

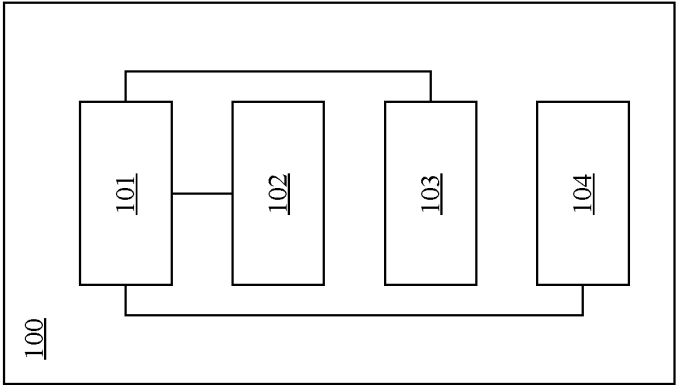


FIG. 1

200

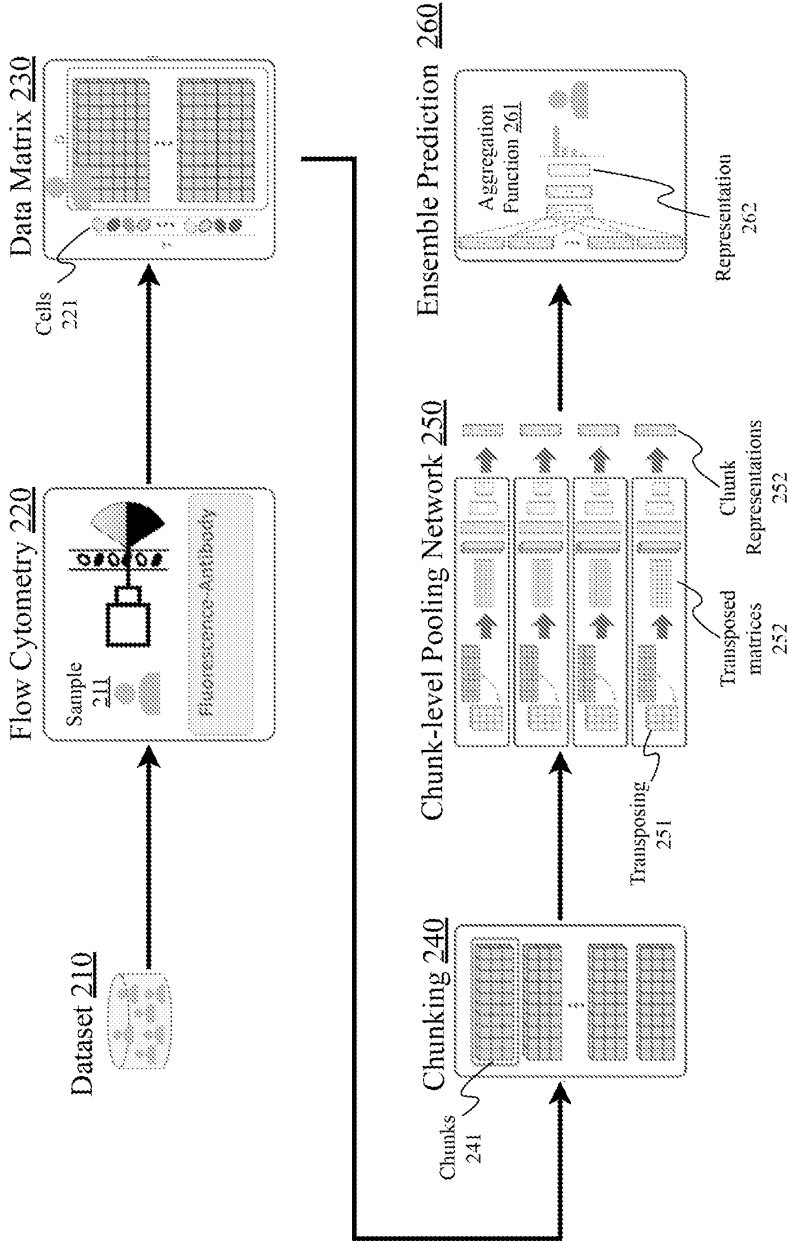


FIG. 2

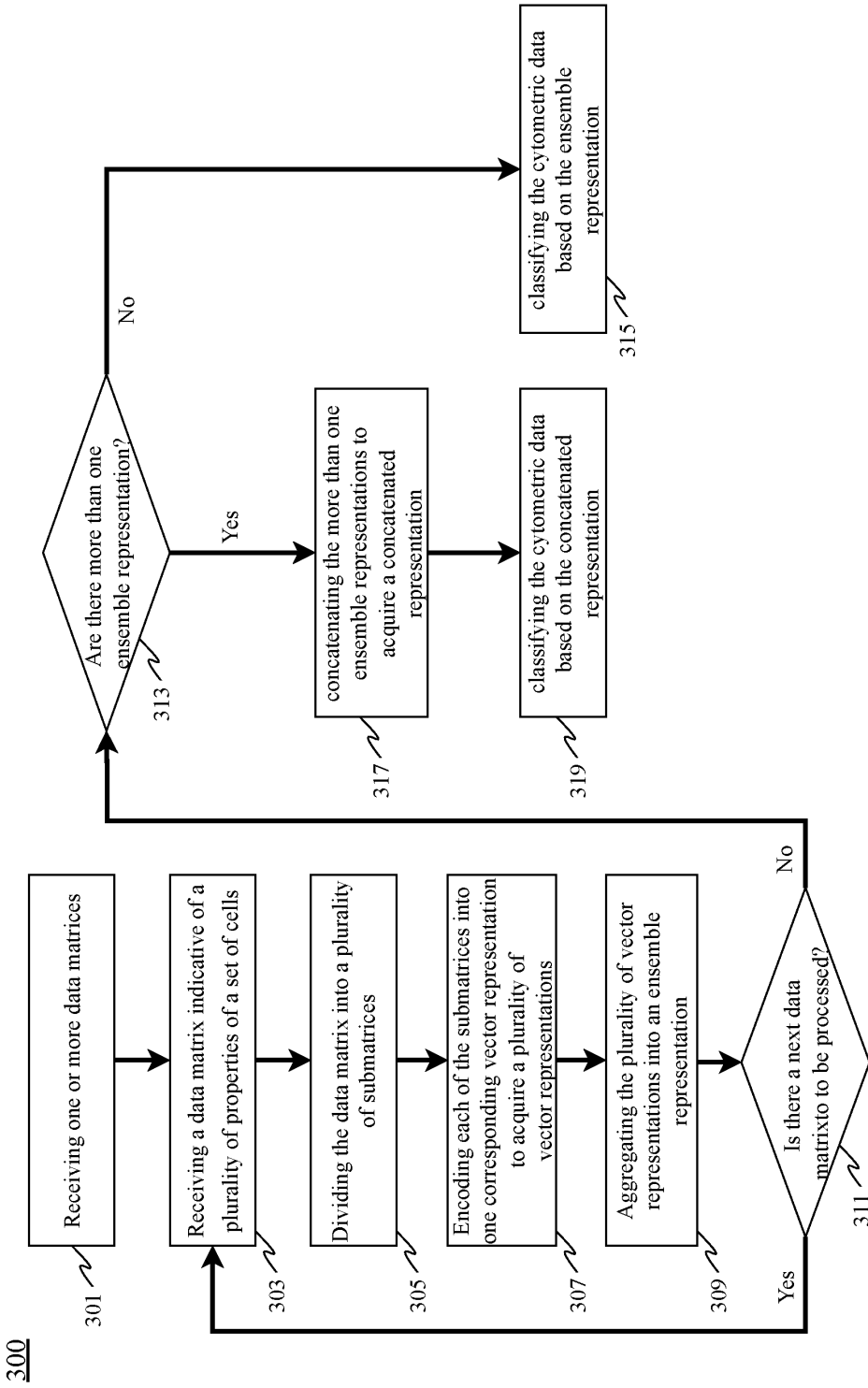
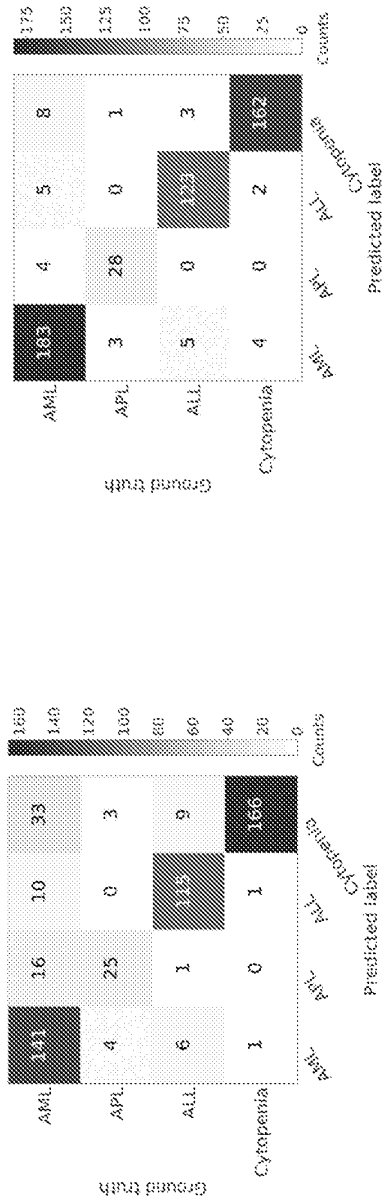
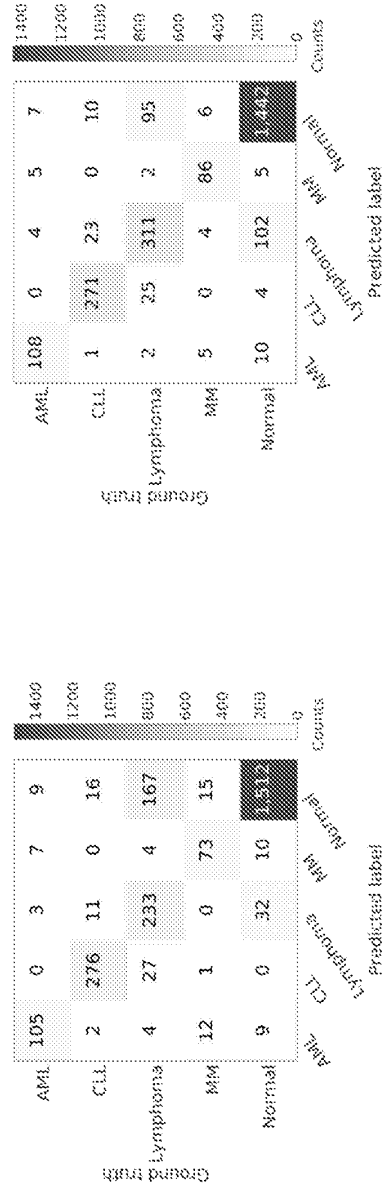


FIG. 3



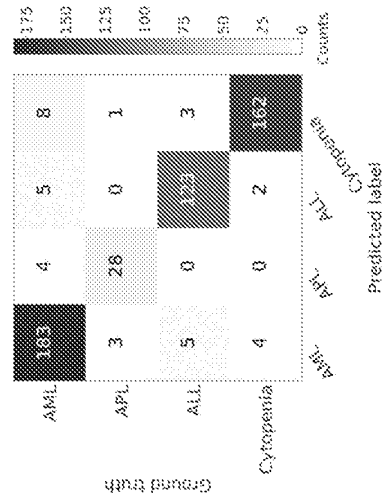
N-FV on UPMC

FIG. 4A



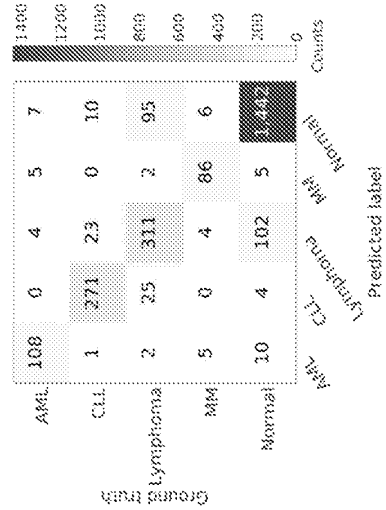
N-VLAD on hema.to

FIG. 4C



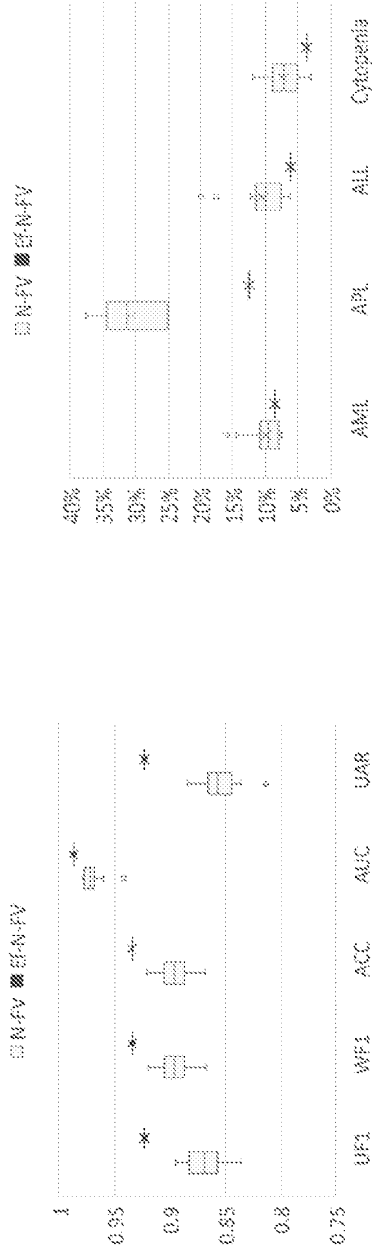
Ef-N-FV on UPMC

FIG. 4B



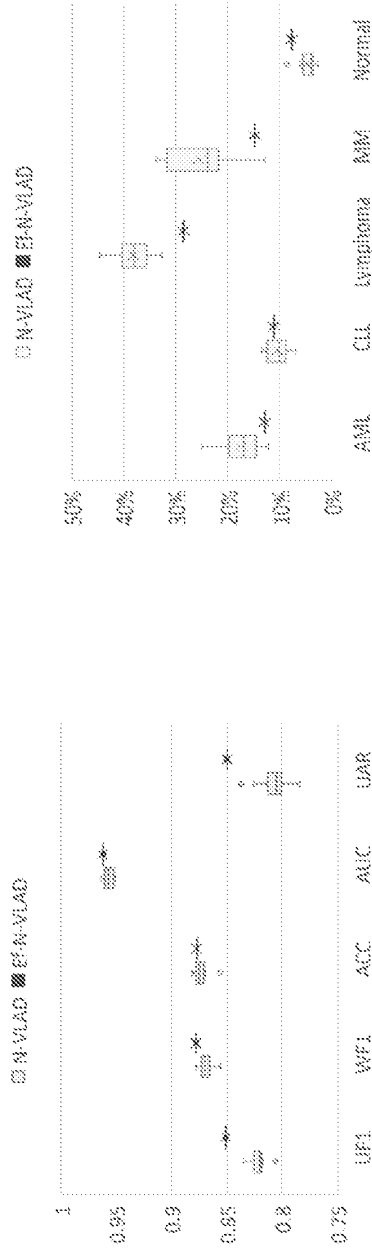
Ef-N-VLAD on hema.to

FIG. 4D



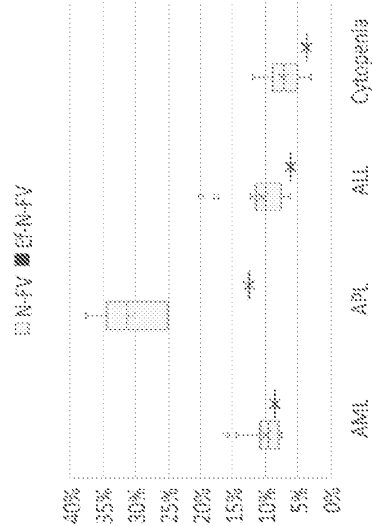
UPMC Performance

FIG. 5A



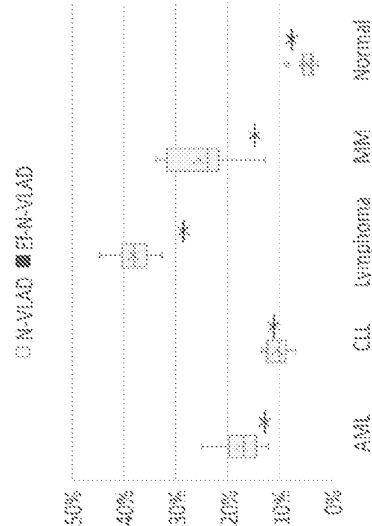
hema.to Performance

FIG. 5C



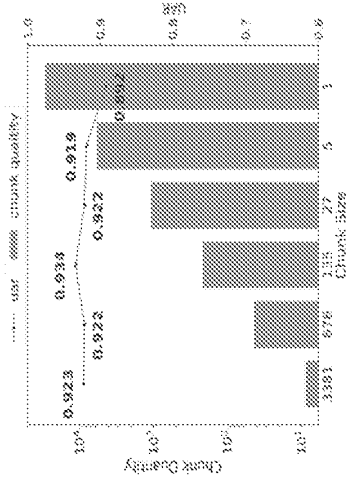
UPMC Error

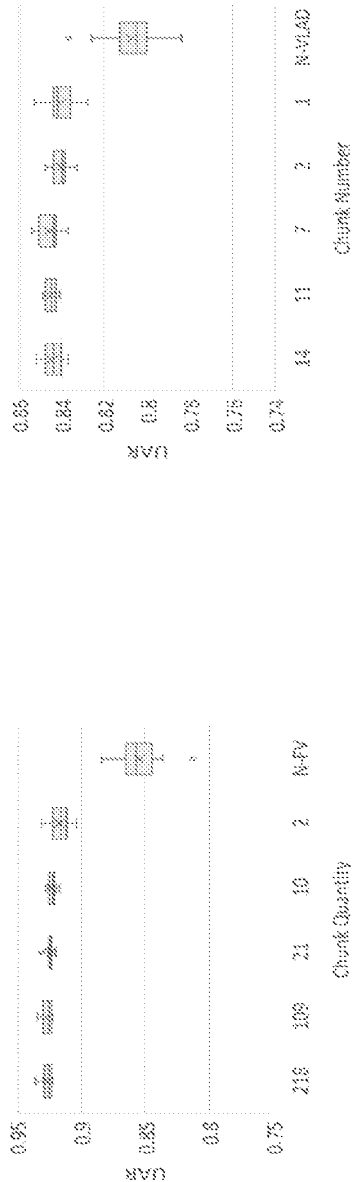
FIG. 5B



hema.to Error

FIG. 5D





UPMC
FIG. 7A

hema.to
FIG. 7B