Supplementary Figure 7. Plastid metabolism of non-photosynthetic *Pteridomonas danica* strain PT. Light orange circles enclosed by an orange line show proteins with the detectable plastid targeting signals. Light orange circles with no line show proteins with no detectable plastid targeting signal probably due to lack of 5' termini of sequences in the transcriptome data. Gray circles show proteins not detected. The asterisk shows that it is unclear whether RuBisCO is present as both large and small subunits of RuBisCO are plastid-encoded proteins; A plastid genome of strain PT is unavailable. ACC, acetyl-coa carboxylase; ALAD, porphobilinogen synthase; AO, L-aspartate oxidase; APR, adenyl-sulfate reductase; AS, anthranilate synthase component 1; A TS, ATP sulfurylase; CAO, chlorophyll a oxygenase; CBR, chlorophyll b reductase; CDP MEK, 4-diphosphocytidyl-2-C-methyl-D-erythritol kinase; CDS, cysteine desulferase; CM, chorismate mutase; CMO, choline monooxygenase; CPOX, coproporphyrinogen III oxidase; CPS, chlorophyll synthase; crtISO, prolycopene isomerase; CrtL-b, lycopene beta-cyclase; CS, chorismate synthase; Cyt b6/f, cytochrome b6f complex; D27, beta-carotene isomerase D27; DADC, diaminopimelate decarboxylase; DJC76, Chaperone protein dnaJ C76; DHAD, dihydroxy-acid dehydratase; DHBP, 3, 4-dihydroxy 2-butanone 4-phosphate synthase / GTP cyclohydrolase II; DHQS, 3-dehydroquininate synthase; DVR, divinyl chlorophyllide a 8-vinyl-reductase; DXPS, 1-deoxy-D-xylulose-5-phosphate synthase; DXR, 1-deoxy-D-xylulose-5-phosphate reductoisomerase; EL, enolase; ESPS, 3-phosphoshikimate 1-carboxyvinyltransferase; FabD, [acyl-carrier-protein] S-malonyltransferase; FabF, 3-oxoacyl-[acyl-carrier-protein] synthase II; FabH, 3-oxoacyl-[acyl-carrier-protein] synthase III; FabG, 3-oxoacyl-[acyl-carrier-protein]; FabZ, 3-O-acetyltransferase; SEC61A, SEC61-alpha subunit of ER-translocon; SIR, sulfite reductase; SIRB, sirohydrochlorin ferrochelatase; SUFA, B, C, D, E, S, cysteine desulferase; TAL, transaldolase; TIC55, translocator of the inner chloroplast envelope membrane 55; THIC, thiamine biosynthesis; TKL, transketolase; TPI, triosephosphate isomerase; TPT, triose phosphate phosphotranslocator; UOD, Uroporphyrinogen decarboxylase; UROS, uroporphyrinogen III synthase; VDE, violaxanthin de-epoxidase; VTE3, MPBQ/MSBQ methylenetransferase; ZDS, zeta-carotene desaturase; ZEP, zeaxanthin epoxidase; Z-ISO, zeta-carotene isomerase (Bock and Khan, 2004; DellaPenna and Pogson, 2006; Hiltunen et al., 2012; Kamikawa et al., 2017; Przybyla-Toscano et al., 2018).