README file for the SomaLogic demo program

The program is written using Java 1.7 and is executable from any machine with a JRE installed and configured. The program can take as input any number of Annotation and GTF files in one or more sub-directories and process them sequentially. The output is written to two files **logFile.txt** and **outfile.txt** and are overwritten for each run of the program. The logFile.txt file contains information about the running of the program and processing files.   The outfile.txt file contains a more detailed version of the output produced for the programming task. The formatting of the output wasn't fully specified so I took my best guess as to what the output should look like.

Included in this zip file are the executable jar file **SomaLogicCodeExample.jar,** a **src** directory containing the source java files, the **SampleOutput** directory containing the two sample output files from a run as well as two sample data files in the **data** subdirectories.

Program execution: The program can be run from a command line or DOS prompt. The program takes two parameters, the first being the directory where the data file(s) exist and the second optional parameter is where the output files are to be written. If the second parameter is not specified the output files will be written to the calling directory. The program will write information to the console as it is running. This is done to show the program is functioning correctly since it takes about a minute to process the files and find matches. The command to run the program is:

java -jar SomaLogicCodeExample.jar "<dataDirectory>" "<outputDirectory>"

For example, from the directory where you have unzipped the files the following command would look like the following:

java -jar SomaLogicCodeExample.jar "C:\temp\SomaLogic\data\sample_files" SampleOutput

Note: if the data directory isn't specified the program will write an error message and halt. Also the quotes around the directory names may not be required, but are included here explicitly just in case the directories names have spaces or other characters in the names which might cause problems

If you have any question please email me at: **tjviolette@wcox.com**

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