**Fig. S1** Identification by PMF and MS/MS of RuBisCO large subunit-binding protein subunit alpha, corresponding to spot 2 of the 2-DE gel. a MALDI peptide mass fingerprint of RuBisCO large subunit -binding protein subunit alpha. b The product ion spectra of RuBisCO large subunit-binding protein subunit alpha tryptic peptide T-(173-201) LLVEFENAR at m/z 3098.53. The ion score was 67. c The amino acid sequences of RuBisCO large subunit-binding protein subunit alpha, in which matched peptide sequences are underlined.