

Figure S1

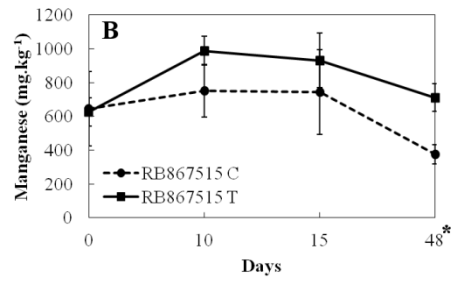
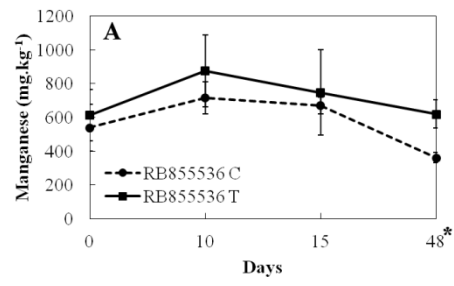


Figure S2

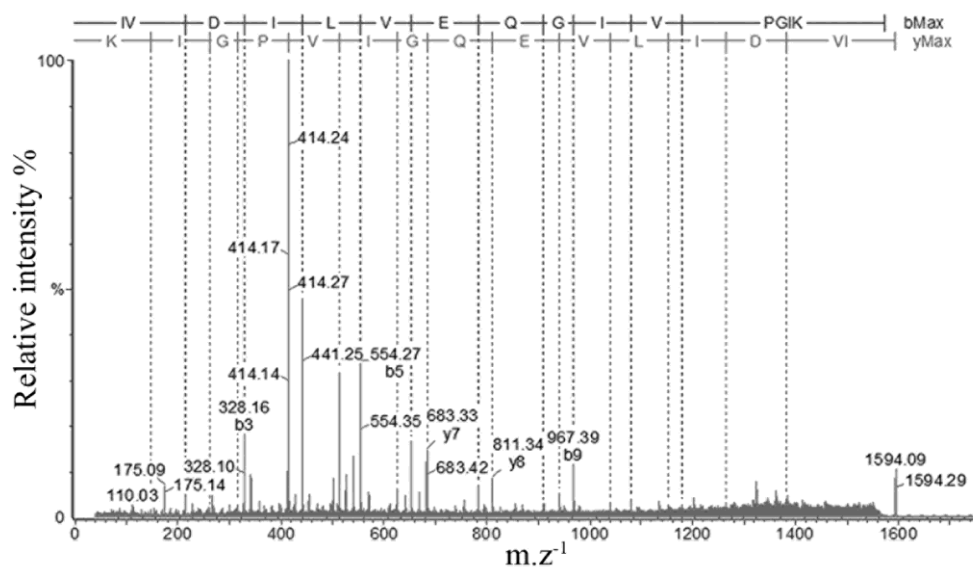


Figure S3

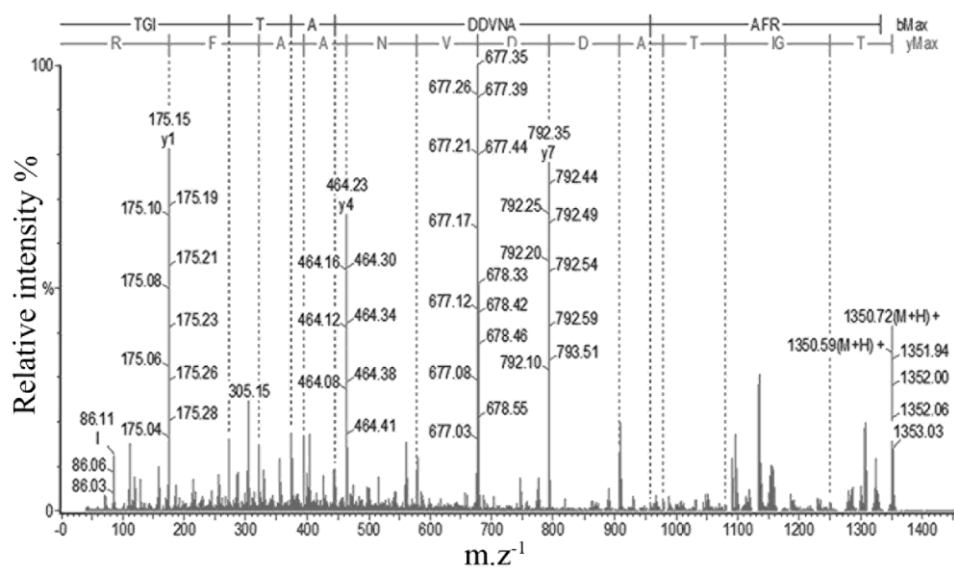


Figure S4

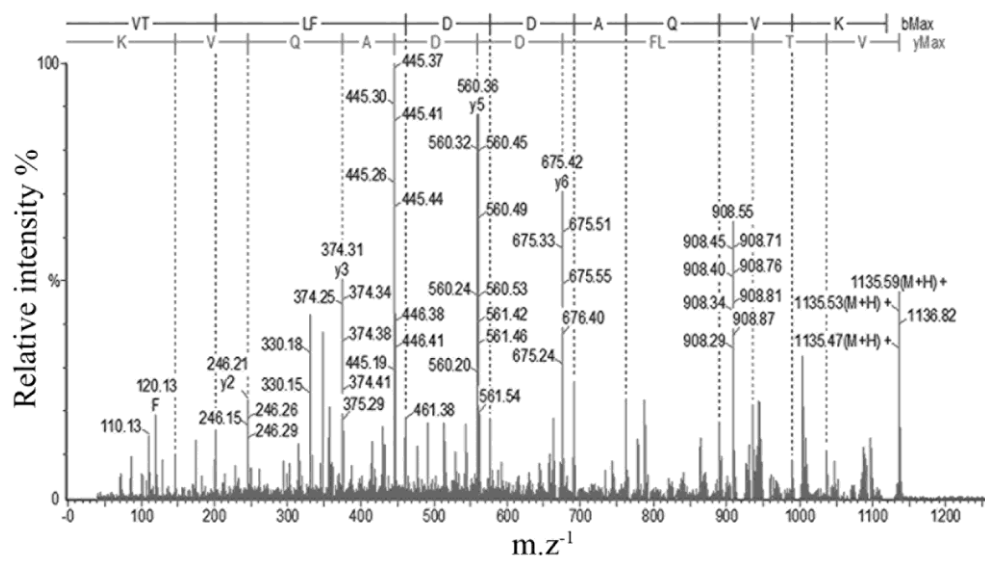


Figure S5

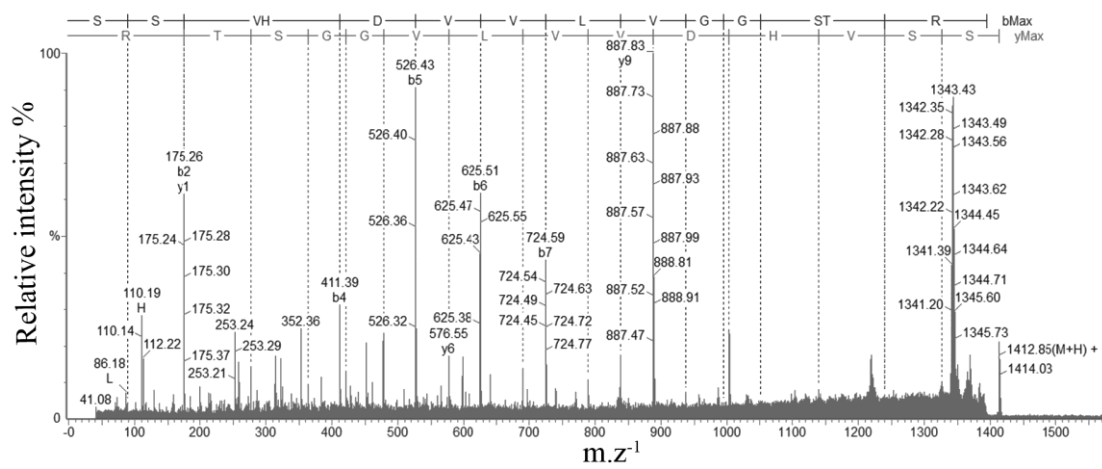


Figure S6

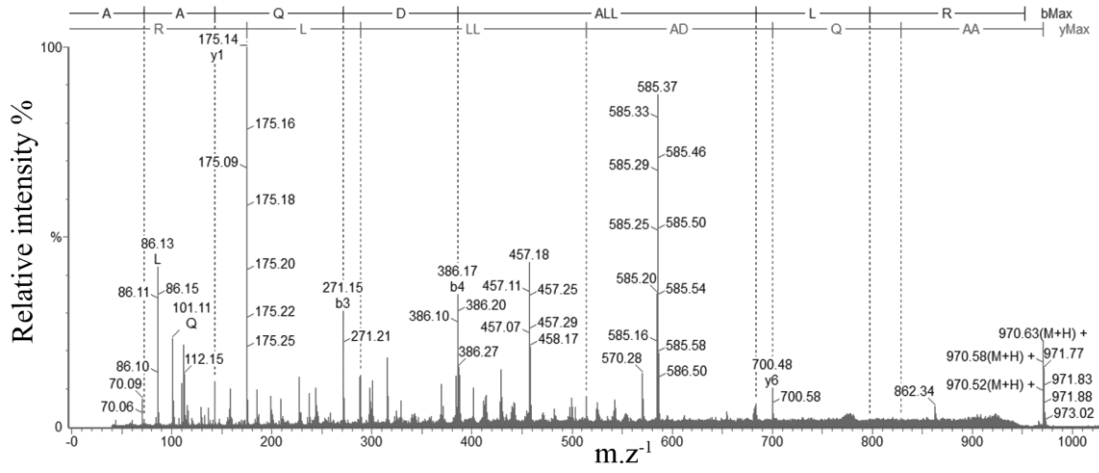


Figure S7

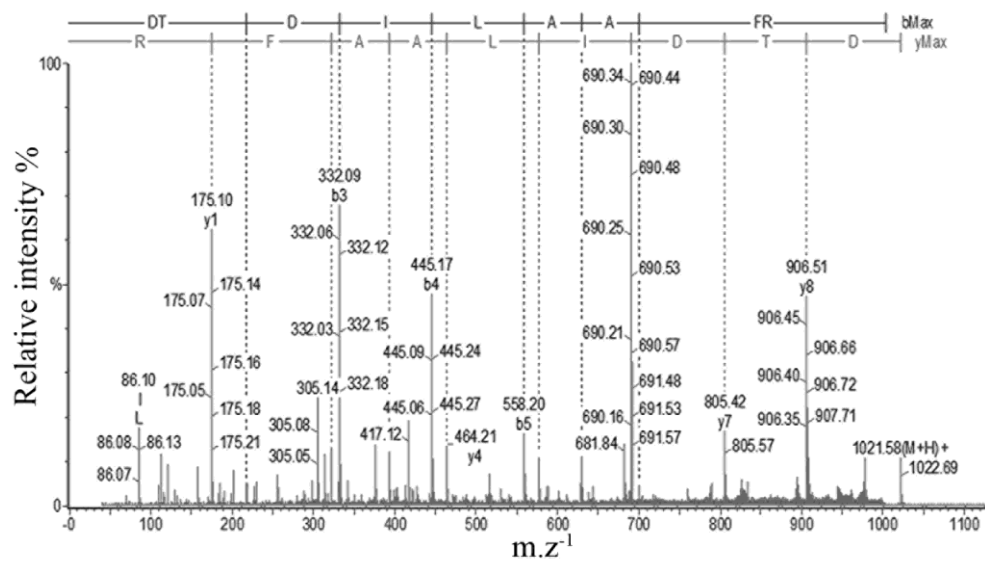


Figure S8

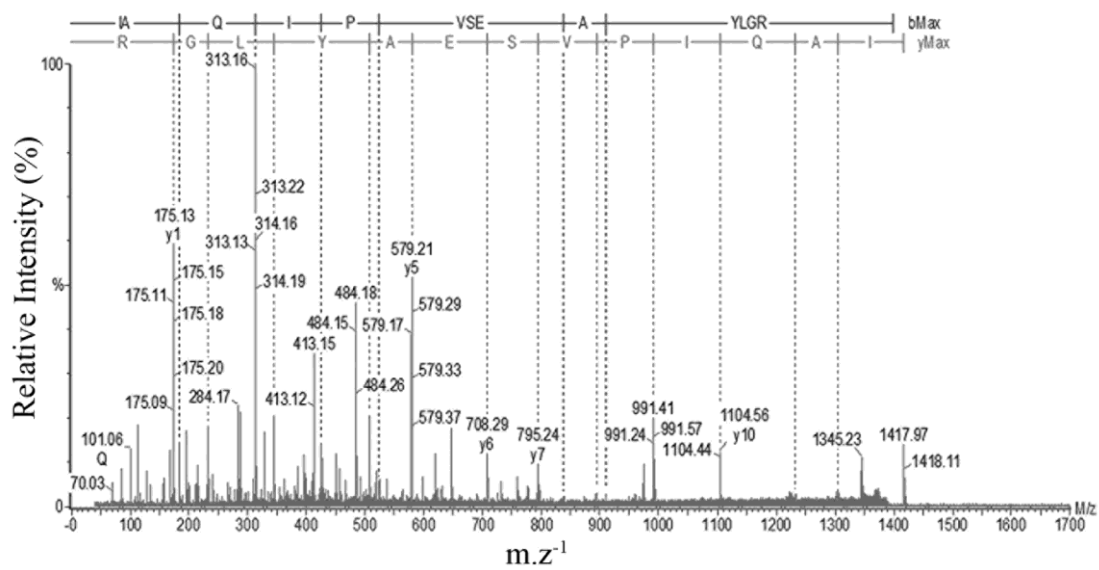


Figure S9

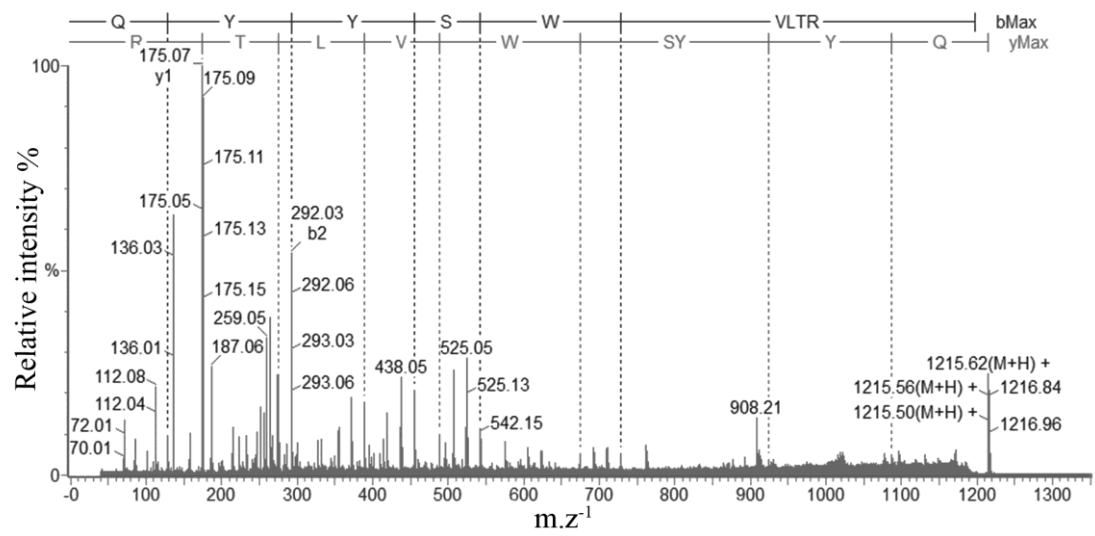


Figure S11

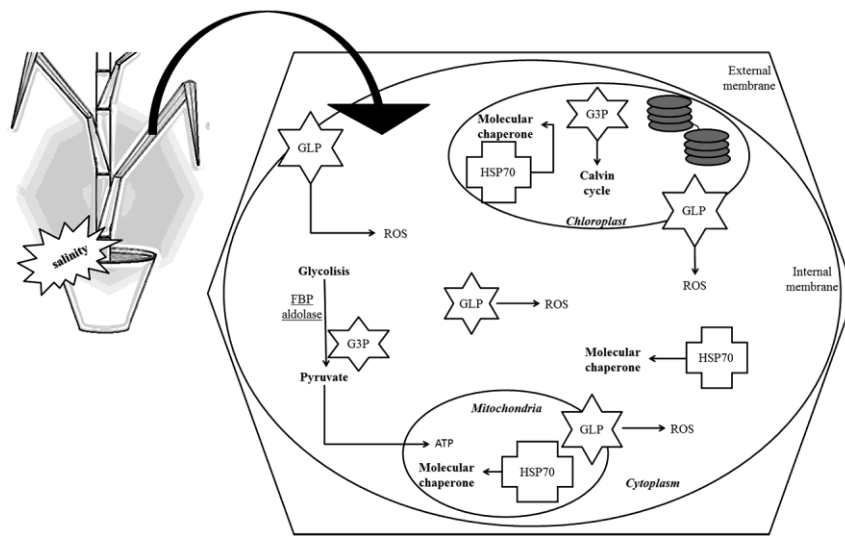


Figure S12

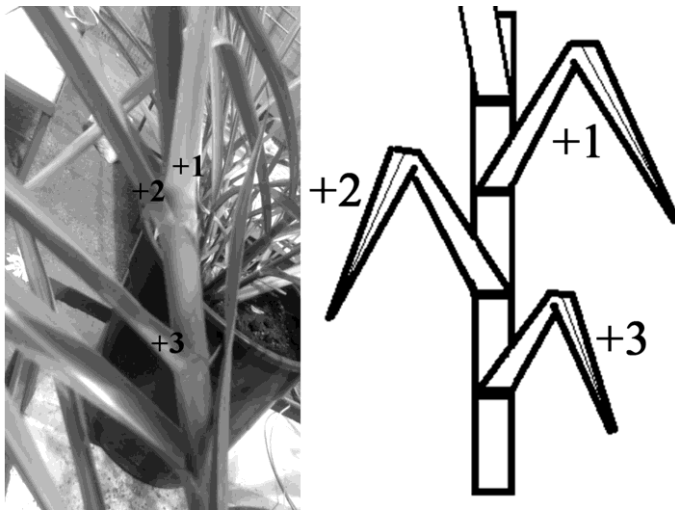
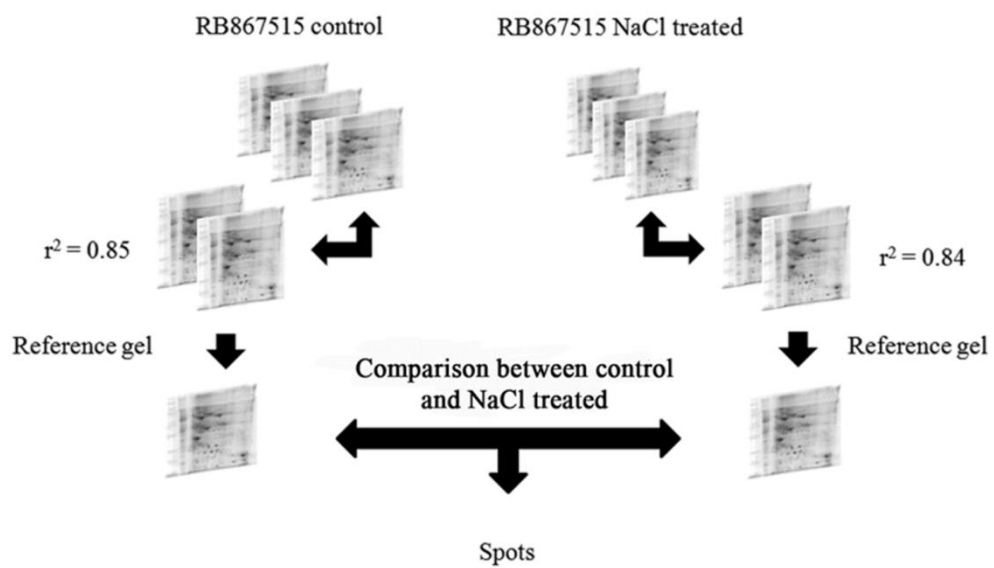


Figure S13



Supporting Information Legends

Figure S1. Manganese concentration in sugarcane leaves (mg.kg^{-1}) of cultivar RB855563 (A) and cultivar RB867515 (B) at various timepoints. “●” are control plants and “■” are salt-treated plants; Values are presented as mean \pm SD (n = 6). * Significant at $p \leq 0.05$.

Figure S2. MALDI-ToF/ToF spectrum sequence of fructose 1,6-bisphosphate aldolase (1) of cultivar RB867515 sugarcane leaves treated with 100 mM NaCl for 48 days.

Figure S3. MALDI-ToF/ToF spectrum sequence of glyceraldehyde 3-P-dehydrogenase (2) of cultivar RB867515 sugarcane leaves treated with 100 mM NaCl for 48 days.

Figure S4. MALDI-ToF/ToF spectrum sequence of germin-like protein (3) of cultivar RB867515 sugarcane leaves treated with 100 mM NaCl for 48 days.

Figure S5. MALDI-ToF/ToF spectrum sequence of heat shock protein 70 (HSP 70) (4) of cultivar RB867515 sugarcane leaves treated with 100 mM NaCl for 48 days.

Figure S6. MALDI-ToF/ToF spectrum sequence of fructose 1,6-bisphosphate aldolase of cultivar RB867515 sugarcane leaves treated with 100 mM NaCl for 48 days

Figure S7. MALDI-ToF/ToF spectrum sequence of RUBISCO of cultivar RB867515 sugarcane leaves treated with 100 mM NaCl for 48 days.

Figure S8. MALDI-ToF/ToF spectrum sequence of ATP synthase subunit α of cultivar RB867515 sugarcane leaves treated with 100 mM NaCl for 48 days.

Figure S9. MALDI-ToF/ToF spectrum sequence of 23 kDa photosystem II of cultivar RB867515 sugarcane leaves treated with 100 mM NaCl for 48 days.

Figure S10. MALDI-ToF/ToF spectrum sequence of 23 kDa photosystem II of cultivar RB867515 sugarcane leaves treated with 100 mM NaCl for 48 days.

Figure S11. Schematic diagram of identified proteins in sugarcane leaves proteome in response to salinity stress. Proteins in stars: up-regulated under saline conditions (100 mM NaCl). Proteins in crosses: expressed only in salt-treated plants under saline conditions (100 mM NaCl). Proteins underlined: down-regulated under saline conditions (100 mM NaCl). Arrows: putative influences on metabolic processes.

Figure S12. Sugarcane leaves numbering system proposed by Kuijper (1915), with modifications. Leaves +1 +2 +3 are fully expanded and photosynthetically active.

Figure S13. Experimental design for comparison and selection of proteins differentially expressed between replicates of control and salt-treated plant gels of sugarcane cultivar RB867515.