



**Figure 9. Scheme of amino acid and amino acid-related pathways in *P. persica*.** ↑ indicates the increase in the content of the metabolite or protein in G7C with respect to G0. AASS, alpha-aminoadipic semialdehyde synthase; ACO, 1-aminocyclopropane-1-carboxylate oxidase; AH, amygdalin hydrolase; ALD, aldolase; ASN, Asparagine synthetase; BCAA AT, branch chain amino acid aminotransferase, BCAA DH, BCCA dehydrogenase; BZDH, benzoic acid dehydrogenase;  $\beta$ -CAS, cyanoalanine synthase; CAH, cyanoalanine hydratase; CS, Cysteine synthase; GLN, Glutamine synthetase; HCY, homocysteine; MSDH, methylmalonate-semialdehyde dehydrogenase; MDL, R-mandelonitrile lyase; MET, 5-methyltetrahydropteroyltriglutamate-homocysteine S-methyltransferase; M $\gamma$ L, methionine  $\gamma$  lyase, MSCII, L-methionine salvage cycle 2; PFK-1, phosphofructokinase 1; PGK, phosphoglycerate kinase; PH, prunasin hydrolase; PSPH, phosphoserine hydrolase; PSAT, phosphoserine aminotransferase; S-adenosylhomocysteinase, SAHase; SAM-S, S-adenosylmethionine synthase; THFPG, tetrahydropteroyltri-L-glutamate; 3PGDH, 3-phosphoglycerate dehydrogenase.