

Supplemental Data 6. Representative biological functions for TC/SC Unique, TH/SH Uniqus and Common gene sets

	TC/SC UNIQUE	COMMON	TH/SH UNIQUE
Liver	acetylation	signal peptide, glycoproteins immune responses	acute immune response
	peroxisome fatty acids metabolism		metal ion binding
Lung	pleckstrin homology (PH)	defense response	cell cycle, ubl conjugation
	inflammatory response	leukocyte activation	DNA replication, regulation of transcription
	oxidoreductase activity cytochrome p450 drug metabolism	Regulation of cytokine production regulation of I-kB kinase/NF-kB cascade Carbohydrate catabolic process	Circulatory system process Response to hormone stimulus cytoskeleton-dependent transport

Gene set of total COMMON genes in each tissue

Gene set of up-regulated TS/SC UNIQUE or TH/SH UNIQUE gene in each tissue

Gene set of down-regulated TS/SC UNIQUE or TH/SH UNIQUE gene in each tissue