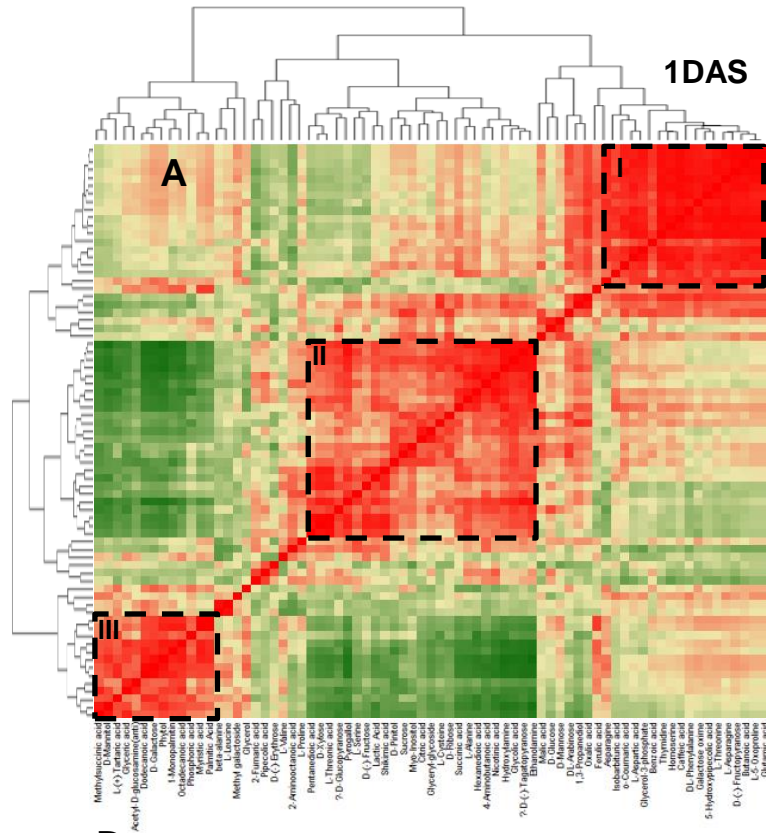
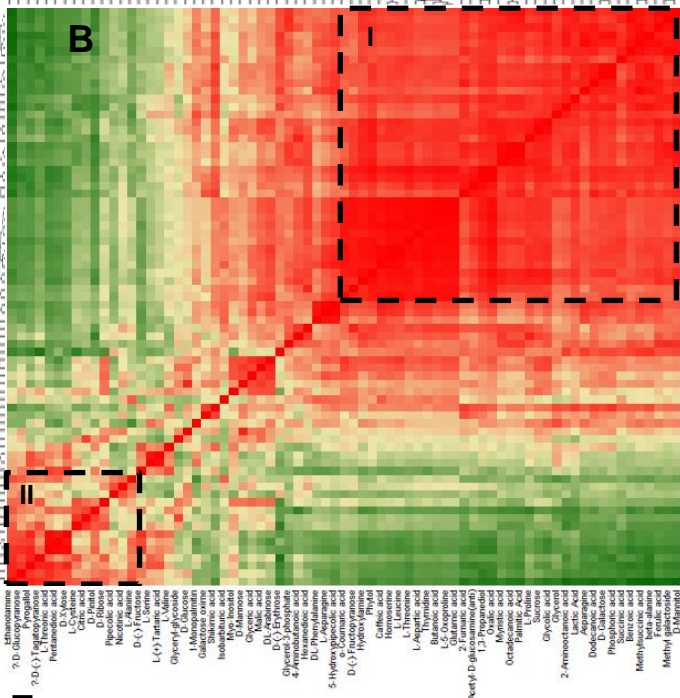


Root  
300 mM



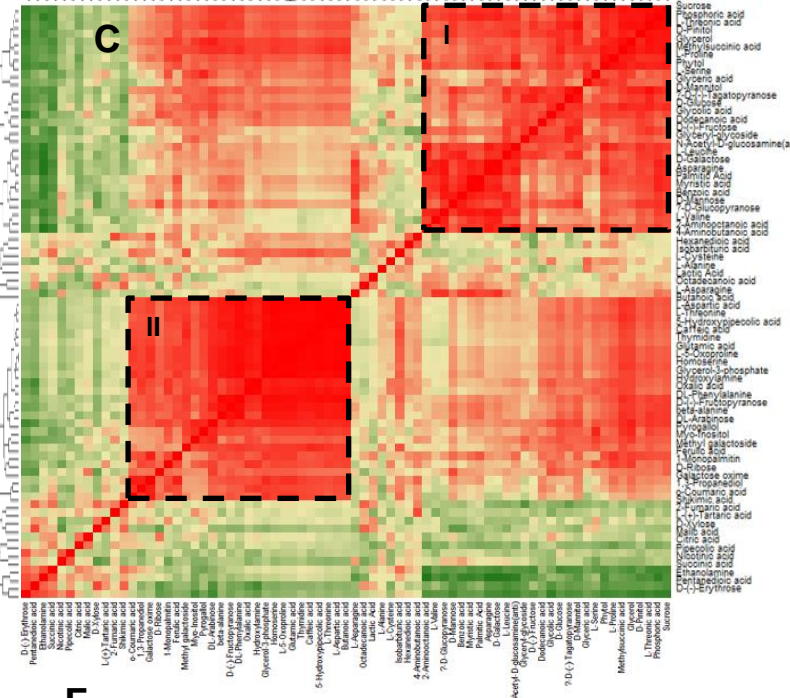
Group	1DAS
I	Glu, Oxopro, Bta, pFru, L-Asn, Thr, 5HPip, Phe, CAA, Hse, Thy, G3p, Asp, oC, IBua, Oxa, Pdo, Ara, Man, Glc
II	Eta, pTag, GA, HA, NA, GABA, AA, Ala, SA, Rib, Cys, Grl-g, CA, MI, Suc, PI, ShiA, LA, Fru, Ser, Pyr, pGlc, ThA, Xyl, Glta
III	PA, MytA, Pi, StA, MP, Phytol, Gal, GlcNAc, La, Gri, TA, MT, Met-SA

4DAS

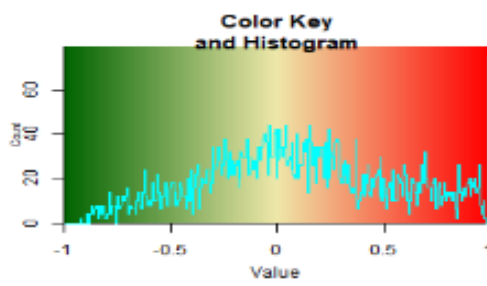


Group	4DAS
I	MT, Met-Gal, Fa, Ba, Met-SA, BA, SA, Pi, Gal, La, LA, Asu, Gro, GA, Suc, Pro, PA, StA, MytA, Oxa, Pdo, GlcNAc, FA, Glu, Oxopro, Bta, Thy, Thr, Leu, Hse, CAA, Phytol, HA, pFru, oC, 5HPip, Asn, Phe, AA, G3p, GABA, Ara, MA, Gri, Man, MI
II	Ala, NA, Pip, Rib, PI, CA, Cys, Xyl, Glta,, ThA, pTag, Pyr, pGlc, Eta

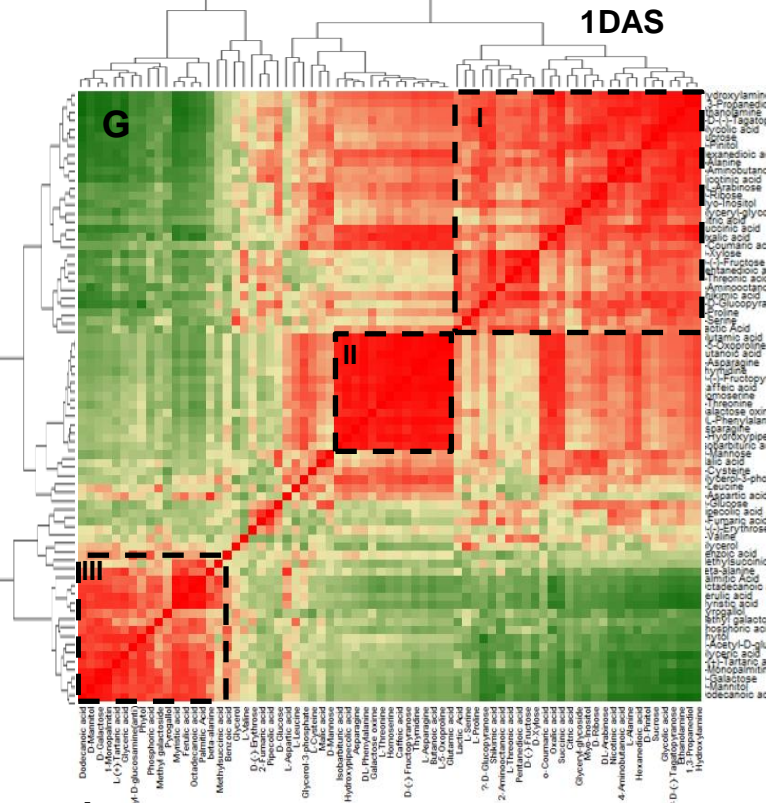
8DAS



Group	8DAS
I	Suc, Pi, ThA, PI, Gro, Met-SA, Pro, Phytol, Gri, Ser, MT, pTag, Glc, GA, La, Fru, Grl-g, GlcNAc, Leu, Gal, PA, MytA, BA, Man, pGlc, Val, Asu
II	Bta, Asp, Thr, 5HPip, Thy, Glu, Oxopro, Hse, G3p, HA, Oxa, Phe, pFru, Ba, Ara, Pyr, MI, Met-Gal, Fa, MP, Rib, Pdo, oC, SA, Eta, Glta

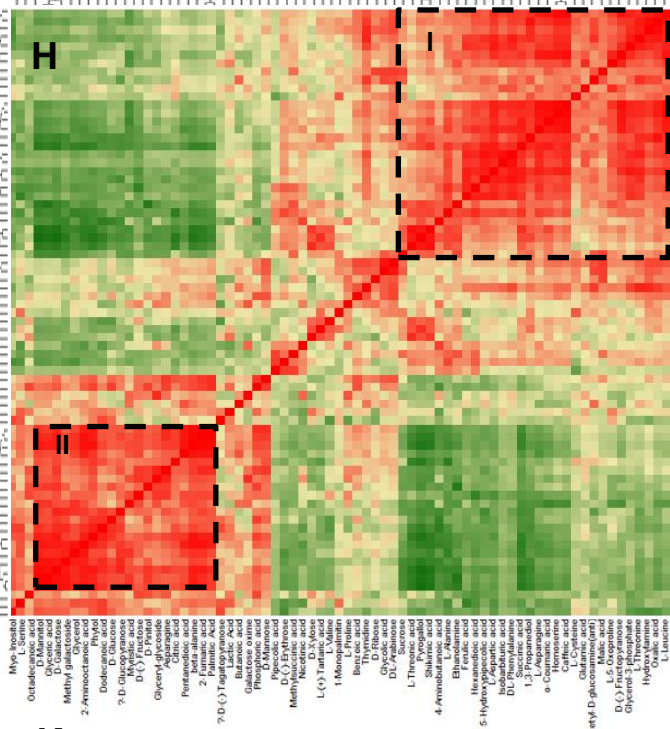


Root  
500 mM



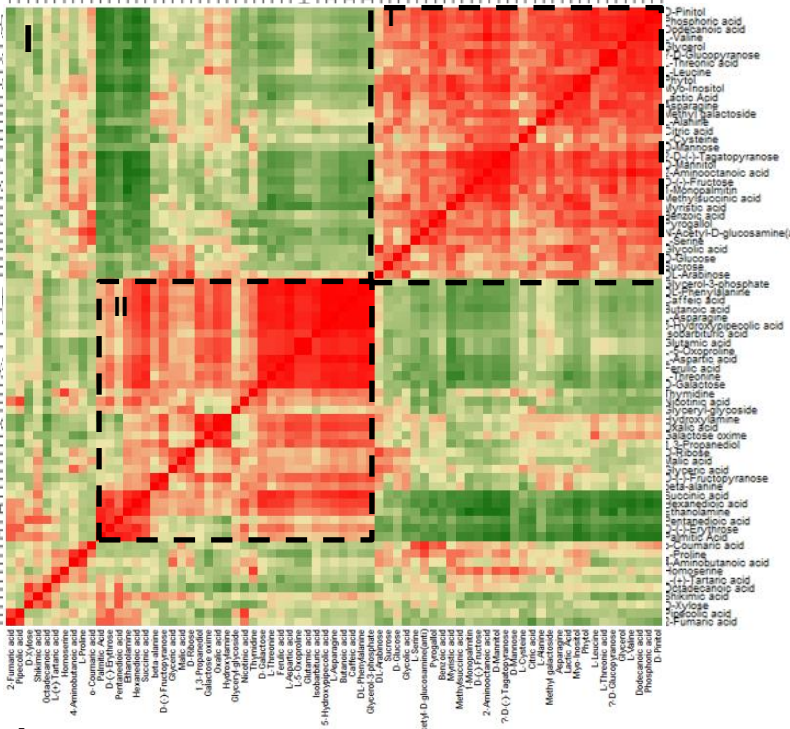
Group	1DAS
I	HA, Eta, Pdo, pTag, GA, Suc, PI, AA, Ala, GABA, NA, Ara, Rib, MI, CA, SA, Oxa, oC, Xyl, Fru, Glta, ThA, Asu, ShiA, pGlc, Pro, Ser, LA
II	Glu, Oxopro, Bta, Asn, Thy, pFru, CAA, Hse, Thr, Phe, 5HPip, IBua
III	Ba, PA, StA, Fa, MytA, Pi, Phytol, GlcNAc, Gri, TA, MP, Gal, MT, La

4DAS



Group	4DAS
I	Leu, Oxa, HA, Thr, G3p, pFru, Oxopro, CAA, Hse, oC, Asn, Pdo, SA, Phe, IBua, Asp, 5HPip, AA, Fa, Eta, Ala, GABA, ShiA, Pyr, ThA, Suc, Ara, GA, Thy, Rib, BA, Pro
II	PA, FA, Ba, Glta, CA, Grl-g, PI, Fru, MytA, pGlc, Glc, LA, Phytol, Asu, Gro, Met-Gal, Gal, Gri, MT

8DAS



Group	8DAS
I	PI, Pi, La, Val, Gro, pGlc, ThA, Leu, Phytol, MI, LA, Met-Gal, Ala, Man, pTag, MT, Asu, Fru, MP, Met-SA, MytA, BA, Pyr, GlcNAc, Ser
II	G3p, Phe, CAA, Bta, Asn, 5HPip, IBua, Glu, Oxopro, Asp, Fa, Thr, Gal, Thy, NA, Grl-g, HA, Oxa, Pdo, Rib, MA, Gri, pFru, Ba, SA, AA, Eta, Glta, Ery, PA