

Dataset S1

Figure 1	Plant height	Chlorophyll	Dry biomass
W22:0 ppm-bx1:0 ppm	0.5611	0.6598	0.890
bx1:100 ppm-bx1:0 ppm	0.1193	0.8294	0.0000001***
W22:100 ppm-bx1:0 ppm	0.9987	0.9865	0.018908*
bx1:100 ppm-W22:0 ppm	0.0027	0.9909	0***
W22:100 ppm-W22:0 ppm	0.6577	0.8502	0.002561**
W22:100 ppm-bx1:100 ppm	0.0841	0.9560	0.0028325**

Figure S2	Plant height	Dry biomass
W22:0 ppm-bx1:0 ppm	0.9690	0.8720
bx1:100 ppm-bx1:0 ppm	0.2948	0.0000009***
W22:100 ppm-bx1:0 ppm	0.0240278*	0.0000097***
bx1:100 ppm-W22:0 ppm	0.0496575*	0.0000651***
W22:100 ppm-W22:0 ppm	0.0016951**	0.0008968***
W22:100 ppm-bx1:100 ppm	0.9023	0.8053
bx2:0 ppm-bx1:0 ppm	0.9926	0.4574
bx2:100 ppm-bx1:0 ppm	0.0000004***	0***
W22:0 ppm-bx2:0 ppm	0.7486	0.9861
bx1:100 ppm-bx2:0 ppm	0.6515	0.0003106***
bx2:100 ppm-bx2:0 ppm	0.0000059***	0.0000264***
W22:100 ppm-bx2:0 ppm	0.1117	0.0045947**
bx2:100 ppm-W22:0 ppm	0***	0.0000053***
bx2:100 ppm-bx1:100 ppm	0.0032404**	0.9996
W22:100 ppm-bx2:100 ppm	0.0791736.	0.5212

Figure 2	Plant height	Dry biomass
bx1+BX:0 ppm-bx1:0 ppm	0.9755	0.9869
W22:0 ppm-bx1:0 ppm	0.9987	0.9932
bx1:100 ppm-bx1:0 ppm	0.0007081***	0***
bx1+BX:100 ppm-bx1:0 ppm	0.0195017*	0***
W22:100 ppm-bx1:0 ppm	0.1573	0***
W22:0 ppm-bx1+BX:0 ppm	0.8614	0.8324
bx1:100 ppm-bx1+BX:0 ppm	0.0103273*	0***
bx1+BX:100 ppm-bx1+BX:0 ppm	0.1420	0***
W22:100 ppm-bx1+BX:0 ppm	0.5565	0***
bx1:100 ppm-W22:0 ppm	0.0001413***	0***
bx1+BX:100 ppm-W22:0 ppm	0.0053593**	0***
W22:100 ppm-W22:0 ppm	0.0603534.	0***
bx1+BX:100 ppm-bx1:100 ppm	0.9328	0.2906
W22:100 ppm-bx1:100 ppm	0.5046	0.0005542***
W22:100 ppm-bx1+BX:100 ppm	0.9681	0.2109

Figure 4	As uptake roots	As uptake leaves
W22:0 ppm-bx1:0 ppm	0.9897	0.1385
bx1:100 ppm-bx1:0 ppm	0***	0***

W22:100 ppm-bx1:0 ppm	0***	0***
bx1:100 ppm-W22:0 ppm	0***	0***
W22:100 ppm-W22:0 ppm	0***	0***
W22:100 ppm-bx1:100 ppm	0.0002867***	0.7630

Figure 5	Plant height	Dry biomass
W22:(As-)-bx1:(As-)	0.0011223**	0.0003338***
bx1:(As+)-bx1:(As-)	0.0012858**	0.1126
W22:(As+)-bx1:(As-)	0.8877	0.1084
bx1:(As+)-W22:(As-)	0***	0.0000011***
W22:(As+)-W22:(As-)	0.0000552***	0.3764
W22:(As+)-bx1:(As+)	0.0154284*	0.0005803***

Figure 6	Plant height	Dry biomass
W22:0 ppm-bx1:0 ppm	0.9182	0.7177
bx1:100 ppm-bx1:0 ppm	0.0000419***	0.0000001***
W22:100 ppm-bx1:0 ppm	0.0681427.	0.0016297**
bx1:100 ppm-W22:0 ppm	0.000003***	0***
W22:100 ppm-W22:0 ppm	0.0119816*	0.0000737***
W22:100 ppm-bx1:100 ppm	0.1059	0.0136562*