#!/bin/csh

#$ -S /bin/csh

set thisdir = `pwd`

# --- SET UP ENVIRONMENT VARIABLES ---

echo --- setting up environment variables ---

# presumed location of MATLAB Component Runtime (MCR) v7.14

# if the MCR is in a different location, edit the line below

# set mcr\_root = $thisdir/MATLAB\_Component\_Runtime

set mcr\_root = $thisdir/MATLAB\_Component\_Runtime

setenv LD\_LIBRARY\_PATH $mcr\_root/v714/runtime/glnxa64:$LD\_LIBRARY\_PATH

setenv LD\_LIBRARY\_PATH $mcr\_root/v714/sys/os/glnxa64:$LD\_LIBRARY\_PATH

setenv LD\_LIBRARY\_PATH $mcr\_root/v714/sys/java/jre/glnxa64/jre/lib/amd64/native\_threads:$LD\_LIBRARY\_PATH

setenv LD\_LIBRARY\_PATH $mcr\_root/v714/sys/java/jre/glnxa64/jre/lib/amd64/server:$LD\_LIBRARY\_PATH

setenv LD\_LIBRARY\_PATH $mcr\_root/v714/sys/java/jre/glnxa64/jre/lib/amd64:$LD\_LIBRARY\_PATH

setenv XAPPLRESDIR $mcr\_root/v714/X11/app-defaults

# (these may be set permanently by copying the above lines into your login script)

# --- RUN GISTIC 2.0 ---

echo --- creating output directory ---

set basedir = $thisdir/results

mkdir -p $basedir

echo --- running GISTIC ---

set segfile = $thisdir/seg.txt

set markersfile = $thisdir/markers\_remove\_duplicate.sort.txt

set refgenefile = $thisdir/hg19.mat

#set alf = $thisdir/examplefiles/arraylistfile.txt

#set cnvfile = $thisdir/examplefiles/cnvfile.txt

~/Tools/gistic\_install\_directory/gp\_gistic2\_from\_seg -b $basedir -seg $segfile -mk $markersfile -refgene $refgenefile -genegistic 1 -smallmem 1 -broad 1 -brlen 0.5 -conf 1 -armpeel 1 -savegene 1 -gcm extreme -ta 0.2