ESI 5. Enriched go-terms among the significantly expressed genes between two strains in response to interaction effect.

		Enriched GO-Biological Process Terms	
INTERACTION EFFECT		Copper Deficient Conditions	High Copper Conditions
UP		Iron ion homeostasis	
DOWN	CCC2\(\Delta\) CCC2\(\Delta\) vs Reference strain	Glucose transport (p-val≤ 3.65e-2) Polyphosphate metabolic process (p-val≤ 3.65e-2) Ribosome biogenesis (p-val≤ 3.65e-2)	Iron ion homeostasis (p-val≤ 8.58e-3) Siderophore transport (p-val≤ 1.5e-3) "de novo" NAD biosynthetic process from tryptophan (p-val≤ 1.04e-3) Purine ribonucleoside triphosphate biosynthetic process (p-val≤ 2.41e-2) Oxidation reduction process (p-val≤ 3.51e-2)