A: sumT1 - T2

Up-regulated KEGG pathways
- Regulation of actin cytoskeleton
- T cell receptor signaling pathway
- Adherens junction
- Osteoclast differentiation
- Axon guidance
- TGF-beta signaling pathway
- Endocytosis
- p53 signaling pathway
- MAPK signaling pathway
- Purine metabolism

Down-regulated KEGG pathways
- Protein digestion and absorption
- Dopaminergic synapse
- Retrograde endocannabinoid signaling
- Protein processing in endoplasmic reticulum
- Calcium signaling pathway

Number of Differentially Expressed Genes

B: sumT2 - T3

Up-regulated KEGG pathways
- Complement and coagulation cascades
- Tight junction
- Ubiquitin mediated proteolysis
- Neuroactive ligand-receptor interaction
- Metabolism of xenobiotics by cytochrome P450
- Retinol metabolism

Down-regulated KEGG pathways
- Bile secretion
- Protein digestion and absorption
- Progesterone-mediated oocyte maturation
- Dopaminergic synapse
- B cell receptor signaling pathway
- T cell receptor signaling pathway
- Adherens junction
- ECM-receptor interaction
- Focal adhesion
- Osteoclast differentiation
- Axon guidance
- Wnt signaling pathway
- Endocytosis
- Protein processing in endoplasmic reticulum
- p53 signaling pathway
- Oocyte meiosis
- Cell cycle
- Chemokine signaling pathway
- MAPK signaling pathway
- N-Glycan biosynthesis

Number of Differentially Expressed Genes