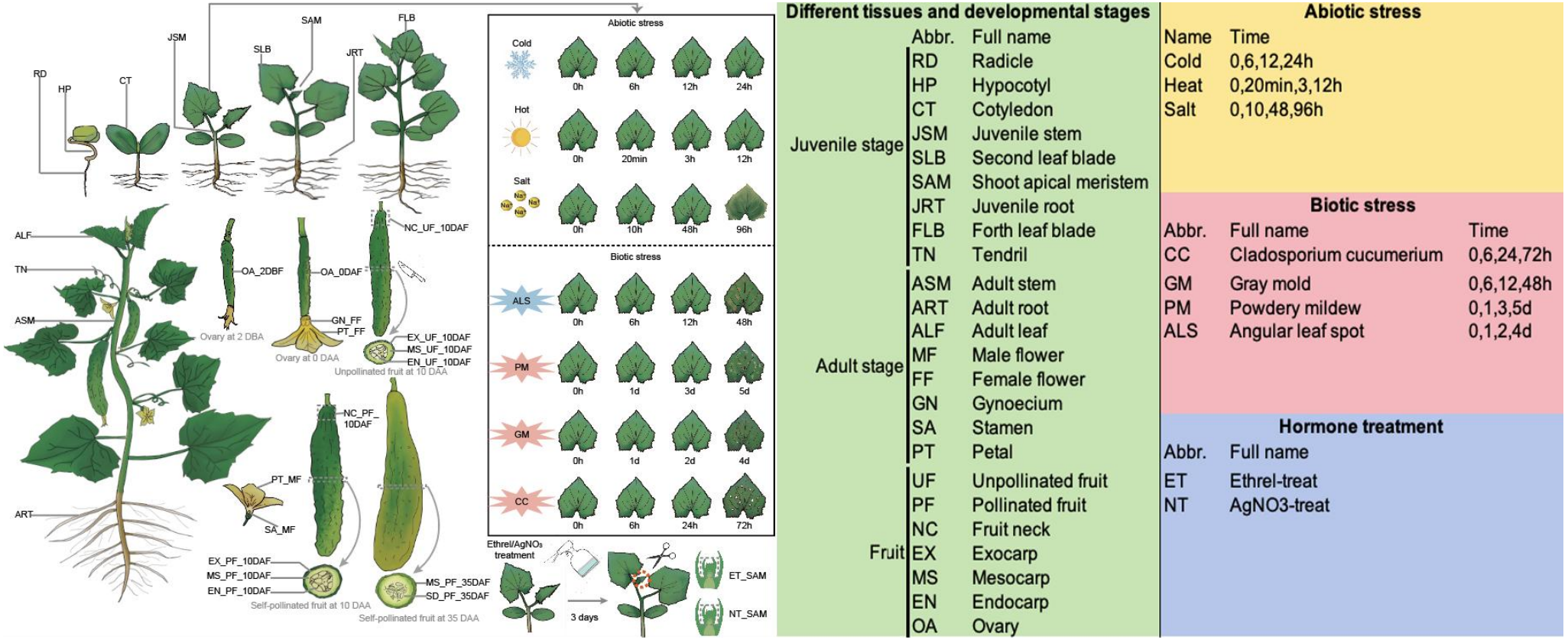


Different tissues and developmental stages

	Abbr.	Full name
Juvenile stage	RD	Radicle
	HP	Hypocotyl
	CT	Cotyledon
	JSM	Juvenile stem
	SLB	Second leaf blade
	SAM	Shoot apical meristem
	JRT	Juvenile root
	FLB	Forth leaf blade
	TN	Tendril
Adult stage	ASM	Adult stem
	ART	Adult root
	ALF	Adult leaf
	MF	Male flower
	FF	Female flower
	GN	Gynoecium
	SA	Stamen
	PT	Petal
Fruit	UF	Unpollinated fruit
	PF	Pollinated fruit
	NC	Fruit neck
	EX	Exocarp
	MS	Mesocarp
	EN	Endocarp
	OA	Ovary

Abiotic stress

Name	Time
Cold	0,6,12,24h
Heat	0,20min,3,12h
Salt	0,10,48,96h

Biotic stress

Abbr.	Full name	Time
CC	Cladosporium cucumerium	0,6,24,72h
GM	Gray mold	0,6,12,48h
PM	Powdery mildew	0,1,3,5d
ALS	Angular leaf spot	0,1,2,4d

Hormone treatment

Abbr.	Full name
ET	Ethrel-treat
NT	AgNO3-treat

Supplementary Fig. S1. Schematic representation of cucumber tissues, developmental stages, and treatment conditions used for transcriptomic analysis.

Different tissues and organs were collected at juvenile, adult, and fruit developmental stages. Abiotic stress treatments included cold, heat, and salt stress, while biotic stress treatments included angular leaf spot (ALS), powdery mildew (PM), gray mold (GM), and Cladosporium cucumerinum (CC). Hormone treatments included ethephon (ET) and silver nitrate (NT). Sampling time points for each treatment are indicated in the figure. Abbreviations for tissues, organs, developmental stages, and treatments are defined in the figure.