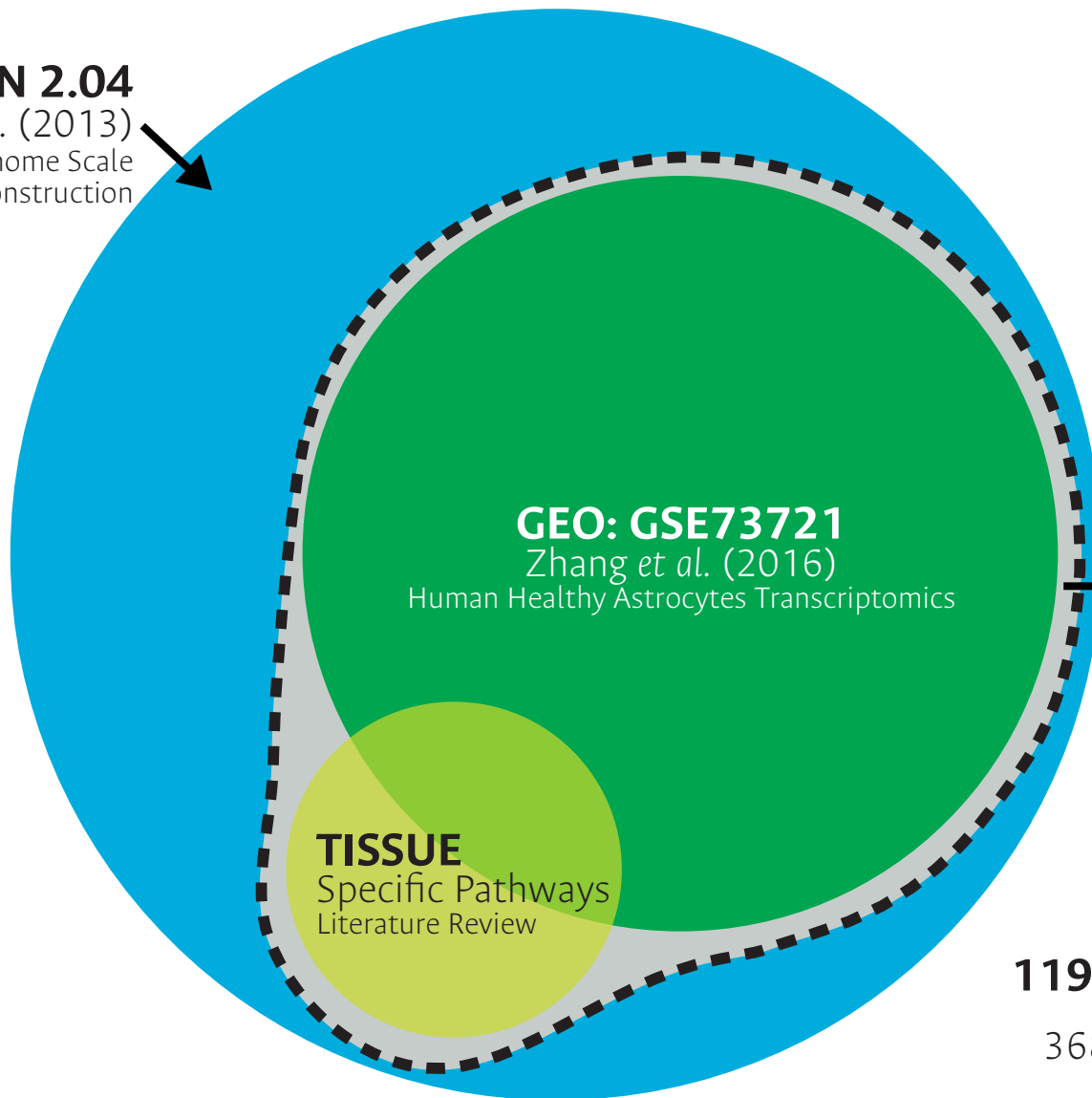


**RECON 2.04**  
Thiele *et al.* (2013)  
Human Genome Scale  
Metabolic Reconstruction



**GEO: GSE73721**  
Zhang *et al.* (2016)  
Human Healthy Astrocytes Transcriptomics

**Astrocyte**  
GIBBSLab. (2016)  
Healthy Astrocyte  
Tissue Specific Reconstruction

**TISSUE**  
Specific Pathways  
Literature Review

**1191 Orphan Metabolites**

368  333  490 