

List of Available Domain Libraries for ULTimate Y1H, Y2H and Y3H (November 2011)

Human cDNA random-primed

Tissues

- › Brain Adult
- › Brain Fetal (20 weeks)
- › Breast (Glandular)
- › Colon
- › Heart Adult/Fetal (Pool of adult left ventricle and fetal 19 weeks)
- › Liver
- › Lung
- › Muscle Skeletal Adult/Fetal (18-19 weeks)
- › Pancreas
- › Placenta
- › Retina
- › Skin Reconstituted (Keratinocytes grown on a collagen base)
- › Testis

Primary cells

- › Fibroblasts
- › Leukocytes + Activated Mononuclear Cells
- › Melanocytes
- › Thymocytes (CD4+ and CD8+)

Cell lines

- › Bone Marrow Endothelial Cells (HBMEC*)
- › Breast Tumor Epithelial Cells (T47D, MDA-MB-468, MCF7, BT20)
- › Colon Tumor Epithelial Cells (Caco2, HCA7, Colo205, SW480)
- › Brown Adipocytes (Differentiated PAZ6**)
- › Pre-Adipocytes (Undifferentiated PAZ6**)
- › T-cells (CEMC7)

*Schweitzer *et al.* Lab Invest. 1997, 76:25-36 ** Zilberfarb *et al.* J Cell Sci 1997, 110:801-7

Rodent cDNA random-primed

- › Mouse Brain Adult
- › Mouse Brain Embryo (E10.5 and E12.5)
- › Mouse Inner Ear (Vestibular sensory epithelia)
- › Mouse Kidney
- › Mouse Neurospheres Adult
- › Mouse Pancreas Beta-Cells
- › Rat Hippocampus
- › Rat Rear Brain (Substantia nigra/VTA, mesencephalum)

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Model organism cDNA random-primed

- › *Caenorhabditis elegans* Mixed Stages (Embryo, L1 to L4, dauer larvae, and adult stages from males + hermaphrodites; pool of unstressed, heat-shocked and starved populations)
- › *Caenorhabditis elegans* Embryo
- › *Danio rerio* Embryo (Zebrafish 18-20 hpf)
- › *Dictyostelium discoideum* (Vegetative, aggregative and slug)
- › *Drosophila melanogaster* Embryo (0-12h and 12-24h)
- › *Drosophila melanogaster* Adult Head
- › *Oryzias latipes* Embryo (Medaka)

Plant - cDNA random-primed

- › *Arabidopsis thaliana* Seedlings (One-week old)
- › *Arabidopsis thaliana* Flowers
- › *Nicotiana benthamiana* Mixed Tissues (40% mock leaf, 10% root, 10% whole plant, 10% SYNIV Infected, 10% SYNIV recovered, 10% TBSV infected leaf, 10% SA treated leaf).
- › *Solanum lycopersicum* Fruits (Tomato)
- › *Oryza sativa* Leaves and Roots (Rice)
- › *Triticum aestivum* Heads, Leaves and Roots (Wheat)

Green algae - cDNA random-primed

- › *Chlamydomonas reinhardtii*

Yeast

- › *Saccharomyces cerevisiae* (Genomic library)
- › *Schizosaccharomyces pombe* (cDNA library)

Bacteria - genomic

- › *Helicobacter pylori*
- › *Escherichia coli*
- › *Staphylococcus aureus*
- › *Streptococcus pneumoniae*
- › *Streptococcus pyogenes*

Parasites and hosts

- › *Trypanosoma brucei* (Genomic library)
- › *Aedes albopictus* (cDNA library)

**If you are interested in a specific library not currently listed,
please contact us to discuss feasibility of custom-made libraries!**