## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

**Description:** Ratio of tissues sequenced on pancreas and non-pancreas days.

File Name: Supplementary Data 2

**Description:** Ratio of tissues sequenced on esophagus and non-esophagus days.

File Name: Supplementary Data 3

**Description:** The output of the pancreas gene contamination linear mixed model.

File Name: Supplementary Data 4

**Description:** The output of the esophagus mucosa gene contamination linear mixed model.

File Name: Supplementary Data 5

**Description:** A technical comparison of the GTEX1 fibroblast sample and its main contaminating GTEX2 esophagus sample.

File Name: Supplementary Data 6

**Description:** Ten RNA-seq experiments with two or more tissues/cells all demonstrating cross contamination between samples.