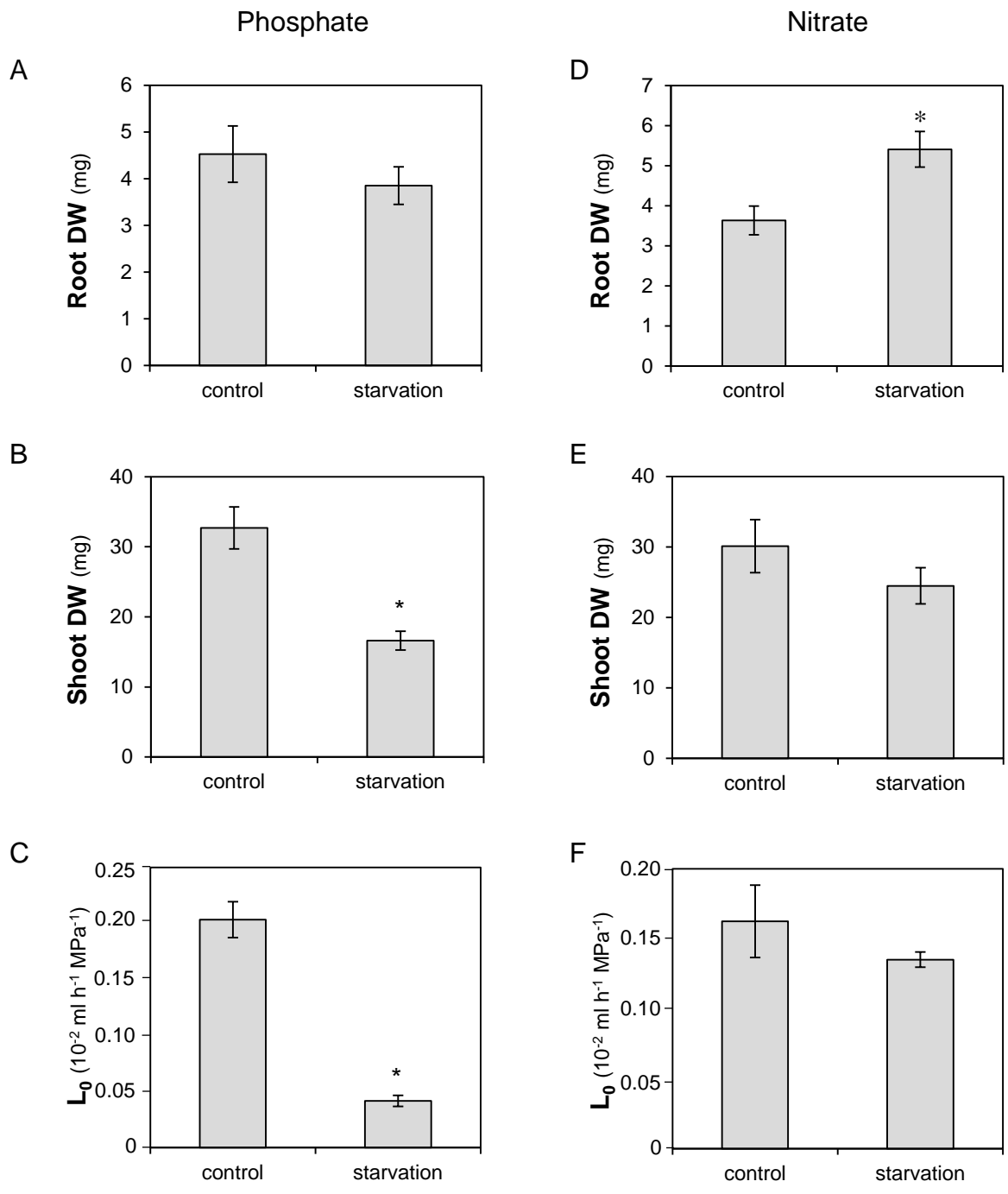
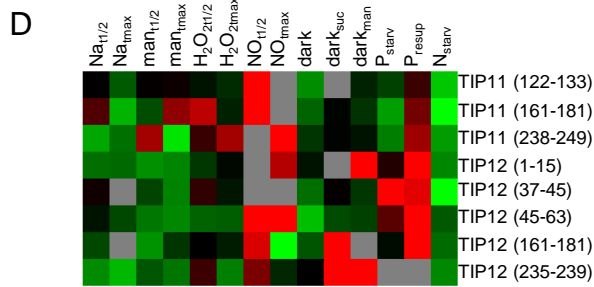
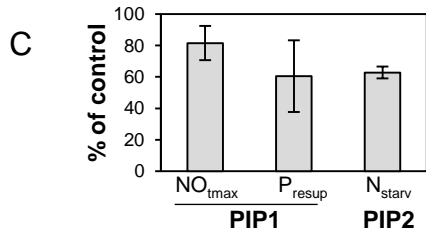
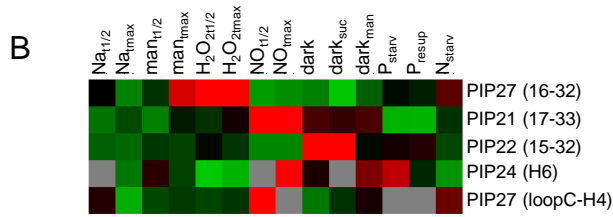
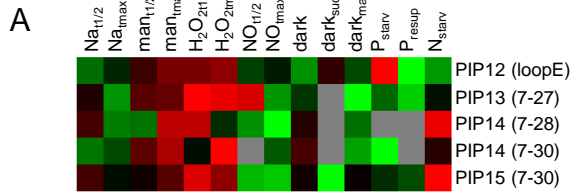
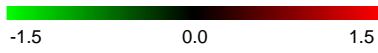


Supplemental FIG. S1



Supplemental FIG. S2



A

PIP2;1	RASGSKSLG SFRSA ANV	287
PIP2;2	RASGSKSLG SFRSA ANV	285
PIP2;3	RASGSKSLG SFRSA ANV	285
PIP2;4	RAAAIKALG SFGSFGSFRSFA	291
PIP2;7	RASAIKALG SFRSN ATN	280

B

PIP1;1	CGAGVVKGFQPKQYQALGGGAN T VAHGYT	173
PIP1;2	CGAGVVKGFQPKQYQALGGGAN T IAHGYT	173
PIP1;3	CGAGVVKGFQPNPYQTLGGGAN T VAHGYT	173
PIP1;4	CGAGVVKGFQPTPYQTLGGGAN T VAHGYT	174
PIP1;5	CGAGVVKGFQPLYQTNGGGAN V VAHGYT	174
PIP2;1	CGVGFVKAFQSSYYTRYGGGAN N SLADGYS	166
PIP2;2	CGVGFVKAFQSSYYDRYGGGAN N SLADGYN	164
PIP2;3	CGVGFVKAFQSSHYVNYGGGAN F LADGYN	164
PIP2;4	CGCGFVKAFQSSYYTRYGGGAN N ELADGYN	166
PIP2;5	CGVALVKAFQSAYFTRYGGGAN N GLSDGYS	165
PIP2;6	CGVGLVKVFQSTYYNRYGGGAN N MLSDGYN	165
PIP2;7	CGVGFVKAFMKTPYNTLGGGAN T VADGYS	159
PIP2;8	CGVGLVKAFMMTPYKRLGGGAN T VADGYS	157

