## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1 - 4 (zip file)

**Description:** This .zip file contains the following Supplementary Data files:

**Supplementary Data 1:** Ranked list containing the top 100 features associated with each cell type, from sensitivity analysis of the multiclass logistic regression

**Supplementary Data 2:** Ranked list containing the top 100 features associated with each cell type, from sensitivity analysis of the artificial neural network

**Supplementary Data 3:** Results from Gene Ontology analysis of features listed in Supplementary Data 2

**Supplementary Data 4:** Results from Gene Ontology analysis of features listed in Supplementary Data 1