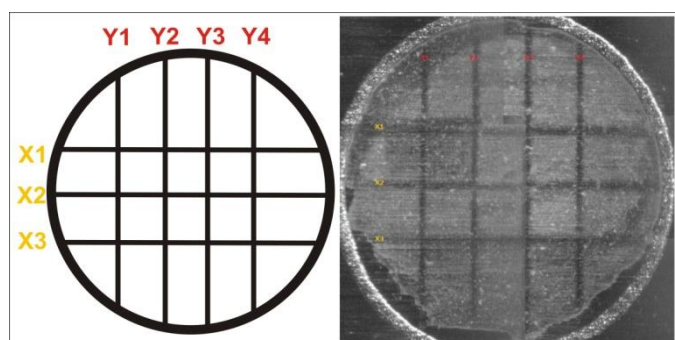


## Supplementary materials

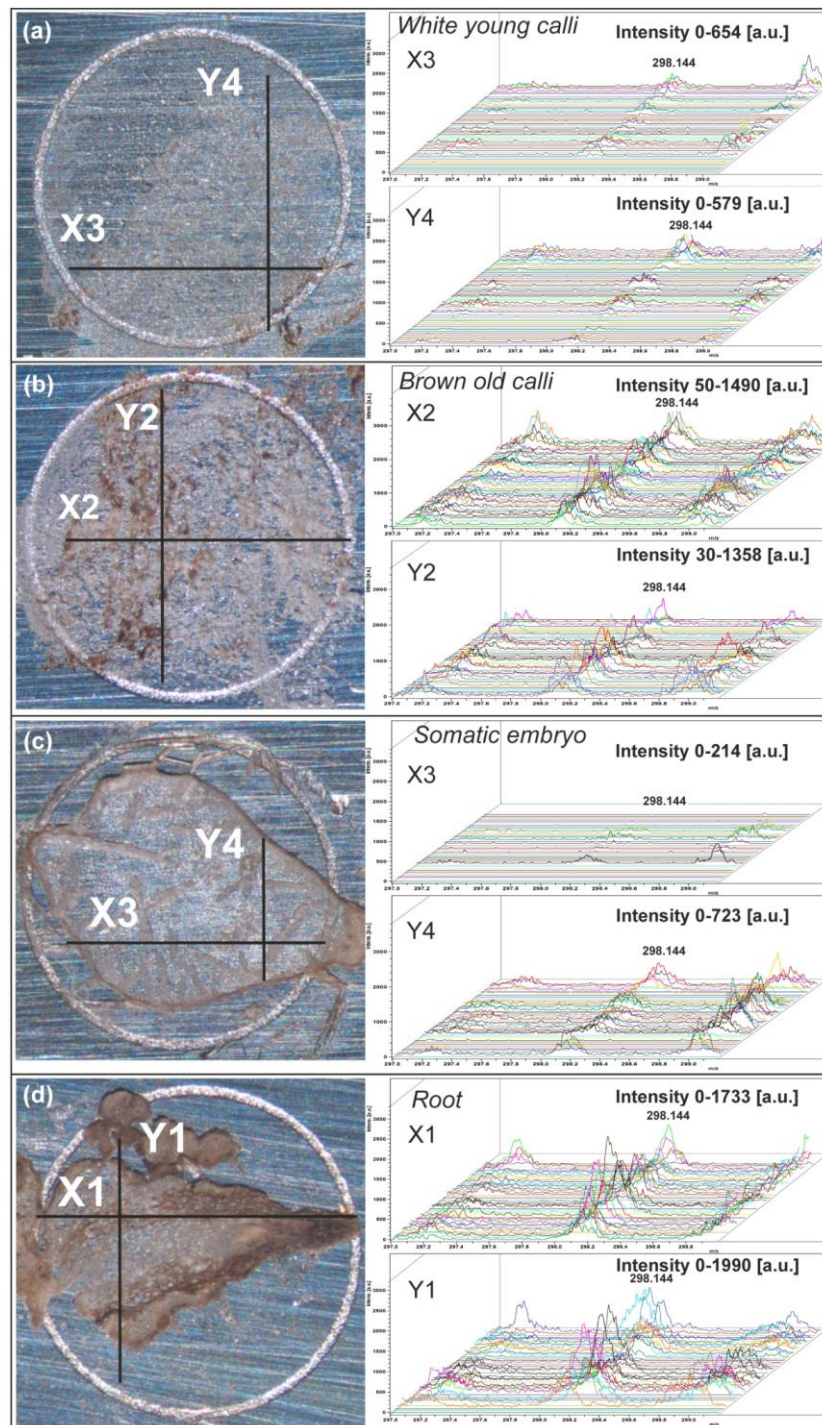
### Tempo-spatial pattern of stepharine accumulation in *Stephania glabra* morphogenic tissues

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### Supplementary Figures

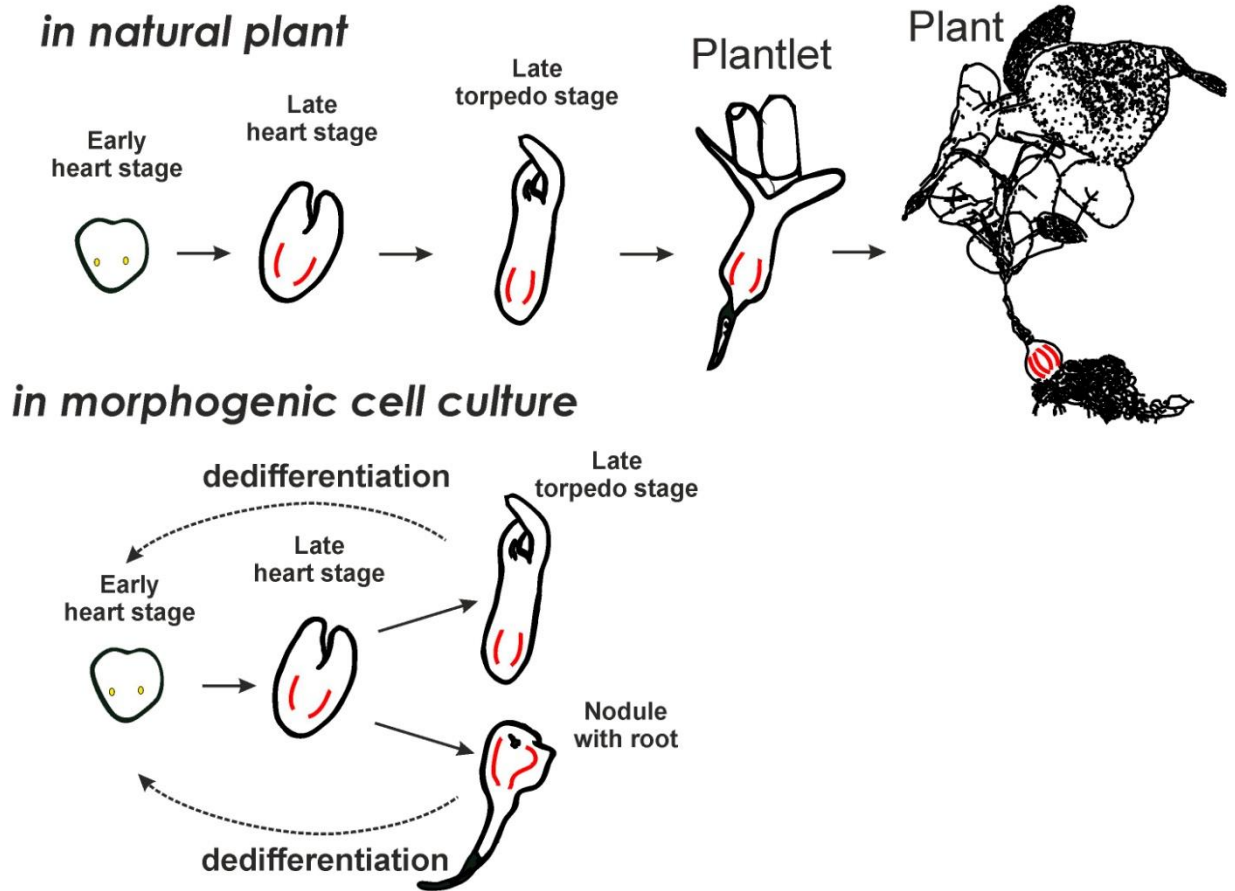


**Figure S1.** Raster array in both x and y dimensions on an MTP 384 target plate. Ground steel well. Standard diameter 40 mm.



**Figure S2.** Raster matrix-assisted laser desorption/ionization mass spectrometric (MALDI-MS) analysis of differentiated structures in the S2 line. (a) Image of the young calli and MALDI-MS distribution of the molecular mass  $m/z$  298.142 across young calli by raster X3, Y4. (b) Image of the mature calli and MALDI-MS distribution of the molecular mass  $m/z$  298.142 across this tissue by raster X2, Y2. (c) Image of the somatic embryo and MALDI-MS distribution of the molecular mass  $m/z$  298.142 across this structure by raster X3, Y4. (d) Image of the main root and MALDI-MS distribution of molecular mass  $m/z$  298.142 across this tissue by raster X1, Y1. [a.u.], arbitrary units.

## Formation of stepharine deposit sites (PI cells)



**Figure S3.** Scheme of stepharine deposit site formation *in vivo* and *in vitro* (yellow spots – initials of laticifers and PI cells; red lines – deposit sites of stepharine (PI cells)).