



1 Liver-enriched

- Peroxisomal fatty acid oxidation
- Bile acid biosynthesis
- Xenobiotics metabolism

4 Brain-enriched

- Membrane lipids (*i.e.*, glycerophospholipid and glycosphingolipid)
- Signaling molecules (*i.e.*, inositol, beta-alanine, GABA and prostaglandin)

7 Lung and spleen-enriched

- Specific unsaturated FA metabolism (*i.e.*, leukotrienes)
- Amino sugar metabolism

2 Striated muscle tissue-enriched

- Mitochondrial fatty acid oxidation
- Fatty acid biosynthesis and elongation
- TCA cycle and Glycolysis

5 GI tract-enriched

- Biosynthesis of many polysaccharide derivatives
 - blood group antigens
 - keratan sulfate and O-glycan
 - lacto and neolacto series biosynthesis
- Production of 5-HTP

8 Pancreas-enriched

- Aminoacyl-tRNA biosynthesis
- Metabolism of other amino acids
- Glutathione metabolism
- Formation and hydrolysis of cholesterol esters

3 Adrenal gland-enriched

- Steroid, glucocorticoid, and androgen metabolism
- Other lipid biosynthesis (*i.e.*, cholesterol)
- Other hormone biosynthesis (*i.e.*, L-dopa)

6 Skin-enriched

- Arachidonic acid metabolism
- Leukotriene metabolism
- Purine and pyrimidine metabolism