

Species Atlas

Arabidopsis thaliana

DataSet

39

Cell

1,856,094

Explore

Download

Bombax ceiba

DataSet

1

Cell

6,661

Explore

Download

Brassica rapa

DataSet

2

Cell

64,327

Explore

Download

Catharanthus roseus

DataSet

2

Cell

41,653

Explore

Download

Dataset information

Species

Select Species

Tissue

Select Tissue

BioProject

Select BioProject

Dataset

Select Dataset

Search

<input type="checkbox"/>	Species	Tissue	BioProject	Dataset	Condition	Genotype	Libraries		Explore
<input type="checkbox"/>	Arabidopsis thaliana	Root	PRJNA640389	SRP267870	<div></div>	<div></div>	10x Genomics	5 days	<div>Download</div>
<input type="checkbox"/>	Arabidopsis thaliana	Root	PRJNA594539	SRP235541	<div></div>	<div></div>	10x Genomics	6 days	<div>Download</div>
<input type="checkbox"/>	Arabidopsis thaliana	Root	PRJNA507252	SRP171040	<div></div>	<div></div>	10x Genomics	5 days	<div>Download</div>

Interactive UMAP

Interactive tSNE

\*Interactive plot is based on sampled data(500 per cell type).

View by

Cell type

Gene

Please enter

GO

Example

Arabidopsis thaliana Whole Plant

Export Plot

Cambium

Cortex

Dividing cell

Epidermis

Floral meristem

Mesophyll

Phloem

S-phase cell

Xylem parenchyma

Companion cell

Guard cell

Hydathode

Pavement cell

Phloem parenchyma

Senescing cell/stress

Vasculature

Cell Number in Each Cell type

Gene Number in Each Cell

Hydathode

Floral meristem

Xylem parenchyma

Procambium

Phloem parenchyma

S-phase cell

Lateral root cap

Stem cell niche

Xylem

Cambium

Senescing cell/stress

Phloem

Mesophyll

Epidermis

Vascular cell

Cortex

Procambium

Stele

Phloem

Marker

Detail

Sample

Gene ID	Gene Name	Tissue	Celltype	Celltype ID	Classic Marker	Source No.	Source Dataset
<a href="#">AT1G05260</a>	RCI3	Root	Root endodermis	PO:0005059	★	14	SRP148288;SRP166333;SRP169576;SRP171040;SRP173393;SRP182008;SRP235541;SRP267870;SRP273996;SRP285040;SRP285817;SRP330542;SRP332285;SRP394711
<a href="#">AT2G27370</a>	CASP3	Root	Root endodermis	PO:0005059	★	14	35605196;36135893;SRP148288;SRP166333;SRP169576;SRP171040;SRP173393;SRP182008;SRP235541;SRP267870;SRP273996;SRP285040;SRP285817;SRP330542;SRP332285;SRP394711
<a href="#">AT3G19450</a>	CAD4	Root	Root endodermis	PO:0005059	☆	14	SRP148288;SRP166333;SRP169576;SRP171040;SRP173393;SRP182008;SRP235541;SRP267870;SRP273996;SRP285040;SRP285817;SRP330542;SRP332285;SRP394711
<a href="#">AT3G32980</a>	AT3G32980	Root	Root endodermis	PO:0005059	☆	14	SRP148288;SRP166333;SRP169576;SRP171040;SRP173393;SRP182008;SRP235541;SRP267870;SRP273996;SRP285040;SRP285817;SRP330542;SRP332285;SRP394711
<a href="#">AT3G22620</a>	AT3G22620	Root	Root endodermis	PO:0005059	★	13	SRP148288;SRP166333;SRP169576;SRP171040;SRP173393;SRP182008;SRP235541;SRP267870;SRP273996;SRP285040;SRP285817;SRP330542;SRP394711

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