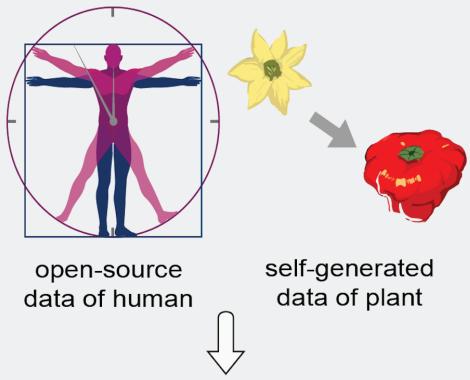


Materials

Omics from different time points



	day01	day02	day03
gene 1	1	4	4
gene 2	3	4	1
gene 3	2	2	3

Metabolite concentration

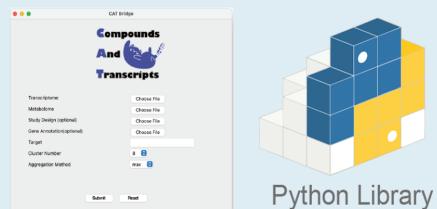
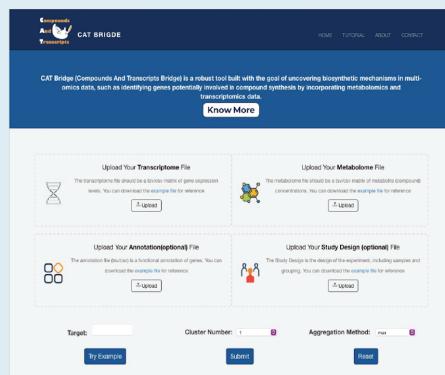
	day01	day02	day03
metabo.1	1.432	8.786	3.127
metabo.2	0	0	1.671
metabo.3	2.679	2.322	3.124

Methodology

Frame



Usage



Python Library

Results

causality/correlation

Gene	CCM	Spearman	Pearson	Granger
gene 1	0.55	0.22	0.08	0.61
gene 2	0.54	-0.07	0.01	0.51
gene 3	0.56	-0.22	0.03	0.67
gene 4	0.56	-0.52	-0.40	0.02
gene 5	0.48	-0.04	0.14	0.48
gene 6	0.55	-0.06	0.06	0.59
gene 7	0.46	-0.07	0.14	0.45

AI agent: Yuanfang

The Acyl-transferase enzyme may be involved in the synthesis of Capsaicin...



Visualization

