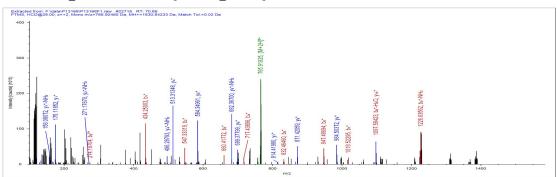
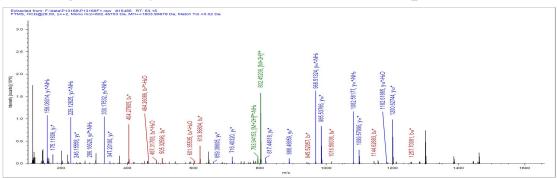
Supplemental Figure S2 Annotated tandem mass spectra of the identified proteins based on a single high-confidence peptide assignment with 95% confidence of false discovery rate (FDR) ≤1% in roots of Hg-stressed wheat seedlings

(1) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 765.92 with score 1.88 Protein description: Putative ADP-ribosylation factor GTPase-activating protein AGD14 OS=Triticum urartu GN=TRIUR3 19703 PE=4 SV=1- [M8AIZ9 TRIUA]

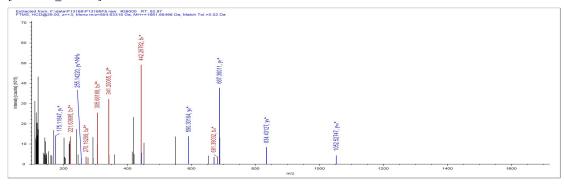


(2) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 802.45 with score 1.48 Protein description: PR-4 (Fragment) OS=Triticum aestivum PE=2 SV=1- [Q9SQG3 WHEAT]

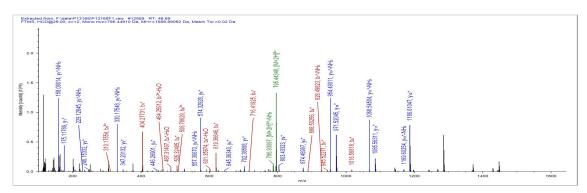


(3) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 554.63 with score 27.85

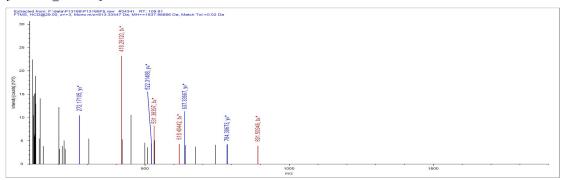
Protein description: Secologanin synthase OS=Triticum urartu GN=TRIUR3_25996 PE=4 SV=1[M8A608_TRIUA]



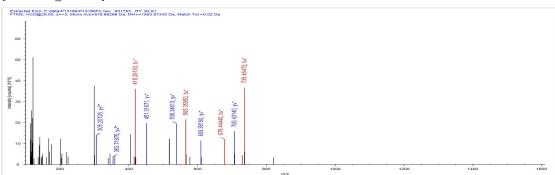
(4) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 795.45 with score 40.42 Protein description: Pathogenesis-related protein 4 (Fragment) OS=Triticum aestivum GN=PR4 PE=2 SV=1-[Q9SQG8_WHEAT]



(5) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 613.33 with score 20.59 Protein description: Disease resistance RPP8-like protein 3 OS=Aegilops tauschii GN=F775_08835 PE=4 SV=1-[M8B613_AEGTA]

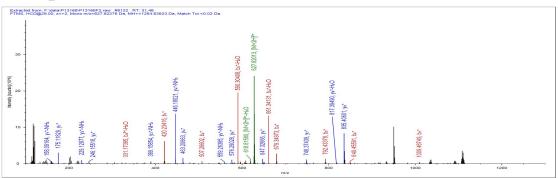


(6) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 518.67 with score 20.52; Protein description: Acidic endochitinase OS=Aegilops tauschii GN=F775_21686 PE=4 SV=1-[M8ASW4_AEGTA]

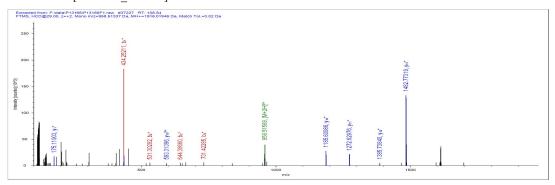


(7) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 627.82 with score 19.13

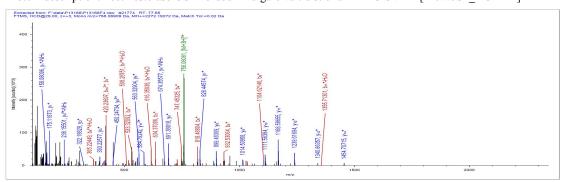
Protein description: Pathogenesis-related protein 1 OS=Aegilops tauschii GN=F775_31533 PE=4 SV=1-[N1QT70_AEGTA]



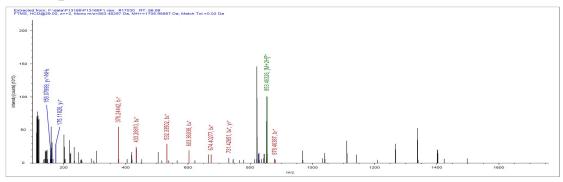
(8) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 958.52 with score 15.30 Protein description: NADH-ubiquinone oxidoreductase chain 1 (Fragment) OS=Phyllostachys edulis GN=nad1 PE=2 SV=1- [B4XAP3 9POAL]



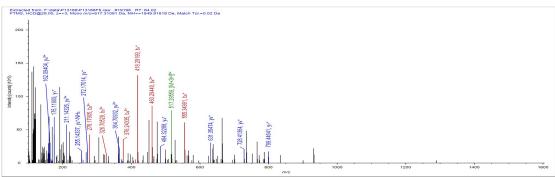
(9) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 758.07 with score 50.83 Protein description: Pectinesterase OS=Hordeum vulgare var. distichum PE=3 SV=1- [M0WJS2 HORVD]



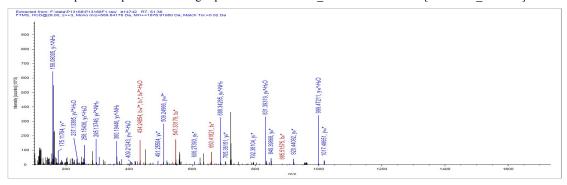
 $(10) \, MS/MS \, analysis \, of \, a \, single \, high-confidence \, peptide \, ions \, with \, a \, m/z \, ratio \, of \, 853.48 \, with \, score \, 23.34 \, M8CYV8 \, , \, \, Phosphorylated \, carbohydrates \, phosphatase \, OS=Aegilops \, tauschii \, GN=F775_25876 \, PE=4 \, SV=1-[M8CYV8_AEGTA]$



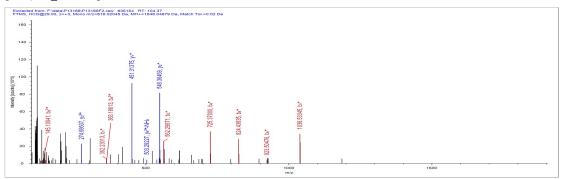
(11) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 517.31 with score 35.33 Protein description: Epidermal p-coumarate 3-hydroxylase (Fragment) OS=Triticum monococcum PE=2 SV=1-[B5KPW0_TRIMO]



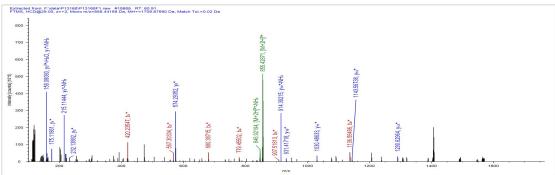
(12) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 559.64 with score 13.64 Protein description: Serpin-ZX OS=Aegilops tauschii GN=F775 31803 PE=4 SV=1 - [M8BXN4 AEGTA]



(13) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 616.02 with score 29.01 Protein description: Nitrogen regulatory protein P-II 2 OS=Aegilops tauschii GN=F775_12533 PE=4 SV=1-[N1QP48 AEGTA]

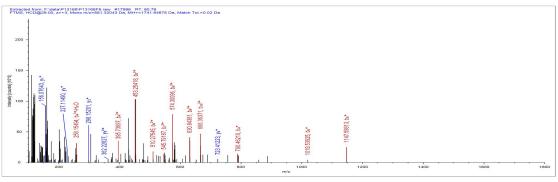


(14) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 855.44 with score 16.91 Protein description: Peptidyl-prolyl cis-trans isomerase OS=Hordeum vulgare var. distichum PE=3 SV=1-[M0W697_HORVD]

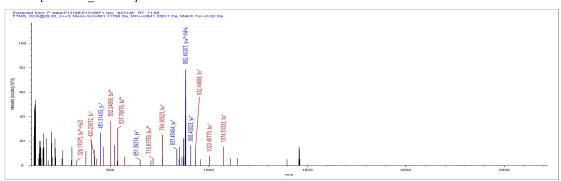


(15) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 581.32 with score 10.08

Protein description: 1, 2-dihydroxy-3-keto-5-methylthiopentene dioxygenase 4 OS=Triticum urartu GN=TRIUR3_18280 PE=4 SV=1- [M8A347_TRIUA]

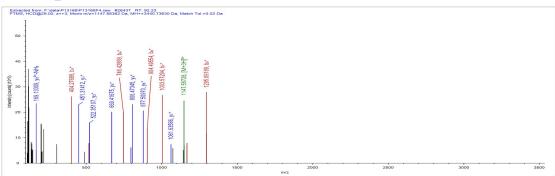


(16) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 881.12 with score 19.62 Protein description: H/ACA ribonucleoprotein complex subunit 4 OS=Aegilops tauschii GN=F775_27812 PE=4 SV=1- [M8B1T7 AEGTA]



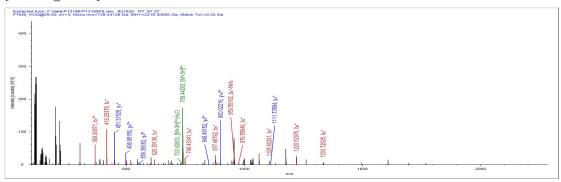
(17) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 1147.58 with score 51.73

Protein description: Patatin group M-3 OS=Triticum urartu GN=TRIUR3_25915 PE=4 SV=1[M7YQD5_TRIUA]

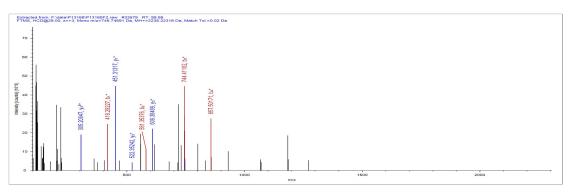


(18) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 793.44 with score 9.16

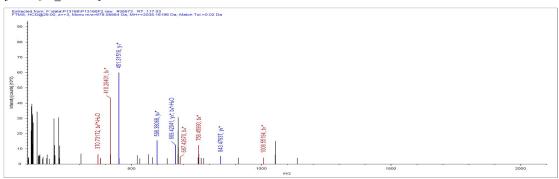
Protein description: Subtilisin-like protease OS=Triticum urartu GN=TRIUR3_02213 PE=4 SV=1[M7ZZZ8_TRIUA]



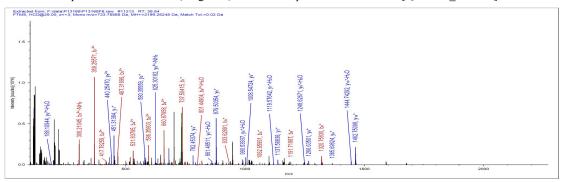
(19) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 745.74 with score 7.42 Protein description: SAP domain containing protein OS=Brachypodium distachyon GN=BRADI1G61000 PE=4 SV=1- [C3SA89_BRADI]



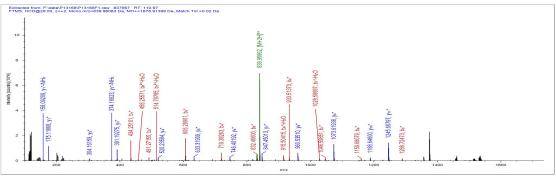
(20) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 679.06 with score 13.97 Protein description: Aspartic proteinase nepenthesin-2 OS=Triticum urartu GN=TRIUR3_13924 PE=4 SV=1-[M8AQF1_TRIUA]



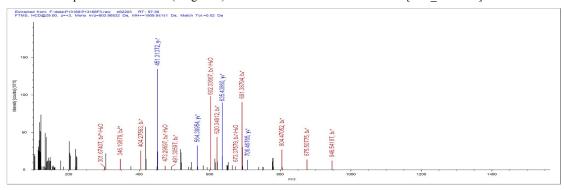
(21) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 733.76 with score 20.40 Protein description: Histone H2B-4 (Fragment) OS=Lolium perenne PE=2 SV=1- [Q94KK0_LOLPR]



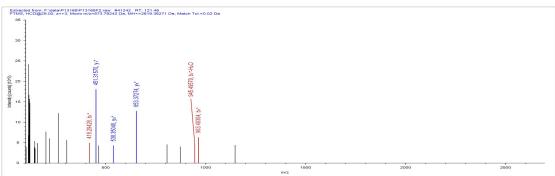
(22) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 839.96 with score 55.94 Protein description: 40S ribosomal protein S28 OS=Zea mays PE=4 SV=1- [B6SP50_MAIZE]



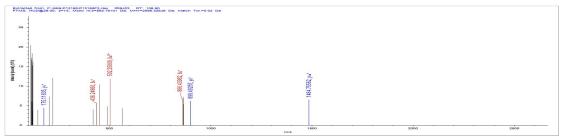
(23) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 503.98 with score 25.46 Protein description: Histone H1.1 (Fragment) OS=Triticum aestivum PE=1 SV=1- [H11 WHEAT]



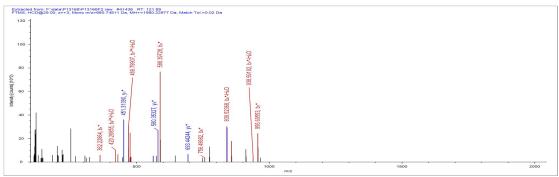
(24) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 873.79 with score 5.73 Protein description: Serine carboxypeptidase-like 51 OS=Triticum urartu GN=TRIUR3_23998 PE=4 SV=1-[M7ZA68_TRI



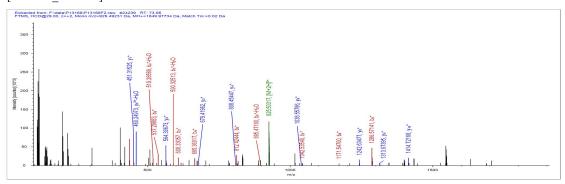
(25) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 862.78 with score 2.43; Protein description: Alanine--glyoxylate aminotransferase 2-like protein 3, mitochondrial OS=Triticum urartu GN=TRIUR3_23613 PE=4 SV=1- [M7YW64_TRIUA]



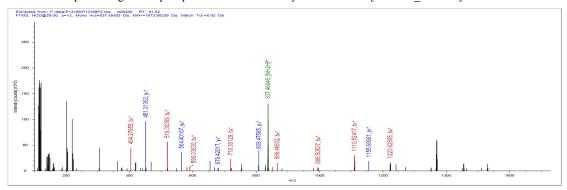
(26) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 660.75 with score 29.56 Protein description: Patatin group A-3 OS=Aegilops tauschii GN=F775_12862 PE=4 SV=1- [M8BFN4_AEGTA]



(27) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 925.49 with score19.47 Protein description: Mitochondrial ATP synthase 6 kDa subunit (Fragment) OS=Aegilops crassa PE=2 SV=1-[D2K756 AEGCR]

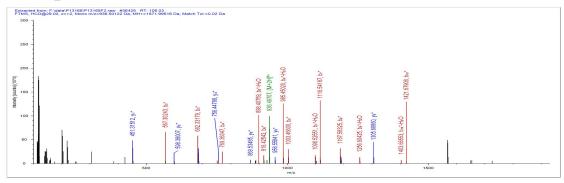


(28) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 837.45 with score 21.37 Protein description: Sugar transport protein 14 OS=Zea mays PE=2 SV=1- [B6T9F4 MAIZE]

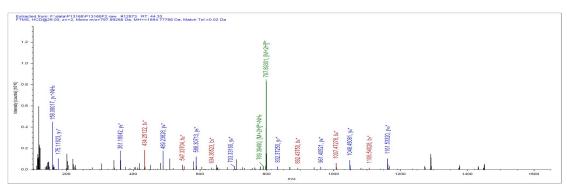


(29) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 936.50 with score 42.91

Protein description: Putative aquaporin TIP2-2 OS=Triticum urartu GN=TRIUR3_24886 PE=4 SV=1[M7Z4T9_TRIUA]

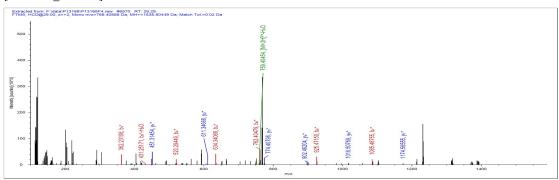


(30) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 797.89 with score 25.43; Protein description: Inorganic phosphate transporter (Fragment) OS=Triticum aestivum/Thinopyrum intermedium alien addition line GN=pt2 PE=2 SV=1- [Q93WQ8_9POAL]



(31) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 768.41 with score 21.57

Protein description: Sugar transport protein 1 OS=Aegilops tauschii GN=F775_26986 PE=4 SV=1[M8B1H6_AEGTA]



(32) MS/MS analysis of a single high-confidence peptide ions with a m/z ratio of 797.40 with score 32.81 Protein description: Inorganic phosphate transporter 1-2 OS=Triticum urartu GN=TRIUR3_17227 PE=4 SV=1-[M8A5M8_TRIUA]

