

A. Tissue collection



B. Extraction of CW glycans



C. Print Microarray

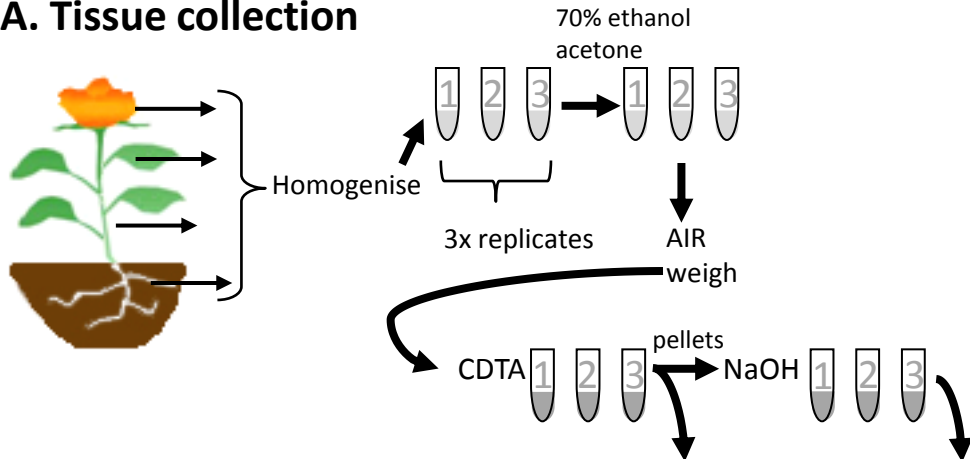


D. Probe with mAbs



E. Quantification

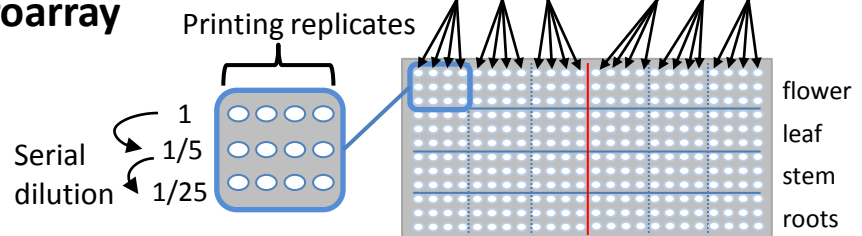
A. Tissue collection



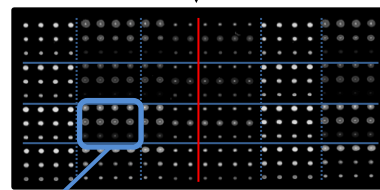
B. Extraction of CW glycans

CDTA extracted glycans NaOH extracted glycans

C. Print microarray

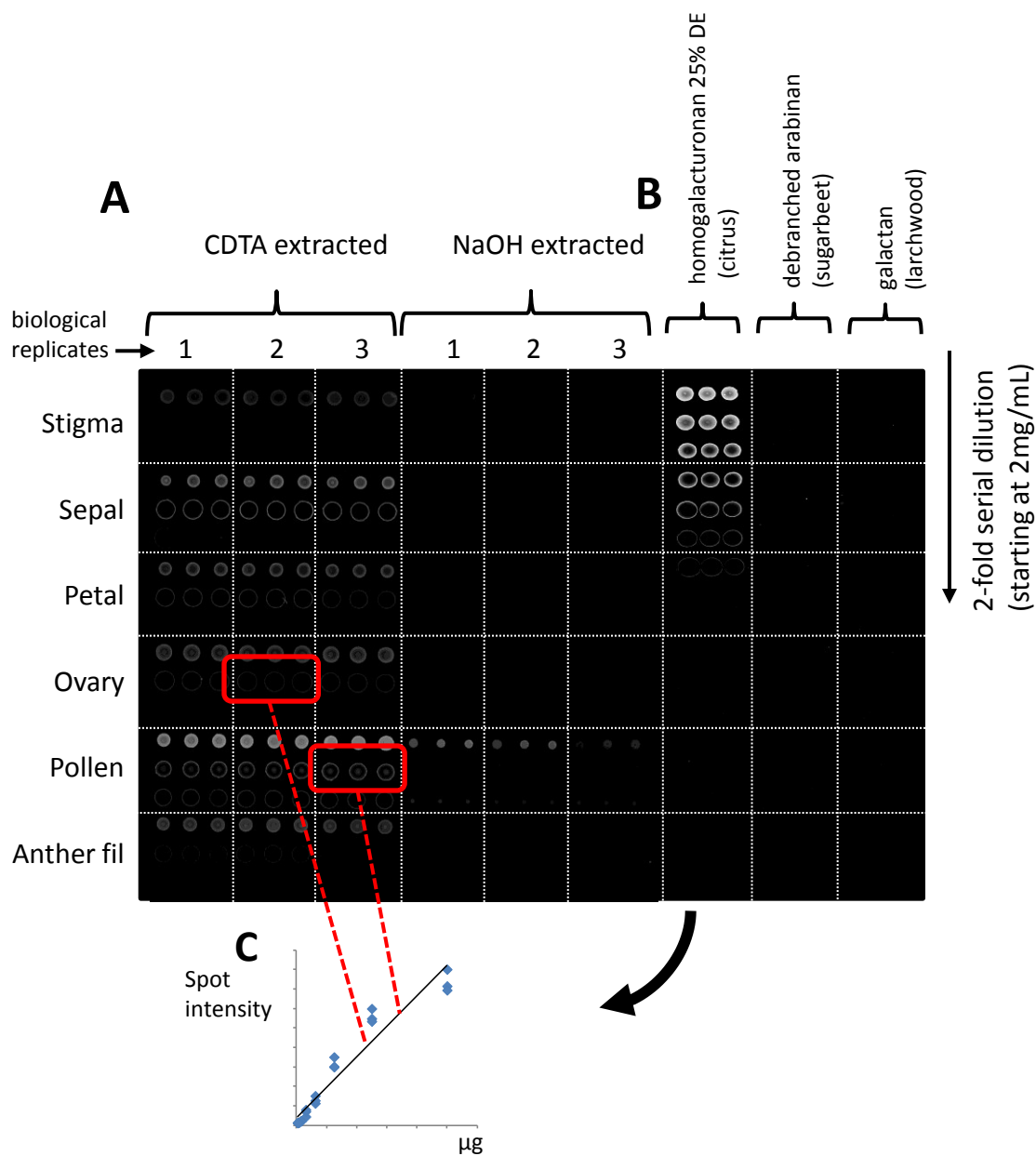


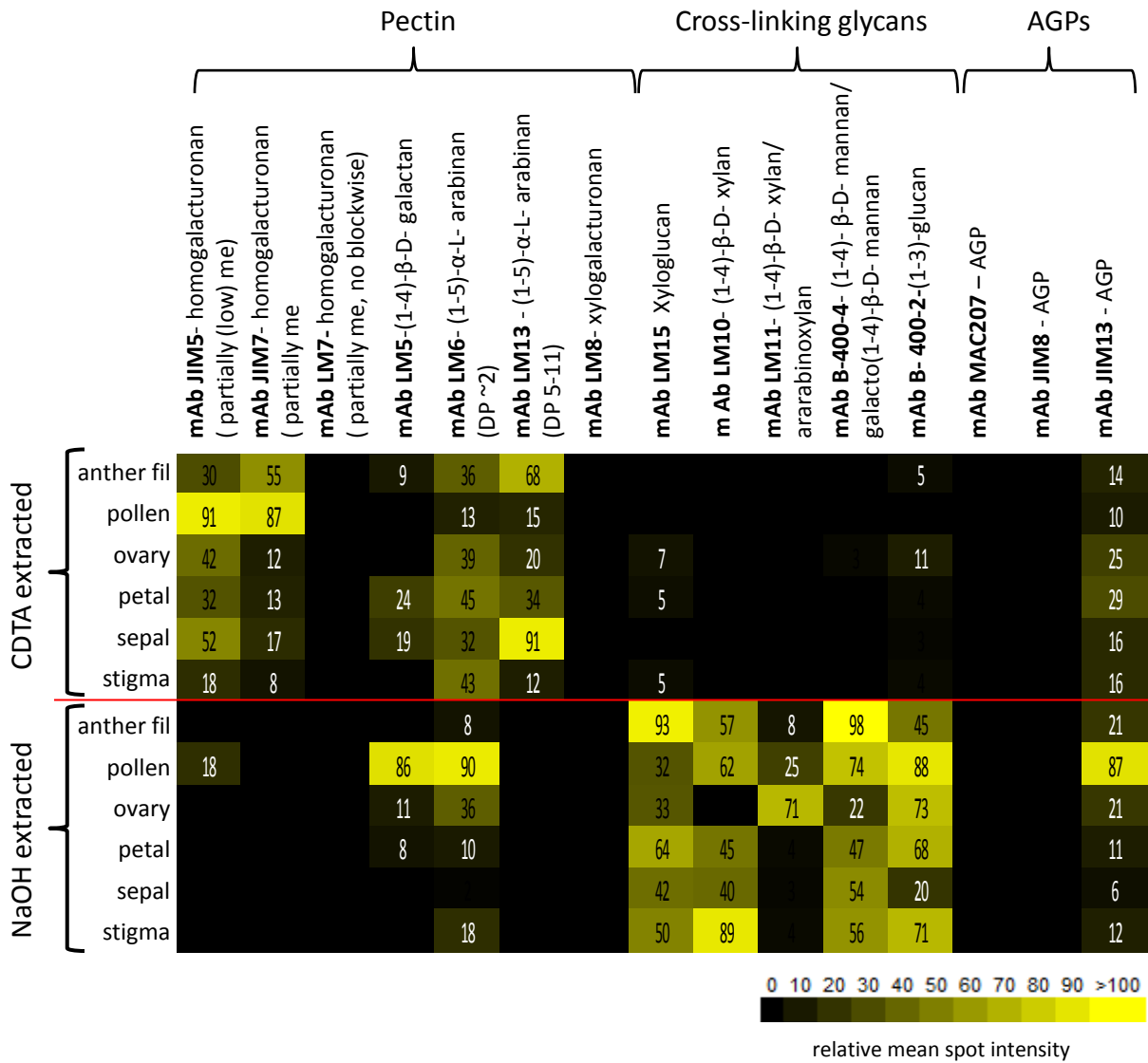
D. Probe with mAbs

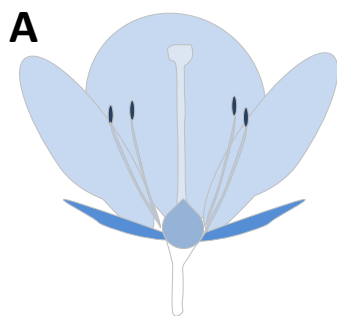


E. Quantification

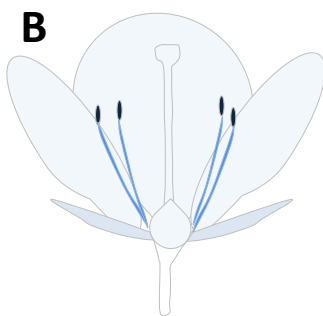




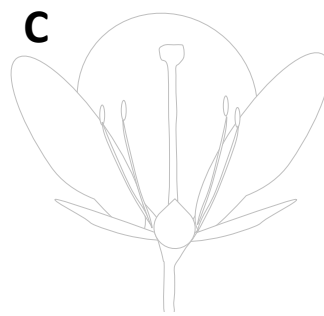




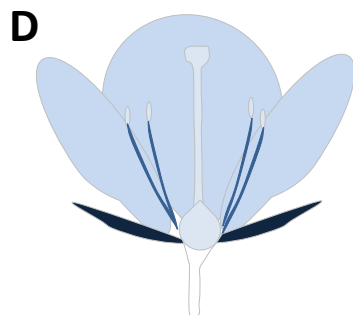
mAb JIM5 - homogalacturonan
(Partially (low) me)



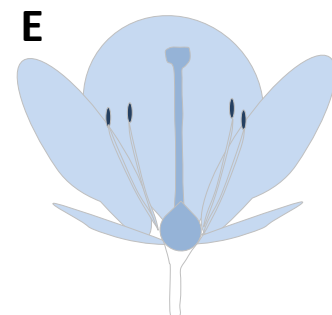
mAb JIM7 - homogalacturonan
(Partially me)



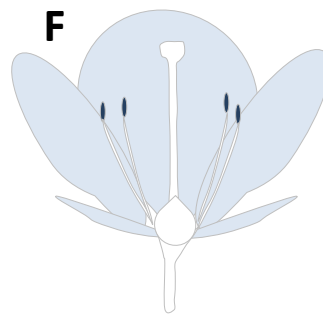
mAb LM8- xylogalacturonan



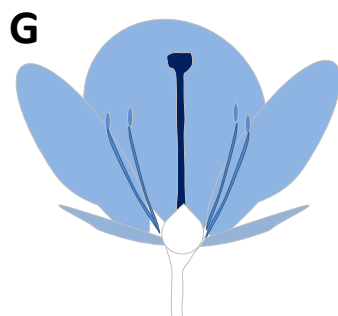
mAb LM13 - (1-5)- α -L-arabinan
(DP 5-11)



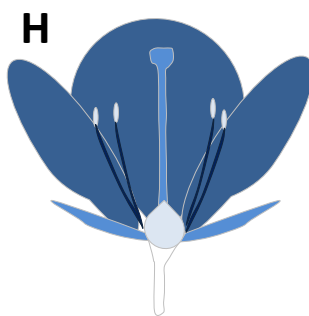
mAb LM6 - (1-5)- α -L-arabinan
(DP ~2)



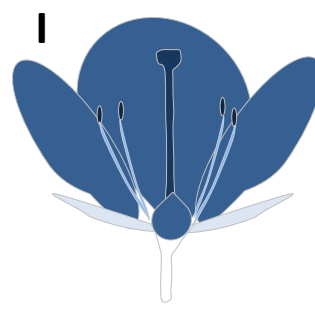
mAb LM5 - (1-4)- β -D-galactan



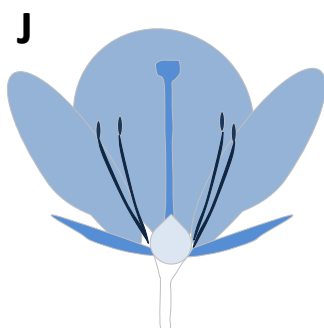
mAb LM10 - (1-4)- β -D-xylan



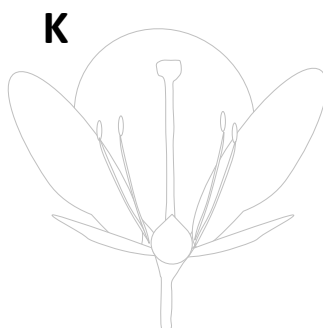
mAb LM15 - xyloglucan



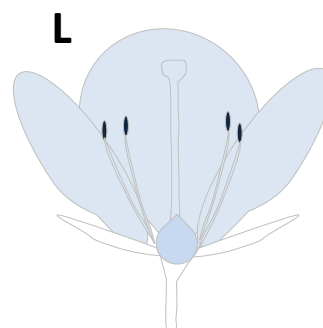
mAb B-400-2- (1-3)- β -D-glucan



mAb B-400-4- (1-4)- β -D- mannan/
galacto(1-4)- β -D- mannan

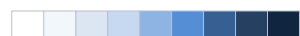


mAb JIM8 - AGP



mAb JIM13 - AGP

relative mean spot intensity



0 10 20 30 40 50 60 70 >80