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| Table S11. N2 clusters and their significantly enriched GO biological process terms | | |
| **Clusters** | | **Enriched GO Biological Processes (*p*-value < 0.01)** |
| **1** |  | |  | | --- | | ncRNA transcription | | tRNA transcription from RNA polymerase III promoter | | tRNA transcription | | transcription from RNA polymerase III promoter | | transcription from RNA polymerase I promoter | |
| **2** |  | |  | | --- | | pyridoxine metabolic process | | pyridoxine biosynthetic process | | vitamin B6 biosynthetic process | | vitamin B6 metabolic process | | pyridoxal phosphate metabolic process | | pyridoxal phosphate biosynthetic process | | aldehyde biosynthetic process | | pyridine-containing compound biosynthetic process | | vitamin biosynthetic process | | water-soluble vitamin biosynthetic process | | cellular aldehyde metabolic process | | vitamin metabolic process | | water-soluble vitamin metabolic process | | organic hydroxy compound biosynthetic process | | coenzyme biosynthetic process | | pyridine-containing compound metabolic process | | cofactor biosynthetic process | | organic hydroxy compound metabolic process | |
| **3** |  | |  | | --- | | maturation of SSU-rRNA from tricistronic rRNA transcript (SSU-rRNA, 5.8S rRNA, LSU-rRNA) | | maturation of SSU-rRNA | | ribosomal small subunit biogenesis | |
| **4** |  | |  | | --- | | tRNA modification | | tRNA processing | | RNA modification | | tRNA metabolic process | | tRNA wobble uridine modification | | tRNA wobble base modification | |
| **5** |  |  |
| **6** |  | |  | | --- | | protein processing involved in protein targeting to mitochondrion | | mitochondrial protein processing | |
| **7** |  |  |
| **8** |  |  |
| **9** |  | |  | | --- | | vacuolar acidification | | pH reduction | | intracellular pH reduction | | regulation of cellular pH | | regulation of intracellular pH | | regulation of pH | | cellular monovalent inorganic cation homeostasis | | monovalent inorganic cation homeostasis | | cellular cation homeostasis | | cellular ion homeostasis | | inorganic ion homeostasis | | cation homeostasis | | cellular chemical homeostasis | | ion homeostasis | | chemical homeostasis | | cellular homeostasis | |
| **10** |  |  |
| **11** |  |  |
| **12** |  | |  | | --- | | histone exchange | | ATP-dependent chromatin remodeling | | chromatin modification | | chromatin organization | | nucleosome organization | | chromatin remodeling | | chromosome organization | | protein-DNA complex subunit organization | |