**Top pathways enriched in full differentiation (early preadipocytes to mature adipocytes)**

**Metabolic activation**
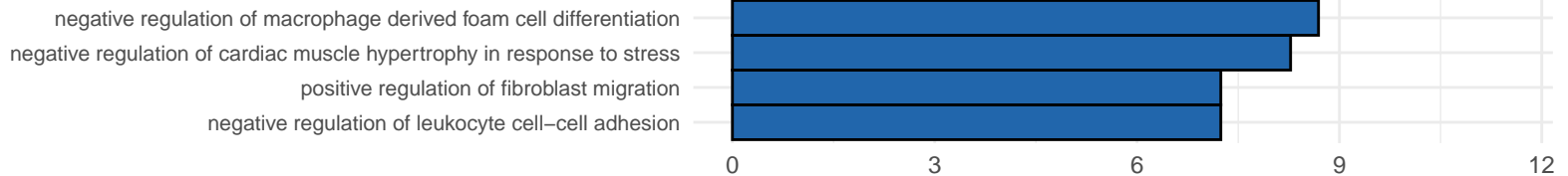- positive regulation of fatty acid beta−oxidation
- NADP metabolic process
- intracellular distribution of mitochondria
- NADH metabolic process
- fatty acid beta−oxidation using acyl−CoA dehydrogenase
- respiratory electron transport chain
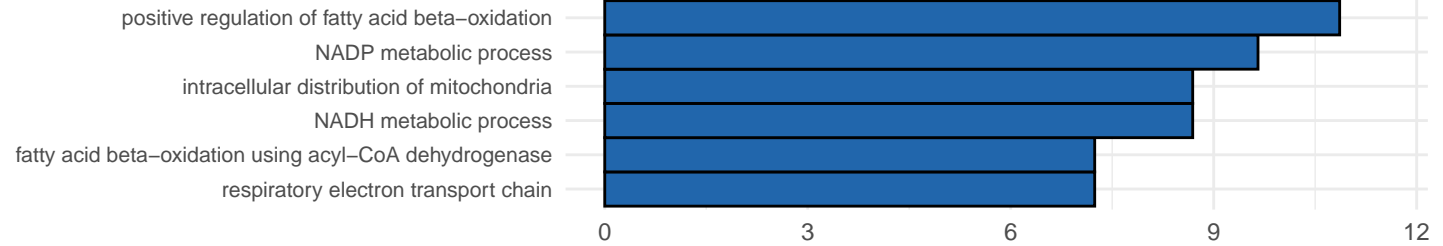
**Cellular restructuring & vesicle dynamics**
- caveolin−mediated endocytosis
- caveola assembly
- regulation of bicellular tight junction assembly
- bleb assembly
- cell motility
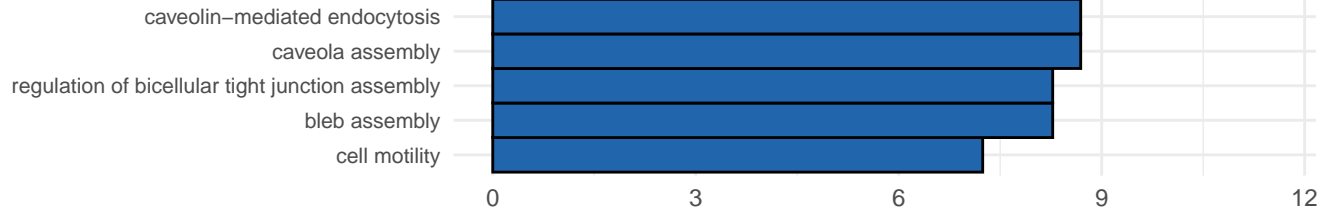
**Cell communication & signal transduction**
- cell surface receptor protein tyrosine phosphatase signaling pathway
- positive regulation of phospholipase C activity
- growth hormone receptor signaling pathway
- negative regulation of epidermal growth factor receptor signaling pathway
- regulation of potassium ion transmembrane transporter activity

**Differentiation & tissue remodelling**
- negative regulation of macrophage derived foam cell differentiation
- negative regulation of cardiac muscle hypertrophy in response to stress
- positive regulation of fibroblast migration
- negative regulation of leukocyte cell−cell adhesion

Fold enrichment