

## AVAILABLE LIBRARIES FOR DUALHYBRID SERVICES

### HUMAN TISSUE

<i>Tissue</i>	<i>Stage</i>	<i>mRNA source</i>	<i>1st strand</i>	<i>Complexity</i>	<i>Average insert size</i>	<i>% with insert</i>	<i>Type of Transformation</i>
normalized universal	adult	mixture of mRNA from a collection of adult human tissues. Both male and female donors are represented. 92% of all human cDNA's represented!	Sfi I dT 30 primed	2.8 x 10E6	1.58 kb	n.a.	mating
normalized brain	adult	normal, whole brains from 8 male Caucasians (ages: 43-66); cause of death: sudden death	Sfi I dT 30 primed	3.2 x 10E6	1.56 kb	n.a.	mating
brain (fetal)	fetal	normal human fetal brain pooled from 59 spontaneously aborted Caucasian male/female fetuses (ages: 20-33 weeks)	oligo dT	8.6 x 10E6	n.a.	n.a.	mating
bone marrow	adult	normal bone marrow pooled from 17 male/female Caucasians (ages: 20-61); cause of death: Sudden Death	oligo dT	8.8 x 10E6	n.a.	n.a.	mating
colon	adult	from a 51-yr-old male African American; cause of death: Colectomy	oligo dT/ random	2.4 x 10E6	0.8 kb	100%	seq. trafo
heart	adult	normal, whole hearts pooled from 3 male Caucasians (ages 33, 55, 55), cause of death: trauma	oligo dT	1.2 x 10E7	n.a.	n.a.	mating
kidney	adult	normal, whole kidneys pooled from 8 male/female Caucasians, ages 24-55	oligo dT	3.5 x 10E6	2.0 kb	95%	seq. trafo
leukocytes	adult	normal, peripheral blood leukocytes pooled from 550 male/female Caucasians, ages 18-40, all samples negativ for HIV-I/II, Hepatitis B, Syphilis	oligo dT	3.5 x 10E6	2.0 kb	90%	seq. trafo
liver	adult	normal human liver pooled from 4 male/female Caucasians (ages 44-50), cause of death: trauma	oligo dT	1.3 x 10E8	n.a.	n.a.	mating
lymph node	adult	normal, whole lymph nodes pooled from 34 male/ female Caucasians, ages 14-70; cause of death: trauma	oligo dT	3.5 x 10E6	2.0 kb	87%	seq. trafo
ovary	adult	normal, whole ovaries pooled from 5 Caucasians (ages: 30-60); cause of death: trauma	XhoI-(dt)15 primed	3.5 x 10E6	1.8 kb	n.a.	mating
pancreas	adult	normal, whole pancreas pooled from 10 male/ female Caucasians, ages 40-61; cause of death: trauma	oligo dT	3.5 x 10E6	2.0 kb	100%	seq. trafo
placenta	adult	normal term placentas pooled from 4 Caucasians (ages 25-41)	oligo dT	3.5 x 10E6	2.0 kb	95%	seq. trafo
skeletal muscle	adult	normal skeletal muscle pooled from 8 male/female Caucasians (ages 29-60), cause of death: trauma	XhoI dT15 primed	3.5 x 10E6	2.0 kb	n.a.	mating
small intestine	adult	n.a.	oligo dT/ random	2.7 x 10E6	1.0 kb	86%	seq. trafo
spleen	adult	normal, whole spleens pooled from 5 male/ female Caucasians (ages 44-70), cause of death: trauma	oligo dT	3.5 x 10E6	2.0 kb	87%	seq. trafo
testis	adult	normal human testis pooled from 45 Caucasians (ages: 14-64), cause of death: sudden death	oligo dT	1.4 x 10E7	n.a.	n.a.	mating

**HUMAN CELL LINE**

<i>Tissue</i>	<i>Stage</i>	<i>mRNA source</i>	<i>1st strand</i>	<i>Complexity</i>	<i>Average insert size</i>	<i>% with insert</i>	<i>Type of Transformation</i>
normalized HeLa S3 cells	n.a.	cervical Adenocarcinoma (HeLa S3, a clonal derivative of parent HeLa cell line)	Sfi I (dT)30 primed	3.2 x 10E6	1.4 kb	n.a.	mating
HeLa	n.a.	exponentially growing HeLa S3 cell line, ATCC #CCL 2,2	oligo dT	6.0 x 10E6	1.5 kb	93%	seq. trafo
hepatocellular carcinoma cells	n.a.	Human hepatocellular carcinoma cells (HCC)	oligo dT/ random	3.3 x 10E6	1.6 kb	100%	seq. trafo
keratinocytes	n.a.	HaCat cell line; derived from long-term primary culture of human adult skin keratinocytes	oligo dT	2.5 x 10E6	1.2 kb	85%	seq. trafo
LNCaP prostate cancer cells	n.a.	LNCaP human prostate cancer cell line	oligo dT/ random	1.8 x 10E6	1.2 kb	90%	seq. trafo

**MOUSE**

normalized universal	adult	mixture of mRNAs from a collection of mouse tissues. Both male and female animals are represented.	Sfi I dT 30 primed	2.8 x 10E6	1.58 kb	n.a.	mating
normalized brain	8-12 weeks	mixture of mRNAs isolated from whole brains from 800 male/ female BALB/C mice (ages: 8-12 weeks), cause of death: unknown.	Sfi I dT 30 primed	3.2 x 10E6	1.43 kb	n.a.	mating
brain	9-12 weeks	normal, whole brains pooled from 200 BALB/c males, ages 9-12 weeks	oligo dT	3.5 x 10E6	2.0 kb	95%	seq. trafo
embryo 11 days	Day 11	normal, whole 11-day embryos pooled from 300 male/female Webster mice	oligo dT	2.9 x 10E8	n.a.	n.a.	mating
embryo 17 days	Day 17	mouse 17-day Embryo	oligo dT	2.6 x 10E7	n.a.	n.a.	mating
testis	8-12 weeks	normal, whole testes pooled from 200 BALB/c mice, ages 8-12 weeks	oligo dT	3.5 x 10E6	2.0 kb	93%	seq. trafo
normalized mouse embryonic stem cell	embryonal	mRNA isolated from mouse embryonic stem cells (E14TG2A cell line)	Sfi I dT 30 primed	2.9 x 10E6	1.59 kb	n.a.	mating

**RAT**

liver	adult	pooled from 100 adult outbred Sprague-Dawley males	oligo dT	3.5 x 10E6	2.0 kb	100%	seq. trafo
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**MODEL ORGANISMS**

<i>Tissue</i>	<i>Stage</i>	<i>mRNA source</i>	<i>1st strand</i>	<i>Complexity</i>	<i>Average insert size</i>	<i>% with insert</i>	<i>Type of Transformation</i>
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**DROSOPHILA**

normalized Drosophila universal	mixed stages	mixture of mRNA from embryo (20h), larval and adult stage Drosophila melanogaster	Sfi I dT 30 primed	3.2 x 10E6	1.5 kb	n.a.	mating
whole animal	adult	Canton S, strain	oligo dT	3.5 x 10E6	1.9 kb	93%	seq. trafo
whole embryo	21 hours	Canton S. embryos	oligo dT	3.0 x 10E6	1.4 kb	90%	seq. trafo

**ARABIDOPSIS THALIANA**

normalized Arabidopsis universal	n.a.	mixture of mRNA isolated from 11 A. colombia tissues	Sfi I dT 30 primed	3.2 x 10E6	1.4 kb		mating
Arabidopsis mixed tissues	n.a.	Ecotype, Columbia (col-0), leaves 3rd week, inflorescence 4th week, roots grown in liquid culture medium	oligo dT	2.4 x 10E7	1.8 kb	100%	seq. trafo
Green vegetative tissue	3 week old	cv. Columbia	oligo dT/ random	3.0 x 10E6	1.2 kb		seq. trafo

**C. ELEGANS**

whole animal	adult	n.a.	oligo dT/ random	3.7 x 10E6	1.6 kb	95%	seq. trafo
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**S.CEREVISIAE**

whole organism	n.a.	n.a.	oligo dT/ random	1.0 x 10E7	1.9 kb	85%	seq. trafo
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**MICROORGANISMS****E.COLI**

genomic library	n.a.	E.coli K12 strain	oligo dT	1.4 x 10E6	1.0 kb	85%	seq. trafo
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