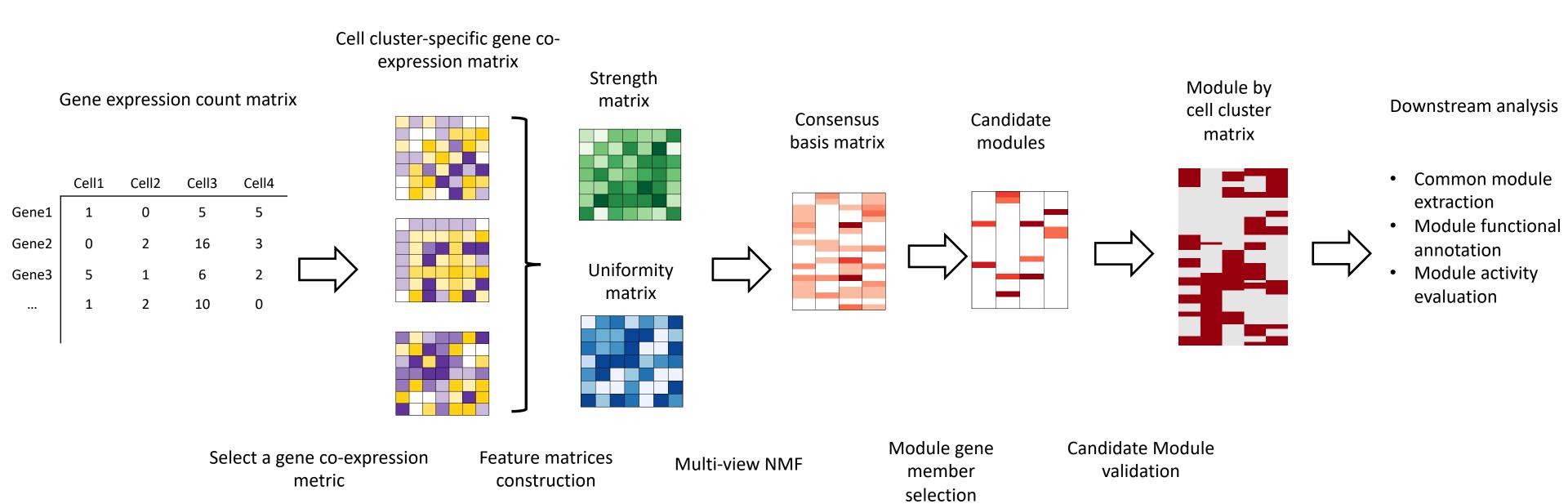
Figure 1



C module 1 module 2 0.6 8.0 protein folding proton transmembrane transport chaperone-mediated protein folding trans-synaptic signaling anterograde trans-synaptic signaling response to heatchemical synaptic transmission protein stabilization multicellular organism aging cation transport chaperone cofactor-dependent protein refolding response to abiotic stimulus determination of adult lifespantaxis signal release aging regulation of cellular pH positive regulation of cellular protein metabolic process regulation of pH protein lipidation 2.5 5.0 7.5 10.0 0 6 0.0 -log10(p.adjust) -log10(p.adjust) module 3 module 4 В #gene • 10 • 104 • 160 • 166 ATP metabolic process cytoplasmic translation generation of precursor metabolites and energy Module 2 Mean uniformity per module ribosome biogenesis proton transmembrane transport purine ribonucleotide metabolic process ribosome assembly ribose phosphate metabolic process ribonucleoprotein complex assembly -ATP biosynthetic process -Module 3 ribonucleoprotein complex subunit organization mitochondrion organization pyruvate metabolic process rRNA processing -Module 4 cation transport -Module 1 rRNA metabolic process carbohydrate derivative biosynthetic process -0.03 0.10 0.30 30 60 90 0 120 25 50 75 Mean strength per module 0 -log10(p.adjust) -log10(p.adjust)

Figure 2

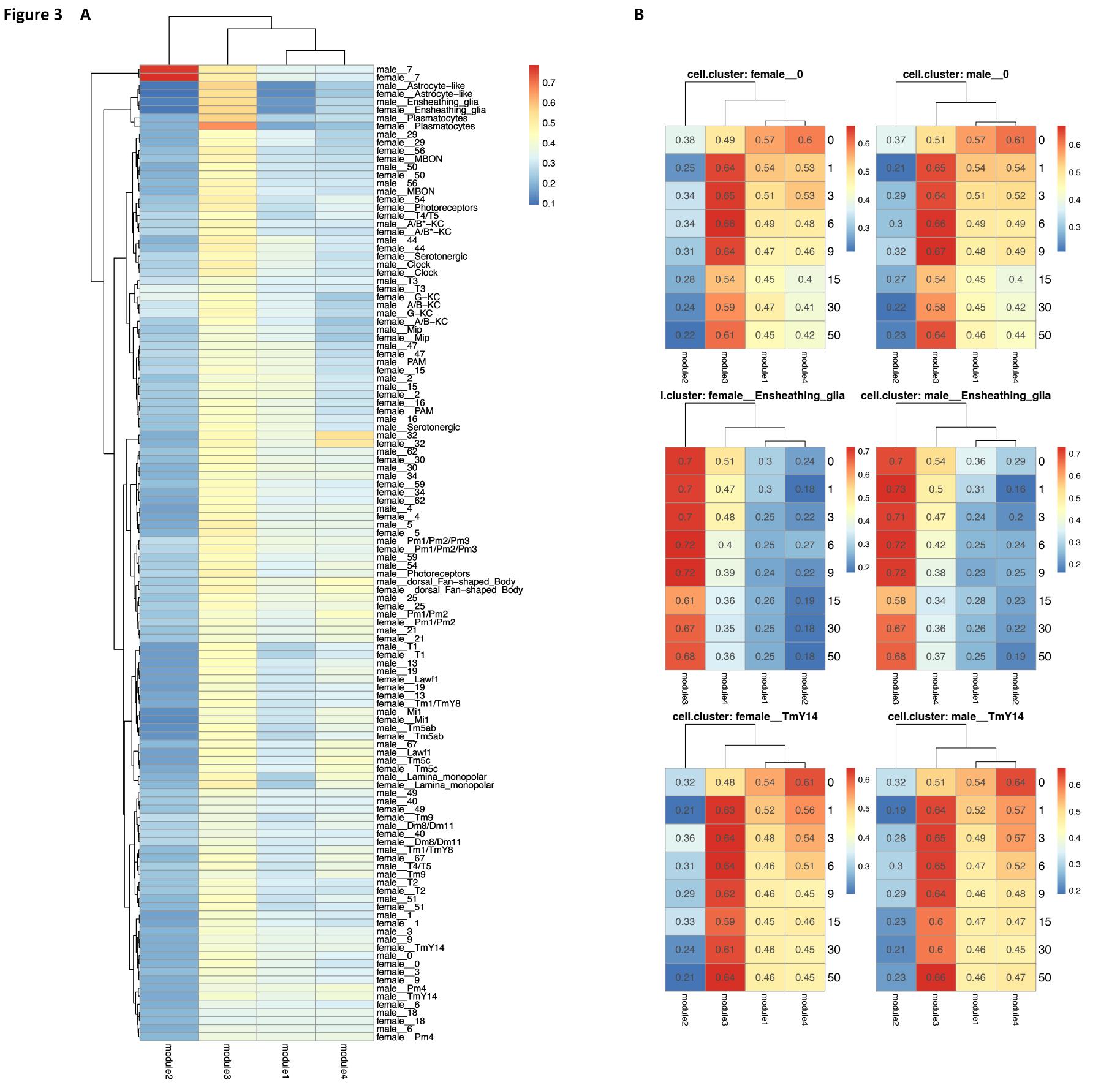


Figure 4

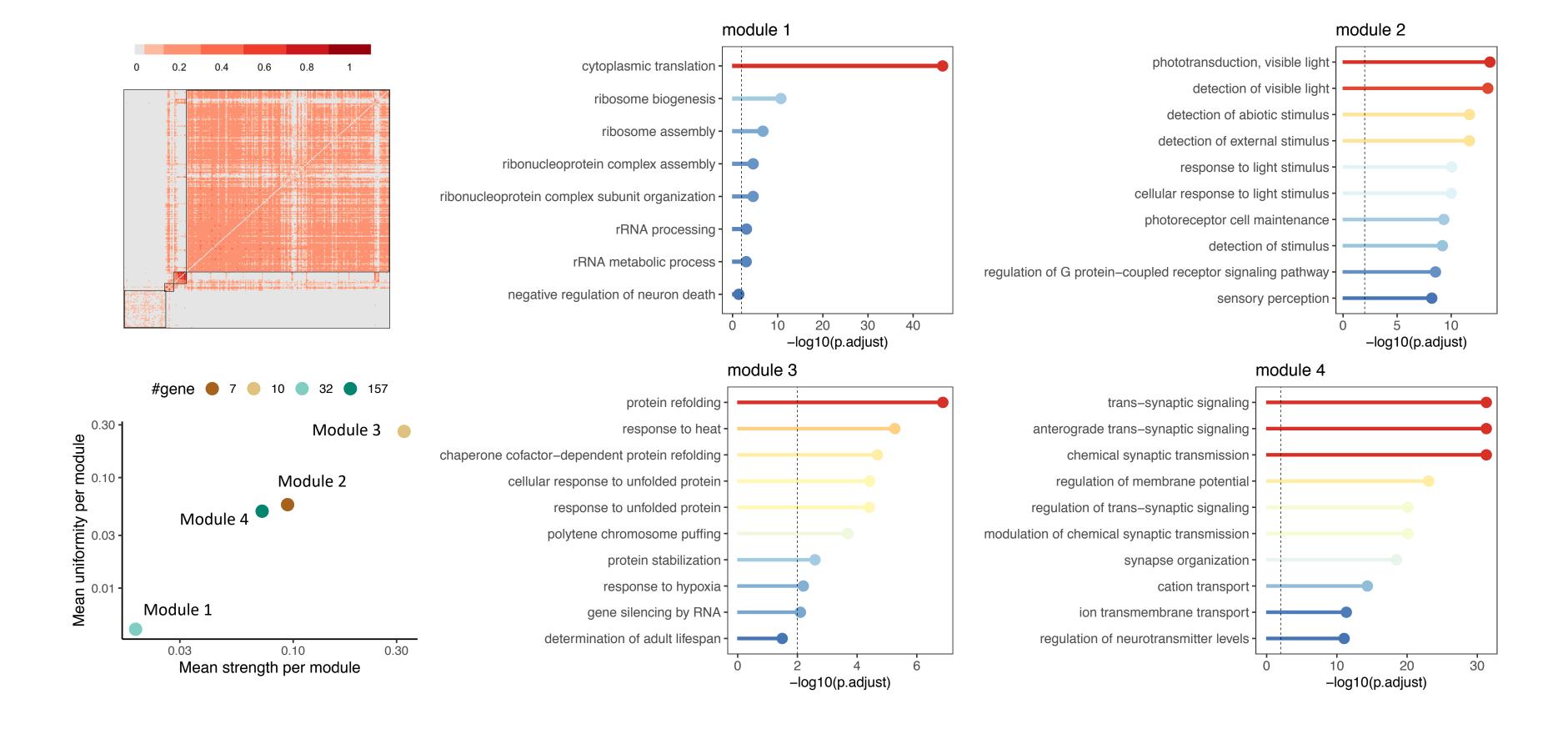


Figure 5

