer Cell Lines. <i>Cancer Res.</i> 2009 Apr 1;69(7):2941-9.</p>	
<p>Y Kawano, S Diez, P Uysal-Onganer, RS Darrington, J Waxman and RM Kypta (2009) Secreted Frizzled-related protein-1 is a negative regulator of androgen receptor activity in prostate cancer. <i>Br J Cancer.</i>, Apr 2009; 100(7):1165-1174.</p>	
<p>Teresita Reiner, Alicia de las Pozas, Lourdes A. Gomez, Carlos Perez-Stable (2009) Low dose combinations of 2-methoxyestradiol and docetaxel block prostate cancer cells in mitosis and increase apoptosis. <i>Cancer Letters</i> 276 (2009) 21–31.</p>	
<p>S Kaulfuß, S von Hardenberg, S Schweyer, AM Herr, F Laccone, S Wolf and P Burfeind (2009) Leupaxin acts as a mediator in prostate carcinoma progression through deregulation of p120catenin expression. <i>Oncogene</i>, 2009 Nov 12;28(45):3971-82.</p>	
<p>Liu Min, Toshihiko Yanase, Tomoko Tanaka, WuQiang Fan, Masatoshi Nomura, Hisaya Kawate, Taijiro Okabe, Ryoichi Takayanagi, and Hajime Nawata (2009) A Novel Synthetic Androgen Receptor Ligand, S42, Works as a Selective Androgen Receptor Modulator and Possesses Metabolic Effects with Little Impact on the Prostate. <i>Endocrinology</i>, 2009, Vol. 150, No. 12, 5606-5616.</p>	
<p>Chun-xiao Yu, Tong Jin, Wei-wen Chen, Peng-ju Zhang, Wen-wen Liu, Heng-yun Guan, Ju Zhang, Qing-wei Liu and An-li Jiang (2009) Identification of Sp1-elements in the promoter region of human homeobox gene NKX3.1. <i>Mol Biol Rep.</i> 2009 Nov;36(8):2353-60.</p>	
<p>Weiwen Chen, Weifang Wu, Jian Zhao, Chunxiao Yu, Wenwen Liu, Anli Jiang and Jianye Zhang (2009) Molecular cloning and preliminary analysis of the human alpha-methylacyl-CoA racemase promoter. <i>Mol Biol Rep.</i> 2009 Mar;36(3):423-30.</p>	
<p>Ser Sue Ng, Tokameh Mahmoudi, Esther Danenberg, Inés Bejaoui, Wim de Lau, Hendrik C. Korswagen, Mieke Schutte, and Hans Clevers (2009) Phosphatidylinositol 3-Kinase Signaling Does Not Activate the Wnt Cascade. <i>J. Biol. Chem.</i>, Dec 2009; 284: 35308-35313.</p>	

Jean-Christophe Pignon, Benjamin Koopmansch, Gregory Nolens, Laurence Delacroix, David Waltregny, and Rosita Winkler (2009) Androgen Receptor Controls EGFR and ERBB2 Gene Expression at Different Levels in Prostate Cancer Cell Lines. [Cancer Research Application Note No. 4](#), Published by Roche Diagnostics GmbH, Roche Applied Science.

<b>LoVo</b>	
ATCCno. Or ECACCno.	ATCC® CCL-229™
Source	colon; colorectal adenocarcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Kei Sakamoto, Shin Maeda, Yohko Hikiba, Hayato Nakagawa, Yoku Hayakawa, Wataru Shibata, Ayako Yanai, Keiji Ogura, and Masao Omata (2009) Constitutive NF-kappaB Activation in Colorectal Carcinoma Plays a Key Role in Angiogenesis, Promoting Tumor Growth. <i>Clin Cancer Res.</i> 2009 Apr 1;15(7):2248-2258.</p>	
<p>Katarzyna Gawlik, Sergey A. Shiryaev, Wenhong Zhu, Khatereh Motamedchaboki, Roxane Desjardins, Robert Day, Albert G. Remacle, Boguslaw Stec, Alex Y. Strongin (2009) Autocatalytic Activation of the Furin Zymogen Requires Removal of the Emerging Enzyme's N-Terminus from the Active Site. <i>PLoS ONE.</i> 2009; 4(4): e5031. doi: 10.1371/journal.pone.0005031.</p>	

<b>LS14</b>	
ATCCno. Or ECACCno.	Hugo et al., LS14: a novel human adipocyte cell line that produces prolactin. <i>Endocrinology.</i> 2006 Jan;147(1):306-13.
Source	adipocyte cell line
Morphology	
Species	human
Growth Properties	
References	
Results Summary	neutral: 1
Personal communication	

<b>LX-2</b>	
ATCCno. Or ECACCno.	Xu, L. et al., Human hepatic stellate cell lines, LX-1 and LX-2: new tools for analysis of hepatic fibrosis. <i>Gut,</i> 2005 Jan;54(1):142-51.
Source	liver; hepatic stellate cells
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Jinsheng Guo, Feng Hong, Johnny Loke, Steven Yea, Chooi Ling Lim, Ursula Lee, Derek A. Mann, Martin J. Walsh,	

John J. Sninsky, and Scott L. Friedman (2010) A DDX5 S480A Polymorphism Is Associated with Increased Transcription of Fibrogenic Genes in Hepatic Stellate Cells. *J. Biol. Chem.*, Feb 2010; 285: 5428-5437.

<b>M-1</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2038™
Source	kidney, cortex; collecting duct
Morphology	epithelial
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 1 neutral: 1
<p>Martina Seyfert and Ralf Lösel (2007) Efficacy Comparison of Transfection Reagents in a Collecting Duct Cell Line. <a href="#">BIOCHEMICA, No.3, 2007, p.30-31.</a></p>	
<p>Ningning Wang, Guangrui Yang, Zhanjun Jia, Hui Zhang, Toshinori Aoyagi, Sunhapas Soodvilai, J. David Symons, Jurgen B. Schnermann, Frank J. Gonzalez, Sheldon E. Litwin, and Tianxin Yang (2008) Vascular PPARγ Controls Circadian Variation in Blood Pressure and Heart Rate through Bmal1. <i>Cell Metabolism</i>, Dec 2008, Vol 8, Issue 6, 482-491.</p>	

<b>M17</b>	
ATCCno. Or ECACCno.	D. Miller et al (2003) <i>J. Biol. Chem.</i> , Sep 2003; 278: 36588 - 36595.
Source	neuroblastoma
Morphology	neuroblast
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Chueh-Ling Kuo, George Oyler, Charles B. Shoemaker (2009) Lipid and cationic polymer based transduction of botulinum holotoxin, or toxin protease alone, extends the target cell range and improves the efficiency of intoxication. <i>Toxicon</i>, Volume 55, Issues 2-3, February-March 2010, Pages 619-629 (via <a href="http://www.sciencedirect.com">www.sciencedirect.com</a>)</p>	

<b>M21</b>	
ATCCno. Or ECACCno.	
Source	melanoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Souslova EA, Belousov VV, Lock JG, Strömblad S, Kasparov S, Bolshakov AP, Pinelis VG, Labas YA, Lukyanov S, Mayr LM, Chudakov DM (2007) Single fluorescent protein-based Ca<sup>2+</sup> sensors with increased dynamic range. <i>BMC Biotechnology</i> 2007, 7:37; doi:10.1186/1472-6750-7-37</p>	

<b>MA-10</b>	
ATCCno. Or ECACCno.	Ascoli, M. (1981) <i>Endocrinology</i> 108(1):88-95
Source	Leydig tumor cells
Morphology	
Species	mouse
Growth Properties	
References	
Results Summary	good: 8
<p>Dyson MT, Jones JK, Kowalewski MP, Manna PR, Alonso M, Gottesman ME, Stocco DM (2008) Mitochondrial A-Kinase Anchoring Protein 121 Binds Type II Protein Kinase A and Enhances Steroidogenic Acute Regulatory Protein-Mediated Steroidogenesis in MA-10 Mouse Leydig Tumor Cells. <i>Biol Reprod.</i> 2008 Feb;78(2):267-77.</p>	
<p>Dyson MT, Jones JK, Kowalewski MP, Manna PR, Alonso M, Gottesman ME, Stocco DM (2008) Mitochondrial A-Kinase Anchoring Protein 121 Binds Type II Protein Kinase A and Enhances Steroidogenic Acute Regulatory Protein-Mediated Steroidogenesis in MA-10 Mouse Leydig Tumor Cells. <i>Biology of Reproduction</i> 78, 267-277 (2008); DOI 10.1095/biolreprod.107.064238</p>	
<p>Manna PR, Dyson MT, Jo Y, and Stocco DM (2009) Role of Dosage-Sensitive Sex Reversal, Adrenal Hypoplasia Congenita, Critical Region on the X Chromosome, Gene 1 in Protein Kinase A- and Protein Kinase C-Mediated Regulation of the Steroidogenic Acute Regulatory Protein Expression in Mouse Leydig Tumor Cells: Mechanism of Action. <i>Endocrinology</i>, January 2009, 150(1):187-199</p>	
<p>Manna, Pulak R and Stocco, Douglas M (2008) The role of JUN in the regulation of PRKCC-mediated STAR expression and steroidogenesis in mouse Leydig cells. <i>J. Mol. Endocrinol.</i>, Nov 2008; 41: 329 - 341</p>	
<p>Bassam El-Asmar, Xavier C Giner and Jacques J Tremblay (2009) Transcriptional cooperation between NF-kB p50 and CCAAT/enhancer binding protein b regulates Nur77 transcription in Leydig cells. <i>J. Mol. Endocrinol.</i>, Feb 2009; 42: 131 - 138.</p>	
<p>Matthew T. Dyson, Mariusz P. Kowalewski, Pulak R. Manna, Douglas M. Stocco (2009) The differential regulation of steroidogenic acute regulatory protein-mediated steroidogenesis by type I and type II PKA in MA-10 cells. <i>Molecular and Cellular Endocrinology</i>, Volume 300(1-2), March 2009, 94-103.</p>	
<p>Akhilesh K Pandey, Wei Li, Xiangling Yin, Douglas M Stocco, Paula Grammas, and XingJia Wang (2010) Blocking L-type calcium channels reduced the threshold of cAMP-induced steroidogenic acute regulatory gene expression in MA-10 mouse Leydig cells. <i>J. Endocrinol.</i>, Jan 2010; 204: 67-74.</p>	

<b>Macrophages, mouse</b>	
ATCCno. Or ECACCno.	
Source	bone marrow
Morphology	
Species	mouse
Growth Properties	
References	
Results Summary	good: 3 neutral: 1

Jing Wang, Su Wu, Xin Jin, Mingtao Li, Shiyong Chen, Jessica L. Teeling, V. Hugh Perry, and Jun Gu (2008) Retinoic Acid-Inducible Gene-I Mediates Late Phase Induction of TNF- by Lipopolysaccharide. *J. Immunol.*, Jun 2008; 180: 8011 - 8019

Uchiya K and Nikai T (2008) Salmonella virulence factor SpiC is involved in expression of flagellin protein and mediates activation of the signal transduction pathways in macrophages. *Microbiology*, Nov 2008; 154: 3491 - 3502

### McA-RH7777

ATCCno. Or ECACCno.	ATCC® CRL-1601™
Source	hliver; hepatoma; Morris hepatoma 7777
Morphology	epithelial
Species	rat
Growth Properties	loosely adherent

#### References

Results Summary good: 3

Simon JM Welham, Adrian JL Clark and Andrew M Salter (2009) A novel liver specific isoform of the rat LAR transcript is expressed as a truncated isoform encoded from a 5'UTR located within intron. *Biochemistry*. 2008 December 30; 47(52): 13778–13787.

Jiang Wang, Bei-Bei Chu, Liang Ge, Bo-Liang Li, Yan Yan, and Bao-Liang Song (2009) Membrane topology of human NPC1L1, a key protein in enterohepatic cholesterol absorption. *J. Lipid Res.*, Aug 2009; 50: 1653 - 1662.

Bei-Bei Chu, Liang Ge, Chang Xie, Yang Zhao, Hong-Hua Miao, Jing Wang, Bo-Liang Li, and Bao-Liang Song (2009) Requirement of Myosin Vb.Rab11a.Rab11-FIP2 Complex in Cholesterol-regulated Translocation of NPC1L1 to the Cell Surface. *J. Biol. Chem.*, Aug 2009; 284: 22481-22490.

### MCA3D

ATCCno. Or ECACCno.	
Source	epidermal, keratinocytes
Morphology	
Species	mouse
Growth Properties	

#### References

Results Summary neutral: 1

Personal communication

### MCF 10A

ATCCno. Or ECACCno.	ATCC® CRL-10317™
Source	breast, mamary gland; fibrocystic disease
Morphology	epithelial
Species	human
Growth Properties	adherent

#### References

Results Summary good: 5

Rafael García-Mata, Adi D. Dubash, Lisa Sharek, Heather S. Carr, Jeffrey A. Frost, and Keith Burrige (2007) The Nuclear RhoA Exchange Factor Net1 Interacts with Proteins of the Dlg Family, Affects Their Localization, and Influences Their Tumor Suppressor Activity. *Mol. Cell. Biol.*, Dec 2007; 27: 8683 - 8697

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### MCF7

ATCCno. Or ECACCno.	ATCC® HTB-22™
Source	adenocarcinoma; mammary gland; pleural effusion
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 46 neutral: 1
See also <a href="#">Cell-type specific protocols and data</a>	
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### MCF7-SH

ATCCno. Or ECACCno.	variant of MCF7 cells which are estrogen independent but ERalpha dependent
Source	mammary gland; adenocarcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent

### References

Results Summary good: 1

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<b>MCR-5</b>	
ATCCno. Or ECACCno.	
Source	fetal lung
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>MDA-MB-231</b>	
ATCCno. Or ECACCno.	ATCC® HTB-26™
Source	adenocarcinoma; mammary gland; pleural effusion
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 8 neutral: 1
<p>Nic Bougen (2008) Transfection of T47D Mammary Carcinoma Cells Using FuGENE HD Transfection Reagent. <a href="#">BIOCHEMICA, No.1, 2008, p. 19-21.</a></p>	
<p>Gail E de Blaquiere, Felicity E B May and Bruce R Westley (2009) Increased expression of both insulin receptor substrates 1 and 2 confers increased sensitivity to IGF-1 stimulated cell migration. <i>Endocrine-Related Cancer</i>, 16(2), 635-647.</p>	
<p>Z Lin, P Yin, S Reierstad, M O'Halloran, J S Coon V, E K Pearson, G M Mutlu and S E Bulun (2010) Adenosine A1 receptor, a target and regulator of estrogen receptor alpha action, mediates the proliferative effects of estradiol in breast cancer. <i>Oncogene</i>, 2010, 29, 1114–1122.</p>	
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<p>Nayana Ghosh-Choudhury, Chandi Charan Mandal, Nandini Ghosh-Choudhury, Goutam Ghosh Choudhury (2010) Simvastatin induces derepression of PTEN expression via NFkappaB to inhibit breast cancer cell growth. <i>Cellular Signalling</i>, May 2010, Volume 22, Issue 5, 749-758.</p>	
<p>Lixin Zhang, Peggy Sullivan, Julie Suyama, and Dario Marchetti (2010) Epidermal Growth Factor–Induced Heparanase Nucleolar Localization Augments DNA Topoisomerase I Activity in Brain Metastatic Breast Cancer. <i>Mol. Cancer Res.</i>, Feb 2010; 8: 278-290.</p>	

<b>MDA-MB-361</b>	
ATCCno. Or ECACCno.	ATCC® HTB-27™
Source	breast; mammary gland; adenocarcinoma

Morphology	epithelial
Species	human
Growth Properties	loosely adherent
<b>References</b>	
Results Summary	good: 1
<p>Ser Sue Ng, Tokameh Mahmoudi, Esther Danenberg, Inés Bejaoui, Wim de Lau, Hendrik C. Korswagen, Mieke Schutte, and Hans Clevers (2009) Phosphatidylinositol 3-Kinase Signaling Does Not Activate the Wnt Cascade. <i>J. Biol. Chem.</i>, Dec 2009; 284: 35308-35313.</p>	

<b>MDA-MB-453</b>	
ATCCno. Or ECACCno.	Kita et al, FEBS Lett 1994; 349: 139-43
Source	carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 1
<p>Hong Zhao Li, Yan Gao, Xiu Lan Zhao, Yi Xin Liu, Bao Cun Sun, Jie Yang, and Zhi Yao (2009) Effects of Raf Kinase Inhibitor Protein Expression on Metastasis and Progression of Human Breast Cancer. <i>Mol Cancer Res</i> 2009;7(6):832-840.</p>	

<b>MDA-MB-468</b>	
ATCCno. Or ECACCno.	ATCC® HTB-132™
Source	adenocarcinoma; mammary gland
Morphology	epithelial
Species	human
Growth Properties	monolayer
<b>References</b>	
Results Summary	good: 3
<p>Hui-Wen Lo, Sheng-Chieh Hsu, Weiya Xia, Xinyu Cao, Jin-Yuan Shih, Yongkun Wei, James L. Abbruzzese, Gabriel N. Hortobagyi, and Mien-Chie Hung (2007) Epidermal Growth Factor Receptor Cooperates with Signal Transducer and Activator of Transcription 3 to Induce Epithelial-Mesenchymal Transition in Cancer Cells via Up-regulation of TWIST Gene Expression. <i>Cancer Res.</i>, Oct 2007; 67: 9066 - 9076</p>	
<p>Ser Sue Ng, Tokameh Mahmoudi, Esther Danenberg, Inés Bejaoui, Wim de Lau, Hendrik C. Korswagen, Mieke Schutte, and Hans Clevers (2009) Phosphatidylinositol 3-Kinase Signaling Does Not Activate the Wnt Cascade. <i>J. Biol. Chem.</i>, Dec 2009; 284: 35308-35313.</p>	
<p>Hu Zhu, Xinyu Cao, Francis Ali-Osman, Stephen Keir, Hui-Wen Lo (2010) EGFR and EGFRvIII interact with PUMA to inhibit mitochondrial translocation of PUMA and PUMA-mediated apoptosis independent of EGFR kinase activity. <i>Cancer Letters</i>, In Press;</p>	

<b>MDCC-MSB1</b>	
ATCCno. Or ECACCno.	

Source	spleen, lymphoma
Morphology	lymphoblast-like
Species	chicken
Growth Properties	suspension
<b>References</b>	
Results Summary	good: 1
<p>Prasetyo AA, Kamahora T, Kuroishi A, Murakami K, Hino S (2009) Replication of chicken anemia virus (CAV) requires apoptin and is complemented by VP3 of human torque teno virus (TTV). <i>Virology</i>, March 2009, 385(1), 85-92.</p>	

<b>MDCK (NBL-2)</b>	
ATCCno. Or ECACCno.	ATCC® CCL-34™
Source	normal; kidney
Morphology	epithelial
Species	canine (dog)
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 5 bad: 3
<p>Amy L. Wilson-O'Brien, Carrie L. DeHaan, and Suzanne Rogers (2007) Mitogen stimulated and rapamycin sensitive GLUT12 targeting and functional glucose transport in renal epithelial cells. <i>Endocrinology</i>, Mar 2008; 149: 917 - 924. <i>Endocrinology</i>, Nov 2007, 10.1210/en.2007-0985</p>	
<p>Charlotta Buch, Robert Lindberg, Ricardo Figueroa, Santhosh Gudise, Evgeny Onischenko and Einar Hallberg (2009) An integral protein of the inner nuclear membrane localizes to the mitotic spindle in mammalian cells. <i>J. Cell Sci.</i>, Jun 2009; 122: 2100-2107.</p>	
<p>Tuomas J. Heiskanen, Sara A. Illman, Jouko Lohi, Jorma Keski-Oja (2009) Epilysin (MMP-28) is deposited to the basolateral extracellular matrix of epithelial cells. <i>Matrix Biol.</i> 2009 Mar;28(2):74-83.</p>	

<b>MDCK II</b>	
ATCCno. Or ECACCno.	EMBO J. 1989 Nov;8(11):3207-13; mutant cell line derived from MDCK, MDCKII-RCAr
Source	kidney
Morphology	epithelial
Species	canine
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 2 neutral: 1
<p>Sebastian Schneider and Regine Süss (2010) Spectral Bio-Imaging and Confocal Imaging of the Intracellular Distribution of Lipoplexes. <i>Methods in Molecular Biology</i>, Volume 606, Jan 2010, 457-467; DOI: 10.1007/978-1-60761-447-0_31</p>	

<b>MEC-2</b>	
ATCCno. Or ECACCno.	DSMZ No: ACC 500
Source	peripheral blood, chronic B cell leukemia
Morphology	
Species	human
Growth Properties	suspension
References	
Results Summary	neutral: 1
Personal communication	

<b>Medusae animals</b>	
ATCCno. Or ECACCno.	
Source	medusae in different developmental stages
Morphology	
Species	Eleutheria dichotoma
Growth Properties	
References	
Results Summary	good: 1
<p>Jakob W, Schierwater B (2007) Changing Hydrozoan Bauplans by Silencing Hox-Like Genes. PLoS ONE 2(8): e694. doi:10.1371/ journal.pone.0000694</p>	

<b>MEF immortalized</b>	
ATCCno. Or ECACCno.	
Source	embryo
Morphology	fibroblast
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 5
<p>Coffinier, C., Hudon, S.E., Farber, E.A., Chang, S.Y., Hrycyna, C.A., Young, S.G., and Fong, L.G. (2007) HIV protease inhibitors block the zinc metalloproteinase ZMPSTE24 and lead to an accumulation of prelamin A in cells. PNAS, Jul 2007; 10.1073/pnas.0704212104</p> <p>Catherine Coffinier, Sarah E. Hudon, Roger Lee, Emily A. Farber, Chika Nobumori, Jeffrey H. Miner, Douglas A. Andres, H. Peter Spielmann, Christine A. Hrycyna, Loren G. Fong, and Stephen G. Young (2008) A potent HIV protease inhibitor, darunavir, does not inhibit ZMPSTE24 or lead to an accumulation of farnesyl-prelamin A in cells. J. Biol. Chem., Jan 2008; 10.1074/jbc.M709629200; J. Biol. Chem., Apr 2008; 283: 9797 - 9804</p>	

<b>MEF wt</b>	
ATCCno. Or ECACCno.	Yujiri et al, J. Biol. Chem., Jan 2003; 278: 3846 - 3851
Source	14.5 day embryo
Morphology	fibroblast
Species	mouse

Growth Properties	adherent
References	
Results Summary	good: 1
<hr/> Markus Diefenbacher, Sylwia Sekula, Christine Heilbock, Jana V. Maier, Margarethe Litfin, Hans van Dam, Marc Castellazzi, Peter Herrlich, and Olivier Kassel (2008) Restriction to Fos family members of Trip6-dependent co-activation and GR-dependent trans-repression of AP-1. <i>Molecular Endocrinology</i> , Aug 2008, 22 (8): 1767-1780.	

<b>Melan-a</b>	
ATCCno. Or ECACCno.	Bennett et al, Int J Cancer 1987 Mar 15;39(3):414-8
Source	skin; immortalized murine melanocytes
Morphology	epithelial
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 2
<hr/> Personal communication	

<b>Melanoma cells, mouse</b>	
ATCCno. Or ECACCno.	
Source	
Morphology	
Species	mouse
Growth Properties	
References	
Results Summary	neutral: 1
<hr/> Personal communication	

<b>MeJuSo</b>	
ATCCno. Or ECACCno.	
Source	skin; melanoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	neutral: 2
<hr/> Personal communication	

<b>MEPA</b>	
ATCCno. Or ECACCno.	
Source	embryonic pharyngeal arch
Morphology	

Species	mouse
Growth Properties	
References	
Results Summary	good: 1
<p>Sabina Benko et al. (2009) Highly conserved non-coding elements on either side of SOX9 associated with Pierre Robin sequence. <i>Nature Genetics</i>, March 2009, 41(3), 359-364.</p>	

<b>MeWo</b>	
ATCCno. Or ECACCno.	ATCC® HTB-65™
Source	skin; melanoma; metastatic site: lymph node
Morphology	fibroblast
Species	human
Growth Properties	adherent
References	
Results Summary	good: 3
<p>Kyratsous, C. A., Silverstein, S. J. (2008) The co-chaperone BAG3 regulates Herpes Simplex Virus replication. <i>Proc Natl Acad Sci U S A</i>. 2008 Dec 30;105(52):20912-7.</p>	
<p>Christos A. Kyratsous and Saul J. Silverstein (2009) Components of Nuclear Domain 10 Bodies Regulate Varicella-Zoster Virus Replication. <i>J Virol</i>. 2009 May;83(9):4262-74.</p>	
<p>Christos A. Kyratsous, Matthew S. Walters, Christos A. Panagiotidis and Saul J. Silverstein (2009) Complementation of a Herpes Simplex Virus ICP0 null mutant 1 by Varicella Zoster Virus ORF61p. <i>J Virol</i>. 2009 Oct;83(20):10637-43.</p>	

<b>MG-63</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1427™
Source	osteosarcoma; bone
Morphology	fibroblast
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Anu Olkku, Anitta Mahonen (2009) Calreticulin mediated glucocorticoid receptor export is involved in beta-catenin translocation and Wnt signalling inhibition in human osteoblastic cells. <i>Bone</i>, April 2009, Vol. 44(4), 555-565.</p>	

<b>mhAT3F</b>	
ATCCno. Or ECACCno.	
Source	liver, hepatoma
Morphology	
Species	mouse
Growth Properties	
References	
Results Summary	neutral: 1

Personal communication
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<b>MIA PaCa-2</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1420™
Source	pancreas carcinoma
Morphology	attached epithelial with floating rounded cells
Species	human
Growth Properties	adherent, single cells and loosely attached clusters
References	
Results Summary	good: 2
<p>Archange C, Nowak J, Garcia S, Moutardier V, Calvo EL, Dagorn JC, Iovanna JL (2008) The WSB1 Gene Is Involved in Pancreatic Cancer Progression. PLoS ONE 3(6): e2475. doi:10.1371/journal.pone.0002475</p> <p>J. Roignot, D. Taieb, M. Suliman, N.J. Dusetti, J.L. Iovanna, P. Soubeyran (2009) CIP4 is a new ArgBP2 interacting protein that modulates the ArgBP2 mediated control of WAVE1 phosphorylation and cancer cell migration. Cancer Letters, Feb 2010, Volume 288, Issue 1, 116-123.</p>	

<b>Microglial cells</b>	
ATCCno. Or ECACCno.	
Source	brain
Morphology	
Species	mouse
Growth Properties	
References	
Results Summary	neutral: 2
Personal communication	

<b>MIN6</b>	
ATCCno. Or ECACCno.	
Source	in vivo immortalized insulin-secreting pancreatic beta cells
Morphology	
Species	mouse
Growth Properties	
References	
Results Summary	good: 1
<p>Chunli Shao and Melanie H. Cobb (2009) Sumoylation Regulates the Transcriptional Activity of MafA in Pancreatic beta Cells. J Biol Chem. 2009 Jan 30;284(5):3117-24.</p>	

<b>MKN-1</b>	
ATCCno. Or ECACCno.	
Source	gastric carcinoma
Morphology	

Species	human
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>MKN-28</b>	
ATCCno. Or ECACCno.	
Source	gastric carcinoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Menheniott TR, Peterson A, O'Connor L, Lee KS, Kalantzis A, Kondova I, Bontrop RE, Bell KM, Giraud AS (2010) A novel Gastrokine in mammals marks gastric atrophy and shows evidence of adaptive gene loss in humans. Gastroenterology. 2010 Feb 2;	

<b>MKN-45</b>	
ATCCno. Or ECACCno.	(DMSZ-No: ACC 409)
Source	gastric adenocarcinoma
Morphology	spindle-shaped, oval or single round
Species	human
Growth Properties	monolayers, or in suspension
References	
Results Summary	good: 1
Personal communication	

<b>MKN-7</b>	
ATCCno. Or ECACCno.	
Source	gastric carcinoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 3
Personal communication	

<b>mLTC-1</b>	
ATCCno. Or ECACCno.	
Source	testicle; disease: Leydig tumor



Morphology	
Species	mouse
Growth Properties	
<b>References</b>	
Results Summary	good: 1
<p>Hisayo Nishida, Shinichi Miyagawa, Maxence Vieux-Rochas, Monica Morini, Yukiko Ogino, Kentaro Suzuki, Naomi Nakagata, Hueng-Sik Choi, Giovanni Levi, and Gen Yamada (2008) Positive regulation of steroidogenic acute regulatory protein (StAR) gene expression through the interaction between Dlx and GATA-4 for testicular steroidogenesis. <i>Endocrinology</i>, Feb 2008; 10.1210/en.2007-1265; <i>Endocrinology</i>, May 2008; 149: 2090 - 2097</p>	

<b>MN9D</b>	
ATCCno. Or ECACCno.	
Source	embryo, mesencephalic dopaminergic cell line
Morphology	
Species	mouse
Growth Properties	
<b>References</b>	
Results Summary	good: 1
<p>Ole Valente Mortensen, Mads Breum Larsen, Balakrishna M. Prasad, and Susan G. Amara (2008) Genetic Complementation Screen Identifies a Mitogen-activated Protein Kinase Phosphatase, MKP3, as a Regulator of Dopamine Transporter Trafficking. <i>Mol. Biol. Cell</i>, Jul 2008; 19: 2818 - 2829</p>	

<b>MOLT-4</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1582™
Source	leukemia, acute lymphoblastic; T lymphoblast
Morphology	lymphoblast
Species	human
Growth Properties	suspension
<b>References</b>	
Results Summary	bad: 1
<p>Personal communication</p>	

<b>Moser</b>	
ATCCno. Or ECACCno.	
Source	colon carcinoma
Morphology	
Species	human
Growth Properties	
<b>References</b>	
Results Summary	bad: 1
<p>Personal communication</p>	

<b>MRC-5</b>	
ATCCno. Or ECACCno.	ATCC® CCL-171™
Source	lung
Morphology	fibroblast
Species	human
Growth Properties	monolayer
References	
Results Summary	good: 2
Personal communication	

<b>MS1</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2279™
Source	pancreas, islet of Langerhans
Morphology	endothelial
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 1
Personal communication	

<b>MTLn3</b>	
ATCCno. Or ECACCno.	
Source	mammary adenocarcinoma
Morphology	
Species	rat
Growth Properties	
References	
Results Summary	good: 1
Frank PL Lai, Malgorzata Szczodrak, Jennifer Block, Jan Faix, Dennis Breitsprecher, Hans G Mannherz, Theresia EB Stradal, Graham A Dunn, J Victor Small, Klemens Rottner (2008) Arp2/3 complex interactions and actin network turnover in lamellipodia. The EMBO Journal 27, 982 - 992 (09 Apr 2008), doi: 10.1038/emboj.2008.34, Article	

<b>Muscle cells, skeletal, human, hSkM</b>	
ATCCno. Or ECACCno.	
Source	skeletal muscle
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Zhong Q. Wang, William T. Cefalu, Xian H. Zhang, Yongmei Yu, Jianhua Qin, Leslie Son, Pamela M. Rogers, Nazar	

Mashtalir, Justin R. Bordelon, Jianping Ye, and Nikhil V. Dhurandhar (2008) Human Adenovirus Type 36 Enhances Glucose Uptake in Diabetic and Nondiabetic Human Skeletal Muscle Cells Independent of Insulin Signaling. *Diabetes*, Jul 2008; 57: 1805 - 1813

<b>MV3</b>	
ATCCno. Or ECACCno.	
Source	melanoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>MX-1</b>	
ATCCno. Or ECACCno.	
Source	breast cancer
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Kuei C. Lee, Bradford A. Moffat, Anne F. Schott, Rachel Layman, Steven Ellingworth, Rebecca Juliar, Amjad P. Khan, Mark Helvie, Charles R. Meyer, Thomas L. Chenevert, Alnawaz Rehemtulla, and Brian D. Ross (2007) Prospective Early Response Imaging Biomarker for Neoadjuvant Breast Cancer Chemotherapy. <i>Clin. Cancer Res.</i> , Jan 2007; 13: 443 – 450.	

<b>N/TERT-1</b>	
ATCCno. Or ECACCno.	
Source	skin
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>N1E-115</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2263™
Source	neuroblastoma
Morphology	neuronal
Species	mouse
Growth Properties	adherent

References	
Results Summary	good: 1
Personal communication	

<b>N20.1</b>	
ATCCno. Or ECACCno.	
Source	immortalized oligodendroglial cell line
Morphology	
Species	mouse
Growth Properties	
References	
Results Summary	good: 1
Shu-Ting Lin and Ying-Hui Fu (2009) miR-23 regulation of lamin B1 is crucial for oligodendrocyte development and myelination. <i>Dis. Model. Mech.</i> , Mar 2009; 2: 178-188.	

<b>NALM-6</b>	
ATCCno. Or ECACCno.	DMSZ-No: ACC 128
Source	peripheral blood of a 19-year-old man with acute lymphoblastic leukemia
Morphology	single, small, round cells in suspension
Species	human
Growth Properties	suspension
References	
Results Summary	good: 1
Personal communication	

<b>NAMALWA</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1432™
Source	B lymphocyte disease: Burkitt's lymphoma
Morphology	lymphoblast
Species	human
Growth Properties	suspension
References	
Results Summary	good: 1
Personal communication	

<b>NB2A</b>	
ATCCno. Or ECACCno.	Zimmerman and Piffaretti, <i>Naunyn Schmiedeberg's Arch Pharmacol.</i>
Source	neuroblastoma
Morphology	neuronal stem cells

Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 4
<p>Chen Chen and Mahendra Deonarain (2007) FuGENE HD Transfection Reagent Provides High Transfection Efficiency in the Murine NB2a Cell Line. <a href="#">BIOCHEMICA, No.4, 2007, p.20-21.</a></p>	
<p>Chen Chen and Mahendra Deonarain (2007) FuGENE HD Transfection Reagent Provides High Transfection Efficiency in the Murine NB2a Cell Line. <a href="#">BIOCHEMICA, No.4, 2007, p.20-21.</a></p>	

<b>NCI-2887</b>	
ATCCno. Or ECACCno.	
Source	lung cancer
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Shivapurkar N, Stastny V, Okumura N, Girard L, Xie Y, Prinsen C, Thunnissen FB, Wistuba II, Czerniak B, Frenkel E, Roth JA, Liloglou T, Xinarianos G, Field JK, Minna JD, Gazdar AF (2008) Cytoglobin, the Newest Member of the Globin Family, Functions as a Tumor Suppressor Gene. <i>Cancer Res.</i>, Sep 2008; 68: 7448 - 7456</p>	

<b>NCI-H1299</b>	
ATCCno. Or ECACCno.	ATCC® CRL-5803™
Source	carcinoma; non-small cell lung cancer
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 4
<p>Hao Yuan, Jun Zhou, Min Deng, Xi Liu, Morgane Le Bras, Hugues de The, Sai Juan Chen, Zhu Chen, Ting Xi Liu, Jun Zhu (2010) Small ubiquitin-related modifier paralogs are indispensable but functionally redundant during early development of zebrafish. <i>Cell Research</i>, 2010, 20:185–196.</p>	
<p>Toshinori Ozaki , Rintaro Okoshi, Sayaka Ono, Natsumi Kubo, Akira Nakagawara (2009) Dereglated expression of E2F1 promotes proteolytic degradation of tumor suppressor p73 and inhibits its transcriptional activity. <i>Biochemical and Biophysical Research Communications</i>, 2009, 387, 143-148.</p>	
<p>Da-Qiang Li, Sirigiri Divijendra Natha Reddy, Suresh B. Pakala, Xifeng Wu, Yanping Zhang, Suresh K. Rayala, and Rakesh Kumar (2009) MTA1 Coregulator Regulates p53 Stability and Function. <i>J. Biol. Chem.</i>, Dec 2009; 284: 34545-34552.</p>	
<p>Aditi Chatterjee, Xiaofei Chang, Tanusree Sen, Rajani Ravi, Atul Bedi, and David Sidransky (2010) Regulation of p53 Family Member Isoform deltaNp63alpha by the Nuclear Factor-kappaB Targeting Kinase IkappaB Kinase beta. <i>Cancer Res.</i>, Feb 2010; 70: 1419-1429.</p>	

<b>NCI-H157</b>	
ATCCno. Or ECACCno.	
Source	lung adenocarcinoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>NCI-H2228</b>	
ATCCno. Or ECACCno.	ATCC® CRL-5935™
Source	lung; adenocarcinoma; non-small cell lung cancer
Morphology	
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
Shivapurkar N, Stastny V, Okumura N, Girard L, Xie Y, Prinsen C, Thunnissen FB, Wistuba II, Czerniak B, Frenkel E, Roth JA, Liloglou T, Xinarianos G, Field JK, Minna JD, Gazdar AF (2008) Cytoglobin, the Newest Member of the Globin Family, Functions as a Tumor Suppressor Gene. <i>Cancer Res.</i> , Sep 2008; 68: 7448 - 7456	

<b>NCI-H23 [H23]</b>	
ATCCno. Or ECACCno.	ATCC® CRL-5800™
Source	lung; adenocarcinoma; non-small cell lung cancer
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
Malin Wickström et al. (2010) The alkylating prodrug J1 can be activated by aminopeptidase N, leading to a possible target directed release of melphalan. <i>Biochemical Pharmacology</i> , Jan 2010, Article in press.	

<b>NCI-H441 [H441]</b>	
ATCCno. Or ECACCno.	ATCC® HTB-174™
Source	lung; papillary adenocarcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2

Haishan Xu and Shijian Chu (2007) ENaC alpha-subunit variants are expressed in lung epithelial cells and are suppressed by oxidative stress. *Am J Physiol Lung Cell Mol Physiol*. 2007 Dec;293(6):L1454-62.

Ma Y, Xu L, Rodriguez-Agudo D, Li X, Heuman DM, Hylemon PB, Pandak WM, Ren S (2008) 25-Hydroxycholesterol-3-sulfate regulates macrophage lipid metabolism via the LXR/SREBP-1 signaling pathway. *Am J Physiol Endocrinol Metab*, Dec 2008; 295: E1369 - E1379

#### NCI-H460

ATCCno. Or ECACCno.	ATCC® HTB-177™
Source	large cell lung cancer (pleural effusion)
Morphology	epithelial
Species	human
Growth Properties	adherent

#### References

Results Summary good: 3

Dongmei Su, Shan Zhu, Xuefang Han, Yunpeng Feng, Hui Huang, Guoling Ren, Lina Pan, Yu Zhang, Jun Lu, and Baiqu Huang (2009) BMP4-Smad Signaling Pathway Mediates Adriamycin-induced Premature Senescence in Lung Cancer Cells. *The Journal of Biological Chemistry*, Vol. 284, No. 18, 12153–12164, May 1, 2009.

#### NCI-H596

ATCCno. Or ECACCno.	ATCC® HTB-178™
Source	lung, adenosquamous carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent

#### References

Results Summary good: 1

F S Falvella, F Colombo, M Spinola, M Campiglio, U Pastorino, T A Dragani (2008) BHLHB3: a candidate tumor suppressor in lung cancer. *Oncogene* (2008), 1–4; *Oncogene advance online publication*, 28 January 2008; doi:10.1038/sj.onc.1211038

#### NCI-H661

ATCCno. Or ECACCno.	ATCC® HTB-183™
Source	large cell lung cancer (lymph node)
Morphology	epithelial
Species	human
Growth Properties	adherent

#### References

Results Summary good: 2

Clarhaut J, Gemmill RM, Potiron VA, Ait-Si-Ali S, Imbert J, Drabkin HA, Roche J (2009) ZEB-1, a Repressor of the Semaphorin 3F Tumor Suppressor Gene in Lung Cancer Cells. *Neoplasia*, Volume 11, Number 2, February 2009, pp. 157-166.

<b>NCI-H69 [H-69]</b>	
ATCCno. Or ECACCno.	ATCC® HTB-119™
Source	small cell lung cancer
Morphology	floating aggregates
Species	human
Growth Properties	suspension, multicell
References	
Results Summary	good: 3
<p>Rajani Kanteti, Vidya Nallasura, Sivakumar Loganathan, Maria Tretiakova, Todd Kroll, Soundararajan Krishnaswamy, Leonardo Faoro, Philip Cagle, Aliya N Husain, Everett E Vokes, Deborah Lang and Ravi Salgia (2009) PAX5 is expressed in small-cell lung cancer and positively regulates c-Met transcription. <i>Lab Invest.</i>, Mar 2009; 89(3):301-314.</p>	
<p>Steven P. O'Hara, Aaron J. Small, Gabriella B. Gajdos, Andrew D. Badley, Xian-Ming Chen, and Nicholas F. LaRusso (2009) HIV-1 Tat protein suppresses cholangiocyte toll-like receptor 4 expression and defense against <i>Cryptosporidium parvum</i>. <i>J Infect Dis.</i> 2009 Apr 15;199(8):1195-204.</p>	
<p>Steven P. O'Hara, Patrick L. Splinter, Gabriella B. Gajdos, Christy E. Trussoni, Martin E. Fernandez-Zapico, Xian-Ming Chen, and Nicholas F. LaRusso (2010) NF B p50-CCAAT/Enhancer-binding Protein beta (C/EBPbeta)-mediated Transcriptional Repression of MicroRNA let-7i following Microbial Infection. <i>J. Biol. Chem.</i>, Jan 2010; 285: 216-225.</p>	

<b>NCI-H929</b>	
ATCCno. Or ECACCno.	ATCC® CRL-9068™
Source	bone marrow (plasmacytoma; myeloma), B-lymphocytes
Morphology	lymphoblast
Species	human
Growth Properties	suspension
References	
Results Summary	good: 1
<p>Personal communication</p>	

<b>NCI-N87 [N87]</b>	
ATCCno. Or ECACCno.	ATCC® CRL-5822™
Source	stomach, gastric carcinoma; metastatic site: liver
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	

<b>Neuro-2a</b>
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ATCCno. Or ECACCno.	ATCC® CCL-131™
Source	neuroblastoma; brain; neuroblast
Morphology	neuronal and amoeboid stem cells
Species	mouse
Growth Properties	monolayer
<b>References</b>	
Results Summary	good: 5 bad: 1
<p>Chueh-Ling Kuo, George Oyler, Charles B. Shoemaker (2009) Lipid and cationic polymer based transduction of botulinum holotoxin, or toxin protease alone, extends the target cell range and improves the efficiency of intoxication. <i>Toxicon</i>, Volume 55, Issues 2-3, February-March 2010, Pages 619-629 (via <a href="http://www.sciencedirect.com">www.sciencedirect.com</a>)</p>	

<b>Neurons, SCG</b>	
ATCCno. Or ECACCno.	
Source	superior cervical ganglia (SCG) neurons
Morphology	
Species	
Growth Properties	
<b>References</b>	
Results Summary	good: 1
<p>Armaz Aschrafi, Orlandie Natera-Naranjo, Anthony E. Gioio, Barry B. Kaplan (2010) Regulation of axonal trafficking of cytochrome c oxidase IV mRNA. <i>Molecular and Cellular Neuroscience</i>, In Press;</p>	

<b>NIH/3T3</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1658™
Source	embryo
Morphology	fibroblast
Species	mouse (NIH)
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 31 neutral: 1 bad: 4
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	
<p>Ana C. D'Alessio, Stephen D. Andrews, Rebecca A. McKinney, and Moshe Szyf (2007) Transfecting Mouse Fibroblast NIH 3T3 Cells with Lipid Reagents - A Comparative Study. <i>BIOCHEMICA</i>, No.4, 2007, p.18-19.</p>	
<p>Chen Li, Jianzhong Han, Lian Li, Shaojie Yue, Jinfeng Li, Dandan Feng, Huijun Liu, Dejian Jiang, Xiaoqun Qin and Ziqiang Luo (2007) Interaction of antinflammin-1 with uteroglobin-binding protein induces phosphorylation of ERK1/2 in NIH 3T3 cells. <i>Peptides</i>, Nov 2007, 28(11): 2137–2145.</p>	
<p>Judith K. Davie, Jang-Hyeon Cho, Eric Meadows, Jesse M. Flynn, Jennifer R. Knapp and William H. Klein (2007) Target gene selectivity of the myogenic basic helix–loop–helix transcription factor myogenin in embryonic muscle. <i>Developmental Biology</i> 311: 650–664.</p>	

Shoji Hisada-Ishii, Mizuki Ebihara, Nao Kobayashi and Yasuo Kitagawa (2007) Bipartite nuclear localization signal of matrin 3 is essential for vertebrate cells. *Biochemical and Biophysical Research Communications*, Volume 354, Issue 1, 2 March 2007, Pages 72-76.

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Cardone RA, Busco G, Greco MR, Bellizzi A, Accardi R, Cafarelli A, Monterisi S, Carratu P, Casavola V, Paradiso A, Tommasino M, Reshkin SJ (2008) HPV16 E7-Dependent Transformation Activates NHE1 through a PKA-RhoA-Induced Inhibition of p38alpha. *PLoS ONE* 3(10): e3529. doi:10.1371/journal.pone.0003529

Lo IC, Lin TM, Chou LH, Liu SL, Wu LW, Shi GY, Wu HL, Jiang MJ (2009) Ets-1 mediates platelet-derived growth factor-BB-induced thrombomodulin expression in human vascular smooth muscle cells. *Cardiovasc Res.* 2009 Mar 1;81(4):771-9. Epub 2008 Dec 17

Kancha RK, von Bubnoff N, Peschel C, and Duyster J (2009) Functional Analysis of Epidermal Growth Factor Receptor (EGFR) Mutations and Potential Implications for EGFR Targeted Therapy. *Clin Cancer Res* 2009;15(2) January 15

Doran AC, Meller N, Cutchins A, Deliri H, Slayton RP, Oldham SN, Kim JB, Keller SR, McNamara CA (2008) The Helix Loop Helix Factors Id3 and E47 Are Novel Regulators of Adiponectin. *Circ Res.*, 2008 Sep 12;103(6):624-34.

Koh YK, Lee MY, Kim JW, Kim M, Moon JS, Lee YJ, Ahn YH, and Kim KS (2008) Lipin1 Is a Key Factor for the Maturation and Maintenance of Adipocytes in the Regulatory Network with CCAAT/Enhancer-binding Protein and Peroxisome Proliferator-activated Receptor Lambda2. *J. Biol. Chem.*, Dec 2008; 283: 34896 - 34906

Haruki Shirato, Satoko Ogawa, Kuniko Nakajima, Masayo Inagawa, Mizuyo Kojima, Makoto Tachibana, Yoichi Shinkai, and Takashi Takeuchi (2009) A Jumonji (Jarid2) Protein Complex Represses cyclin D1 Expression by Methylation of Histone H3-K9. *The Journal of Biological Chemistry*, January 2009, Vol 284, No 2, 733-739.

Michael E. Hughes, Luciano DiTacchio, Kevin R. Hayes, Christopher Vollmers, S. Pulivarthy, Julie E. Baggs, Satchidananda Panda, John B. Hogenesch (2009) Harmonics of Circadian Gene Transcription in Mammals. *PLoS Genet* 5(4): e1000442. doi:10.1371/journal.pgen.1000442

Nishioka et al. (2009) The Hippo Signaling Pathway Components Lats and Yap Pattern Tead4 Activity to Distinguish Mouse Trophoblast from Inner Cell Mass. *Developmental Cell*, March 2009, Volume 16, Issue 3, 398-410.

Manuele Castelnovo, Massimiliano Monticone, Sara Massone Irene Vassallo, Federico Tortelli, Ranieri Cancedda, and Aldo Pagano (2009) Rolly Protein (ROLP)-Epb4.1/3: A Potential Protein-Protein Interaction Relevant for the Maintenance of Cell Adhesion. *Int. J. Mol. Sci.* 2009, 10, 2054-2065.

Jianxin A. Yu, Nicholas O. Deakin, Christopher E. Turner (2009) Paxillin-Kinase-Linker Tyrosine Phosphorylation Regulates Directional Cell Migration. *Mol. Biol. Cell*, Nov 2009; 20: 4706-4719.

Koji Ono et al. (2009) Potential pathophysiological role of d-amino acid oxidase in schizophrenia: immunohistochemical and in situ hybridization study of the expression in human and rat brain. *J Neural Transm.* 2009

Oct;116(10):1335-47.

<b>NIH/3T3, ras-transformed</b>	
ATCCno. Or ECACCno.	
Source	embryo
Morphology	fibroblast
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Ana C. D'Alessio, Stephen D. Andrews, Rebecca A. McKinney, and Moshe Szyf (2007) Transfecting Mouse Fibroblast NIH 3T3Cells with Lipid Reagents - A Comparative Study. <a href="#">BIOCHEMICA, No.4, 2007, p.18-19.</a></p>	

<b>NPC-TW06</b>	
ATCCno. Or ECACCno.	Lin et al., Lab Invest. 1993 Jun;68(6):716-27.
Source	nasopharyngeal carcinoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Shu-Chen Liu, Yee-Min Jen, Shih Sheng Jiang, Junn-Liang Chang, Chao A. Hsiung, Chih-Hung Wang, and Jyh-Lyh Juang (2009) Galpha12-Mediated Pathway Promotes Invasiveness of Nasopharyngeal Carcinoma by Modulating Actin Cytoskeleton Reorganization. <i>Cancer Research</i>, 2009 Aug 1;69(15):6122-6130.</p>	

<b>NPTX</b>	
ATCCno. Or ECACCno.	
Source	immortalized non-malignant prostate epithelial cells
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Wang X, Di K, Zhang X, Han HY, Wong YC, Leung SC, Ling MT (2009) Id-1 promotes chromosomal instability through modification of APC/C activity during mitosis in response to microtubule disruption. <i>Oncogene</i>. 2008 Jul 24;27(32):4456-66.</p>	

<b>NRK-49F</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1570™
Source	normal kidney
Morphology	fibroblast
Species	rat
Growth Properties	adherent

References	
Results Summary	good: 1
Personal communication	

<b>NS0</b>	
ATCCno. Or ECACCno.	ECACC-No: 85110503
Source	myeloma
Morphology	lymphoblast
Species	mouse
Growth Properties	suspension
References	
Results Summary	good: 1
Personal communication	

<b>OCM-1</b>	
ATCCno. Or ECACCno.	
Source	eye; uveal melanoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>OECM-1</b>	
ATCCno. Or ECACCno.	
Source	oral epidermoid carcinoma cell line [Meng-1 (OECM-1) OSCC]
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Lai KC, Chang KW, Liu CJ, Kao SY, and Lee TC (2008) IFN-Induced Protein with Tetratricopeptide Repeats 2 Inhibits Migration Activity and Increases Survival of Oral Squamous Cell Carcinoma. Mol. Cancer Res., Sep 2008; 6: 1431 - 1439	

<b>OP9</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2749™
Source	bone marrow, stroma
Morphology	fibroblast
Species	mouse

Growth Properties	adherent
References	
Results Summary	good: 1
<p>Doran AC, Meller N, Cutchins A, Deliri H, Slayton RP, Oldham SN, Kim JB, Keller SR, McNamara CA (2008) The Helix Loop Helix Factors Id3 and E47 Are Novel Regulators of Adiponectin. <i>Circ Res.</i>, 2008 Sep 12;103(6):624-34.</p>	

<b>OSCC/PCI-13</b>	
ATCCno. Or ECACCno.	Heo, D.S. et al. (1989) <i>Cancer Res.</i> , 49, 5167–5175.
Source	oral squamous carcinoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Albert Dowejko, Richard J.Bauer, Urs D.A.Müller-Richter and Torsten E.Reichert (2009) The human homolog of the Drosophila headcase protein slows down cell division of head and neck cancer cells. <i>Carcinogenesis</i>, Vol.30, No.10 pp.1678-1685, 2009.</p>	

<b>OSCC/PCI-52</b>	
ATCCno. Or ECACCno.	
Source	oral squamous carcinoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Karin Bauer, Albert Dowejko, A.-K.Bosserhoff, T.E.Reichert and Richard Josef Bauer (2009) P-cadherin induces an epithelial-like phenotype in oral squamous cell carcinoma by GSK-3beta-mediated Snail phosphorylation. <i>Carcinogenesis</i>, 2009, Vol. 30, No.10, 1781-1788.</p>	

<b>OVCAR-3 [NIH:OVCAR-3]</b>	
ATCCno. Or ECACCno.	ATCC® HTB-161™
Source	adenocarcinoma (ovary)
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Christian Klausen, Peter C.K. Leung and Nelly Auersperg (2009) Cell Motility and Spreading Are Suppressed by HOXA4 in Ovarian Cancer Cells: Possible Involvement of beta1 Integrin. <i>Mol Cancer Res.</i> 2009 Sep;7(9):1425-37.</p>	

**P19**

ATCCno. Or ECACCno.	
Source	embryonal teratocarcinoma
Morphology	
Species	mouse
Growth Properties	
<b>References</b>	
Results Summary	good: 3
<p>Xia Gao, Hong-Yu Tian, Li Liu, Mei-Lan Yu, Nai-He Jing, and Fu-Kun Zhao (2009) Comparative Proteomic Analysis of Proteins Involved in Cell Aggregation during Neural Differentiation of P19 Mouse Embryonic Carcinoma Cells. <i>J. Proteome Res.</i>, 2009, 8 (4), 1765-1781.</p>	
<p>Xia Gao, Hong-Yu Tian, Li Liu, Mei-Lan Yu, Nai-He Jing, and Fu-Kun Zhao (2009) Comparative Proteomic Analysis of Proteins Involved in Cell Aggregation during Neural Differentiation of P19 Mouse Embryonic Carcinoma Cells. <i>J. Proteome Res.</i>, 2009, 8 (4), 1765-1781.</p>	
<p>Akiko Suga, Masanori Taira, Shinichi Nakagawa (2009) LIM family transcription factors regulate the subtype-specific morphogenesis of retinal horizontal cells at post-migratory stages. <i>Developmental Biology</i>, Vol. 330(2), 15 June 2009, 318-328.</p>	

<b>P388/ADR</b>	
ATCCno. Or ECACCno.	
Source	blood; leukemia
Morphology	
Species	mouse
Growth Properties	
<b>References</b>	
Results Summary	good: 2
<p>Personal communication</p>	

<b>P3X63Ag8.653</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1580™
Source	B lymphoblast; plasmacytoma, myeloma
Morphology	lymphoblast
Species	mouse
Growth Properties	suspension
<b>References</b>	
Results Summary	bad: 1
<p>Personal communication</p>	

<b>P493</b>	
ATCCno. Or ECACCno.	
Source	Burkitt's lymphoma cell line
Morphology	
Species	human

<b>Growth Properties</b>	
<b>References</b>	
Results Summary	good: 1
Personal communication	

<b>PAC2</b>	
ATCCno. Or ECACCno.	Shuning He et al., Zebrafish, 2006, Vol. 3, No. 4, 441-453.
Source	1 day old embryo
Morphology	fibroblast
Species	Danio rerio (zebrafish)
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 1
Niklas Senghaas and Reinhard W. Köster (2009) Culturing and Transfecting Zebrafish PAC2 Fibroblast Cells. Cold Spring Harb. Protoc.;2009 Jun;2009(6):pdb.prot5235.	

<b>PANC-1</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1469™
Source	pancreas; duct; epithelioid carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 2
See also <a href="#">Cell-type specific protocols and data</a>	
Archange C, Nowak J, Garcia S, Moutardier V, Calvo EL, Dagorn JC, Iovanna JL (2008) The WSB1 Gene Is Involved in Pancreatic Cancer Progression. PLoS ONE 3(6): e2475. doi:10.1371/journal.pone.0002475	

<b>ParC5/ParC10</b>	
ATCCno. Or ECACCno.	
Source	salivary parotid gland; acinar cell lines transformed with SV40
Morphology	
Species	rat
Growth Properties	
<b>References</b>	
Results Summary	good: 1
Clint Perry, Olga J. Baker, Mary E. Reyland, and Irina I. Grichtchenko (2009) PKC $\alpha$ and PKC $\delta$ -dependent endocytosis of NBCe1-A and NBCe1-B in salivary parotid acinar cells. Am J Physiol Cell Physiol, Dec 2009; 297: C1409-C1423.	

<b>PAZ6</b>
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ATCCno. Or ECACCno.	
Source	adipose tissue
Morphology	adipocyte
Species	human
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>PC-12</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1721™
Source	adrenal gland; pheochromocytoma
Morphology	small irregularly shaped cells
Species	rat
Growth Properties	floating clusters; few scattered lightly attached cells
References	
Results Summary	good: 4 bad: 1
Guangdun Peng, Mei Han, Yimin Du, Anning Lin, Lei Yu, Yuqiu Zhang, and Naihe Jing (2009) SIP30 Is Regulated by ERK in Peripheral Nerve Injury-induced Neuropathic Pain. The Journal of Biological Chemistry, Oct 2009, Vol. 284, No. 44, 30138-30147.	

<b>PC-12, NGF-differentiated</b>	
ATCCno. Or ECACCno.	PC-12 cells treated for several days with nerve growth factor (NGF)
Source	pheochromocytoma; adrenal gland
Morphology	
Species	rat
Growth Properties	
References	
Results Summary	good: 1
Alice Gardner, Max Bohlke (2009) Transfection of nerve-growth factor differentiated PC12 cells with FuGENE® HD Transfection Reagent. <a href="#">BIOCHEMICA, No. 1, 2009, p. 14-16.</a>	

<b>PC-3</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1435™
Source	prostate; adenocarcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent; cells form clusters in soft agar and can be adapted to suspension growth
References	
Results Summary	good: 10



See also [Cell-type specific protocols and data](#)

Phillip J. Gray, Jr., Mary Ann Stevenson, and Stuart K. Calderwood (2007) Targeting Cdc37 Inhibits Multiple Signaling Pathways and Induces Growth Arrest in Prostate Cancer Cells. *Cancer Res.*, Dec 2007; 67: 11942 - 11950

Naoto Miyajima, Satoru Maruyama, Miyuki Bohgaki, Satoshi Kano, Masahiko Shigemura, Nobuo Shinohara, Katsuya Nonomura, and Shigetsugu Hatakeyama (2008) TRIM68 Regulates Ligand-Dependent Transcription of Androgen Receptor in Prostate Cancer Cells. *Cancer Res.*, May 2008; 68: 3486 - 3494

S Kaulfuß, S von Hardenberg, S Schweyer, AM Herr, F Laccone, S Wolf and P Burfeind (2009) Leupaxin acts as a mediator in prostate carcinoma progression through deregulation of p120catenin expression. *Oncogene*, 2009 Nov 12;28(45):3971-82.

Weiwen Chen, Weifang Wu, Jian Zhao, Chunxiao Yu, Wenwen Liu, Anli Jiang and Jianye Zhang (2009) Molecular cloning and preliminary analysis of the human alpha-methylacyl-CoA racemase promoter. *Mol Biol Rep.* 2009 Mar;36(3):423-30.

<b>PEA 10</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2215™
Source	fibroblast; LRP-deficient
Morphology	fibroblast
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Alban Gaultier, Sanja Arandjelovic, Sherry Niessen, Cheryl D. Overton, MacRae F. Linton, Sergio Fazio, W. Marie Campana, Benjamin F. Cravatt, III, and Steven L. Gonias (2008) Regulation of tumor necrosis factor receptor-1 and the IKK-NF-B pathway by LDL receptor-related protein explains the antiinflammatory activity of this receptor. <i>Blood</i>, Jun 2008, 111, 5316-5325.</p>	

<b>Phoenix</b>	
ATCCno. Or ECACCno.	Retroviral Packaging line
Source	kidney; transformed with adenovirus 5 DNA
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Personal communication</p>	

<b>Phoenix A (phoenix amphotropic)</b>	
ATCCno. Or ECACCno.	Retrovirus Producer Line for generation of helper free amphotropic retroviruses
Source	second-generation line based on 293 T cells (transformed embryonic kidney line)

Morphology	
Species	human
Growth Properties	
<b>References</b>	
Results Summary	good: 1
<p>Anita N. Stumpf, Edith D. van der Meijden, Cornelis A.M. van Bergen, Roel Willemze, J. H. Frederik Falkenburg and Marieke Griffioen (2009) Identification of four new HLA-DR restricted minor histocompatibility antigens as hematopoietic targets in anti-tumor immunity. <i>Blood</i>. 2009 Oct 22;114(17):3684-92.</p>	

<b>Phoenix Eco (phoenix ecotropic)</b>	
ATCCno. Or ECACCno.	Retrovirus Producer Line for generation of helper free ecotropic retroviruses
Source	second-generation line based on 293 T cells (transformed embryonic kidney line)
Morphology	
Species	human
Growth Properties	
<b>References</b>	
Results Summary	good: 1
<p>Nina Rind et al. (2010) A severe human metabolic disease caused by deficiency of the endoplasmic mannosyltransferase hALG11 leads to congenital disorder of glycosylation-Ip. <i>Hum. Mol. Genet.</i>, Feb 2010; 10.1093/hmg/ddq016.</p>	

<b>Plat-E (Platinum-E)</b>	
ATCCno. Or ECACCno.	packaging cell line: Morita et al., <i>GeneTherapy</i> , June 2000, Vol. 7, No. 12, 1063-1066
Source	kidney
Morphology	
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 8 neutral: 1
<p>Hitomi Nishinakamura, Yasumasa Minoda, Kazuko Saeki, Keiko Koga, Giichi Takaesu, Masafumi Onodera, Akihiko Yoshimura, and Takashi Kobayashi (2007) An RNA-binding protein aCP-1 is involved in the STAT3-mediated suppression of NF-kB transcriptional activity. <i>Int. Immunol.</i>, May 2007; 19: 609 – 619.</p>	
<p>Lily I. Jiang, Julie Collins, Richard Davis, Iain D. Fraser, and Paul C. Sternweis (2008) Regulation of cAMP responses by the G12/13 pathway converges on adenylyl cyclase VII. <i>J. Biol. Chem.</i>, Aug 2008; 283: 23429-23439.</p>	
<p>Akihiko Ishimura, Minoru Terashima, Hiroshi Kimura, Keiko Akagi, Yutaka Suzuki, Sumio Sugano, Takeshi Suzuki (2009) Jmjd2c histone demethylase enhances the expression of Mdm2 oncogene. <i>Biochemical and Biophysical Research Communications</i>, 2009, 389, 366-371.</p>	
<p>Kazuyoshi Kohu et al. (2009) The Runx3 Transcription Factor Augments Th1 and Down-Modulates Th2 Phenotypes by Interacting with and Attenuating GATA3. <i>J. Immunol.</i>, Dec 2009; 183: 7817-7824.</p>	

<b>PNT1A</b>	
ATCCno. Or ECACCno.	
Source	prostate normal cells
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
Personal communication	

<b>PT-67</b>	
ATCCno. Or ECACCno.	ATCC® CRL-12284™
Source	10A1-based retrovirus packaging cell line
Morphology	fibroblast
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 2
Melissa Donigan, Bryan D. Loh, Laurie S. Norcross, Shuan Li, Paul R. Williamson, Samuel DeJesus, Andrea Ferrara, Joseph T. Gallagher, Cheryl H. Baker (2010) A metastatic colon cancer model using nonoperative transanal rectal injection. <i>Surgical Endoscopy</i> , Mar 2010, Vol. 24, No. 3, 642-647.	

<b>QCI-3</b>	
ATCCno. Or ECACCno.	
Source	
Morphology	
Species	quail, Japanese
Growth Properties	
References	
Results Summary	good: 1
Heather L. Wiegand and Bryan R. Cullen (2007) Inhibition of Alpharetrovirus Replication by a Range of Human APOBEC3 Proteins. <i>J. Virol.</i> , Dec 2007; 81: 13694 - 13699.	

<b>QM5</b>	
ATCCno. Or ECACCno.	Tran et al., 2009, <i>Current Protocols in Microbiology</i> , DOI: 10.1002/9780471729259.mca04gs14
Source	muscle; fibrosarcoma
Morphology	myoblast
Species	quail, Japanese
Growth Properties	adherent
References	
Results Summary	good: 1

J. Kortekaas, A. Dekker, S.M. de Boer, K. Weerdmeester, R.P.M. Vloet, A.A.C. de Wit, B.P.H. Peeters, R.J.M. Moormann (2010) Intramuscular inoculation of calves with an experimental Newcastle disease virus-based vector vaccine elicits neutralizing antibodies against Rift Valley fever virus. *Vaccine*, Jan 2010, Article in press

<b>Raji</b>	
ATCCno. Or ECACCno.	ATCC® CCL-86™
Source	Burkitt's lymphoma, B lymphocyte
Morphology	lymphoblast
Species	human
Growth Properties	suspension
References	
Results Summary	bad: 1
Personal communication	

<b>Rat-1</b>	
ATCCno. Or ECACCno.	Giguere and Gospodarowicz, <i>Cancer Res</i> 1983 May;43(5):2121-30
Source	fibroblast
Morphology	epithelial
Species	rat
Growth Properties	adherent
References	
Results Summary	good: 1
Suzuki T, Elias BC, Setha A, Shenc L, Turner JR, Giorgianni F, Desiderio D, Guntaka R, and Rao R (2009) PKCtheta regulates occludin phosphorylation and epithelial tight junction integrity. <i>PNAS</i> , Vol. 106 No.1, 61-66.	

<b>RAW</b>	
ATCCno. Or ECACCno.	Wiesel et al (2000) <i>J. Biol. Chem.</i> 275: 24840-24846.
Source	
Morphology	monocyte/macrophage
Species	mouse
Growth Properties	
References	
Results Summary	good: 1
Sheetal Sharma, Nicole Kulk, Marcel F. Nold, Ralph Gräf, Soo-Hyun Kim, Dietrich Reinhardt, Charles A. Dinarello, and Philip Bufler (2008) The IL-1 Family Member 7b Translocates to the Nucleus and Down-Regulates Proinflammatory Cytokines. <i>J. Immunol.</i> , Apr 2008; 180: 5477 - 5482	

<b>RAW 264</b>	
ATCCno. Or ECACCno.	
Source	ascites, tumor
Morphology	monocyte/macrophage
Species	mouse

Growth Properties	
References	
Results Summary	good: 2
<p>Junichiro Sonoda, Josee Laganieri, Isaac R. Mehl, Grant D. Barish, Ling-Wa Chong, Xiangli Li, Immo E. Scheffler, Dennis C. Mock, Alain R. Bataille, Francois Robert, Chih-Hao Lee, Vincent Giguere, and Ronald M. Evans (2007) Nuclear receptor ERR and coactivator PGC-1 are effectors of IFN-gamma-induced host defense. <i>Int. Immunol.</i>, Aug 2007; 19: 935-942.</p>	
<p>Kei-ichi Sugiyama, Masashi Muroi, Ken-ichi Tanamoto, Motohiro Nishijima, Yoshiko Sugita-Konishi (2010) Deoxynivalenol and nivalenol inhibit lipopolysaccharide-induced nitric oxide production by mouse macrophage cells. <i>Toxicology Letters</i>, Feb 2010, Volume 192, Issue 2, 150-154.</p>	

<b>RAW 264.7</b>	
ATCCno. Or ECACCno.	ATCC® TIB-71™
Source	ascites; tumor induced by Abelson murine leukemia virus
Morphology	monocyte/macrophage
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 37 neutral: 2 bad: 2
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	
<p>Young Jin Cho, Jess M. Cunnick, Sun-Ju Yi, Vesa Kaartinen, John Groffen, and Nora Heisterkamp (2007) Abr and Bcr, Two Homologous Rac GTPase-Activating Proteins, Control Multiple Cellular Functions of Murine Macrophages. <i>Mol. Cell. Biol.</i>, Feb 2007; 27: 899 – 911.</p>	
<p>Tomokazu Nagao, Chunbo Qin, Inna Grosheva, Frederick R. Maxfield, and Lynda M. Pierini (2007) Elevated Cholesterol Levels in the Plasma Membranes of Macrophages Inhibit Migration by Disrupting RhoA Regulation. <i>Arterioscler. Thromb. Vasc. Biol.</i>, May 2007; 10.1161/ATVBAHA.107.145086.</p>	
<p>Hitomi Nishinakamura, Yasumasa Minoda, Kazuko Saeki, Keiko Koga, Giichi Takaesu, Masafumi Onodera, Akihiko Yoshimura, and Takashi Kobayashi (2007) An RNA-binding protein aCP-1 is involved in the STAT3-mediated suppression of NF-kB transcriptional activity. <i>Int. Immunol.</i>, May 2007; 19: 609 – 619.</p>	
<p>Moriyasu Yamauchi, Masayuki Hashimoto, Kenji Ichiyama, Ryoko Yoshida, Toshikatsu Hanada, Tatsushi Muta, Shizuo Komune, Takashi Kobayashi, and Akihiko Yoshimura (2007) Ifi202, an IFN-inducible candidate gene for lupus susceptibility in NZB/W F1 mice, is a positive regulator for NF-B activation in dendritic cells. <i>Int. Immunol.</i>, Aug 2007; 19: 935 - 942.</p>	
<p>Linda Jacobsen and Peyton Hughes (2007) Effects of Passage Number on cell Line Transfection. <a href="#">BIOCHEMICA, No.3, 2007, p.32</a></p>	
<p>Jing Wang, Su Wu, Xin Jin, Mingtao Li, Shiyong Chen, Jessica L. Teeling, V. Hugh Perry, and Jun Gu (2008) Retinoic Acid-Inducible Gene-I Mediates Late Phase Induction of TNF- by Lipopolysaccharide. <i>J. Immunol.</i>, Jun 2008; 180: 8011 - 8019</p>	

Carol Ho Yan Fong, Magali Bebien, Arnaud Didierlaurent, Ruth Nebauer, Tracy Hussell, David Broide, Michael Karin, and Toby Lawrence (2008) An antiinflammatory role for IKK $\beta$  through the inhibition of "classical" macrophage activation. *J. Exp. Med.*, Jun 2008; 205: 1269 - 1276

Susan Calvin, Simone Pitz, and Linda Jacobsen (2008) High-Performance shRNA-based Gene Knockdown Using FuGENE<sup>®</sup> HD Transfection Reagent. [BIOCHEMICA, No.2, 2008, p. 15-18](#)

Huynh KK, Gershenson E, and Grinstein S (2008) Cholesterol Accumulation by Macrophages Impairs Phagosome Maturation. *J. Biol. Chem.*, Vol. 283, Issue 51, 35745-35755, December 19, 2008

Larabee JL, DeGiusti K, Regens JL, and Ballard JD (2008) Bacillus anthracis Edema Toxin Activates Nuclear Glycogen Synthase Kinase 3?. *Infection and Immunity*, November 2008, p. 4895-4904, Vol. 76, No. 11

Shi CS and Kehrl JH (2008) MyD88 and Trif Target Beclin 1 to Trigger Autophagy in Macrophages. *J. Biol. Chem.*, Nov 2008; 283: 33175-33182.

Justin P. Edwards, Xia Zhang, and David M. Mosser (2009) The Expression of Heparin-Binding Epidermal Growth Factor-Like Growth Factor by Regulatory Macrophages. *The Journal of Immunology*, Feb 2009, 182: 1929-1939.

Souzan Armstrong, Alexey Pereverzev, S. Jeffrey Dixon and Stephen M. Sims (2009) Activation of P2X7 receptors causes isoform-specific translocation of protein kinase C in osteoclasts. *J. Cell Sci.*, Jan 2009; 122: 136 - 144.

Keiko Koga, Giichi Takaesu, Ryoko Yoshida, Mako Nakaya, Takashi Kobayashi, Ichiko Kinjyo, and Akihiko Yoshimura (2009) Cyclic Adenosine Monophosphate Suppresses the Transcription of Proinflammatory Cytokines via the Phosphorylated c-Fos Protein. *Immunity*, Mar 2009, Vol 30, Issue 3, 372-383.

Barbara Renga, Marco Migliorati, Andrea Mencarelli, Stefano Fiorucci (2009) Reciprocal regulation of the bile acid-activated receptor FXR and the interferon-gamma-STAT-1 pathway in macrophages. *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*, Vol. 1792(6), June 2009, 564-573.

Meir Goldsmith, Dorit Avni, Orna Ernst, Yifat Glucksam, Galit Levy-Rimler, Michael M. Meijler, Tsaffrir Zor (2009) Synergistic IL-10 induction by LPS and the ceramide-1-phosphate analog PCERA-1 is mediated by the cAMP and p38 MAP kinase pathways. *Molecular Immunology*, Vol. 46(10), June 2009, 1979-1987.

Tony Yeung, Bryan Heit, Jean-Francois Dubuisson, Gregory D. Fairn, Basil Chiu, Robert Inman, Andras Kapus, Michele Swanson, and Sergio Grinstein (2009) Contribution of phosphatidylserine to membrane surface charge and protein targeting during phagosome maturation. *J. Cell Biol.*, Jun 2009; 185: 917-928.

Masaki Igarashi, Jun-ichi Osuga, Masashi Isshiki, Motohiro Sekiya, Hiroaki Okazaki, Satoru Takase, Mikio Takanashi, Keisuke Ohta, Masayoshi Kumagai, Makiko Nishi, Toshiro Fujita, Ryoza Nagai, Takashi Kadowaki, Shun Ishibashi (2009) Targeting of neutral cholesterol ester hydrolase to the endoplasmic reticulum via its N-terminal sequence. *Journal of Lipid Research*, Feb 2010, Vol. 51, 274-285.

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Macropinocytosis. *J. Biol. Chem.*, Oct 2009; 284: 30288-30297.

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Naizhen Wang, Khalilah L. Gates, Humberto Trejo, Silvio Favoreto, Jr., Robert P. Schleimer, Jacob I. Sznajder, Greg J. Beitel, and Peter H. S. Sporn (2010) Elevated CO<sub>2</sub> selectively inhibits interleukin-6 and tumor necrosis factor expression and decreases phagocytosis in the macrophage. *FASEB J*, Feb 2010; 10.1096/fj.09-136895.

### RAW/LR5

ATCCno. Or ECACCno.

Source

derived from RAW 264.7 cell line

Morphology

monocyte/macrophage

Species

mouse

Growth Properties

### References

Results Summary

good: 2

Wassim Abou-Kheir, Beth Isaac, Hideki Yamaguchi, and Dianne Cox (2008) Membrane targeting of WAVE2 is not sufficient for WAVE2-dependent actin polymerization: a role for IRSp53 in mediating the interaction between Rac and WAVE2. *J. Cell Sci.*, Feb 2008; 121: 379 - 390

Haerin Park and Dianne Cox (2009) Cdc42 Regulates Fc Receptor-mediated Phagocytosis through the Activation and phosphorylation of Wiskott-Aldrich Syndrome Protein (WASP) and Neural-WASP. *Mol. Biol. Cell*, Nov 2009; 20: 4500-4508.

### RBL-2H3

ATCCno. Or ECACCno.

ATCC® CRL-2256™

Source

peripheral blood; basophilic leukemia

Morphology

fibroblast

Species

rat

Growth Properties	adherent
References	
Results Summary	good: 3
<p>Calloway N, Vig M, Kinet JP, Holowka D, and Baird B (2009) Molecular Clustering of STIM1 with Orai1/CRACM1 at the Plasma Membrane Depends Dynamically on Depletion of Ca<sup>2</sup> Stores and on Electrostatic Interactions. <i>Molecular Biology of the Cell</i>, Vol. 20, 389-399, January 1, 2009</p>	
<p>Victor A. McPherson, Stephanie Everingham, Robert Karisch, Julie A. Smith, Christian M. Udell Jimin Zheng, Zongchao Jia, and Andrew W. B. Craig (2009) Contributions of F-BAR and SH2 Domains of Fes Protein Tyrosine Kinase for Coupling to the Fc(epsilon)RI Pathway in Mast Cells. <i>Mol. Cell. Biol.</i>, Jan 2009; 29: 389 - 401.</p>	
<p>Matthew J. Hayes, Dong-Min Shao, Adam Grieve, Tim Levine, Maryse Bailly, Stephen E. Moss (2009) Annexin A2 at the interface between F-actin and membranes enriched in phosphatidylinositol 4,5,-biphosphate. <i>Biochimica et Biophysica Acta</i> 1793 (2009) 1086-1095.</p>	

<b>RF/6A</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1780™
Source	choroid; retina, endothelial
Morphology	epithelial
Species	Macaca mulatta (monkey, rhesus)
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Qingming Xiong, Mingqun Lin, Yasuko Rikihisa (2009) Cholesterol-Dependent Anaplasma phagocytophilum Exploits the Low-Density Lipoprotein Uptake Pathway. <i>PLoS Pathog</i> 5(3): e1000329. doi:10.1371/journal.ppat.1000329</p>	

<b>RGC-5</b>	
ATCCno. Or ECACCno.	
Source	immortalized retinal ganglion cell line
Morphology	
Species	rat
Growth Properties	
References	
Results Summary	good: 1
<p>Chun Yang, Josiane Lafleur, Bupe R. Mwaikambo, Tang Zhu, Carmen Gagnon, Sylvain Chemtob, Adriana Di Polo, and Pierre Hardy (2009) The Role of Lysophosphatidic Acid Receptor (LPA1) in the Oxygen-Induced Retinal Ganglion Cell Degeneration. <i>Invest Ophthalmol Vis Sci.</i>, Mar 2009, 50(3):1290-1298.</p>	

<b>RK13</b>	
ATCCno. Or ECACCno.	ATCC® CCL-37™
Source	kidney
Morphology	epithelial
Species	rabbit
Growth Properties	adherent



References	
Results Summary	good: 4
<p>Walter Fuchs, Barbara G. Klupp, Harald Granzow, Tobias Leege, and Thomas C. Mettenleiter (2009) Characterization of Pseudorabies Virus (PrV) Cleavage-Encapsidation Proteins and Functional Complementation of PrV pUL32 by the Homologous Protein of Herpes Simplex Virus Type 1. <i>Journal of Virology</i>, Apr 2009, Vol 83, No 8, 3930-3943.</p>	

RML12	
ATCCno. Or ECACCno.	
Source	River Mosquito infected with wMelpop endo-symbiont
Morphology	
Species	River Mosquito
Growth Properties	
References	
Results Summary	neutral: 2
<p>Personal communication</p>	

RPMI 8226	
ATCCno. Or ECACCno.	ATCC® CCL-155™
Source	peripheral blood; plasmacytoma, myeloma
Morphology	lymphoblast
Species	human
Growth Properties	suspension
References	
Results Summary	good: 1 neutral: 1
<p>F Habens, AS Lapham, CL Dallman, BM Pickering, J Michels, EG Marcusson, PWM Johnson and G Packham (2009) Distinct promoters mediate constitutive and inducible Bcl-XL expression in malignant lymphocytes. <i>Oncogene</i> (2007) 26, 1910-1919.</p>	

RTG-2	
ATCCno. Or ECACCno.	ATCC® CCL-55™
Source	mixed; testis; ovary
Morphology	fibroblast
Species	Oncorhynchus mykiss (trout, rainbow)
Growth Properties	adherent
References	
Results Summary	good: 1
<p>A. Falco, P. Encinas, S. Carbajosa, A. Cuesta, E. Chaves-Pozc, C. Tafalla, A. Estepa and J.M. Coll (2009) Transfection improvements of fish cell lines by using deacylated polyethylenimine of selected molecular weights. <i>Fish &amp; Shellfish Immunology</i>; March 2009, Vol. 26, No. 3, 559-566.</p>	

RWPE-1	
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ATCCno. Or ECACCno.	ATCC® CRL-11609™
Source	prostate
Morphology	epithelial
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 1
<p>Subhra Mohapatra, Baoky Chu, Xiuhua Zhao, Julie Djeu, Jin Q. Cheng, W. Jackson Pledger (2009) Apoptosis of metastatic prostate cancer cells by a combination of cyclin-dependent kinase and AKT inhibitors. <i>The International Journal of Biochemistry &amp; Cell Biology</i> 41 (2009) 595-602.</p>	

<b>S2-SFM</b>	
ATCCno. Or ECACCno.	Zhang et al. PNAS, May 2007; 104: 9517 - 9522
Source	S2-SFM cells were adapted from S2 cells to grow in Drosophila serum free media (SMF).
Morphology	
Species	Drosophila melanogaster
Growth Properties	
<b>References</b>	
Results Summary	good: 1
<p>Ruby, J.G., Jan, C.H., Bartel, D.P. (2007) Intronic microRNA precursors that bypass Drosha processing. <i>Nature</i> 448, 83-86 Letter</p>	

<b>S2R+</b>	
ATCCno. Or ECACCno.	Yanagawa et al., J Biol Chem. 1998 Nov 27;273(48):32353-9
Source	Schneider S2 (receptor plus) cells that respond to wingless signaling
Morphology	
Species	fruit fly (Drosophila melanogaster)
Growth Properties	
<b>References</b>	
Results Summary	good: 3
<p>Patricia Kunda, Andrew E. Pelling, Tao Liu, and Buzz Baum (2008) Identification of the Acyltransferase that Octanoylates Ghrelin, an Appetite-Stimulating Peptide Hormone. <i>Current Biology</i> 18, 91-101, January 22, 2008</p>	
<p>Aaron M. Ambrus, Vanya I. Rasheva, Brandon N. Nicolay and Maxim V. Frolov (2009) Mosaic genetic screen for suppressors of the de2f1 mutant phenotype in Drosophila. <i>genetics</i>, Jun 2009; <i>Genetics</i>. 2009 Sep;183(1):79-92.</p>	
<p>Ralf B Schittenhelm, Romanas Chaleckis and Christian F Lehner (2009) Intrakinetochore localization and essential functional domains of Drosophila Spc105. <i>The EMBO Journal</i> (2009) 28, 2374-2386.</p>	

<b>Saos-2</b>	
ATCCno. Or ECACCno.	ATCC® HTB-85™
Source	osteosarcoma
Morphology	epithelial

Species	human
Growth Properties	monolayer
References	
Results Summary	good: 4
<p>Ichikawa, T., Suenaga, Y., Koda, T., Ozaki, T., and Nakagawara, A. (2007) TAp63-dependent induction of growth differentiation factor 15 (GDF15) plays a critical role in the regulation of keratinocyte differentiation. <i>Oncogene</i> (2007), 1–12</p>	
<p>R A Eliseev, Y-F Dong, E Sampson, M J Zuscik, E M Schwarz, R J O'Keefe, R N Rosier, M H Drissi (2008) Runx2-mediated activation of the Bax gene increases osteosarcoma cell sensitivity to apoptosis. <i>Oncogene</i> (2008), 1–10; <i>Oncogene advance online publication</i>, 28 January 2008; doi:10.1038/sj.onc.1211020</p>	
<p>Michal Stros, Eva Polanska, Sona Struncova and Sarka Pospisilova (2009) HMGB1 and HMGB2 proteins up-regulate cellular expression of human topoisomerase IIalpha. <i>Nucleic Acids Research</i>, 2009, Vol. 37(7), 2070–2086.</p>	
<p>Akinori Morita et al. (2010) Sodium Orthovanadate Inhibits p53-Mediated Apoptosis. <i>Cancer Res.</i>, Jan 2010; 70: 257-265.</p>	

<b>SCC-13</b>	
ATCCno. Or ECACCno.	
Source	epidermal squamous carcinoma cell line
Morphology	
Species	human
Growth Properties	
References	
Results Summary	neutral: 1
Personal communication	

<b>SCC-61</b>	
ATCCno. Or ECACCno.	
Source	head and neck, squamous cell carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
See also <a href="#">Cell-type specific protocols and data</a>	

<b>Schneider line 2 (S2)</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1963™
Source	embryo
Morphology	epithelial
Species	fruit fly ( <i>Drosophila melanogaster</i> )
Growth Properties	loosely adherent monolayer or in suspension

References	
Results Summary	good: 15
<p>Manifava, M. (2006) FuGENE® HD Transfection Reagent: Superior Performance for Challenging Expression Studies, <a href="#">BIOCHEMICA, No.3, 2006, p.26-28.</a></p>	
<p>Julien Muffat, David W. Walker, and Seymour Benzer (2008) Human ApoD, an apolipoprotein up-regulated in neurodegenerative diseases, extends lifespan and increases stress resistance in <i>Drosophila</i>. PNAS, May 2008; 105: 7088 - 7093</p>	
<p>Stark A, Bushati N, Jan CH, Kheradpour P, Hodges E, Brennecke J, Bartel DP, Cohen SM, Kellis M (2008) A single Hox locus in <i>Drosophila</i> produces functional microRNAs from opposite DNA strands. <i>Genes Dev.</i> 22(1):8-13</p>	
<p>Aurelien Lauwers, Laure Twyffels, Romuald Soin, Corinne Wauquier, Veronique Kruys, and Cyril Gueydan (2009) Post-transcriptional Regulation of Genes Encoding Anti-microbial Peptides in <i>Drosophila</i>. <i>J. Biol. Chem.</i>, Mar 2009; 284: 8973 - 8983.</p>	
<p>Julie Hull-Thompson, Julien Muffat, Diego Sanchez, David W. Walker, Seymour Benzer, Maria D. Ganfornina, Heinrich Jasper (2009) Control of Metabolic Homeostasis by Stress Signaling Is Mediated by the Lipocalin NLaz. <i>PLoS Genet</i> 5(4): e1000460. doi:10.1371/journal.pgen.1000460</p>	
<p>Maxwell G. Heiman and Shai Shaham (2009) DEX-1 and DYF-7 Establish Sensory Dendrite Length by Anchoring Dendritic Tips during Cell Migration. <i>Cell</i> 137(2), 344–355, April 17, 2009.</p>	
<p>Tomoko Kawamata, Herve Seitz &amp; Yukihide Tomari (2009) Structural determinants of miRNAs for RISC loading and slicer-independent unwinding. <i>Nat Struct Mol Biol.</i> 2009 Sep;16(9):953-60.</p>	
<p>Concetta Lipardi and Bruce M. Paterson (2009) Identification of an RNA-dependent RNA polymerase in <i>Drosophila</i> involved in RNAi and transposon suppression. PNAS, Sept 2009, Vol. 106(37), 15645-15650.</p>	
<p>Jason Clements, Korneel Hens, Srinivas Merugu, Beatriz Dichtl, H. Gert de Couet, Patrick Callaerts (2009) Mutational analysis of the <i>eyeless</i> gene and phenotypic rescue reveal that an intact <i>Eyeless</i> protein is necessary for normal eye and brain development in <i>Drosophila</i>. <i>Developmental Biology</i>, 2009, 334, 503-512.</p>	
<p>Claudio Shah, Klaus Förstemann (2008) Monitoring miRNA-mediated silencing in <i>Drosophila melanogaster</i> S2-cells. <i>Biochimica et Biophysica Acta</i>, 2008, 1779, 766-772.</p>	

Schwann cells	
ATCCno. Or ECACCno.	
Source	peripheral nervous system
Morphology	glial
Species	
Growth Properties	
References	
Results Summary	good: 2
<p>Elena M. Barbaria, Bianca Kohl, Bettina A. Buhren, Kerstin Hasenpusch-Theil, Fabian Kruse, Patrick Kuery, Rudolf Martini, Hans Werner Müller (2009) The alpha-chemokine CXCL14 is up-regulated in the sciatic nerve of a mouse model of Charcot–Marie–Tooth disease type 1A and alters myelin gene expression in cultured Schwann cells. <i>Neuro-</i></p>	

biology of Disease, Vol. 33(3), March 2009, 448-458.

<b>Schwann cells, human, immortalized</b>	
ATCCno. Or ECACCno.	
Source	peripheral nervous system
Morphology	neuronal
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Marina V. Chuenkova and Mercio PereiraPerrin (2009) Trypanosoma cruzi Targets Akt in Host Cells as an Intracellular Antiapoptotic Strategy. <i>Sci. Signal.</i>, Nov 2009, Vol. 2, No. 97, ra74. [DOI: 10.1126/scisignal.2000374]</p>	

<b>Seckel</b>	
ATCCno. Or ECACCno.	Seckel syndrome (GM18367) cells
Source	EBV-transformed lymphoblastoid cells from Seckel syndrome (GM18367) patients
Morphology	lymphoblastoid
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Holger Stephan, Claire Concannon, Elisabeth Kremmer, Michael P. Carty and Heinz-Peter Nasheuer (2009) Ionizing radiation-dependent and independent phosphorylation of the 32-kDa subunit of replication protein A during mitosis. <i>Nucleic Acids Research</i>, 2009, Vol. 37, No. 18, pp. 6028-6041. <i>Nucleic Acids Res.</i>, Aug 2009; 10.1093/nar/gkp605</p>	

<b>SF21</b>	
ATCCno. Or ECACCno.	Espinoza et al, <i>Intervirology</i> 1992; 34: 1-12
Source	ovary
Morphology	spherical
Species	spodoptera frugiperda
Growth Properties	
References	
Results Summary	good: 1
<p>Personal communication</p>	

<b>SF9</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1711™
Source	ovary
Morphology	epithelial
Species	fall armyworm (Spodoptera frugiperda)
Growth Properties	adherent
References	

Results Summary	good: 12 neutral: 2
Rajshekhkar Alli, Phuong Nguyen, and Terrence L. Geiger (2008) Retrogenic Modeling of Experimental Allergic Encephalomyelitis Associates T Cell Frequency but Not TCR Functional Affinity with Pathogenicity. <i>J. Immunol.</i> , Jul 2008; 181: 136 - 145	

<b>SH-SY5Y</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2266™
Source	neuroblastoma; brain; from metastatic site: bone marrow
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 21
Estelle Leclerc, Günter Fritz, Mirjam Weibel, Claus W. Heizmann, and Arnaud Galichet (2007) S100b and S100A6 differentially modulate cell survival by interacting with distinct rage immunoglobulin domains. <i>J Biol Chem.</i> 2007 Oct 26;282(43):31317-31.	
Craig J. Gibson and Barbara E. Ehrlich (2007) Inositol 1,4,5-trisphosphate receptor movement is restricted by addition of elevated levels of O-linked sugar. <i>Cell Calcium</i> , Vol. 43(3) 2008, 228-235.	
Ying Zhang, Alessandro Bertolino, Leonardo Fazio, Giuseppe Blasi, Antonio Rampino, Raffaella Romano, Mei-Ling T. Lee, Tao Xiao, Audrey Papp, Danxin Wang, and Wolfgang Sadée (2007) Polymorphisms in human dopamine D2 receptor gene affect gene expression, splicing, and neuronal activity during working memory. <i>PNAS</i> , Dec 2007; 104: 20552 - 20557	
Zhou C, Huang Y, Shao Y, May J, Prou D, Perier C, Dauer W, Schon EA, Przedborski S (2008) The kinase domain of mitochondrial PINK1 faces the cytoplasm. <i>PNAS</i> , Aug 2008; 105: 12022 - 12027	
Rujuan Liua, Anna-Lena Stroem, Jianjun Zhai, Jozsef Gal, Shilai Bao, Weimin Gong, Haining Zhu (2009) Enzymatically inactive adenylate kinase 4 interacts with mitochondrial ADP/ATP translocase. <i>The International Journal of Biochemistry &amp; Cell Biology</i> , Vol. 41(6), June 2009, 1371-1380.	
Elisenda Sanz, Albert Quintana, Juan Hidalgo, Jose Luis Marco, Mercedes Unzeta (2009) PF9601N [N-(2-propynyl)-2-(5-benzyloxy-indolyl) methylamine] confers MAO-B independent neuroprotection in ER stress-induced cell death. <i>Molecular and Cellular Neuroscience</i> , Vol. 41(1), May 2009, 19-31.	
Karl Vandepoele, Vanessa Andries, and Frans van Roy (2009) The NBPF1 Promoter Has Been Recruited from the Unrelated EVI5 Gene Before Simian Radiation. <i>Mol. Biol. Evol.</i> , Jun 2009; 26: 1321 - 1332.	
Charlotta Buch, Robert Lindberg, Ricardo Figueroa, Santhosh Gudise, Evgeny Onischenko and Einar Hallberg (2009) An integral protein of the inner nuclear membrane localizes to the mitotic spindle in mammalian cells. <i>J. Cell Sci.</i> , Jun 2009; 122: 2100-2107.	
Dana Ghanem, Helene Tran, Claire-Marie Dhaenens, Suzanna Schraen-Maschke, Bernard Sablonniere, Luc Buee , Nicolas Sergeant, Marie-Laure Caillet-Boudin (2009) Altered splicing of Tau in DM1 is different from the foetal splicing process. <i>FEBS Letters</i> 583 (2009) 675-679.	

Heli Honkala, Jenni Lahtela, Heli Fox, Massimiliano Gentile, Niklas Pakkasjaervi, Riitta Salonen, Kirmo Wartiovaara, Matti Jauhiainen, and Marjo Kestilae (2009) Unraveling the disease pathogenesis behind lethal hydroletharus syndrome revealed multiple changes in molecular and cellular level. *Pathogenetics*. 2009 Apr 28;2(1):2.

Ligong Chen, Gregory D Salinas, and Xiaohua Li (2009) Regulation of Serotonin 1B Receptor by Glycogen Synthase Kinase-3. *Mol Pharmacol*. 2009 Dec;76(6):1150-61.

T. Sato, S. Takeuchi, A. Saito, W. Ding, H. Bamba, H. Matsuura, Y. Hisa, I. Tooyama and M. Urushitani (2009) Axonal ligation induces transient redistribution of TDP-43 in brainstem motor neurons. *Neuroscience*, Vol. 164(4), Dec 2009, 1565-1578.

Marcin Ratajewski, Lukasz Pulaski (2009) YY1-dependent transcriptional regulation of the human GDAP1 gene. *Genomics*, 2009, 94, 407-413.

### SHK-1

ATCCno. Or ECACCno.	ECACC No. 97111106
Source	head kidney
Morphology	Fibroblast-like
Species	Atlantic salmon
Growth Properties	Split sub-confluent cultures

#### References

Results Summary good: 1

Personal communication

### SiHa

ATCCno. Or ECACCno.	ATCC® HTB-35™
Source	squamous cell carcinoma; cervix
Morphology	epithelial
Species	human
Growth Properties	adherent

#### References

Results Summary good: 3

Tungteakkhun, Sandy S., Filippova, Maria, Neidigh, Jonathan W., Fodor, Nadja and Duerksen-Hughes, Penelope J. (2008) The Interaction between Human Papillomavirus Type 16 and FADD Is Mediated by a Novel E6 Binding Domain. *J. Virol.*, Oct 2008; 82: 9600 - 9614

Bladimiro Rincon-Orozco et al. (2009) Epigenetic Silencing of Interferon-kappa in Human Papillomavirus Type 16-Positive Cells. *Cancer Res*, Nov 2009; 69(22), 8718-8725.

Susanne Dymalla, Martin Scheffner, Elvira Weber, Peter Sehr, Claudia Lohrey, Felix Hoppe-Seyler and Karin Hoppe-Seyler (2009) A novel peptide motif binding to and blocking the intracellular activity of the human papillomavirus E6 oncoprotein. *J Mol Med*. 2009 Mar;87(3):321-31.

### SK-BR-3

ATCCno. Or ECACCno.	ATCC® HTB-30™
Source	adenocarcinoma; mammary gland; pleural effusion, malignant
Morphology	epithelial
Species	human
Growth Properties	monolayer
References	
Results Summary	good: 1 neutral: 1
Grégory Nolens, Jean-Christophe Pignon, Benjamin Koopmansch, Benaïssa Elmoualij, Willy Zorzi, Edwin De Pauw and Rosita Winkler (2009) Ku proteins interact with activator protein-2 transcription factors and contribute to ERBB2 overexpression in breast cancer cell lines. <i>Breast Cancer Res.</i> 2009;11(6):R83.	

<b>SK-MEL-28</b>	
ATCCno. Or ECACCno.	ATCC® HTB-72™
Source	skin; malignant melanoma
Morphology	polygonal
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
See also <a href="#">Cell-type specific protocols and data</a>	

<b>SK-N-AS</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2137™
Source	brain, neuroblastoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
Spitzenberg, Volker and Grün, Michael (2007) Efficient Transfection of Neuroblastoma Cell Lines Using FuGENE HD Transfection Reagent. <i>BIOCHEMICA</i> , No. 1, 2007, p. 11-12.	

<b>SK-N-BE(2)</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2271™
Source	brain, neuroblastoma
Morphology	neuroblast
Species	human
Growth Properties	mixed, adherent and suspension
References	
Results Summary	good: 1
Sabina Benko et al. (2009) Highly conserved non-coding elements on either side of SOX9 associated with Pierre	



Robin sequence. Nature Genetics, March 2009, 41(3), 359-364.

### SK-N-LO

ATCCno. Or ECACCno.

Source brain, neuroblastoma

Morphology

Species human

Growth Properties

#### References

Results Summary good: 1

Spitzenberg, Volker and Grün, Michael (2007) Efficient Transfection of Neuroblastoma Cell Lines Using FuGENE HD Transfection Reagent. [BIOCHEMICA, No. 1, 2007, p. 11-12.](#)

### SK-N-MC

ATCCno. Or ECACCno.

ATCC® HTB-10™

Source brain: neuroepithelioma; supra-orbital area

Morphology epithelial

Species human

Growth Properties adherent

#### References

Results Summary good: 2

Spitzenberg, Volker and Grün, Michael (2007) Efficient Transfection of Neuroblastoma Cell Lines Using FuGENE HD Transfection Reagent. [BIOCHEMICA, No. 1, 2007, p. 11-12.](#)

### SK-N-SH

ATCCno. Or ECACCno.

Source brain, neuroblastoma

Morphology

Species human

Growth Properties adherent

#### References

Results Summary good: 2  
neutral: 1

Karl Vandepoele, Vanessa Andries, and Frans van Roy (2009) The NBPF1 Promoter Has Been Recruited from the Unrelated EVI5 Gene Before Simian Radiation. Mol. Biol. Evol., Jun 2009; 26: 1321 - 1332.

Dana Ghanem, Helene Tran, Claire-Marie Dhaenens, Suzanna Schraen-Maschke, Bernard Sablonniere, Luc Buee , Nicolas Sergeant, Marie-Laure Caillet-Boudin (2009) Altered splicing of Tau in DM1 is different from the foetal splicing process. FEBS Letters 583 (2009) 675-679.

### SK-OV-3 [SKOV-3]

ATCCno. Or ECACCno.

ATCC® HTB-77™

Source ovary, adenocarcinoma: (derived from metastatic site: ascites)

Morphology	epithelial
Species	Homo sapiens (human)
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 5
See also <a href="#">Cell-type specific protocols and data</a>	
Yu Kang, Xiao-Yan Zhang, Wei Jiang, Chao-Qun Wu Chun-Mei Chen, Jian-Ren Gu, Yu-Fang Zheng, Cong-Jian Xu (2009) The piggyBac transposon is an integrating non-viral gene transfer vector that enhances the efficiency of GDEPT. <i>Cell Biology International</i> , Vol. 33(4), April 2009, 509-515.	
Florian Reim, Yvonne Dombrowski, Cathrin Ritter, Mathias Buttmann, Sebastian Häusler, Monika Ossadnik, Mathias Krockenberger, Dagmar Beier, Christoph P. Beier, Johannes Dietl, Jürgen C. Becker, Arnd Hönig, and Jörg Wischhusen (2009) Immunoselection of Breast and Ovarian Cancer Cells with Trastuzumab and Natural Killer Cells: Selective Escape of CD44high/CD24low/HER2low Breast Cancer Stem Cells. <i>Cancer Res</i> 2009; 69: (20), 8058-8066.	
Christian Klausen, Peter C.K. Leung and Nelly Auersperg (2009) Cell Motility and Spreading Are Suppressed by HOXA4 in Ovarian Cancer Cells: Possible Involvement of beta1 Integrin. <i>Mol Cancer Res.</i> 2009 Sep;7(9):1425-37.	

<b>SLK</b>	
ATCCno. Or ECACCno.	Herndier et al., 1994, <i>Aids</i> 8:575-81.
Source	Kaposi sarcoma; oral mucosa of an iatrogenically immunosuppressed HIV-negative man
Morphology	endothelial with very little anaplasia
Species	human
Growth Properties	
<b>References</b>	
Results Summary	good: 1
Brian M. Sullivan and Laurent Coscoy (2010) The U24 protein from human herpesvirus 6 and 7 affects endocytic recycling. <i>J Virol</i> , 2010 Feb;84(3):1265-75.	

<b>SMMC-7721</b>	
ATCCno. Or ECACCno.	
Source	hepatocellular carcinoma
Morphology	
Species	human
Growth Properties	
<b>References</b>	
Results Summary	good: 1
Chaogu Zheng, Yijun Qiu, Qiqun Zeng, Ying Zhang, Di Lu, Dongling Yang, Jing Feng, Xiyun Yan (2009) Endothelial CD146 is required for in vitro tumor-induced angiogenesis: The role of a disulfide bond in signaling and dimerization. <i>The International Journal of Biochemistry &amp; Cell Biology</i> , Vol. 41(11), Nov 2009, 2163-2172.	

<b>Smooth muscle cells, VSMCs</b>
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ATCCno. Or ECACCno.	
Source	vascular
Morphology	smooth muscle
Species	rat
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 1
<p>Raphaella Schwappacher, Jörg Weiske, Eva Heining, Verena Ezerski, Barak Marom, Yoav I Henis, Otmar Huber and Petra Knaus (2009) Novel crosstalk to BMP signalling: cGMP-dependent kinase I modulates BMP receptor and Smad activity. <i>The EMBO Journal</i> (2009) 28, 1537-1550.</p>	

<b>SNB-19</b>	
ATCCno. Or ECACCno.	
Source	glioblastoma
Morphology	
Species	human
Growth Properties	
<b>References</b>	
Results Summary	good: 1
<p>Joseph George, Naren L. Banik, and Swapan K. Ray (2009) Combination of hTERT Knockdown and IFN-gamma Treatment Inhibited Angiogenesis and Tumor Progression in Glioblastoma. <i>Clin Cancer Res</i> 2009;15(23), 7168-7195.</p>	

<b>SNU-16</b>	
ATCCno. Or ECACCno.	ATCC® CRL-5974™
Source	stomach, gastric carcinoma; metastatic site: ascites
Morphology	epithelial
Species	human
Growth Properties	suspension, multicell aggregates
<b>References</b>	
Results Summary	good: 1
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	

<b>SQ20B</b>	
ATCCno. Or ECACCno.	
Source	head and neck, squamous cell carcinoma
Morphology	
Species	human
Growth Properties	
<b>References</b>	
Results Summary	good: 1
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	

<b>STO</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1503™
Source	embryo
Morphology	fibroblast
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 1
See also <a href="#">Cell-type specific protocols and data</a>	

<b>Stromal cells, human, PrSC</b>	
ATCCno. Or ECACCno.	
Source	normal prostate stromal cells
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>H Nomura, H Kawashima, S Masaki, T Y Hosono, K Matsumura, S Tamada, T Tanaka and T Nakatani (2009) Effect of selective estrogen receptor modulators on cell proliferation and estrogen receptor activities in normal human prostate stromal and epithelial cells. Prostate Cancer and Prostatic Diseases (2009) 12, 375-381; doi:10.1038/pcan.2009.20;</p>	

<b>STSAR-90</b>	
ATCCno. Or ECACCno.	Ref.: Samuels B. L., et al., Cancer Res., 51: 521-527, 1991.
Source	osteosarcoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
See also <a href="#">Cell-type specific protocols and data</a>	

<b>SUM159</b>	
ATCCno. Or ECACCno.	
Source	breast carcinoma
Morphology	epithelial
Species	human
Growth Properties	
References	
Results Summary	good: 1

Ser Sue Ng, Tokameh Mahmoudi, Esther Danenberg, Inés Bejaoui, Wim de Lau, Hendrik C. Korswagen, Mieke Schutte, and Hans Clevers (2009) Phosphatidylinositol 3-Kinase Signaling Does Not Activate the Wnt Cascade. *J. Biol. Chem.*, Dec 2009; 284: 35308-35313.

<b>SUM185</b>	
ATCCno. Or ECACCno.	
Source	breast carcinoma
Morphology	epithelial
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Ser Sue Ng, Tokameh Mahmoudi, Esther Danenberg, Inés Bejaoui, Wim de Lau, Hendrik C. Korswagen, Mieke Schutte, and Hans Clevers (2009) Phosphatidylinositol 3-Kinase Signaling Does Not Activate the Wnt Cascade. <i>J. Biol. Chem.</i>, Dec 2009; 284: 35308-35313.</p>	

<b>SV589</b>	
ATCCno. Or ECACCno.	Yamamoto et al (1984) Cell 39, 27-38 an immortalized line of human fibroblasts expressing the SV40 large T antigen
Source	fibroblast, SV40-transformed human fibroblasts
Morphology	fibroblast
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Kerrie-Ann McMahon, Hubert Zajicek, Wei-Ping Li, Michael J Peyton, John D Minna, V James Hernandez, Katherine Luby-Phelps and Richard G W Anderson (2009) SRBC/cavin-3 is a caveolin adapter protein that regulates caveolae function. <i>The EMBO Journal</i> (2009) 28, 1001-1015 doi:10.1038/emboj.2009.46</p>	

<b>SVEC4-10</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2181™
Source	axillary lymph node; vascular epithelium, SV40 transformed
Morphology	epithelial
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Ningning Wang, Guangrui Yang, Zhanjun Jia, Hui Zhang, Toshinori Aoyagi, Sunhapas Soodvilai, J. David Symons, Jurgen B. Schnermann, Frank J. Gonzalez, Sheldon E. Litwin, and Tianxin Yang (2008) Vascular PPARγ Controls Circadian Variation in Blood Pressure and Heart Rate through Bmal1. <i>Cell Metabolism</i>, Dec 2008, Vol 8, Issue 6, 482-491.</p>	

<b>SW13</b>
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ATCCno. Or ECACCno.	Hedberg KK et al, Exp Cell Res 1986 Apr;163(2):509-17
Source	adrenal cortex
Morphology	carcinoma
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 1
<p>Taketoshi Mizutani, Aya Ishizaka, Mariko Tomizawa, Takuya Okazaki, Nobutake Yamamichi, Ai Kawana-Tachikawa, Aikichi Iwamoto, and Hideo Iba (2009) Loss of the Brm-type SWI/SNF chromatin remodeling complex is a strong barrier to the Tat-independent transcriptional elongation of HIV-1 transcripts. J Virol. 2009 Nov;83(22):11569-80.</p>	

<b>SW1353 [SW 1353]</b>	
ATCCno. Or ECACCno.	ATCC® HTB-94™
Source	bone; chondrosarcoma
Morphology	fibroblast
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 4
<p>Noboru Taniguchi, Beatriz Carames, Yasuhiko Kawakami, Brad A. Amendt, Setsuro Komiya and Martin Lotz (2009) Chromatin protein HMGB2 regulates articular cartilage surface maintenance via beta-catenin pathway. PNAS, Sep 2009, Vol. 106, No. 39, 16817-16822, see Supporting Information.</p>	
<p>Ursula R. Rodgers and Ian M. Clark (2010) Expression of Recombinant MMP-28 in Mammalian Cells. Methods in Molecular Biology, Matrix Metalloproteinase Protocols DOI: 10.1007/978-1-60327-299-5_3</p>	

<b>SW480 [SW-480]</b>	
ATCCno. Or ECACCno.	ATCC® CCL-228™
Source	colon; colorectal adenocarcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 7 neutral: 1
<p>Mariana Brocardo, Ying Lei, Anthony Tighe, Stephen S. Taylor, Myth T.S. Mok, and Beric R. Henderson (2007) Mitochondrial targeting of adenomatous polyposis coli protein is stimulated by truncating cancer mutations: Regulation of Bcl-2 and implications for cell survival. J. Biol. Chem., Mar 2008; 283: 7713 - 7720. J. Biol. Chem., Jan 2008, 10.1074/jbc.M710245200.</p>	
<p>Tapia R, Huerta M, Islas S, Avila-Flores A, Lopez-Bayghen E, Weiske J, Huber O, González-Mariscal L (2009) Zona Occludens-2 Inhibits Cyclin D1 Expression and Cell Proliferation and Exhibits Changes in Localization along the Cell Cycle. Molecular Biology of the Cell, Vol. 20, 1102-1117</p>	
<p>Brocardo M, Lei Y, Tighe A, Taylor SS, Myth T. S. Mok MTS, and Henderson BR (2008) Mitochondrial Targeting of</p>	

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Shigeyuki Uno, Kaori Endo, Yangsik Jeong, Katsuyoshi Kawana, Hiroyuki Miyachi, Yuichi Hashimoto, Makoto Makishima (2009) Suppression of beta-catenin signaling by liver X receptor ligands. *Biochemical Pharmacology*, Vol. 77(2), January 2009, 186-195.

Kyoko Takahashi, Yutaka Sugi, Akira Hosono, and Shuichi Kaminogawa (2009) Epigenetic Regulation of TLR4 Gene Expression in Intestinal Epithelial Cells for the Maintenance of Intestinal Homeostasis. *The Journal of Immunology*, 2009, 183, 6522-6529.

Henrik Fyrst, Babak Oskouian, Padmavathi Bandhuvula, Yaqiong Gong, Hoe Sup Byun, Robert Bittman, Andrew R. Lee, and Julie D. Saba (2009) Natural Sphingadienes Inhibit Akt-Dependent Signaling and Prevent Intestinal Tumorigenesis. *Cancer Res.*, Dec 2009; 69: 9457-9464.

<b>SYO-1</b>	
ATCCno. Or ECACCno.	Kawai et al., <i>Cancer Lett.</i> 2004 Feb 10;204(1):105-13.
Source	derived from a biphasic synovial sarcoma
Morphology	spindle shape without conspicuous pleomorphism
Species	human
Growth Properties	monolayer
References	
Results Summary	good: 1
Takuya Watanabe, Masumi Tsuda, Shinya Tanaka, Yusuke Ohba, Hideaki Kawaguchi, Tokifumi Majima, Hirofumi Sawa and Akio Minami (2009) Adaptor Protein Crk Induces Src-Dependent Activation of p38 MAPK in Regulation of Synovial Sarcoma Cell Proliferation. <i>Mol Cancer Res.</i> 2009 Sep;7(9):1582-92.	

<b>T-47D</b>	
ATCCno. Or ECACCno.	ATCC® HTB-133™
Source	breast; mammary gland; ductal carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 6 bad: 1
Nic Bougen (2008) Transfection of T47D Mammary Carcinoma Cells Using FuGENE HD Transfection Reagent. <a href="#">BIOCHEMICA, No.1, 2008, p. 19-21.</a>	
Dunyong Tan and Aemea M Walker (2010) Short form 1b human prolactin receptor down-regulates expression of the long form. <i>J. Mol. Endocrinol.</i> , Mar 2010; 44: 187-194.	
Yin P, Lin Z, Reierstad S, Wu J, Ishikawa H, Marsh EE, Innes J, Cheng Y, Pearson K, Coon JS 5th, Kim JJ, Chakravarti D, Bulun SE (2010) Transcription factor KLF11 integrates progesterone receptor signaling and proliferation in uterine leiomyoma cells. <i>Cancer Res.</i> 2010 Feb 15;70(4):1722-30.	

<b>T-REx-293</b>	
ATCCno. Or ECACCno.	Invitrogen T-REx-293 cell line stably expresses the lacZ-Zeocin gene and is derived from 293 cells.
Source	embryonic kidney
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2 bad: 1
<p>Paschen SA , Christian JG , Vier J, Schmidt F, Walch A, Ojcius DM , HÄcker G (2008) Cytopathicity of Chlamydia is largely reproduced by expression of a single chlamydial protease. <i>J. Cell Biol.</i>, Jul 2008; 182: 117 - 127</p> <p>Laetitia Arzoine, Noam Zilberberg, Ronit Ben-Romano, and Varda Shoshan-Barmatz (2009) Voltage-dependent Anion Channel 1-based Peptides Interact with Hexokinase to Prevent Its Anti-apoptotic Activity. <i>J. Biol. Chem.</i>, Feb 2009; 284: 3946 - 3955.</p>	

<b>T-REx/BimS</b>	
ATCCno. Or ECACCno.	Weber et al., <i>J. Cell Biol.</i> 2007 177: 625-636.
Source	T-REx-HeLa cells that stably express the BH3-only protein BimS under control of the tetracycline repressor from the pCDNA6/TR vector
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Diana Hippe, Arnim Weber, Liying Zhou, Donald C. Chang, Georg HÄcker and Carsten G. K. LÜder (2009) Toxoplasma gondii infection confers resistance against BimS-induced apoptosis by preventing the activation and mitochondrial targeting of pro-apoptotic Bax. <i>J Cell Sci.</i> 2009 Oct 1;122(Pt 19):3511-21.</p>	

<b>T24</b>	
ATCCno. Or ECACCno.	ATCC® HTB-4™
Source	urinary bladder; transitional cell carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 4
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	

<b>T47D-YB</b>	
ATCCno. Or ECACCno.	Sartorius et al., <i>Cancer Res</i> 54:3868-3877



Source	mammary carcinoma;
Morphology	epithelial
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 1
<p>Emily J. Faivre, Andrea R. Daniel, Christopher J. Hillard, and Carol A. Lange (2008) Progesterone Receptor Rapid Signaling Mediates Ser345 Phosphorylation and Tethering to Sp1 Transcription Factors. <i>Mol. Endocrinol.</i>, Apr 2008; 22: 823 - 837; <i>Mol. Endocrinol.</i>, Jan 2008; 10.1210/me.2007-0437</p>	

<b>T84</b>	
ATCCno. Or ECACCno.	ATCC® CCL-248™
Source	colon; colorectal carcinoma
Morphology	epithelial
Species	Homo sapiens (human)
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 2 neutral: 1
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	
<p>Kyoko Takahashi, Yutaka Sugi, Akira Hosono, and Shuichi Kaminogawa (2009) Epigenetic Regulation of TLR4 Gene Expression in Intestinal Epithelial Cells for the Maintenance of Intestinal Homeostasis. <i>The Journal of Immunology</i>, 2009, 183, 6522-6529.</p>	

<b>T98G [T98-G]</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1690™
Source	brain; glioblastoma multiforme
Morphology	fibroblast
Species	human
Growth Properties	adherent
<b>References</b>	
Results Summary	good: 9 neutral: 1
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	
<p>Kouichi Tabu, Ken Sasai, Taichi Kimura, Lei Wang, Eiko Aoyanagi, Shinji Kohsaka, Mishie Tanino, Hiroshi Nishihara, Shinya Tanaka (2008) Promoter hypomethylation regulates CD133 expression in human gliomas. <i>Cell Research</i> 18, 1037 - 1046 (03 Oct 2008)</p>	
<p>Nicolas Dross, Corentin Spriet, Monika Zwerger, Gabriele Mueller, Waldemar Waldeck, Joerg Langowski (2009) Mapping eGFP Oligomer Mobility in Living Cell Nuclei. <i>PLoS ONE</i> 4(4): e5041. doi:10.1371/journal.pone.0005041</p>	
<p>Dana Ghanem, Helene Tran, Claire-Marie Dhaenens, Suzanna Schraen-Maschke, Bernard Sablonniere, Luc Buee , Nicolas Sergeant, Marie-Laure Caillet-Boudin (2009) Altered splicing of Tau in DM1 is different from the foetal spli-</p>	

cing process. FEBS Letters 583 (2009) 675-679.

Miki Hiroi, Kazumasa Mori, Yoshiichi Sakaeda, Jun Shimada, Yoshihiro Ohmori (2009) STAT1 represses hypoxia-inducible factor-1-mediated transcription. Biochemical and Biophysical Research Communications 387 (2009) 806-810.

Benjamin Kefas et al. (2009) The Neuronal MicroRNA miR-326 Acts in a Feedback Loop with Notch and Has Therapeutic Potential against Brain Tumors. J. Neurosci., Dec 2009; 29: 15161-15168.

Hideo Mure, Kazuhito Matsuzaki, Keiko T. Kitazato, Yoshifumi Mizobuchi, Kazuyuki Kuwayama, Teruyoshi Kageji, and Shinji Nagahiro (2010) Akt2 and Akt3 play a pivotal role in malignant gliomas. Neuro-Oncology, 2010, 12(3):221-232.

Hu Zhu, Xinyu Cao, Francis Ali-Osman, Stephen Keir, Hui-Wen Lo (2010) EGFR and EGFRvIII interact with PUMA to inhibit mitochondrial translocation of PUMA and PUMA-mediated apoptosis independent of EGFR kinase activity. Cancer Letters, In Press;

### TE671

ATCCno. Or ECACCno.

Source	muscle, rhabdomyosarcoma
Morphology	spindle and large multinucleated cells
Species	human
Growth Properties	adherent

#### References

Results Summary	good: 2
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Personal communication

### TH4-5-7

ATCCno. Or ECACCno.	chronically HIV-1 infected 85HG66 cells
Source	astrocytoma
Morphology	
Species	human
Growth Properties	

#### References

Results Summary	good: 1
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Kamyar Hadian, Michelle Vincendeau, Nina Mäusbacher, Daniel Nagel, Stefanie M. Hauck, Marius Ueffing, Abraham Loyter, Thomas Werner, Horst Wolff, and Ruth Brack-Werner (2009) Identification of a Heterogeneous Nuclear Ribonucleoprotein-recognition Region in the HIV Rev Protein. Endocrinology. doi:10.1210/en.2009-0551

### THP-1

ATCCno. Or ECACCno.	ATCC® TIB-202™
Source	leukemia, acute monocytic; monocyte
Morphology	monocyte
Species	human
Growth Properties	suspension

References	
Results Summary	good: 5 bad: 1
<p>Masashi Demura, Scott Reierstad, Joy E. Innes and Serdar E. Bulun (2008) Novel Promoter I.8 and Promoter Usage in the CYP19 (Aromatase) Gene. <i>Reproductive Sciences</i>, Vol. 15, No. 10, December 2008, 1044-1053.</p>	
<p>Kyoko Takahashi, Yutaka Sugi, Akira Hosono, and Shuichi Kaminogawa (2009) Epigenetic Regulation of TLR4 Gene Expression in Intestinal Epithelial Cells for the Maintenance of Intestinal Homeostasis. <i>The Journal of Immunology</i>, 2009, 183, 6522-6529.</p>	
<p>Yusuke Ohsaki et al. (2010) Vitamin K suppresses the lipopolysaccharide-induced expression of inflammatory cytokines in cultured macrophage-like cells via the inhibition of the activation of nuclear factor kappaB through the repression of IKKalpha/beta phosphorylation. <i>The Journal of Nutritional Biochemistry</i>, In Press.</p>	

TM4	
ATCCno. Or ECACCno.	ATCC® CRL-1715™
Source	normal; testis; Sertoli cell
Morphology	epithelial
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Hyung-Bok Jeong, Ji-Gweon Park, Young-Ju Park, Akihiro Takemura, Sung-Pyo Hur, Young-Don Lee, Se-Jae Kim (2009) Isolation and characterization of DMRT1 and its putative regulatory region in the protogynous wrasse, <i>Halihoeres tenuispinis</i>. <i>Gene</i>, 2009 Jun1; 438(1-2):8-16.</p>	

TO cells	
ATCCno. Or ECACCno.	Pettersen et al., <i>Fish &amp; Shellfish Immunology</i> , 2008, Volume 25, Issue 6, 809-819.
Source	head kidney leukocytes; highly phagocytic cell line
Morphology	macrophage-like
Species	Atlantic salmon
Growth Properties	
References	
Results Summary	good: 2
<p>Kileng O, Bergan V, Workenhe ST, Robertsen B(2009) Structural and functional studies of an IRF-7-like gene from Atlantic salmon. <i>Developmental and Comparative Immunology</i>, 2009;33(1):18-27.</p>	
<p>Skjesol A, Aamo T, Hegseth M N, Robertsen B, Jorgensen J B (2009) The interplay between infectious pancreatic necrosis virus (IPNV) and the IFN system: IFN signaling is inhibited by IPNV infection. <i>Virus Research</i>, Vol. 143(1), July 2009, 53-60.</p>	

TP366	
ATCCno. Or ECACCno.	

Source	glioblastoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Nicolas Dross, Corentin Spriet, Monika Zwerger, Gabriele Mueller, Waldemar Waldeck, Joerg Langowski (2009) Mapping eGFP Oligomer Mobility in Living Cell Nuclei. PLoS ONE 4(4): e5041. doi:10.1371/journal.pone.0005041</p>	

<b>TPC-1</b>	
ATCCno. Or ECACCno.	
Source	thyroid papillary carcinoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Personal communication</p>	

<b>U-138 MG</b>	
ATCCno. Or ECACCno.	ATCC® HTB-16™
Source	brain, glioblastoma
Morphology	polygonal
Species	human
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Microgene Xia, Minghua Hu, Jun Wang, Yajun Xu, Xiaobing Chen, Yuedong Ma, Lei Su (2010) Identification of the role of Smad interacting protein 1 (SIP1) in glioma. Journal of Neuro-Oncology, Apr 2010, 97(2):225-32.</p> <p>Kamyar Hadian, Michelle Vincendeau, Nina Mäusbacher, Daniel Nagel, Stefanie M. Hauck, Marius Ueffing, Abraham Loyter, Thomas Werner, Horst Wolff, and Ruth Brack-Werner (2009) Identification of a Heterogeneous Nuclear Ribonucleoprotein-recognition Region in the HIV Rev Protein. Endocrinology. doi:10.1210/en.2009-0551</p>	

<b>U-2 OS</b>	
ATCCno. Or ECACCno.	ATCC® HTB-96™
Source	osteosarcoma; bone
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 16 neutral: 1

bad: 1

Longchuan Chen, Christian Nievera, Alan Yueh-Luen Lee, and Xiaohua Wu (2008) Cell cycle-dependent complex formation of BRCA1/CtIP/MRN is important for DNA double-strand break repair. *J. Biol. Chem.*, Mar 2008; 283: 7713 - 7720.

Mariana Brocardo, Ying Lei, Anthony Tighe, Stephen S. Taylor, Myth T.S. Mok, and Beric R. Henderson (2007) Mitochondrial targeting of adenomatous polyposis coli protein is stimulated by truncating cancer mutations: Regulation of Bcl-2 and implications for cell survival. *J. Biol. Chem.*, Mar 2008; 283: 7713 - 7720. *J. Biol. Chem.*, Jan 2008, 10.1074/jbc.M710245200.

Chai-An Mao, Takae Kiyama, Ping Pan, Yasuhide Furuta, Anna-Katerina Hadjantonakis, and William H. Klein (2008) Eomesodermin, a target gene of Pou4f2, is required for retinal ganglion cell and optic nerve development in the mouse. *Development*, Jan 2008; 135: 271 - 280

Weidtkamp-Peters S, Lenser T, Negorev D, Gerstner N, Hofmann TG, Schwanitz G, Hoischen C, Maul G, Dittrich P, and Hemmerich P (2008) Dynamics of component exchange at PML nuclear bodies. *J. Cell Sci.*, Aug 2008; 121: 2731 - 2743

Brocardo M, Lei Y, Tighe A, Taylor SS, Myth T. S. Mok MTS, and Henderson BR (2008) Mitochondrial Targeting of Adenomatous Polyposis Coli Protein Is Stimulated by Truncating Cancer Mutations. *J. Biol. Chem.*, Vol. 283, Issue 9, 5950-5959

Medhurst AL, Warmerdam DO, Akerman I, Verwayen EH, Kanaar R, Smits VA, Lakin ND (2008) ATR and Rad17 collaborate in modulating Rad9 localisation at sites of DNA damage. *J. Cell Sci.*, Dec 2008; 121: 3933 - 3940

Michael E. Hughes, Luciano DiTacchio, Kevin R. Hayes, Christopher Vollmers, S. Pulivarthy, Julie E. Baggs, Satchidananda Panda, John B. Hogenesch (2009) Harmonics of Circadian Gene Transcription in Mammals. *PLoS Genet* 5(4): e1000442. doi:10.1371/journal.pgen.1000442

Anu Olkku, Anitta Mahonen (2009) Calreticulin mediated glucocorticoid receptor export is involved in beta-catenin translocation and Wnt signalling inhibition in human osteoblastic cells. *Bone*, April 2009, Vol. 44(4), 555-565.

Amrei Steinhoff, Friederike Katharina Pientka, Sylvia Möckel, Antje Kettelhake, Enno Hartmann, Matthias Köhler, Reinhard Depping (2009) Cellular oxygen sensing: Importins and exportins are mediators of intracellular localisation of prolyl-4-hydroxylases PHD1 and PHD2. *Biochemical and Biophysical Research Communications* 387 (2009) 705-711.

Da-Qiang Li, Sirigiri Divijendra Natha Reddy, Suresh B. Pakala, Xifeng Wu, Yanping Zhang, Suresh K. Rayala, and Rakesh Kumar (2009) MTA1 Coregulator Regulates p53 Stability and Function. *J. Biol. Chem.*, Dec 2009; 284: 34545-34552.

### U-251 MG

ATCCno. Or ECACCno.

Source glioblastoma

Morphology

Species human

Growth Properties adherent

References

Results Summary	good: 3
<p>Kouichi Tabu, Ken Sasai, Taichi Kimura, Lei Wang, Eiko Aoyanagi, Shinji Kohsaka, Mishie Tanino, Hiroshi Nishihara, Shinya Tanaka (2008) Promoter hypomethylation regulates CD133 expression in human gliomas. <i>Cell Research</i> 18, 1037 - 1046 (03 Oct 2008)</p>	
<p>Benjamin Kefas et al. (2009) The Neuronal MicroRNA miR-326 Acts in a Feedback Loop with Notch and Has Therapeutic Potential against Brain Tumors. <i>J. Neurosci.</i>, Dec 2009; 29: 15161-15168.</p>	
<p>Fuxue Chen, Yaming Xu, Youqun Luo, Da Zheng, Yichao Song, Kangkang Yu, Hong Li, Li Zhang, Weiwei Zhong and Yonghua Ji (2010) Down-Regulation of Stat3 Decreases Invasion Activity and Induces Apoptosis of Human Glioma Cells. <i>Journal of Molecular Neuroscience</i>, March 2010, Vol. 40, No. 3, 353-359.</p>	

<b>U-373 MG</b>	
ATCCno. Or ECACCno.	ECACC-No: 89081403
Source	brain, glioblastoma astrocytoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 3
<p>Hidetaka Sadanari, Junji Tanaka, Zhuan Li, Rie Yamada, Keiko Matsubara, Tsugiyu Murayama (2009) Proteasome inhibitor differentially regulates expression of the major immediate early genes of human cytomegalovirus in human central nervous system-derived cell lines. <i>Virus Res.</i>, 2009 Jun; 142(1-2):68-77.</p>	
<p>Benjamin Kefas et al. (2009) The Neuronal MicroRNA miR-326 Acts in a Feedback Loop with Notch and Has Therapeutic Potential against Brain Tumors. <i>J. Neurosci.</i>, Dec 2009; 29: 15161-15168.</p>	
<p>Hu Zhu, Xinyu Cao, Francis Ali-Osman, Stephen Keir, Hui-Wen Lo (2010) EGFR and EGFRvIII interact with PUMA to inhibit mitochondrial translocation of PUMA and PUMA-mediated apoptosis independent of EGFR kinase activity. <i>Cancer Letters</i>, In Press;</p>	

<b>U-87 MG</b>	
ATCCno. Or ECACCno.	ATCC® HTB-14™
Source	glioblastoma; astrocytoma; brain
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 11
<p>See also <a href="#">Cell-type specific protocols and data</a></p>	
<p>Benjamin Kefas, Jakub Godlewski, Laurey Comeau, Yunqing Li, Roger Abounader, Michael Hawkinson, Jeongwu Lee, Howard Fine, E. Antonio Chiocca, Sean Lawler, and Benjamin Purow (2008) microRNA-7 Inhibits the Epidermal Growth Factor Receptor and the Akt Pathway and Is Down-regulated in Glioblastoma. <i>Cancer Res.</i>, May 2008; 68: 3566 - 3572</p>	

Benjamin W. Purow, Tilak K. Sundaresan, Michael J. Burdick, Benjamin A. Kefas, Laurey D. Comeau, Michael P. Hawkinson, Qin Su, Yuri Kotliarov, Jeongwu Lee, Wei Zhang, and Howard A. Fine (2008) Notch-1 regulates transcription of the epidermal growth factor receptor through p53. *Carcinogenesis*, May 2008; 29: 918 - 925

Meghdad Rahdar, Takanari Inoue, Tobias Meyer, Jin Zhang, Francisca Vazquez and Peter N. Devreotes (2009) A phosphorylation-dependent intramolecular interaction regulates the membrane association and activity of the tumor suppressor PTEN. *J. Clin. Endocrinol. Metab.*, Feb 2009; 94: 615 - 622.

Sigal Starinsky-Elbaz, Lior Faigenbloom, Eitan Friedman, Reuven Stein, Yoel Kloog (2009) The pre-GAP-related domain of neurofibromin regulates cell migration through the LIM kinase/cofilin pathway. *Molecular and Cellular Neuroscience*, 2009, 42, 278-287.

Benjamin Kefas et al. (2009) The Neuronal MicroRNA miR-326 Acts in a Feedback Loop with Notch and Has Therapeutic Potential against Brain Tumors. *J. Neurosci.*, Dec 2009; 29: 15161-15168.

Hideo Mure, Kazuhito Matsuzaki, Keiko T. Kitazato, Yoshifumi Mizobuchi, Kazuyuki Kuwayama, Teruyoshi Kageji, and Shinji Nagahiro (2010) Akt2 and Akt3 play a pivotal role in malignant gliomas. *Neuro-Oncology*, 2010, 12(3):221-232.

Traci E. Stankiewicz, Kelsey L. Haaning, Janelle M. Owens, Alys S. Jordan, Kelly Gammon, Heather A. Bruns, Susan A. McDowell (2010) GTPase activating protein function of p85 facilitates uptake and recycling of the beta1 integrin. *Biochemical and Biophysical Research Communications*, Jan 2010, Volume 391, Issue 1, 443-448.

Hu Zhu, Xinyu Cao, Francis Ali-Osman, Stephen Keir, Hui-Wen Lo (2010) EGFR and EGFRvIII interact with PUMA to inhibit mitochondrial translocation of PUMA and PUMA-mediated apoptosis independent of EGFR kinase activity. *Cancer Letters*, In Press;

### U-937

ATCCno. Or ECACCno.	ATCC® CRL-1593.2™
Source	lymphoma, histiocytic; macrophage, histiocyte
Morphology	monocyte
Species	human
Growth Properties	suspension

#### References

Results Summary good: 1

Jianguo Wu, Pasha Apontes, Lei Song, Ping Liang, Lily Yang, and Fengzhi Li (2007) Molecular mechanism of upregulation of survivin transcription by the AT-rich DNA-binding ligand, Hoechst33342: evidence for survivin involvement in drug resistance. *Nucleic Acids Res.*, Apr 2007; 35: 2390 – 2402.

### U12-1

ATCCno. Or ECACCno.	
Source	glioblastoma
Morphology	
Species	human
Growth Properties	

#### References

Results Summary	good: 1
<p>Kouichi Tabu, Yusuke Ohba, Tadaki Suzuki, Yoshinori Makino, Taichi Kimura, Akiko Ohnishi, Mieko Sakai, Takuya Watanabe, Shinya Tanaka, and Hirofumi Sawa (2007) Oligodendrocyte Lineage Transcription Factor 2 Inhibits the Motility of a Human Glial Tumor Cell Line by Activating RhoA. <i>Mol. Cancer Res.</i>, Oct 2007; 5: 1099 - 1109.</p>	

<b>UACC-893</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1902™
Source	breast; mammary gland; primary ductal carcinoma
Morphology	epithelial
Species	human
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Ser Sue Ng, Tokameh Mahmoudi, Esther Danenberg, Inés Bejaoui, Wim de Lau, Hendrik C. Korswagen, Mieke Schutte, and Hans Clevers (2009) Phosphatidylinositol 3-Kinase Signaling Does Not Activate the Wnt Cascade. <i>J. Biol. Chem.</i>, Dec 2009; 284: 35308-35313.</p>	

<b>UMR-106</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1661™
Source	bone, osteosarcoma
Morphology	epithelial
Species	rat
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Ritter V, Thuering B, Saint Mezard P, Luong-Nguyen NH, Seltene Meyer Y, Junker U, Fournier B, Susa M, Morvan F (2009) Follicle-Stimulating Hormone Does Not Impact Male Bone Mass In Vivo or Human Male Osteoclasts In Vitro. <i>Calcif Tissue Int</i> (2008) 82:383-391</p>	

<b>UT-SCC-2</b>	
ATCCno. Or ECACCno.	Jokilehto et al., <i>Clinical cancer research</i> 12 (2006), 1080-1087
Source	head and neck squamous cell carcinoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 2
<p>Krista Rantanen, Juha Pursiheimo, Heidi Högel, Virpi Himanen, Eric Metzen, and Panu M. Jaakkola (2008) Prolyl Hydroxylase PHD3 Activates Oxygen-dependent Protein Aggregation. <i>Endocrinology</i>, Mar 2008; 10.1210/en.2007-1652.</p>	
<p>Krista Rantanen, Juha Pursiheimo, Heidi Högel, Virpi Himanen, Eric Metzen, and Panu M. Jaakkola (2008) Prolyl</p>	



Hydroxylase PHD3 Activates Oxygen-dependent Protein Aggregation. *Mol. Biol. Cell*, May 2008; 19: 2231 - 2240

<b>UW228</b>	
ATCCno. Or ECACCno.	
Source	medulloblastoma
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Lo HW, Cao X, Zhu H, and Ali-Osman F (2008) Constitutively Activated STAT3 Frequently Coexpresses with Epidermal Growth Factor Receptor in High-Grade Gliomas and Targeting STAT3 Sensitizes Them to Iressa and Alkylators. <i>Clin. Cancer Res.</i>, Oct 2008; 14: 6042 - 6054</p>	

<b>VC8</b>	
ATCCno. Or ECACCno.	
Source	hamster cell line, deficient in the protein BRCA2
Morphology	
Species	Chinese hamster
Growth Properties	
References	
Results Summary	good: 1
<p>Stacey L. Edwards, Rachel Brough, Christopher J. Lord, Rachael Natrajan, Radost Vatcheva, Douglas A. Levine, Jeff Boyd, Jorge S. Reis-Filho, Alan Ashworth (2008) Arp2/3 complex interactions and actin network turnover in lamellipodia. <i>The EMBO Journal</i> (28 Feb 2008), doi: 10.1038/emboj.2008.34</p>	

<b>Vero</b>	
ATCCno. Or ECACCno.	ATCC® CCL-81™
Source	kidney, normal
Morphology	epithelial
Species	monkey, African green
Growth Properties	adherent
References	
Results Summary	good: 9
<p>da Silva CV, da Silva EA, Cruz MC, Chavrier P, Mortara RA (2009) ARF6, PI3-kinase and host cell actin cytoskeleton in <i>Toxoplasma gondii</i> cell invasion. <i>Biochemical and Biophysical Research Communications</i>, Volume 378, Issue 3, 656-661</p>	
<p>Leege T, Fuchs W, Granzow H, Kopp M, Klupp BG, and Mettenleiter TC (2009) Effects of Simultaneous Deletion of pUL11 and Glycoprotein M on Virion Maturation of Herpes Simplex Virus Type 1. <i>Journal of Virology</i>, January 2009, p. 896-907, Vol. 83, No. 2; doi:10.1128/JVI.01842-08</p>	
<p>Cheng F, Weidner-Glunde M, Varjosalo M, Rainio EM, Lehtonen A, Schulz TF, Koskinen PJ, Taipale J, Ojala PM (2009) KSHV reactivation from latency requires Pim-1 and Pim-3 kinases to inactivate the latency-associated nuclear</p>	

antigen LANA. PLoS Pathog 5(3): e1000324. doi:10.1371/journal.ppat.1000324

Tobias Leege, Harald Granzow, Walter Fuchs, Barbara G. Klupp and Thomas C. Mettenleiter (2009) Phenotypic similarities and differences between UL37-deleted pseudorabies virus and herpes simplex virus type 1. *Journal of General Virology* (2009), 90, 1560-1568.

Philippe Plattet, Johannes P.M. Langedijk, Ljerka Zipperle, Marc Vandeveld, Claes Örvell, and Andreas Zurbriggen (2009) Conserved leucine residue in the head region of Morbillivirus fusion protein regulates the large conformational change during fusion activity. *Biochemistry*, 2009, 48 (38), pp 9112-9121.

Thomas Kuri, Xiaonan Zhang, Matthias Habjan, Luis Martínez-Sobrido, Adolfo García-Sastre, Zhenghong Yuan and Friedemann Weber (2009) Interferon priming enables cells to partially overturn the SARS coronavirus-induced block in innate immune activation. *J Gen Virol*, 90 (2009), 2686-2694; DOI 10.1099/vir.0.013599-0

Andrea Gomez Corredor, Denis Archambault (2009) The bovine immunodeficiency virus Rev protein: identification 1 of a novel lentiviral 2 bipartite nuclear localization signal harbouring an atypical spacer sequence. *Journal of Virology*, 2009, Vol. 83(24), 12842-12853.

<b>Vero E6</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1586™
Source	kidney, normal
Morphology	epithelial
Species	monkey, African green
Growth Properties	adherent
References	
Results Summary	good: 1
<p>Andrea Paluschkiwitz, Katharina Keisers, Karin Fleßner, Marijana Gelo, Frank T. Hufert, and Martin Spiegel (2008) Efficient Transfection of VeroE6 Cells with DNA and RNA for Luciferase Reporter Assays Using FuGENE® HD Transfection Reagent. <a href="#">BIOCHEMICA, No.2, 2008, p. 12-14</a></p>	

<b>WEHI-231</b>	
ATCCno. Or ECACCno.	ATCC® CRL-1702™
Source	lymphoma; B lymphocyte
Morphology	lymphoblast
Species	mouse
Growth Properties	suspension
References	
Results Summary	neutral: 1
<p>Personal communication</p>	

<b>WERI-Rb-1</b>	
ATCCno. Or ECACCno.	ATCC® HTB-169™
Source	eye; retina; retinoblastoma
Morphology	grape-like clusters of round cells
Species	human

Growth Properties	suspension
References	
Results Summary	good: 3
<p>Iwan Jones, Lily Ng, Hong Liu, Douglas Forrest (2007) An intron control region differentially regulates expression of thyroid hormone receptor <math>\beta 2</math> in the cochlea, pituitary and cone photoreceptors. <i>Molecular Endocrinology</i>. First published ahead of print March 6, 2007 as doi:10.1210/me.2007-0037.</p>	
<p>Liu H, Etter P, Hayes S, Jones I, Nelson B, Hartman B, Forrest D, Reh TA (2009) NeuroD1 Regulates Expression of Thyroid Hormone Receptor 2 and Cone Opsins in the Developing Mouse Retina. <i>J. Neurosci.</i>, January 16, 2008, 28(3):749-756</p>	
<p>Liu H, Etter P, Hayes S, Jones I, Nelson B, Hartman B, Forrest D, Reh TA (2009) NeuroD1 Regulates Expression of Thyroid Hormone Receptor 2 and Cone Opsins in the Developing Mouse Retina. <i>J. Neurosci.</i>, January 16, 2008, 28(3):749-756</p>	

<b>XP2YO(SV)</b>	
ATCCno. Or ECACCno.	
Source	Xeroderma pigmentosum: F group XP patient XP2YO derived skin fibroblast transformed by SV40
Morphology	
Species	human
Growth Properties	
References	
Results Summary	good: 1
<p>Wakasugi M, Kasashima H, Fukase Y, Imura M, Imai R, Yamada S, Cleaver JE, Matsunaga T (2009) Physical and functional interaction between DDB and XPA in nucleotide excision repair. <i>Nucleic Acids Research</i>, Vol. 37, No. 2 516-525</p>	

<b>Y1</b>	
ATCCno. Or ECACCno.	ECACC-No: 85062807
Source	adrenal cortex
Morphology	epithelial
Species	mouse
Growth Properties	adherent
References	
Results Summary	good: 2
<p>Yang WH, Heaton JH, Brevig H, Mukherjee S, Iniguez-Lluhi JA, Hammer GD (2009) SUMOylation Inhibits SF-1 Activity by Reducing CDK7-Mediated Serine 203 Phosphorylation. <i>Mol Cell Biol.</i> 2009 Feb;29(3):613-25</p>	
<p>Jannet Kocerha, Melinda S. Prucha, Kevin J. Kroll, Dieter Steinhilber, and Nancy Denslow (2010) Regulation of Steroidogenic Acute Regulatory Protein Transcription in Largemouth Bass by Orphan Nuclear Receptor Signaling Pathways. <i>Endocrinology</i>, 2010 Jan;151(1):341-9.</p>	

<b>YB2/0</b>
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ATCCno. Or ECACCno.	ATCC® CRL-1662™
Source	hybridoma: B lymphoblast
Morphology	ymphoblast
Species	rat
Growth Properties	suspension
References	
Results Summary	good: 2
Personal communication	

<b>ZF4</b>	
ATCCno. Or ECACCno.	ATCC® CRL-2050™
Source	1 day old embryo
Morphology	fibroblast
Species	Danio rerio (zebrafish)
Growth Properties	adherent
References	
Results Summary	good: 1
Nadine Wittkopp, Eric Huntzinger, Catrin Weiler, Jerome Sauliere, Steffen Schmidt, Mahendra Sonawane, and Elisa Izaurralde (2009) Nonsense-mediated mRNA decay effectors are essential for zebrafish embryonic development and survival. <i>Mol. Cell. Biol.</i> , Jul 2009; 29: 3517-3528.	

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