Tutorial for 'Cucurbit expression atlas'

This function takes a gene ID from the selected genome and outputs the expression profiles (FPKM values) of the queried gene in all corresponding projects/samples available in the database (**Figure 1**). The output page provides a 'download' link for each project that allows users to download files of read processing and alignment statistics, raw counts and expression values (FPKM for each run and average FPKM for each sample). Clicking the 'Show/hide all expression' link will show (expand) or hide (collapse) the expression information of the queried gene in samples of all projects (**Figure 2**), while clicking the 'Show/hide expression' link under each specific project will show (expand) or hide (collapse) the expression information of the queried gene in samples of the specific project (**Figure 3**).

Figure 1

Expression of CsaV3_3G042380 [Cucumber (Chinese Long) v3]

Show/hide all expression

PRJNA376073: Transcriptome responses to GA3 (non-strand-specific; Publication)   Download   **Show/hide expression**

Sample ID	Species	Genotype	Description	Expression (FPKM)
SRX2577785	Cucumis sativus	13_3B	Shoot apices without GA3 treatment	34.35
SRX2577783	Cucumis sativus	13_3B	Shoot apices treated with GA3 for 6 h	59.5
SRX2577781	Cucumis sativus	13_3B	Shoot apices treated with GA3 for 12 h	52.34

PRJNA613788: Transcriptome response to sugar treatment (non-strand-specific; Publication)   Download   **Show/hide expression**

Sample ID	Species	Genotype	Description	Expression (FPKM)
SAMN14419958	Cucumis sativus	ZK	Non-pollinated fruit	27.53
SAMN14419952	Cucumis sativus	ZK	Fruit at one day after anthesis treated with fructose	31.31
SAMN14419954	Cucumis sativus	ZK	Fruit at one day after anthesis treated with glucose	29.74
SAMN14419956	Cucumis sativus	ZK	Fruit at one day after anthesis treated with sucrose	31.85

PRJNA667293: Transcriptome profiling of lateral root development regulated by GA3 (non-strand-specific; Publication)   Download   **Show/hide expression**

Sample ID	Species	Genotype	Description	Expression (FPKM)
SAMN16365205	Cucumis sativus	Daqingba	Roots of seedlings with mock treatment at 2 days after germination	14.85
SAMN16365207	Cucumis sativus	Daqingba	Roots of seedlings treated with 50 uM GA3 at 2 days after germination	16.59

Figure 2

Expression of CsaV3_3G042380 [Cucumber (Chinese Long) v3]

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Figure 3