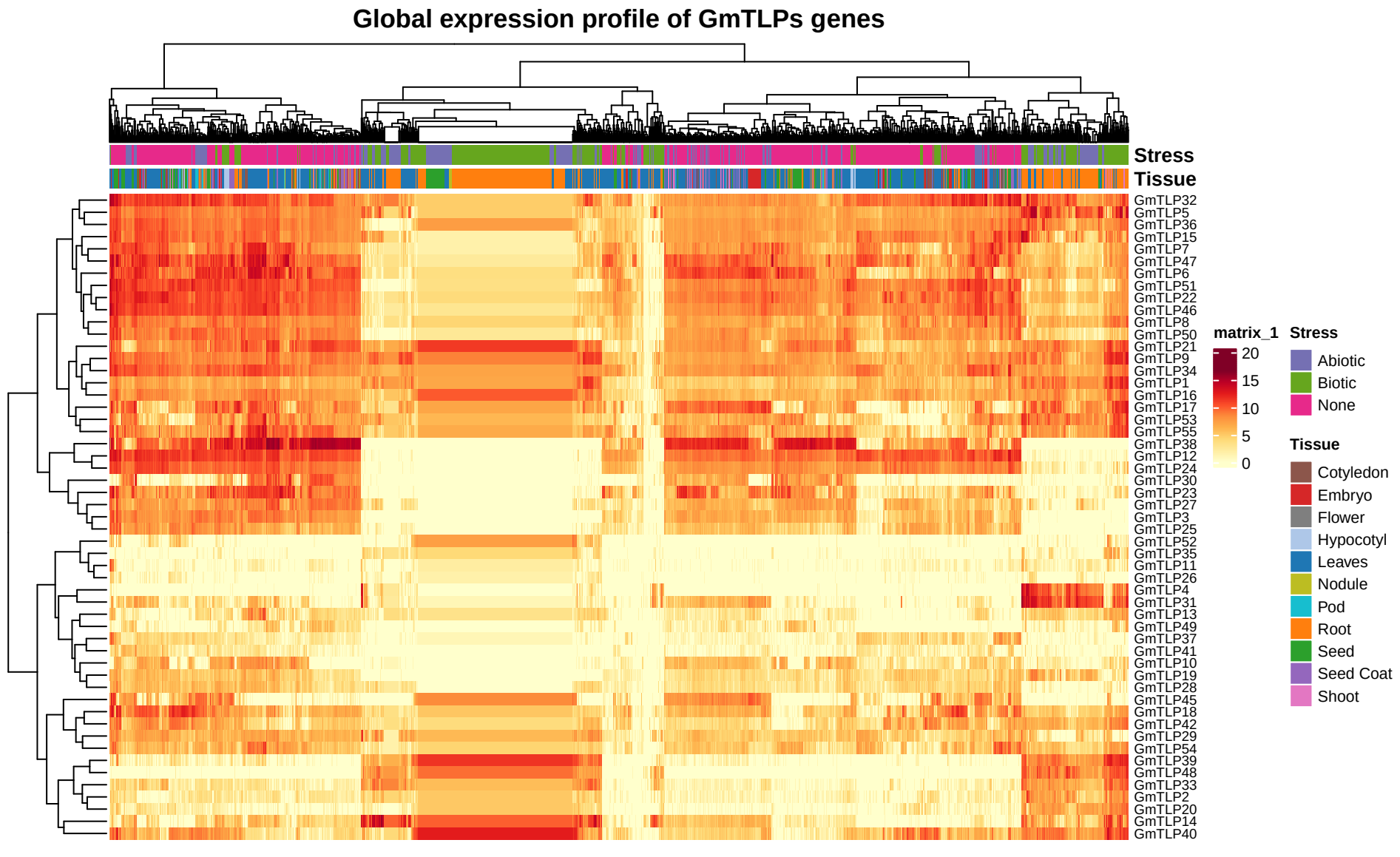
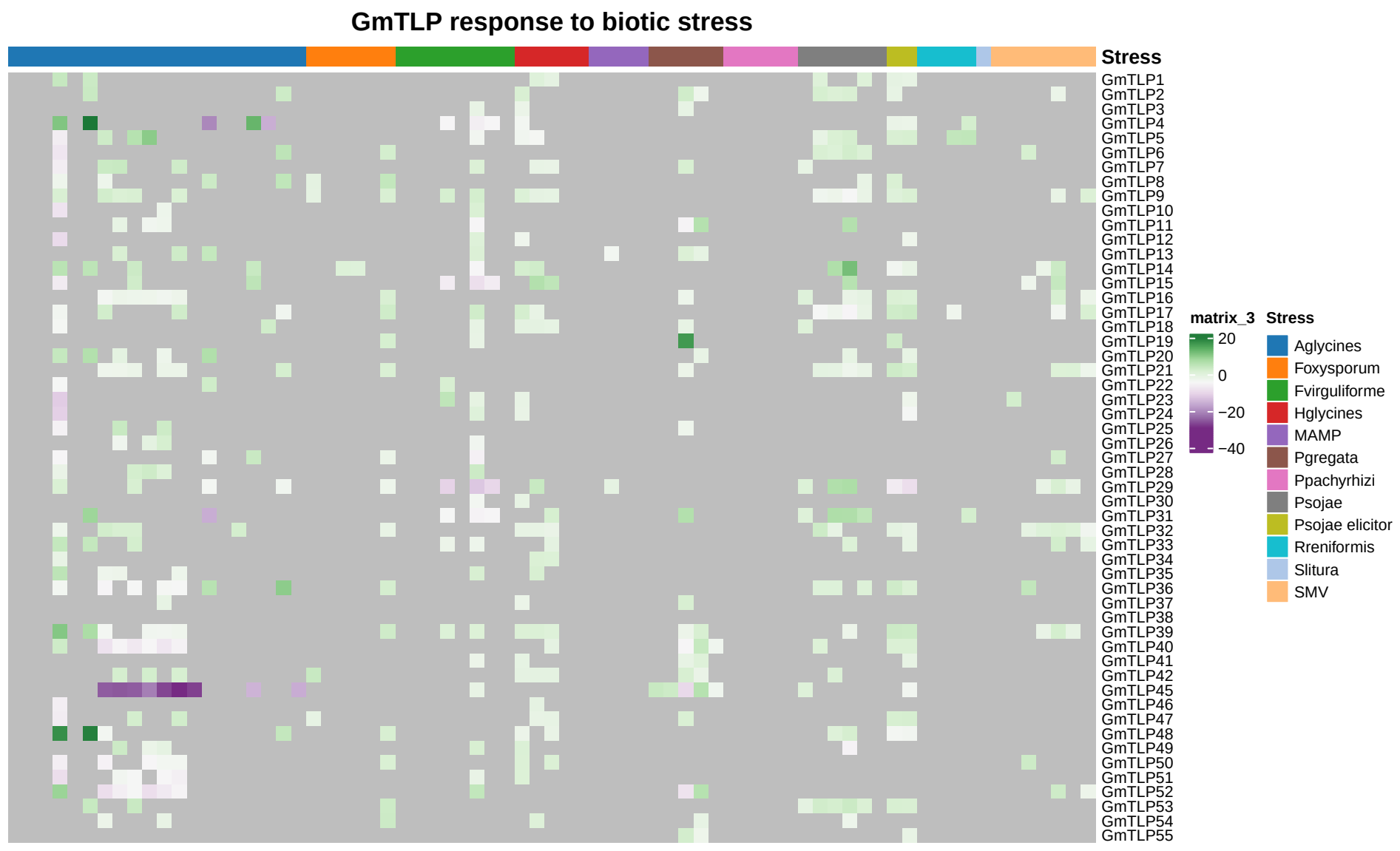
A


Global expression profile of GmTLPs genes
Stress
Tissue
matrix_1
20
15
10
5
0
Stress
Abiotic
Biotic
None
Tissue
Cotyledon
Embryo
Flower
Hypocotyl
Leaves
Nodule
Pod
Root
Seed
Seed Coat
Shoot

B

GmTLP response to abiotic stress
Stress
matrix_2
20
0
−20
−40
Stress
Acidity
Alkalinity
Cadmium
CO2
Cold
Drought
Heat
Herbicide
Iron
Nitrogen
Ozone
Phosphorus
Potassium
Salt

C


GmTLP response to biotic stress
Stress
matrix_3
20
0
−20
−40
Stress
Aglycines
Foxysporum
Fvirguliforme
Hglycines
MAMP
Pgregata
Ppachyrhizi
Psojae
Psojae elicitor
Rreniformis
Slitura
SMV