

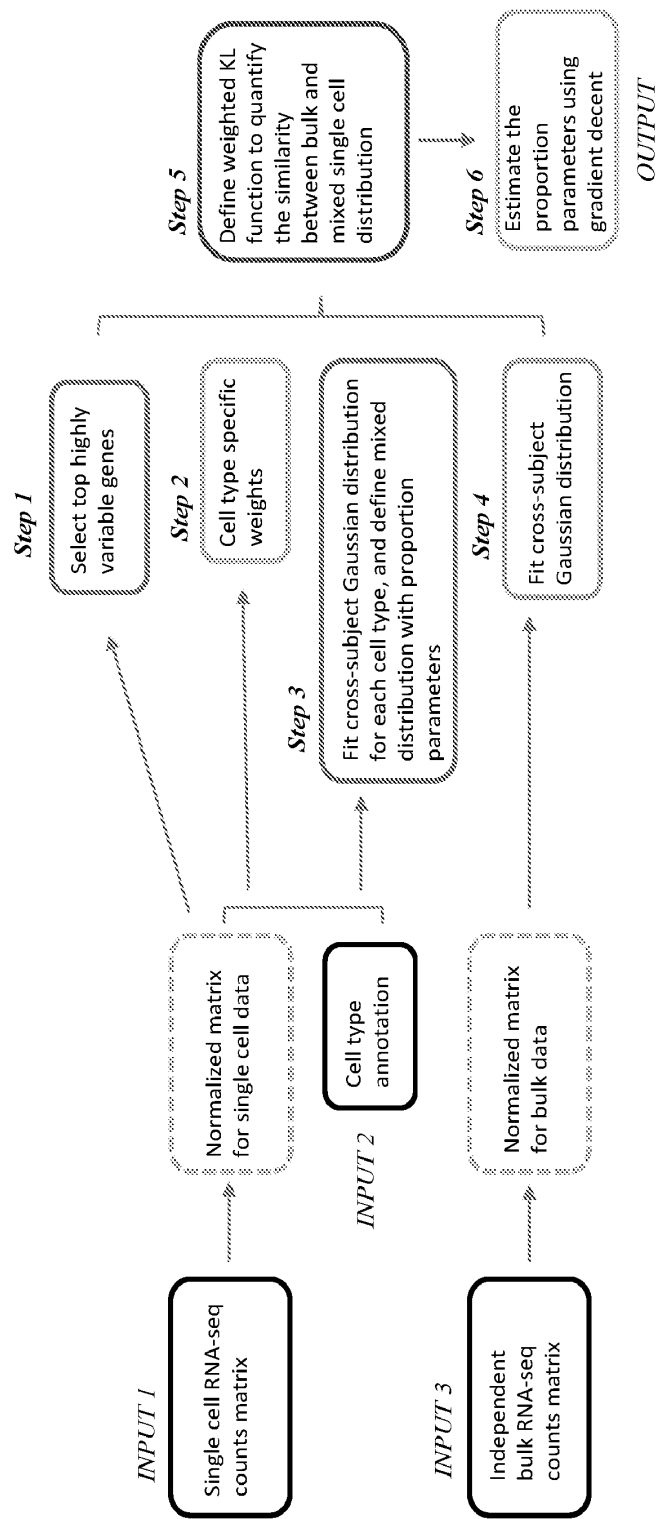


Figure 1

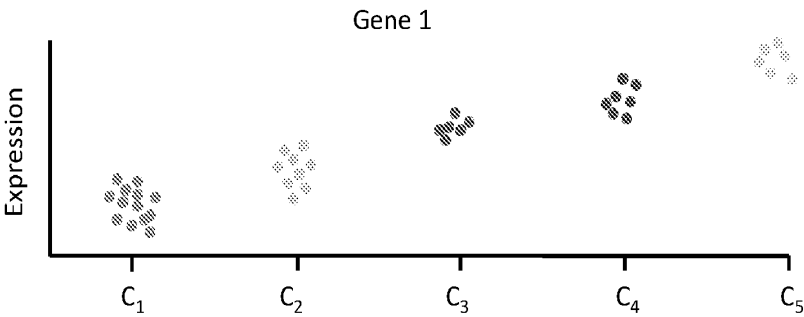


Figure 2A

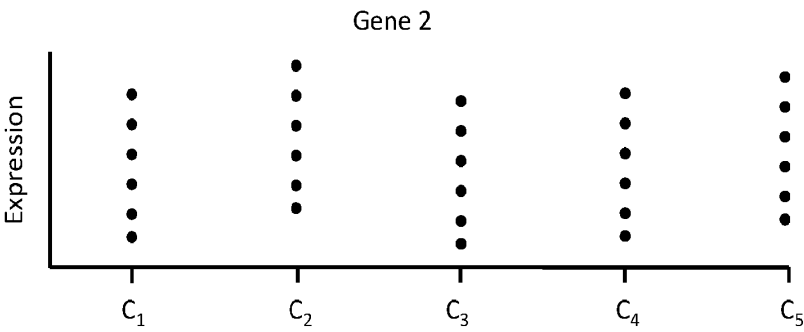


Figure 2B

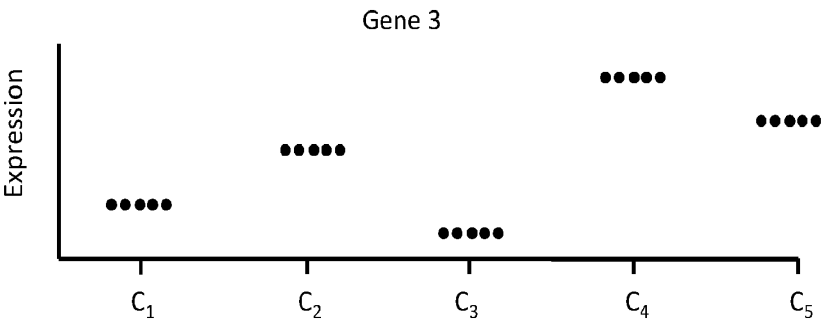


Figure 2C

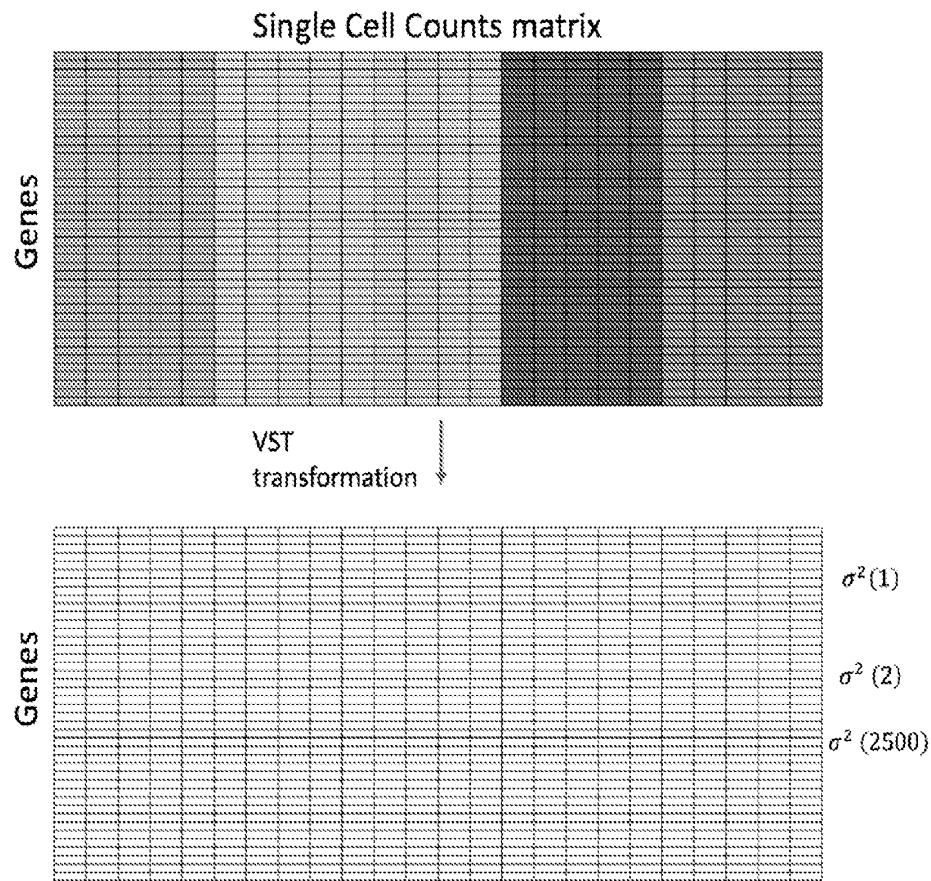


Figure 3

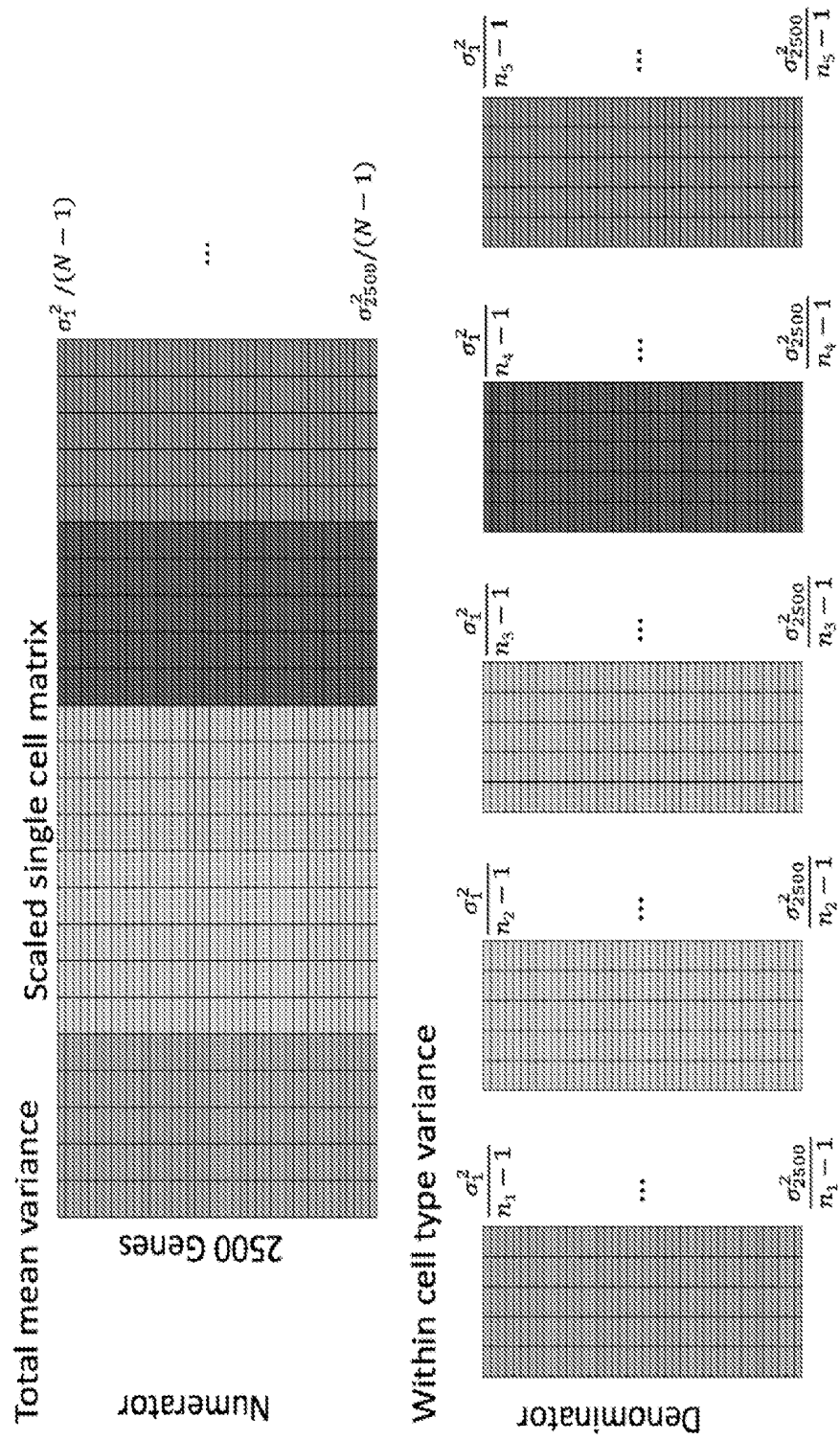


Figure 4

Top highly variable Genes from single cell

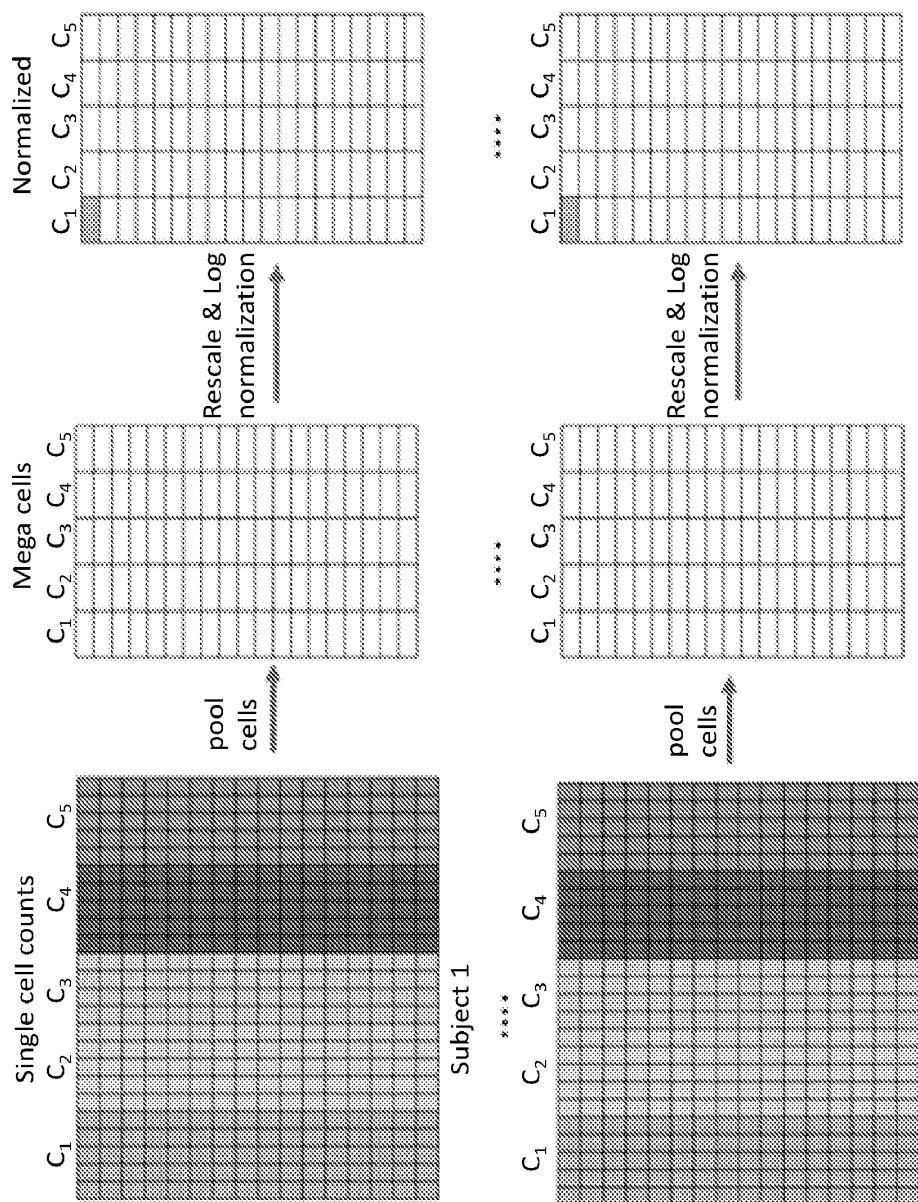


Figure 5

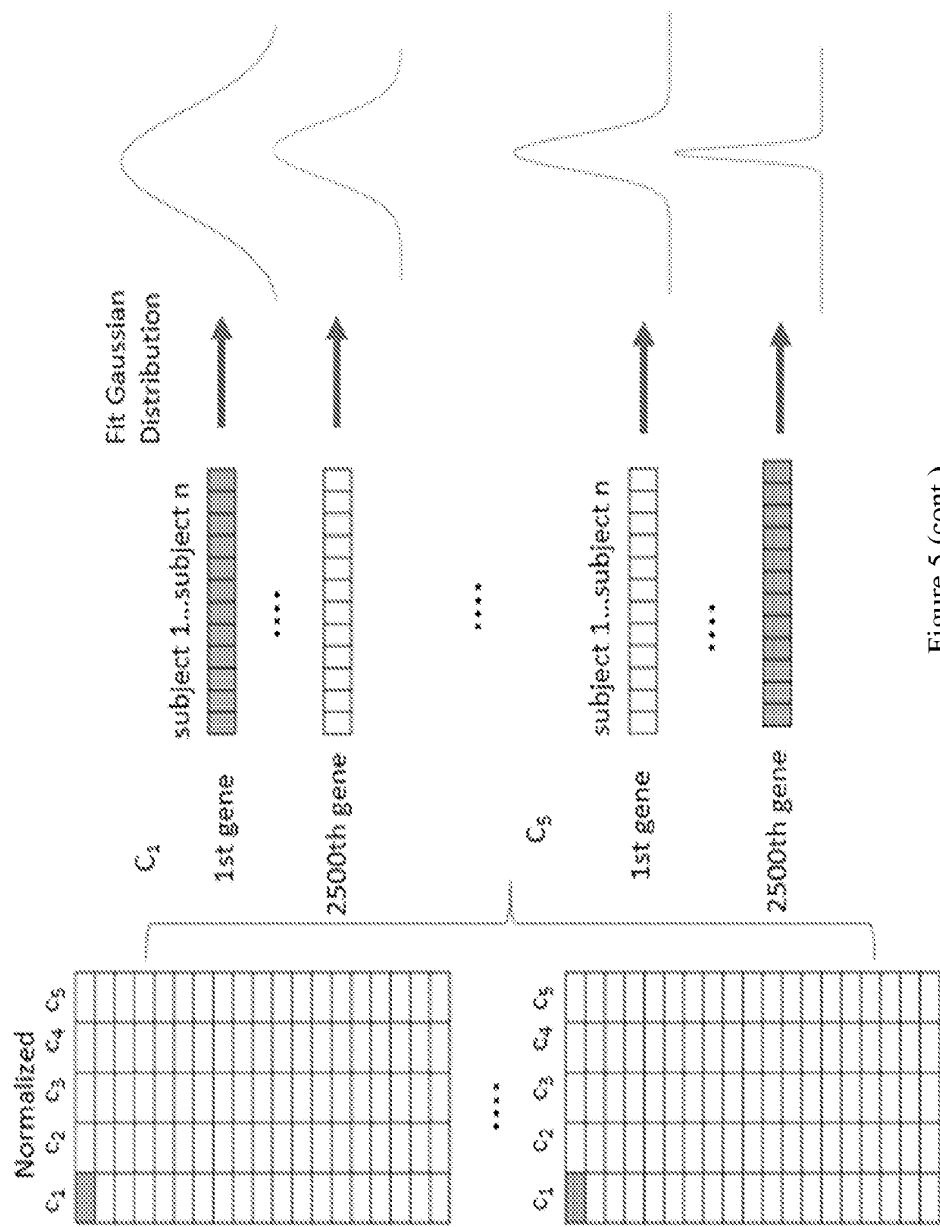


Figure 5 (cont.)

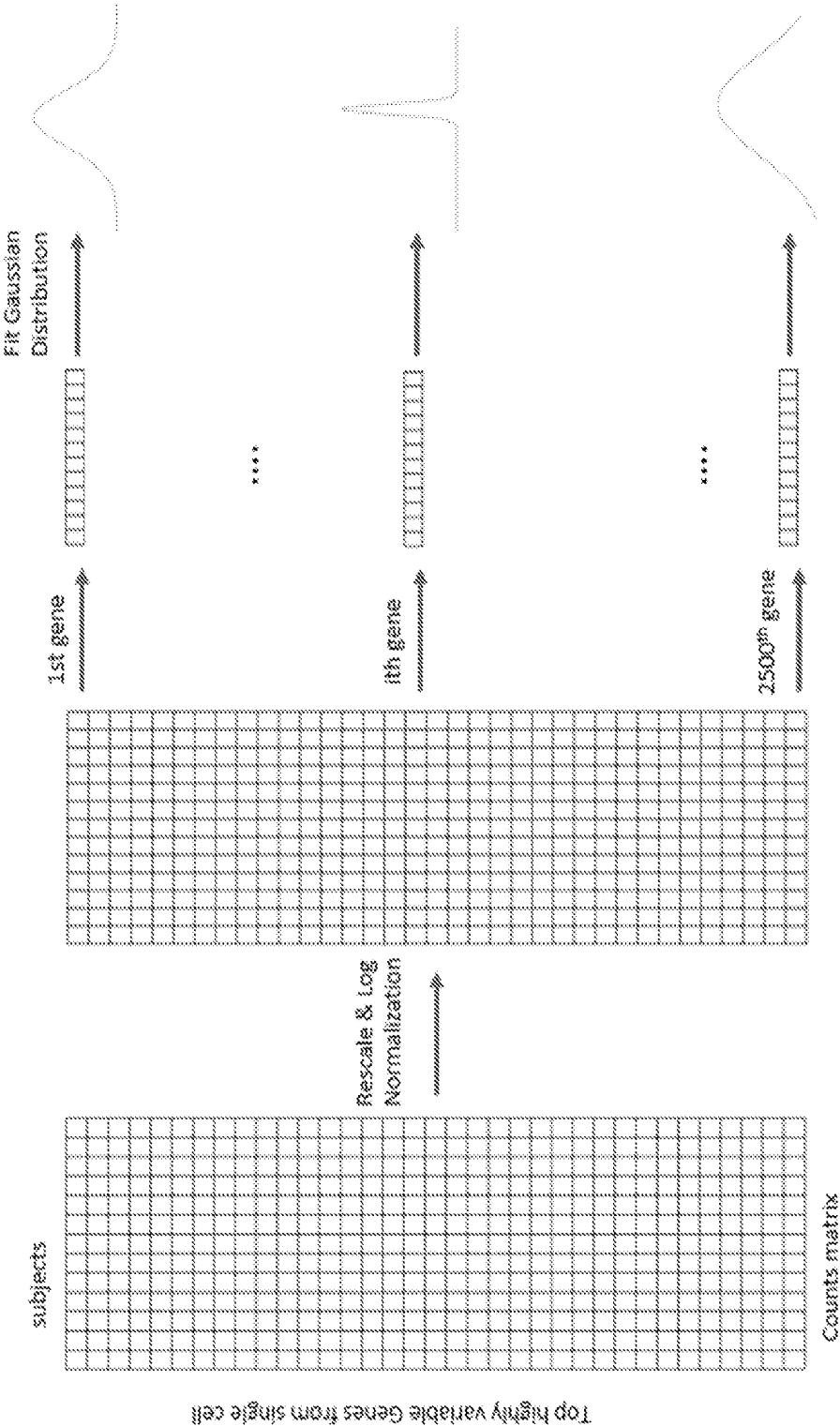


Figure 6

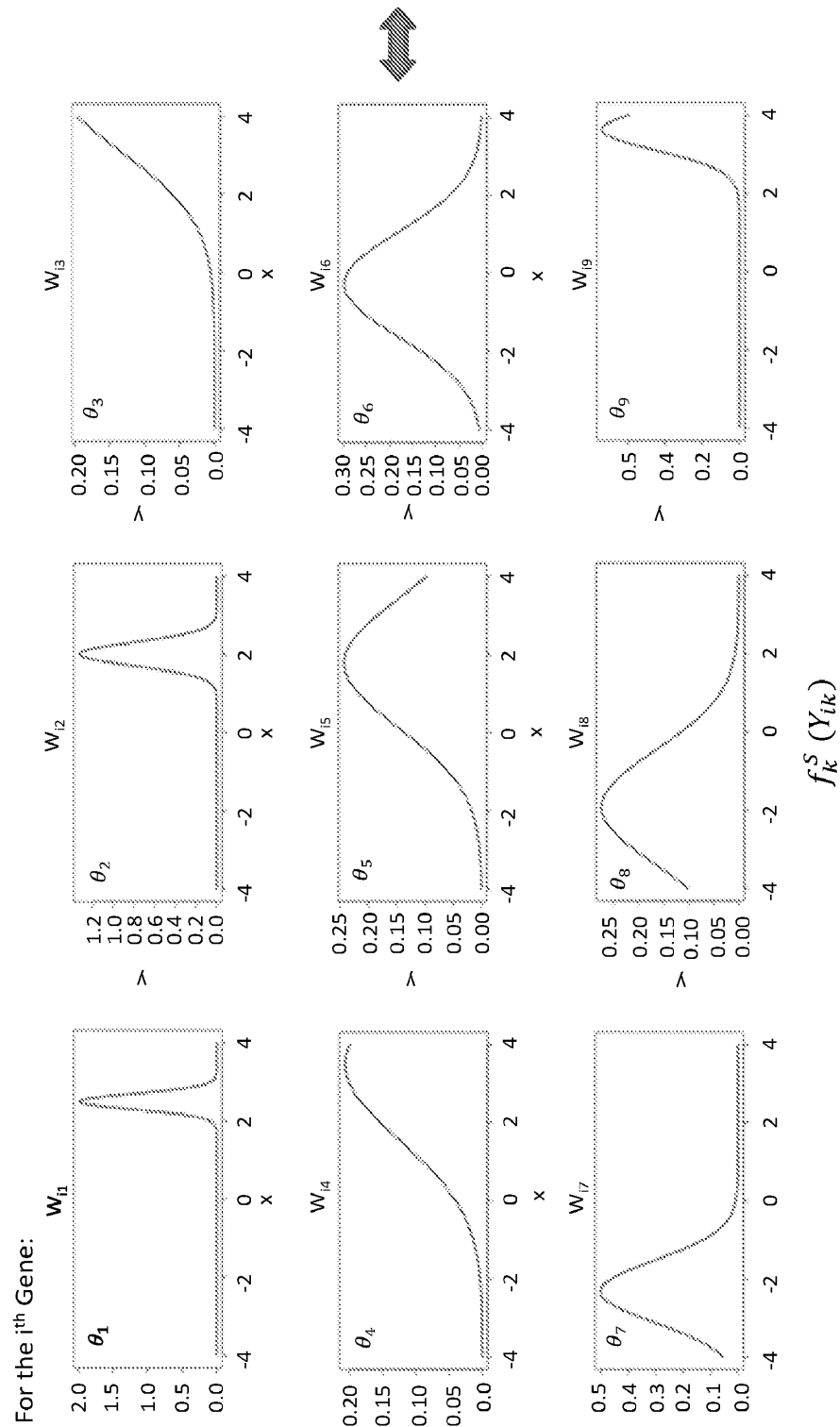


Figure 7

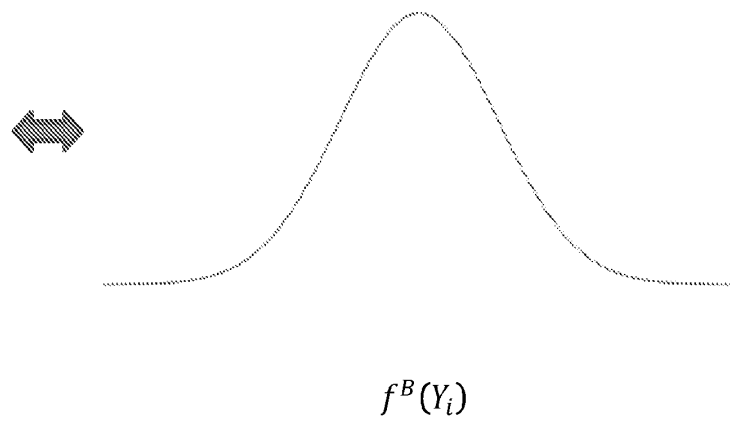


Figure 7 (cont.)

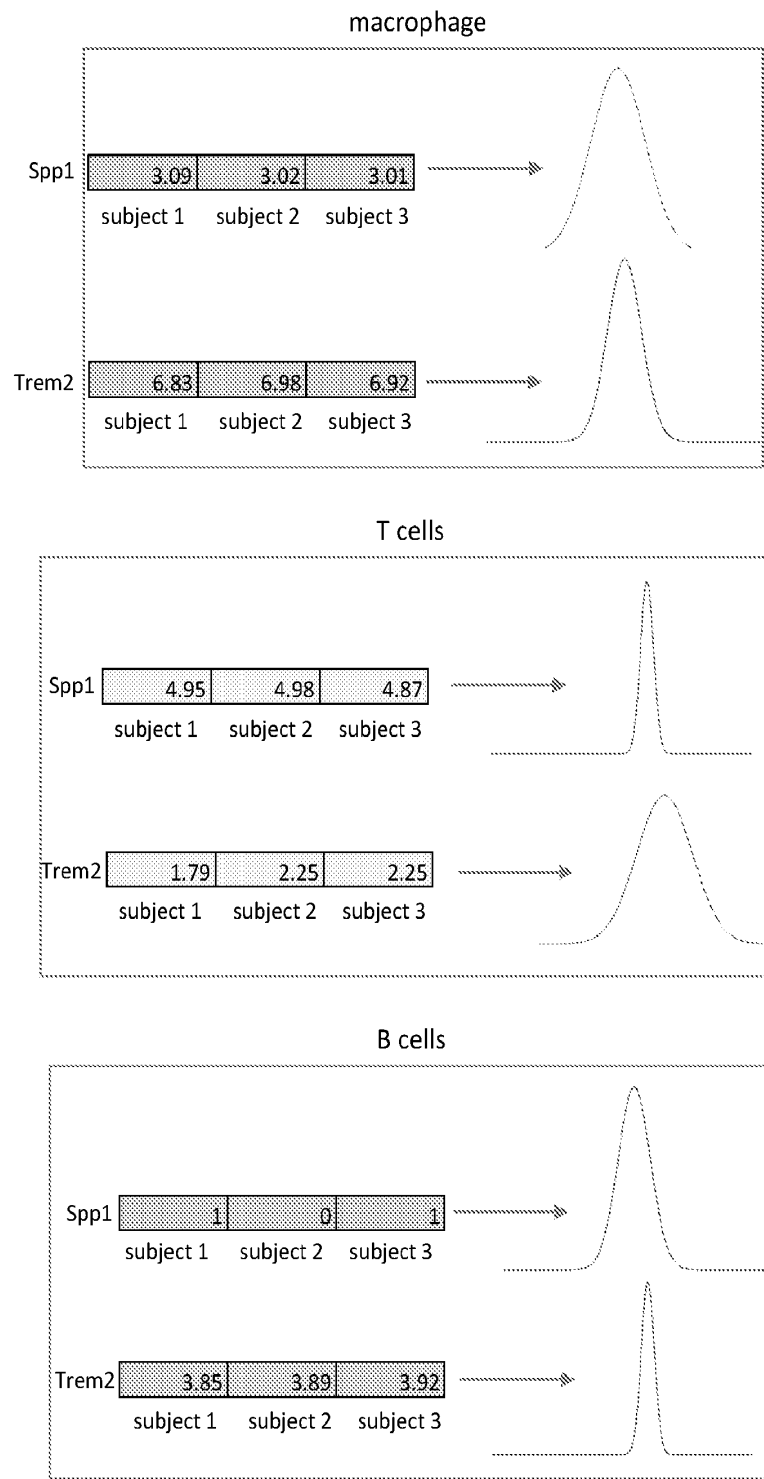


Figure 8

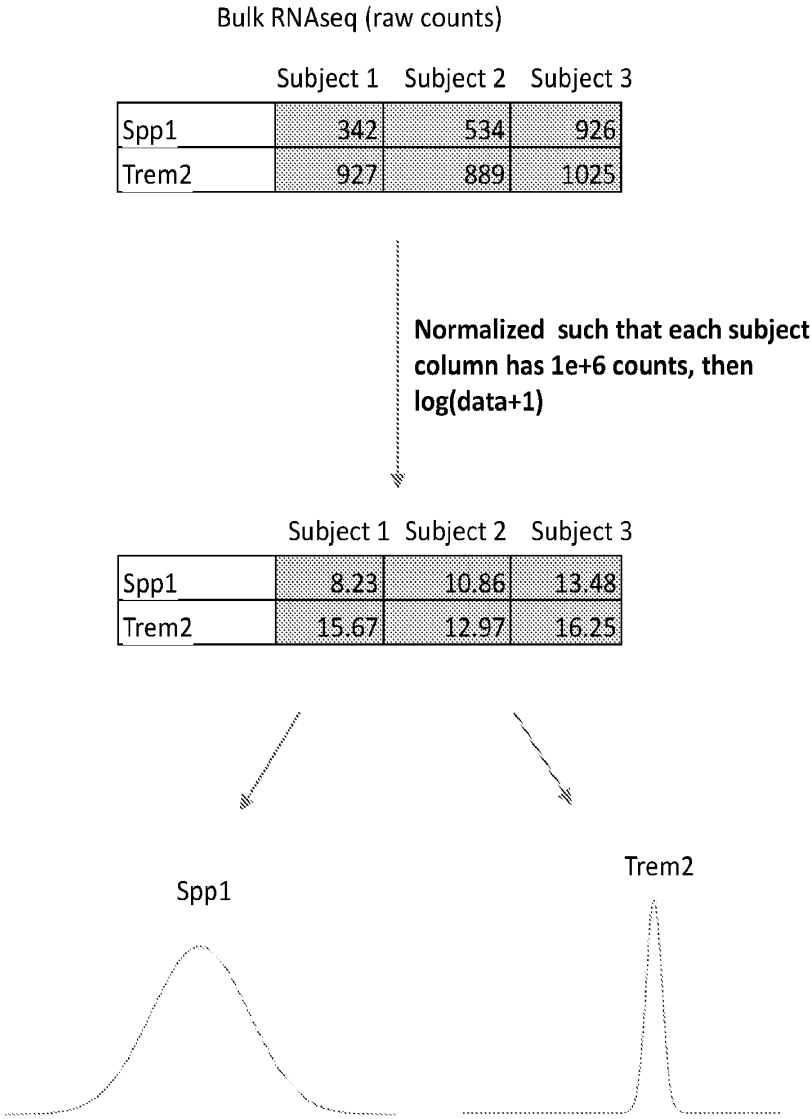


Figure 9

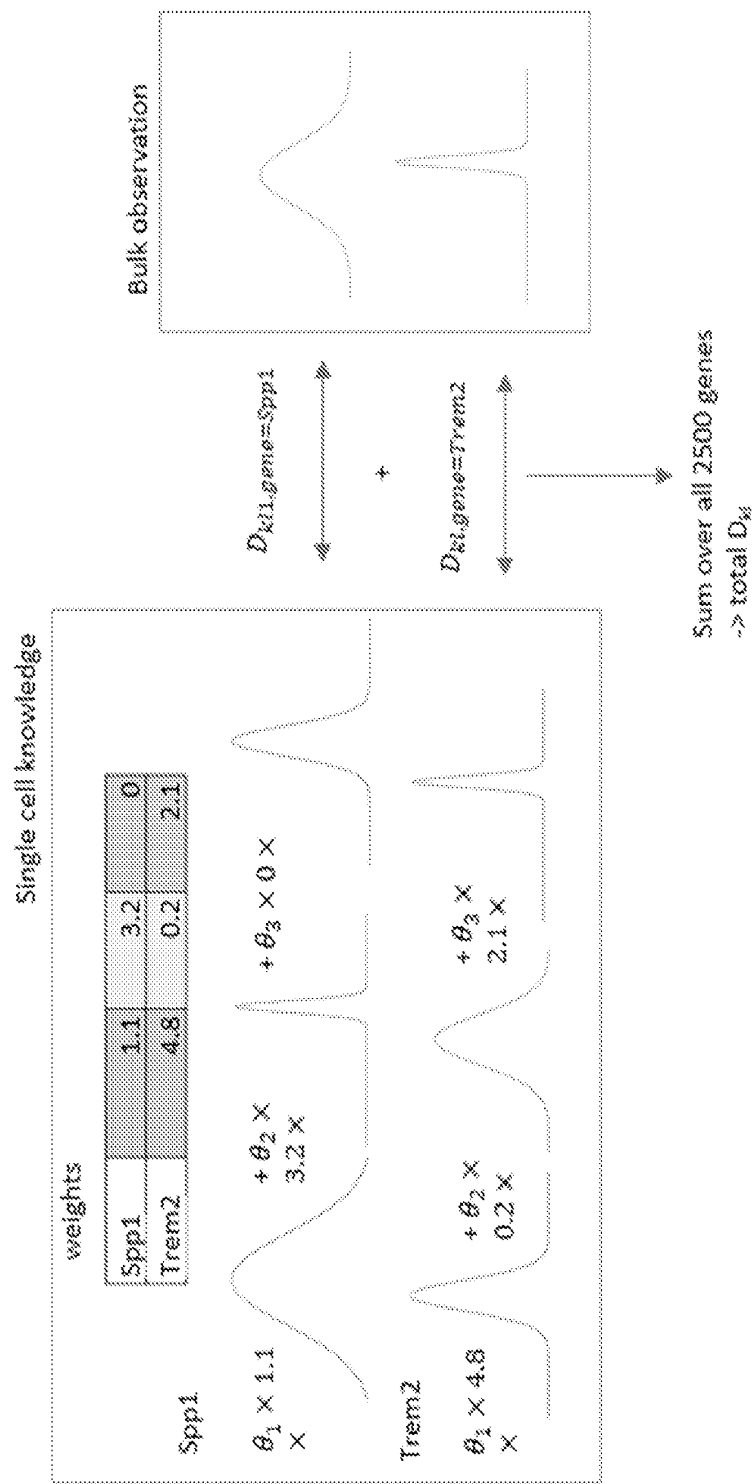


Figure 10

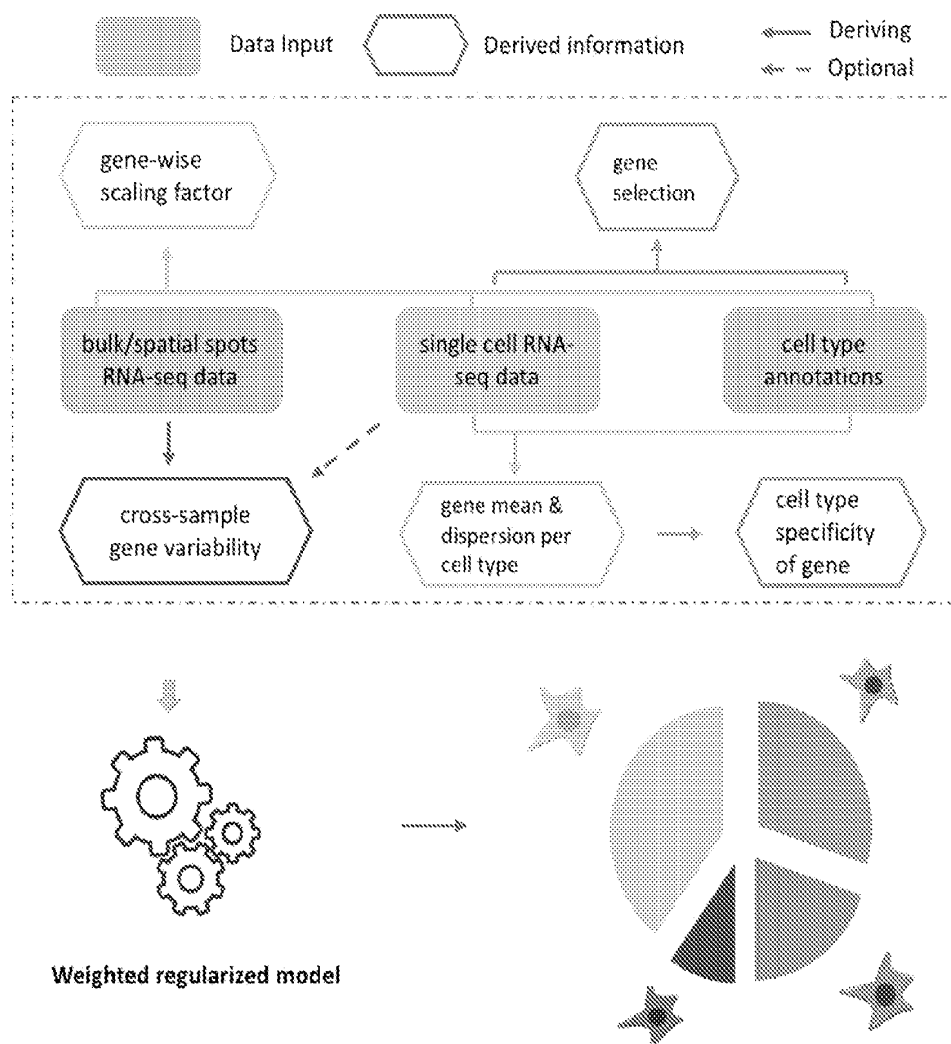


Figure 11

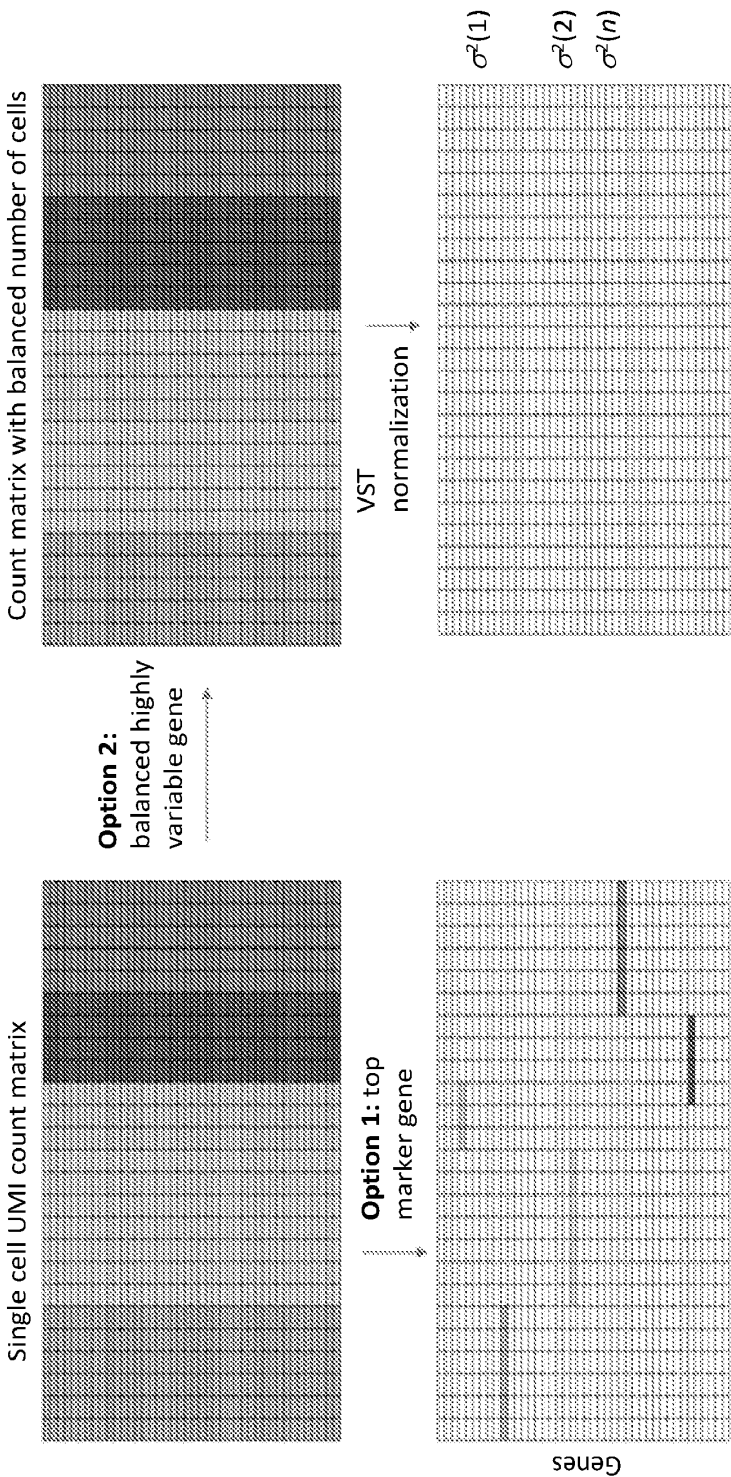


Figure 12A

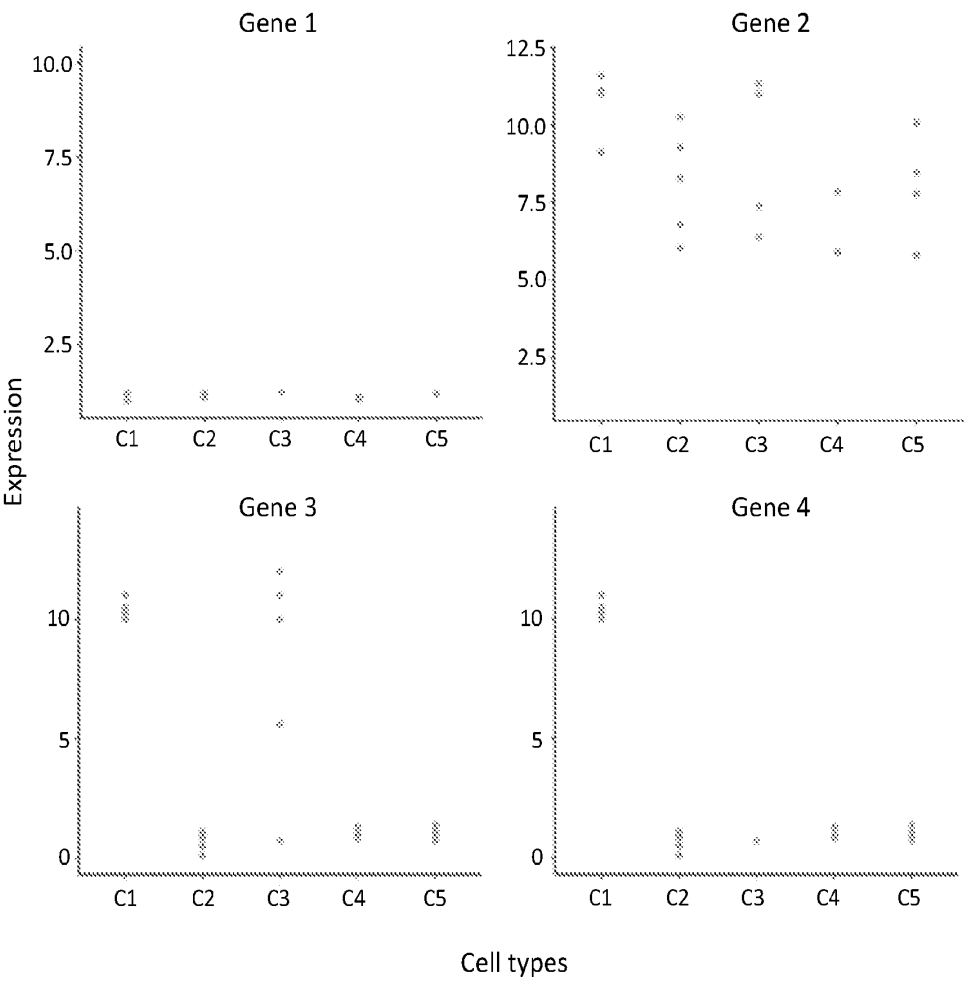


Figure 12B

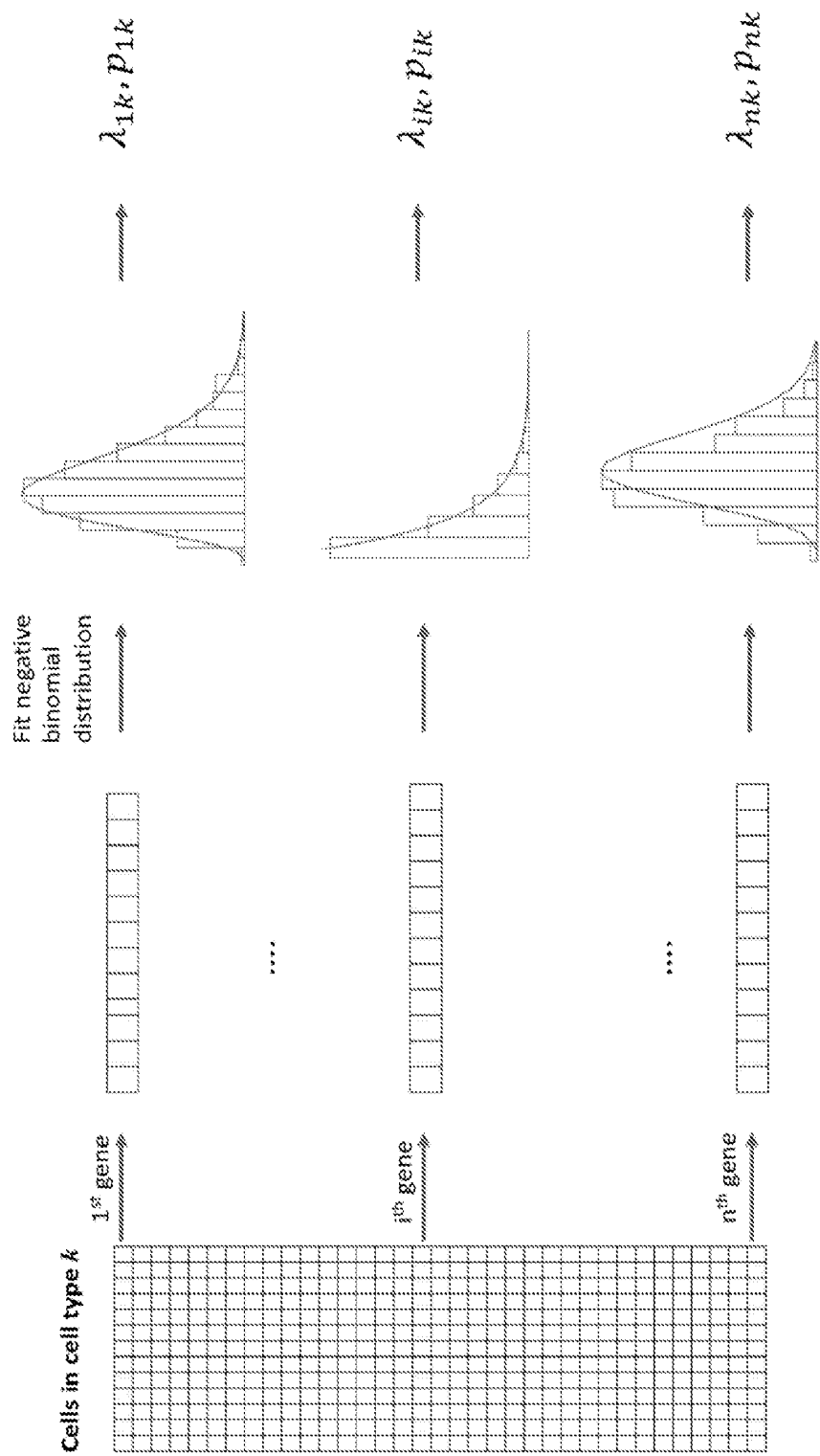


Figure 13

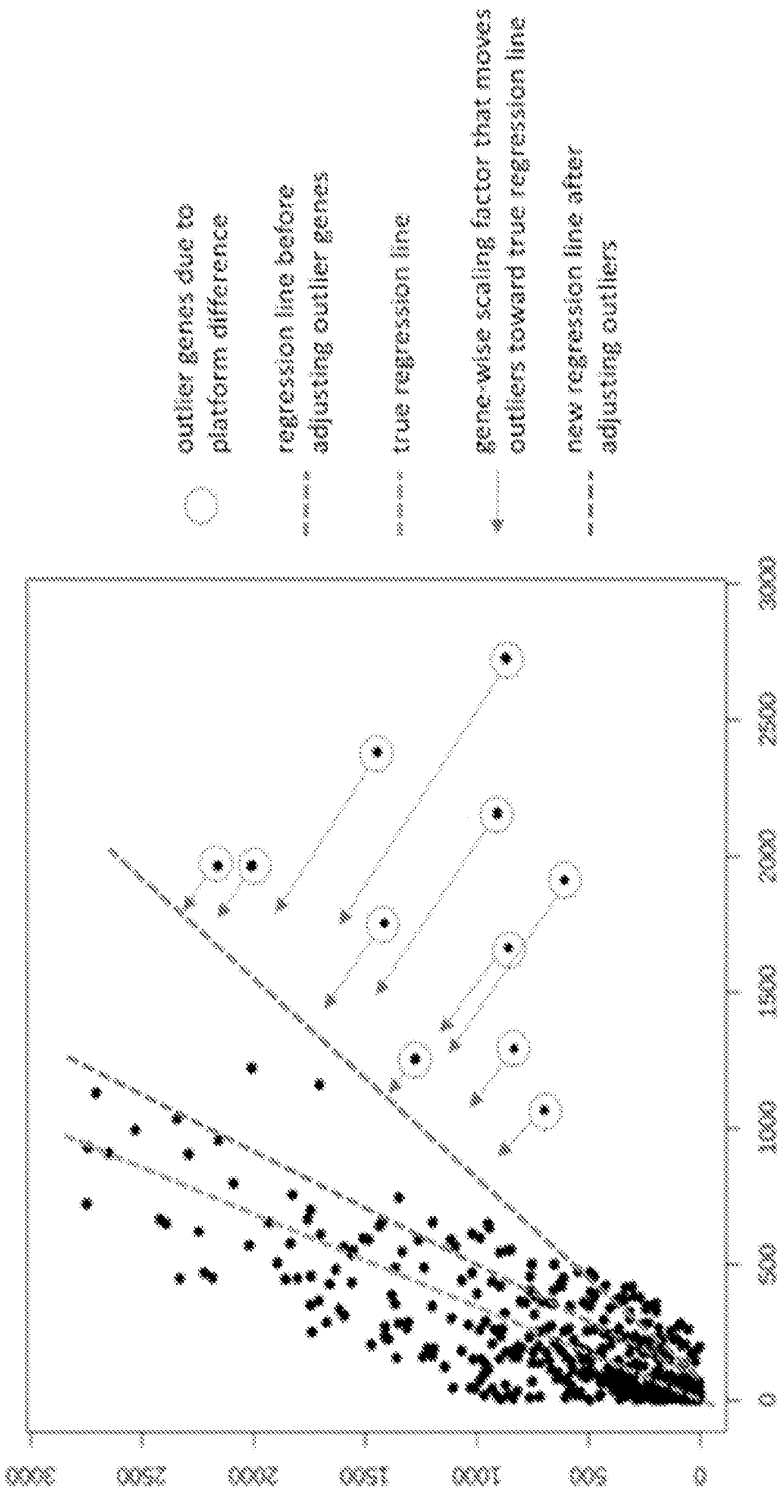


Figure 14

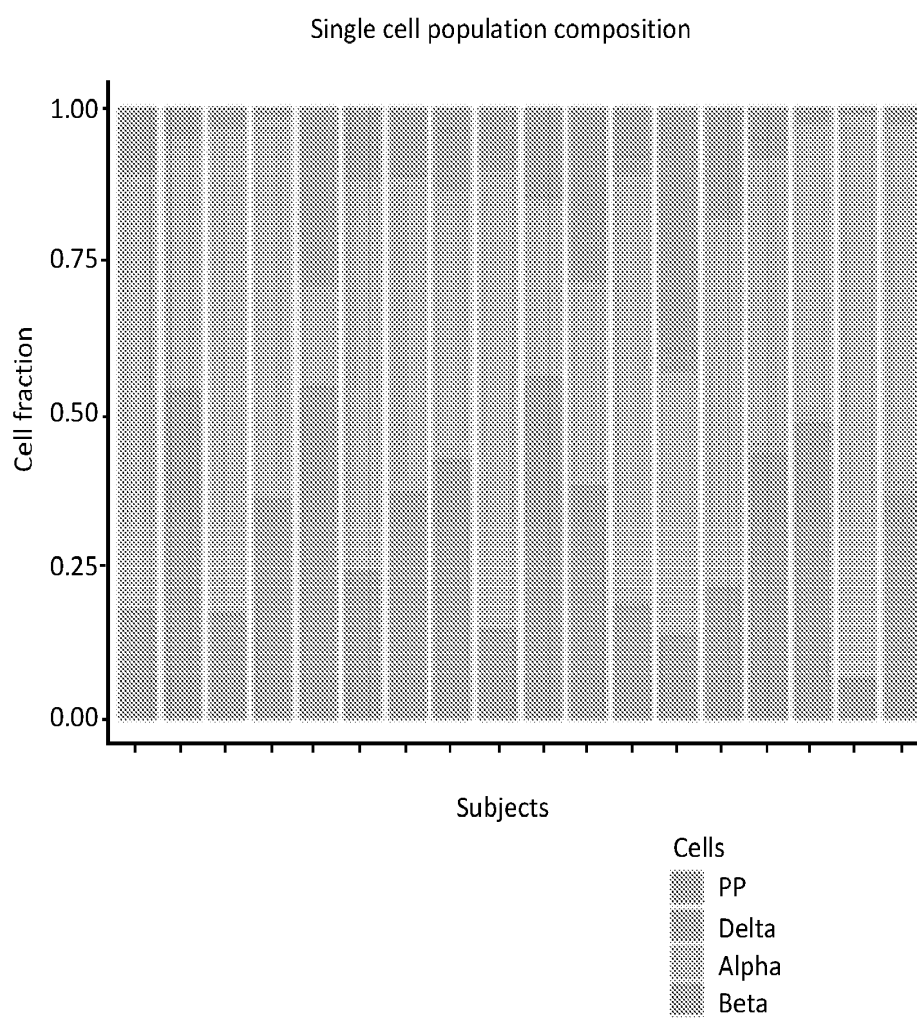


Figure 15A

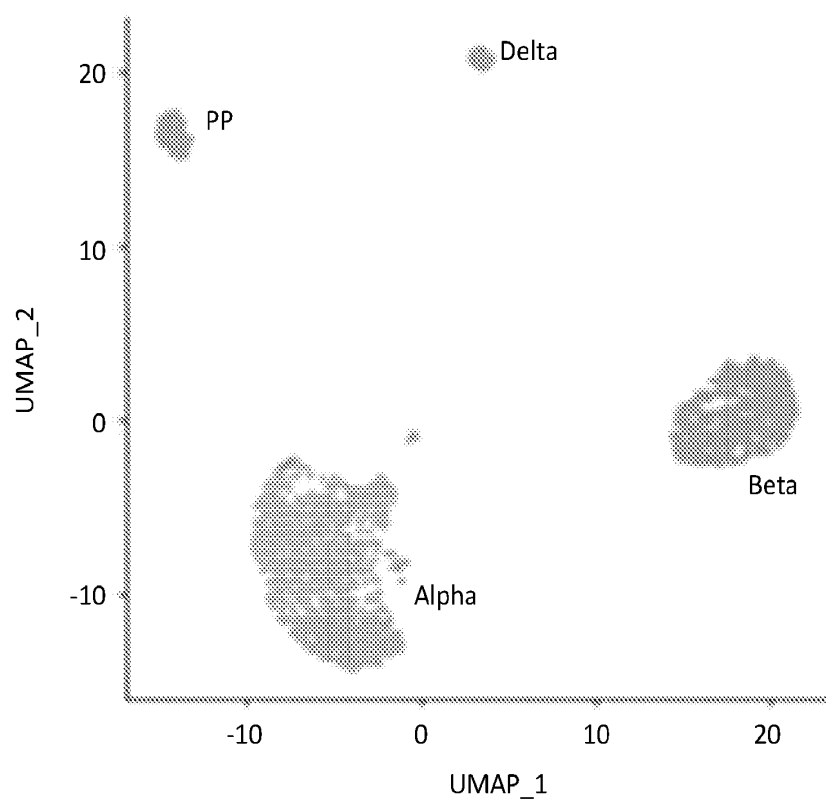


Figure 15B

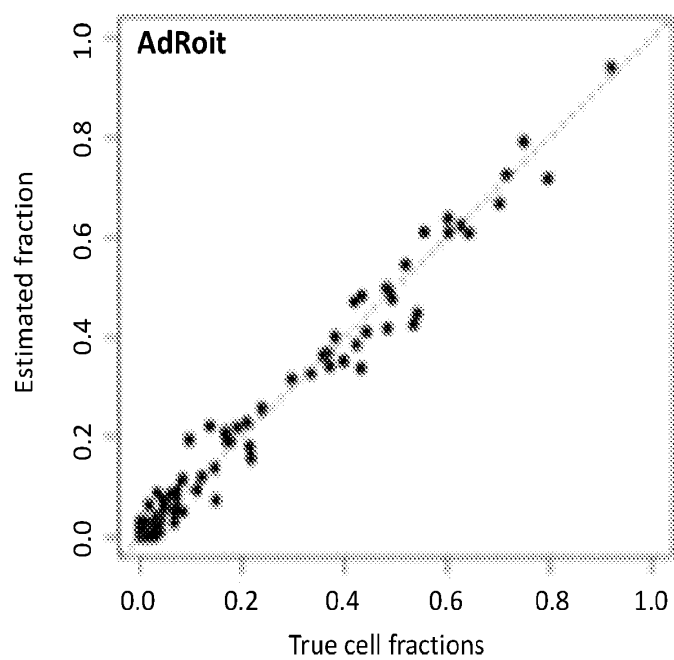


Figure 16A

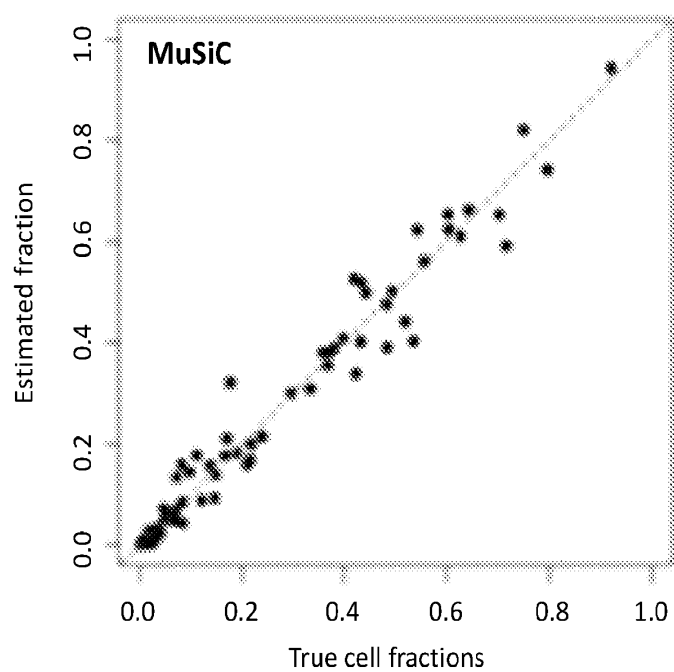


Figure 16B

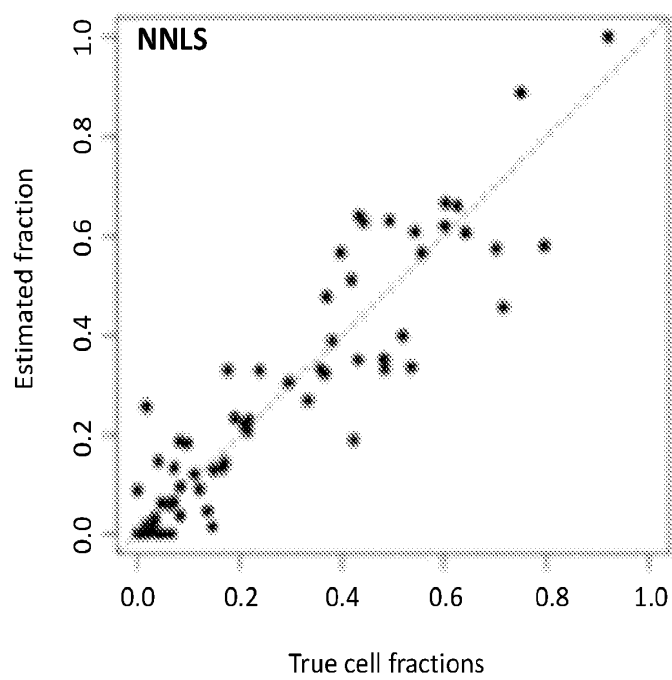


Figure 16C

|          | AdRoit | MuSiC | NNLS  |
|----------|--------|-------|-------|
| mAD      | 0.029  | 0.031 | 0.066 |
| RMSD     | 0.039  | 0.046 | 0.95  |
| Pearson  | 0.99   | 0.98  | 0.93  |
| Spearman | 0.97   | 0.98  | 0.91  |

Figure 17

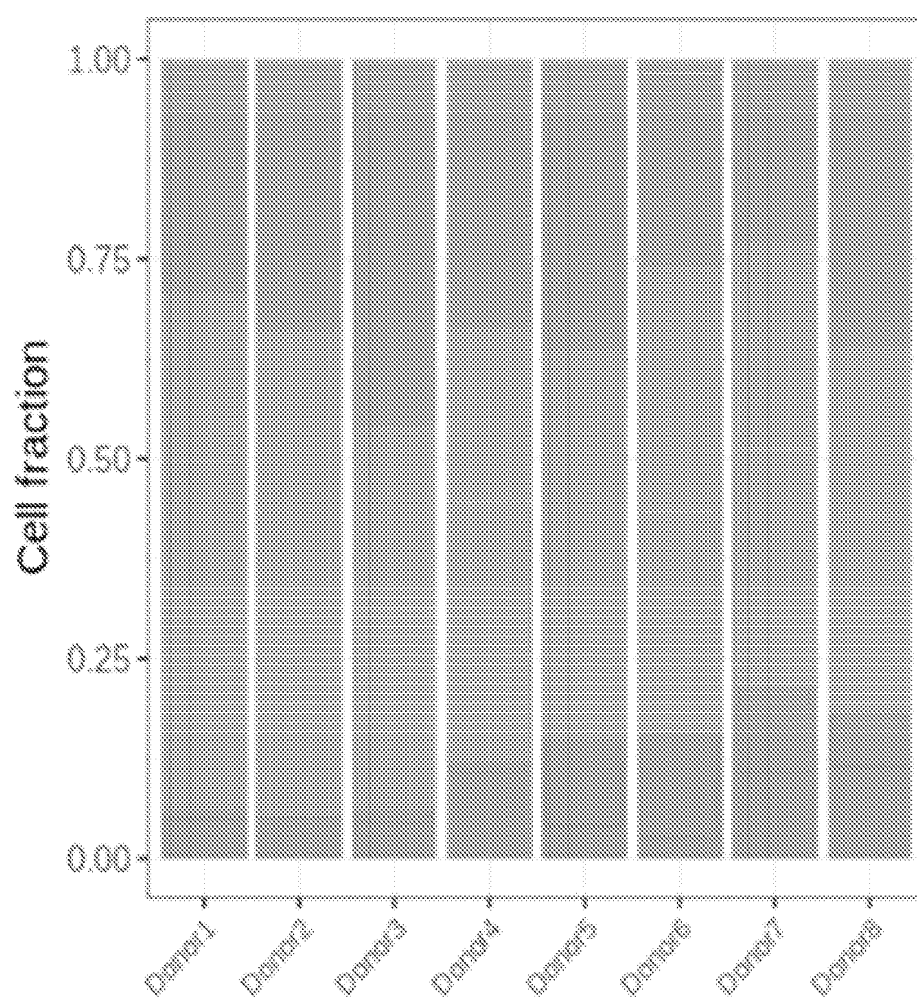


Figure 18A

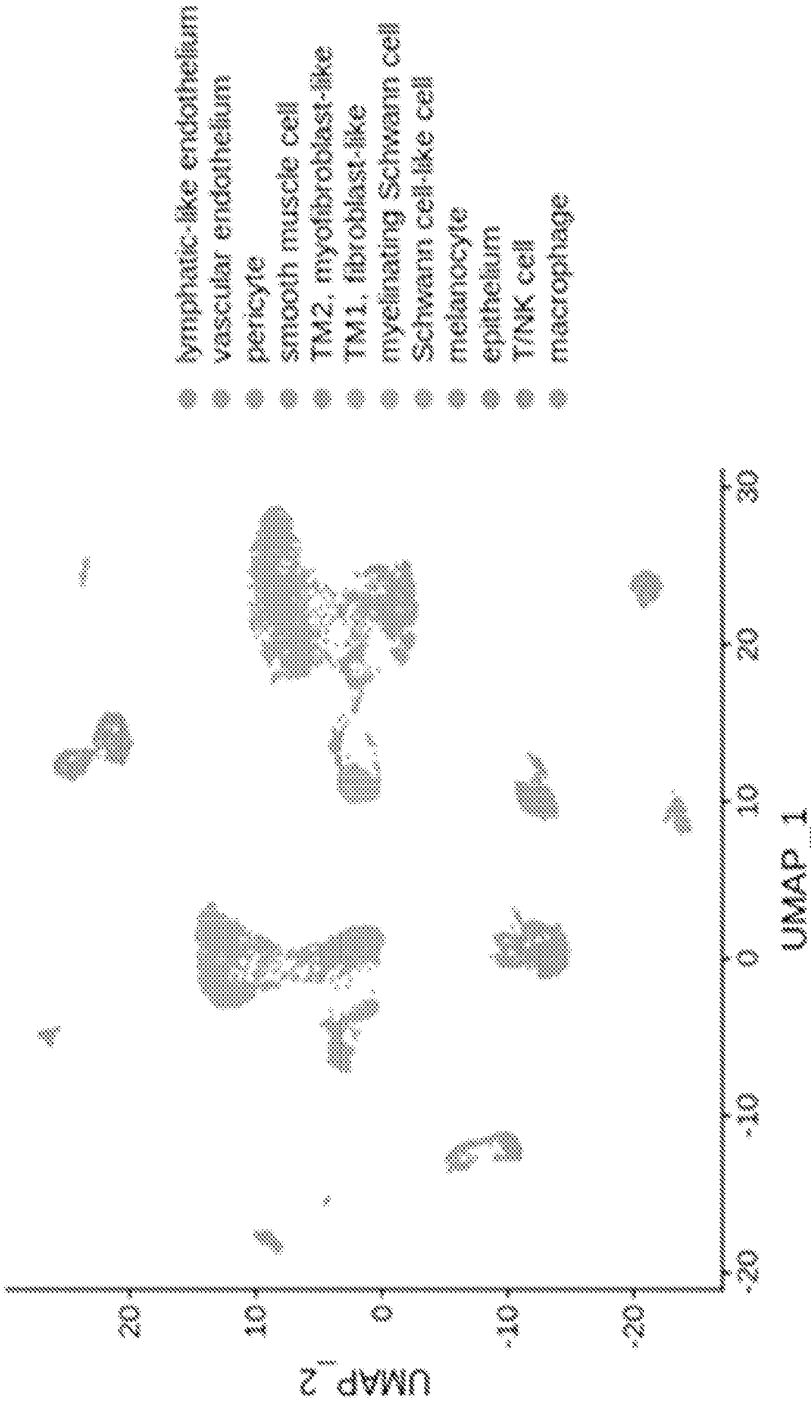


Figure 18B

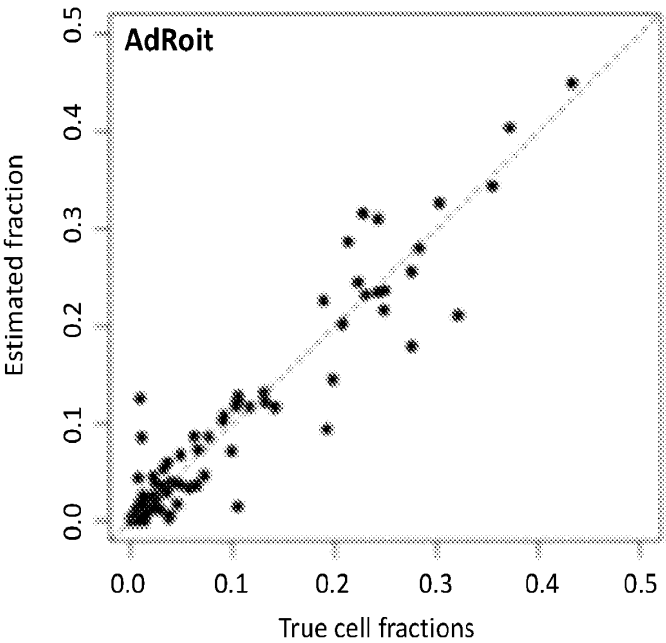


Figure 19A

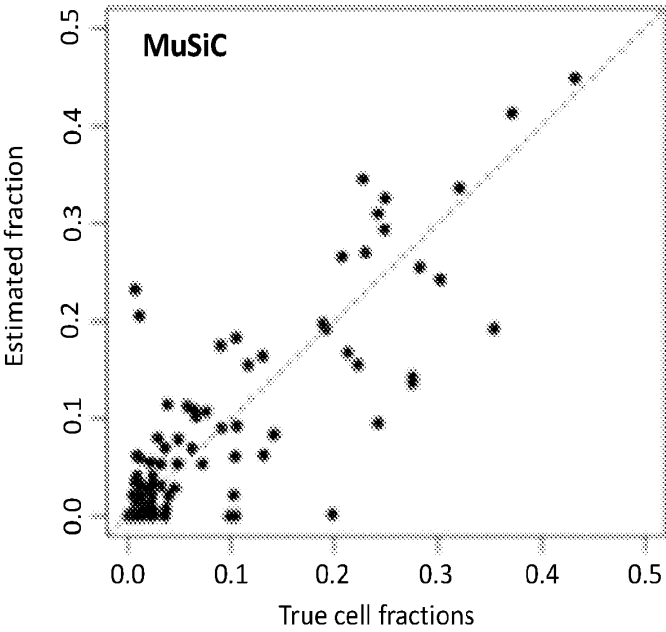


Figure 19B

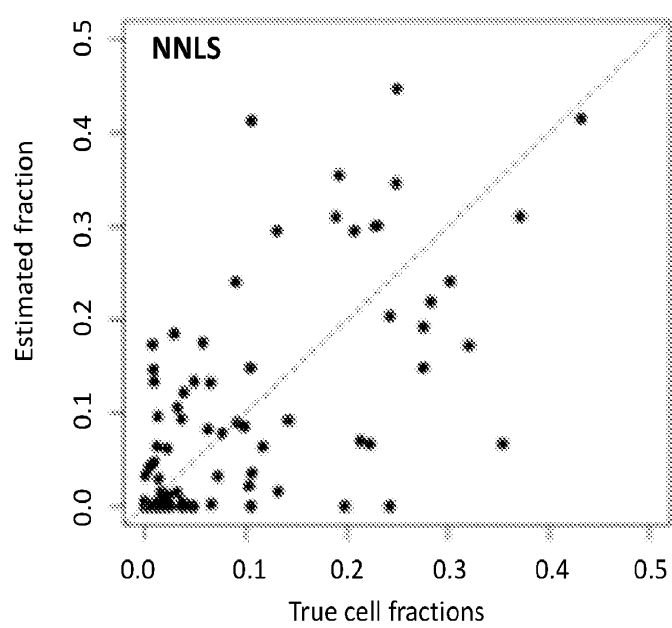


Figure 19C

|          | AdRoit | MuSiC | NNLS  |
|----------|--------|-------|-------|
| mAD      | 0.019  | 0.038 | 0.060 |
| RMSD     | 0.032  | 0.060 | 0.088 |
| Pearson  | 0.95   | 0.83  | 0.69  |
| Spearman | 0.89   | 0.73  | 0.63  |

Figure 20

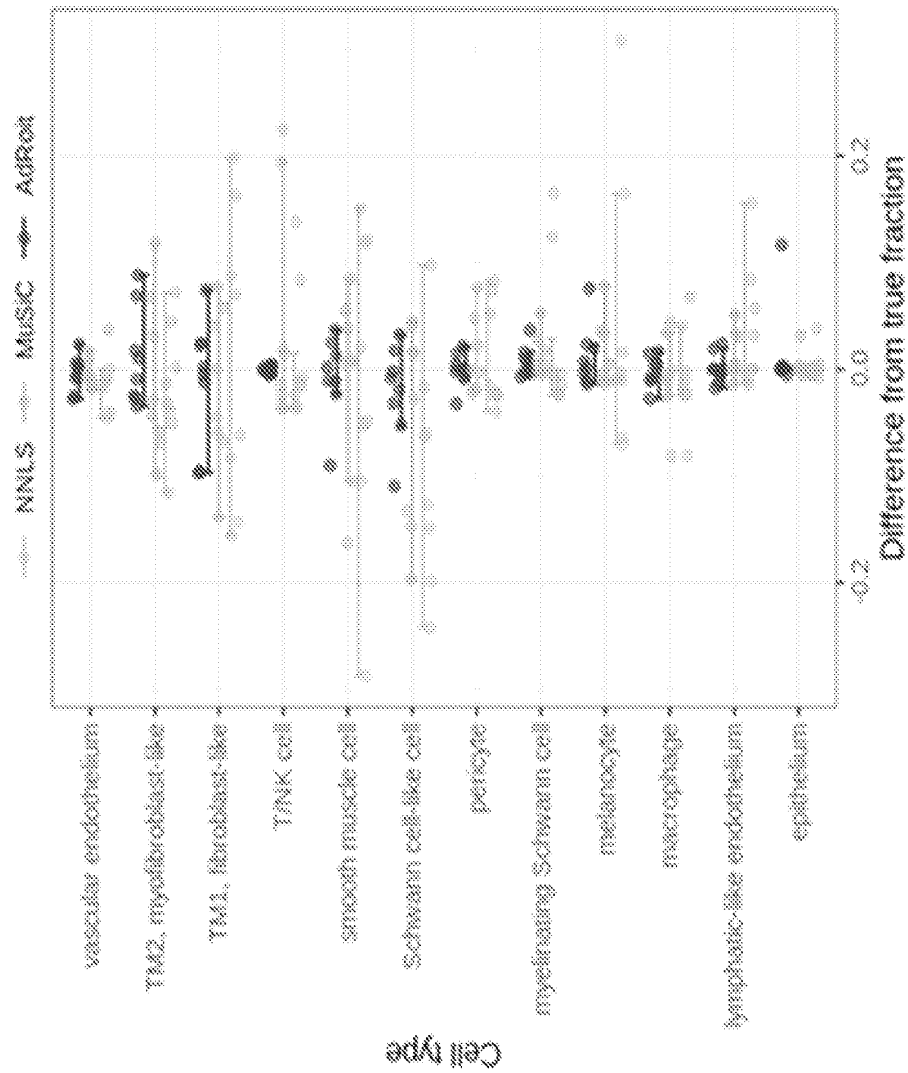


Figure 21

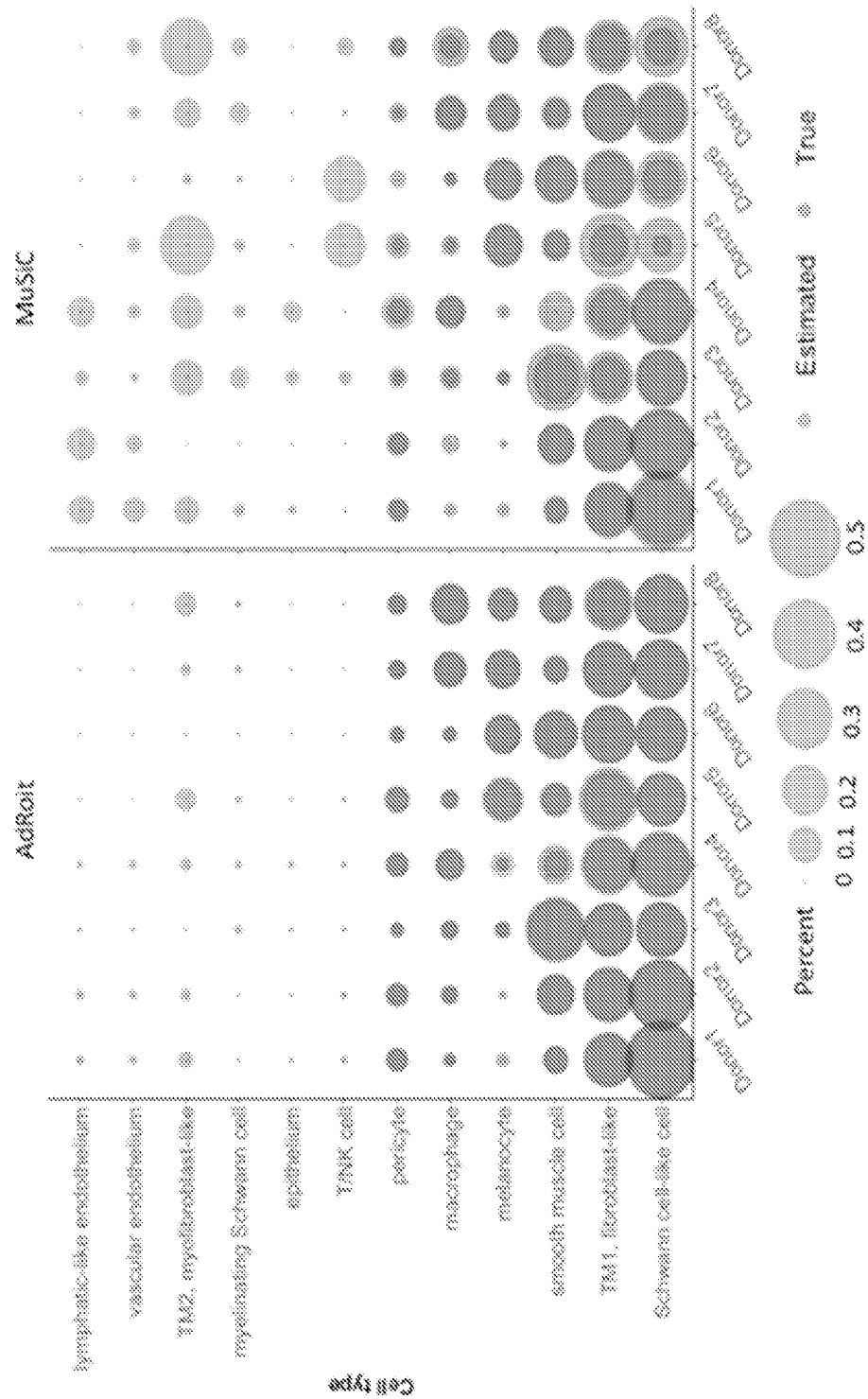


Figure 22

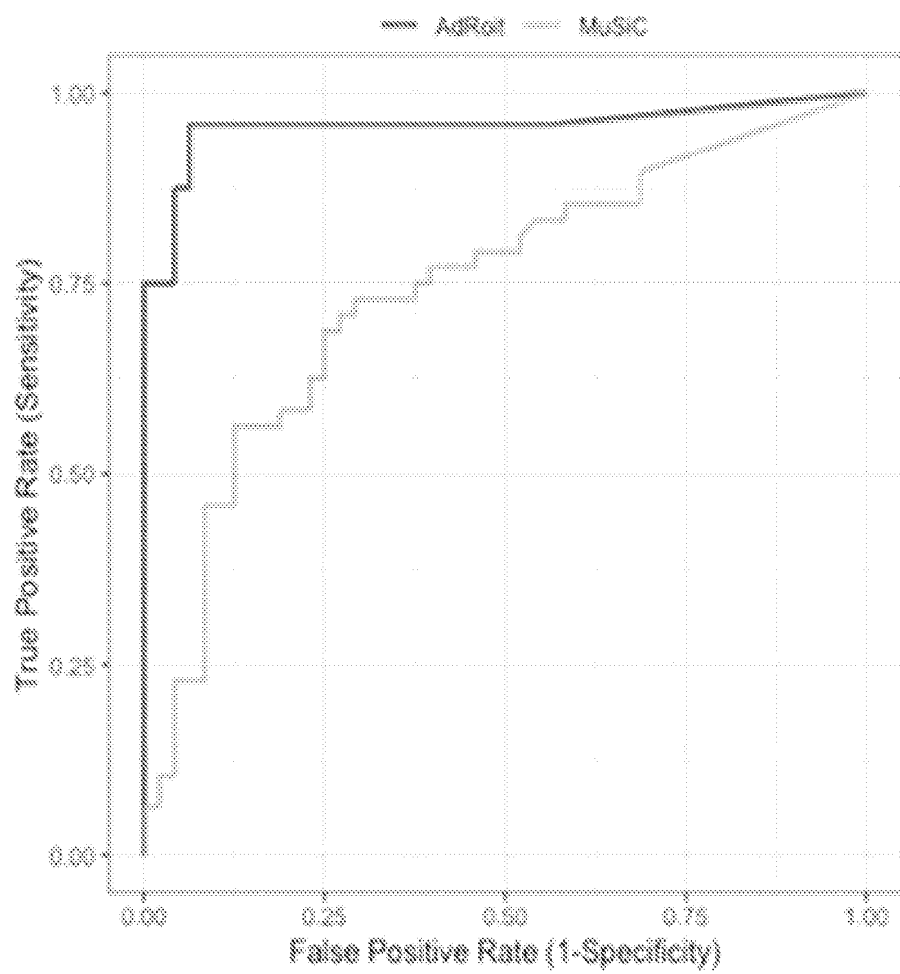


Figure 23

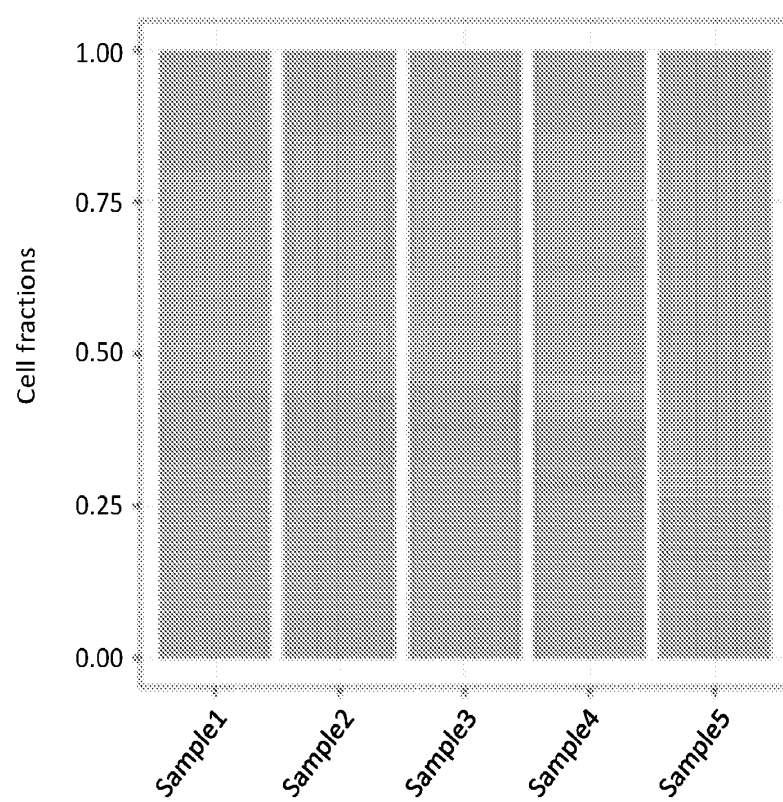


Figure 24A

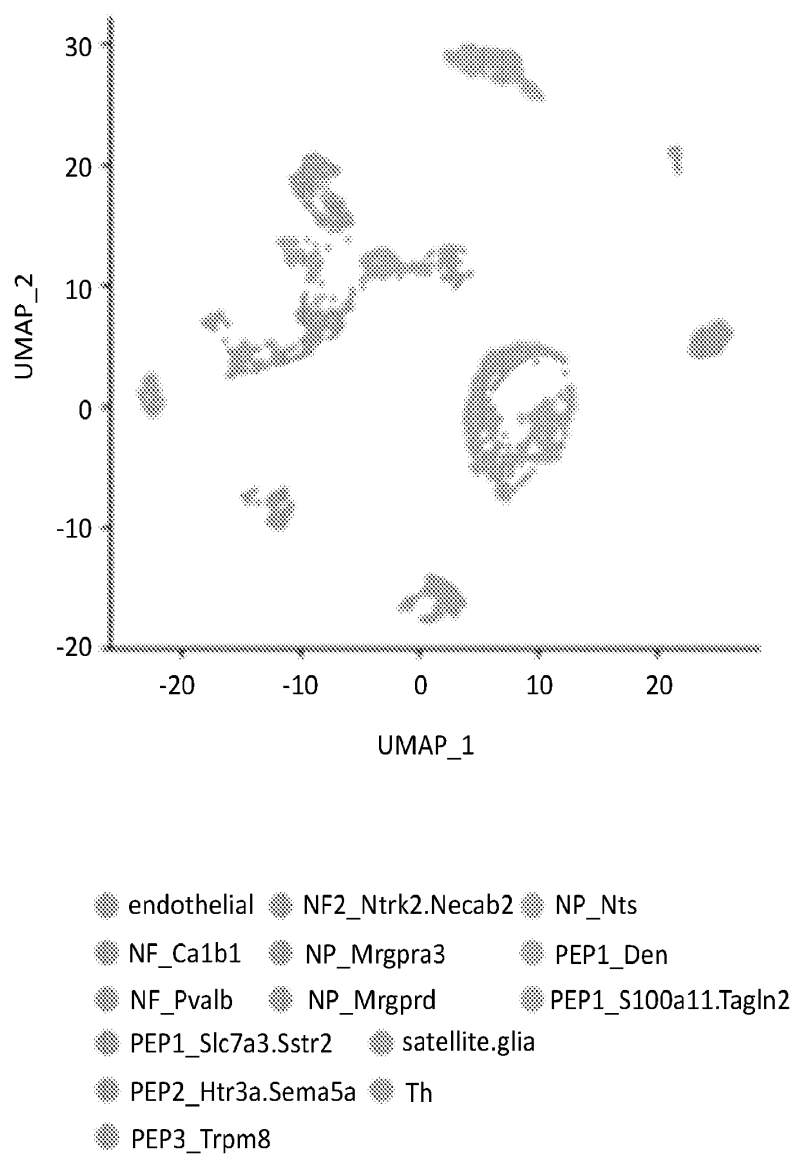


Figure 24B

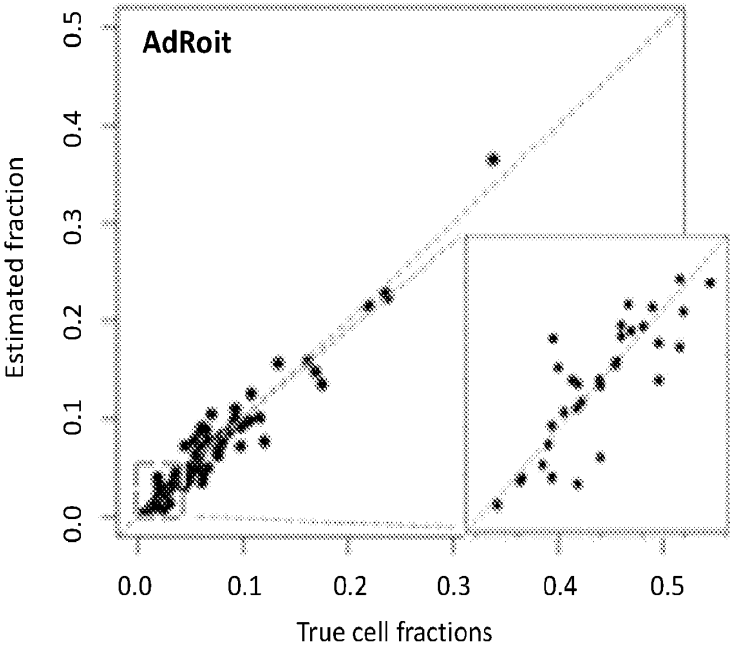


Figure 25A

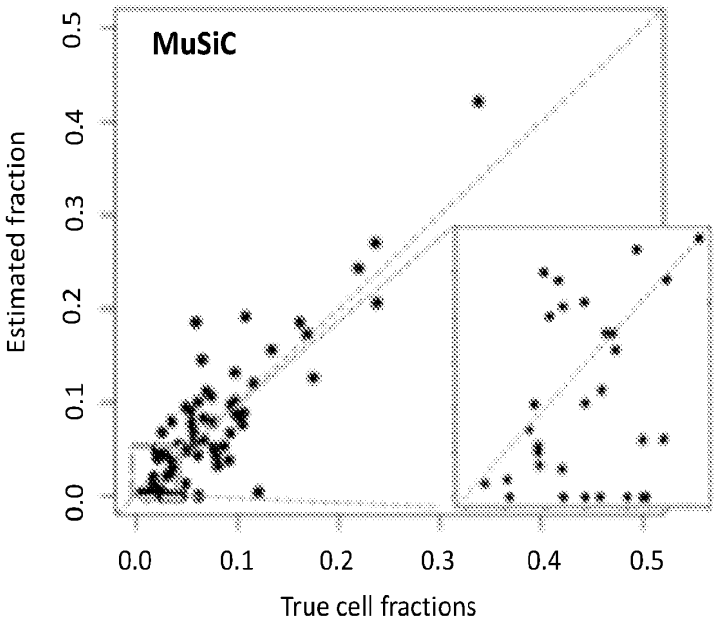


Figure 25B

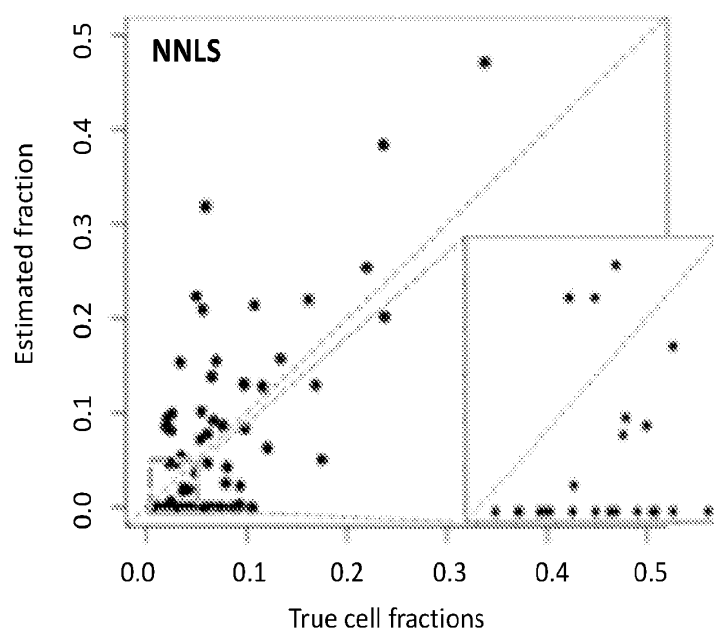


Figure 25C

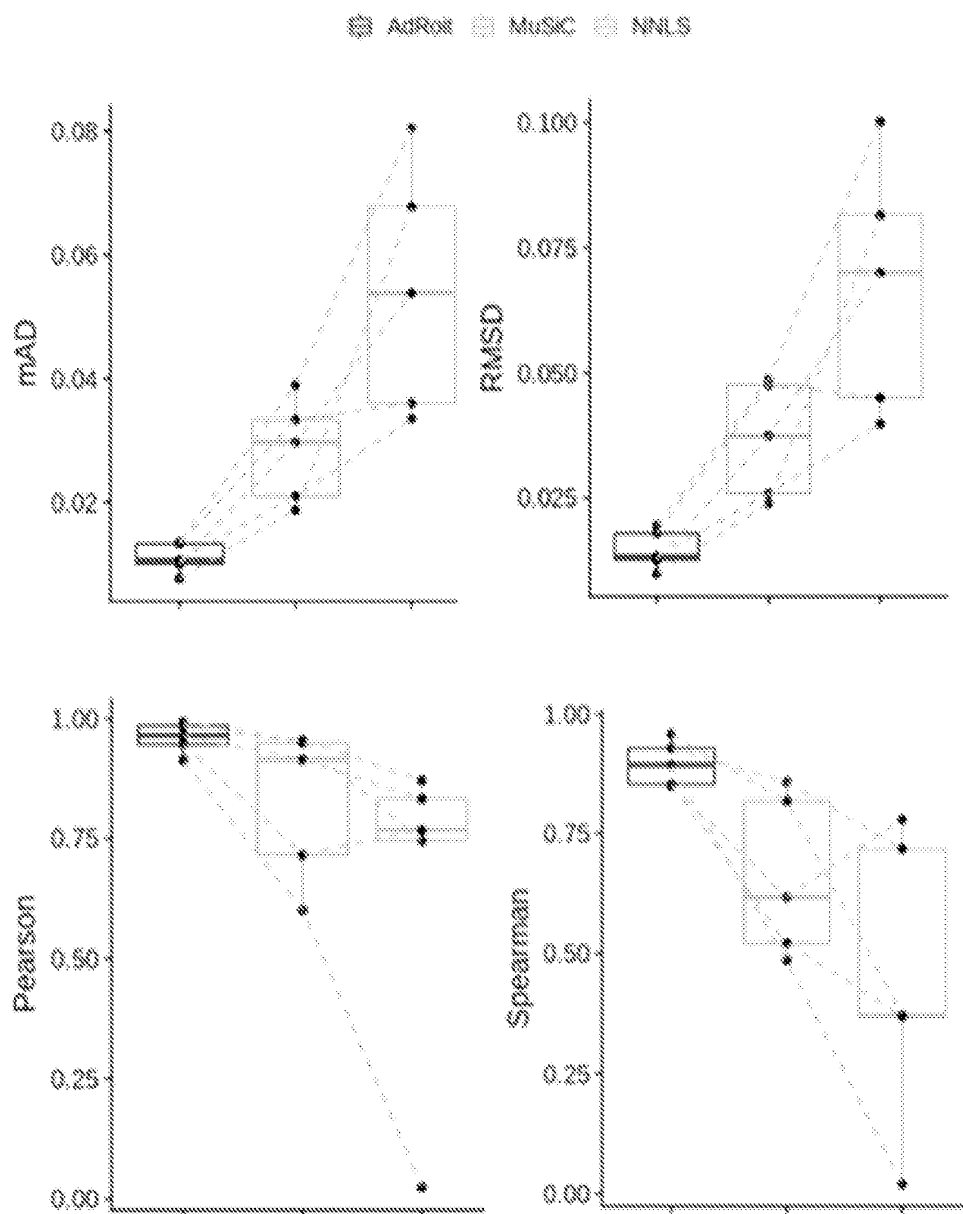


Figure 26

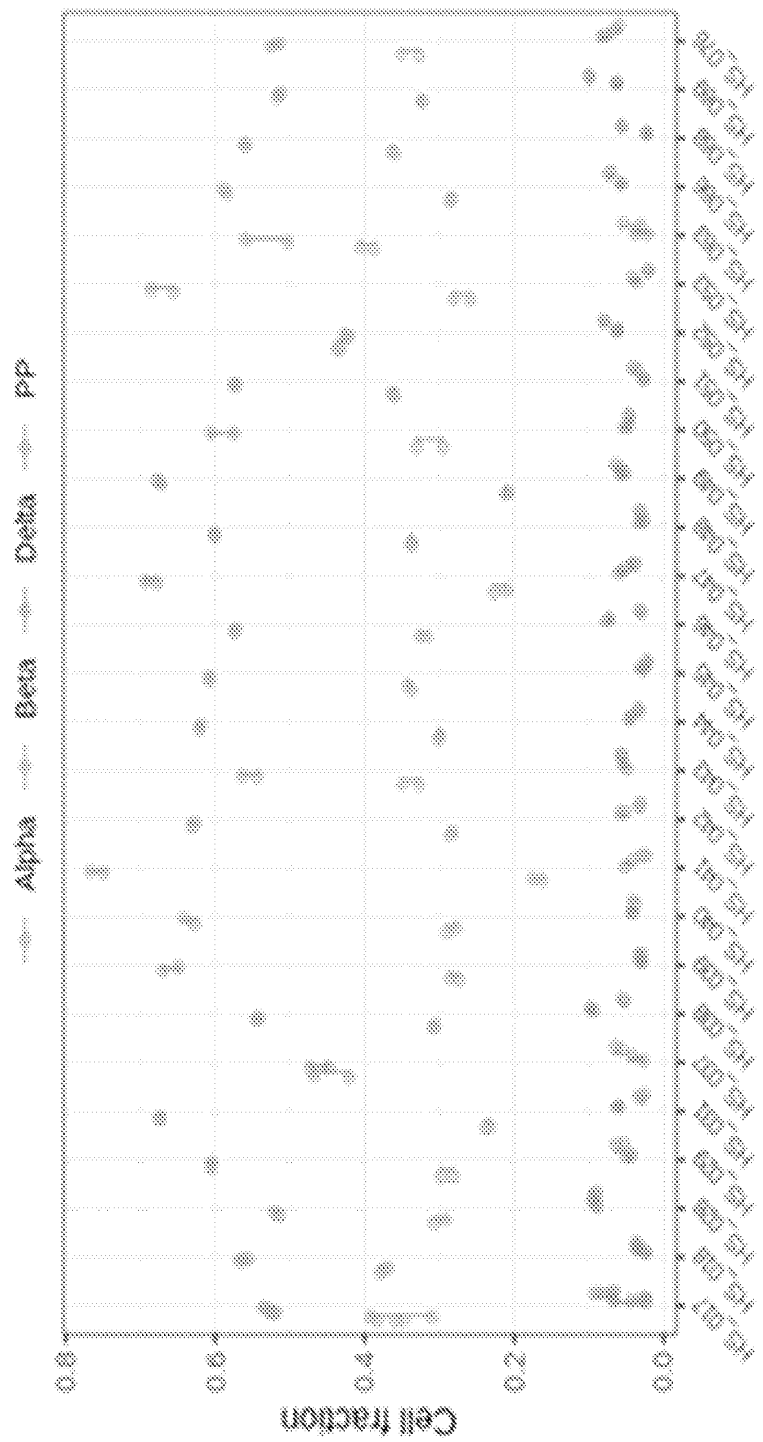


Figure 27

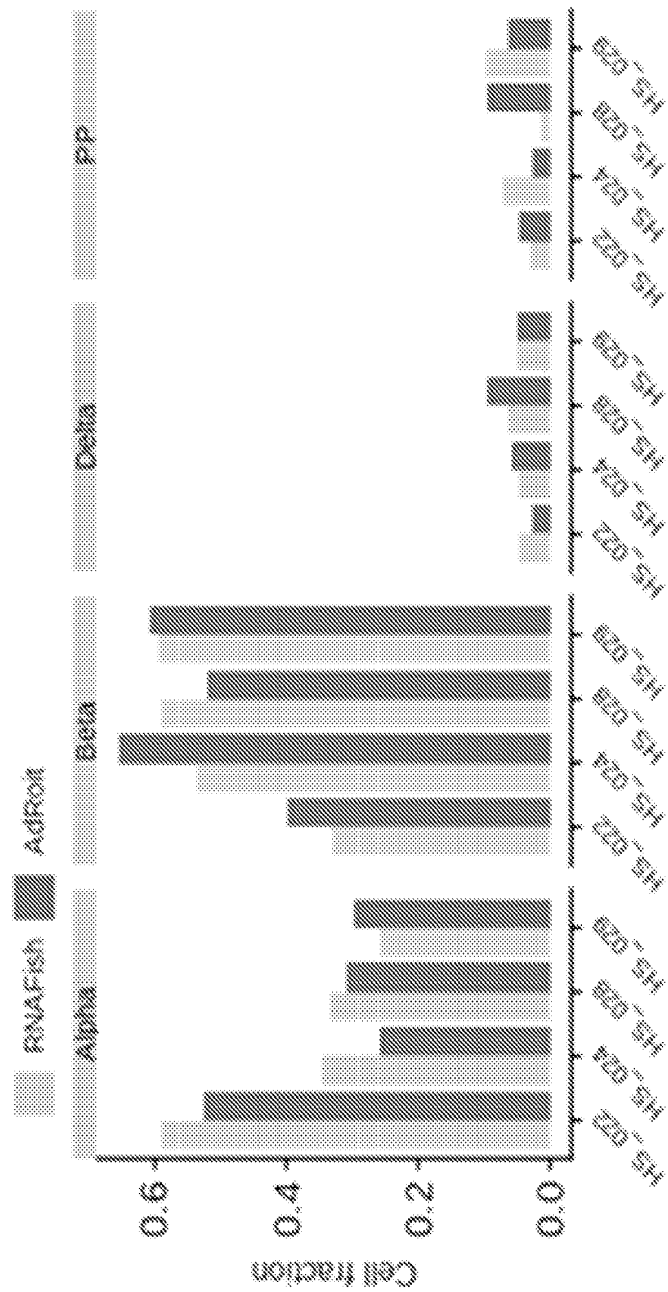


Figure 28

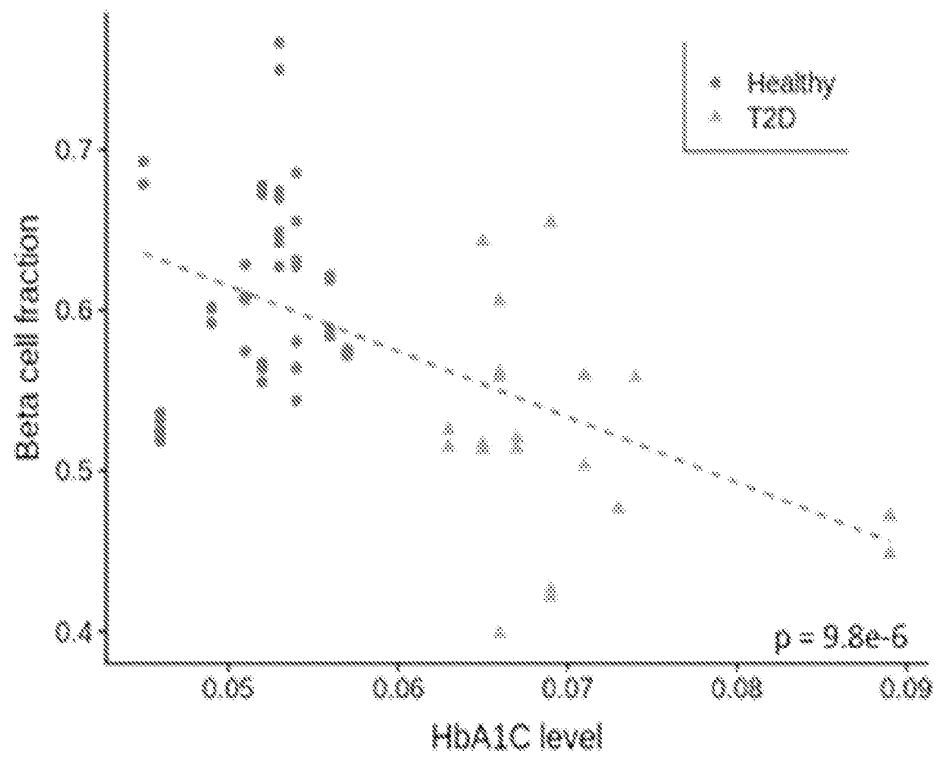


Figure 29

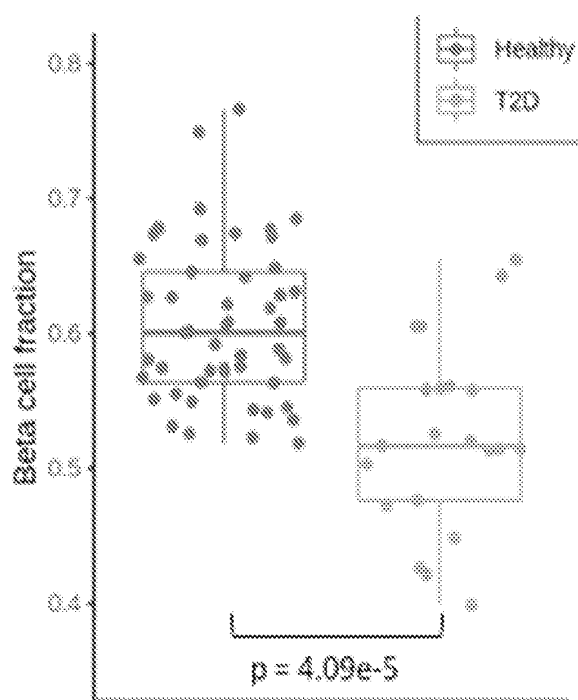


Figure 30

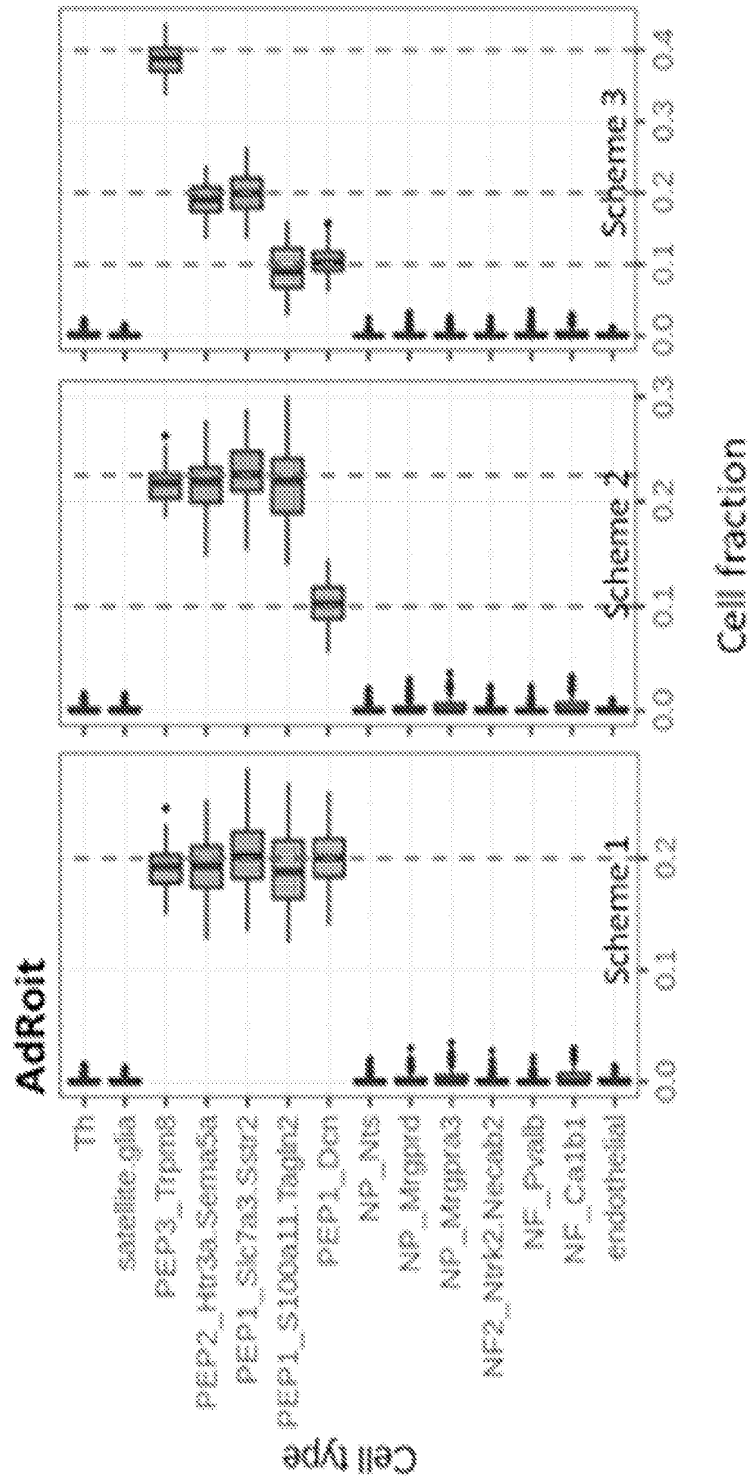


Figure 31

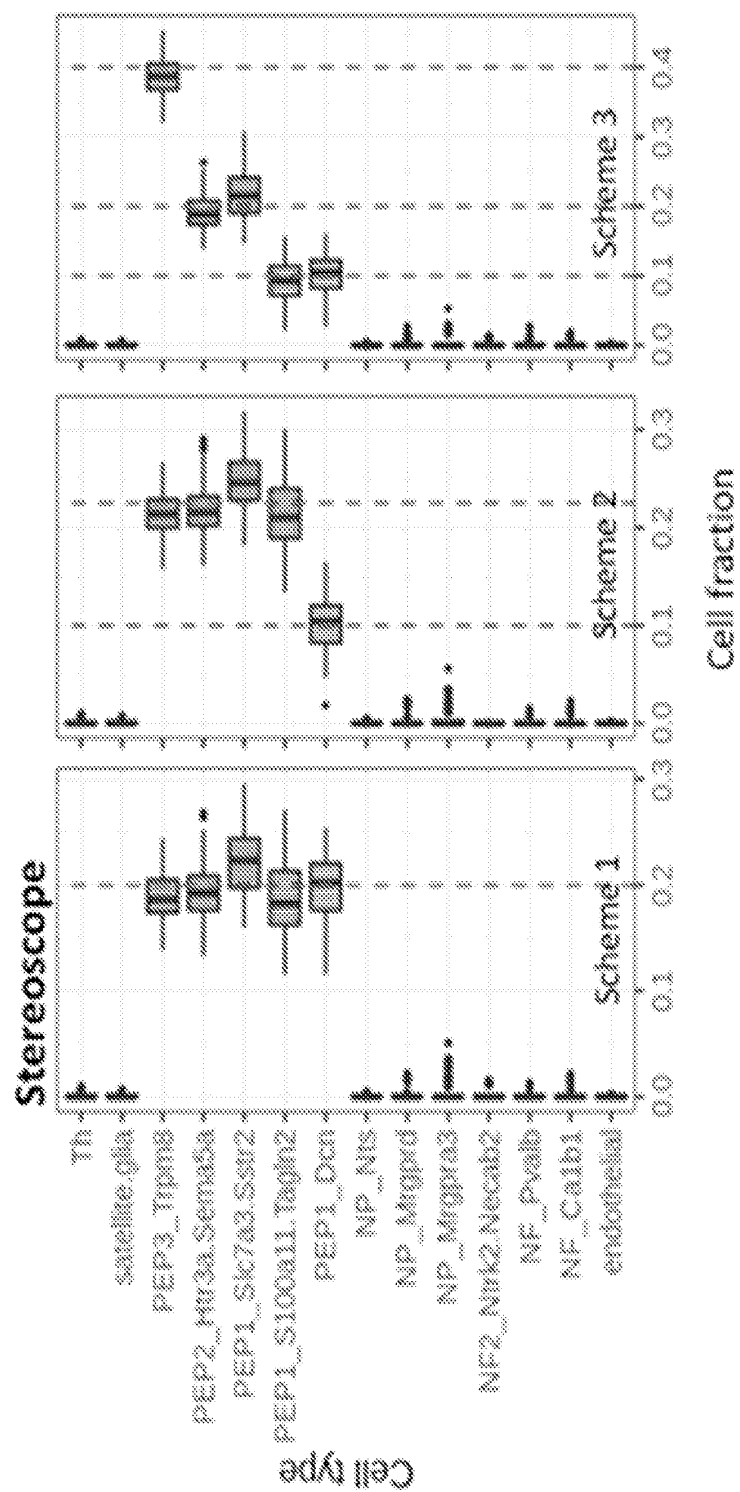


Figure 31 (cont.)

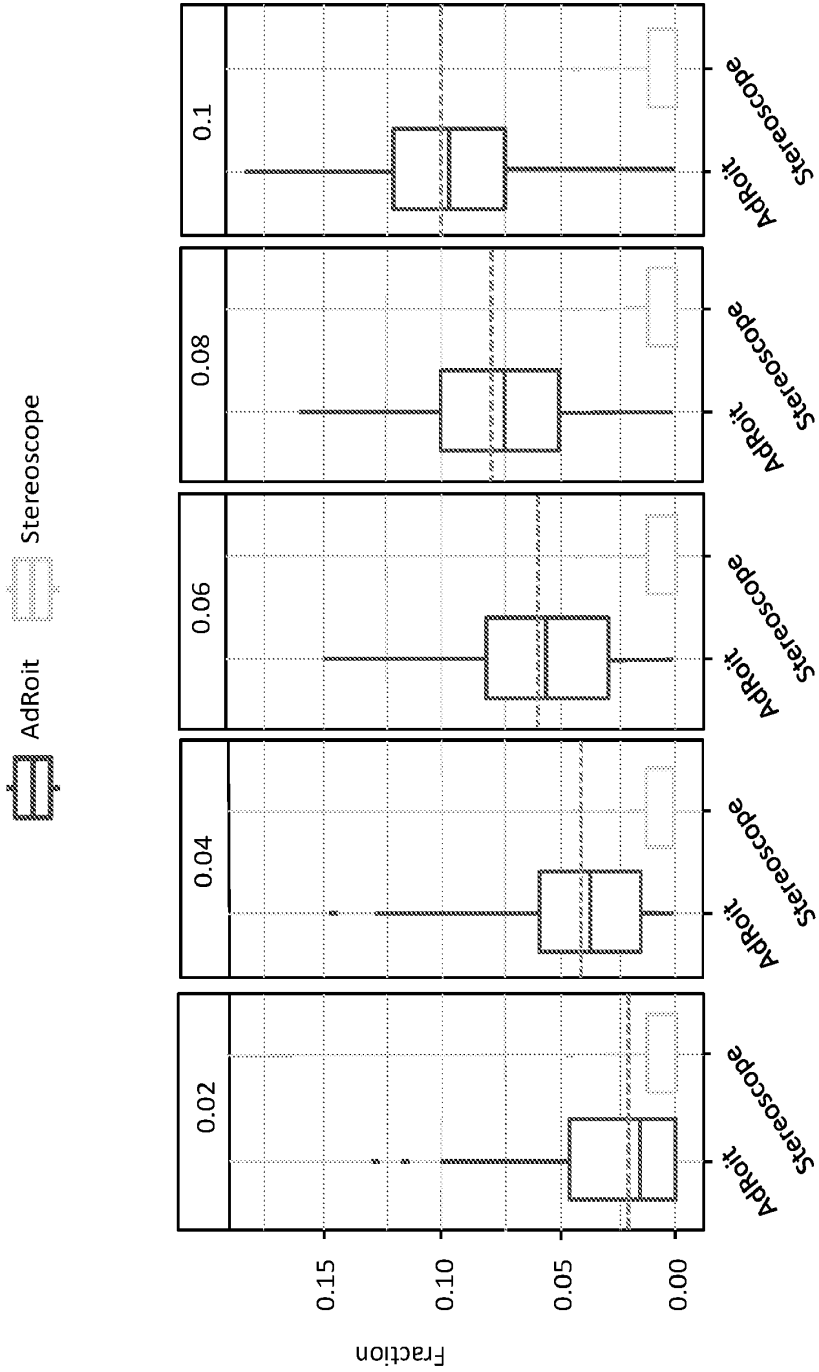


Figure 32

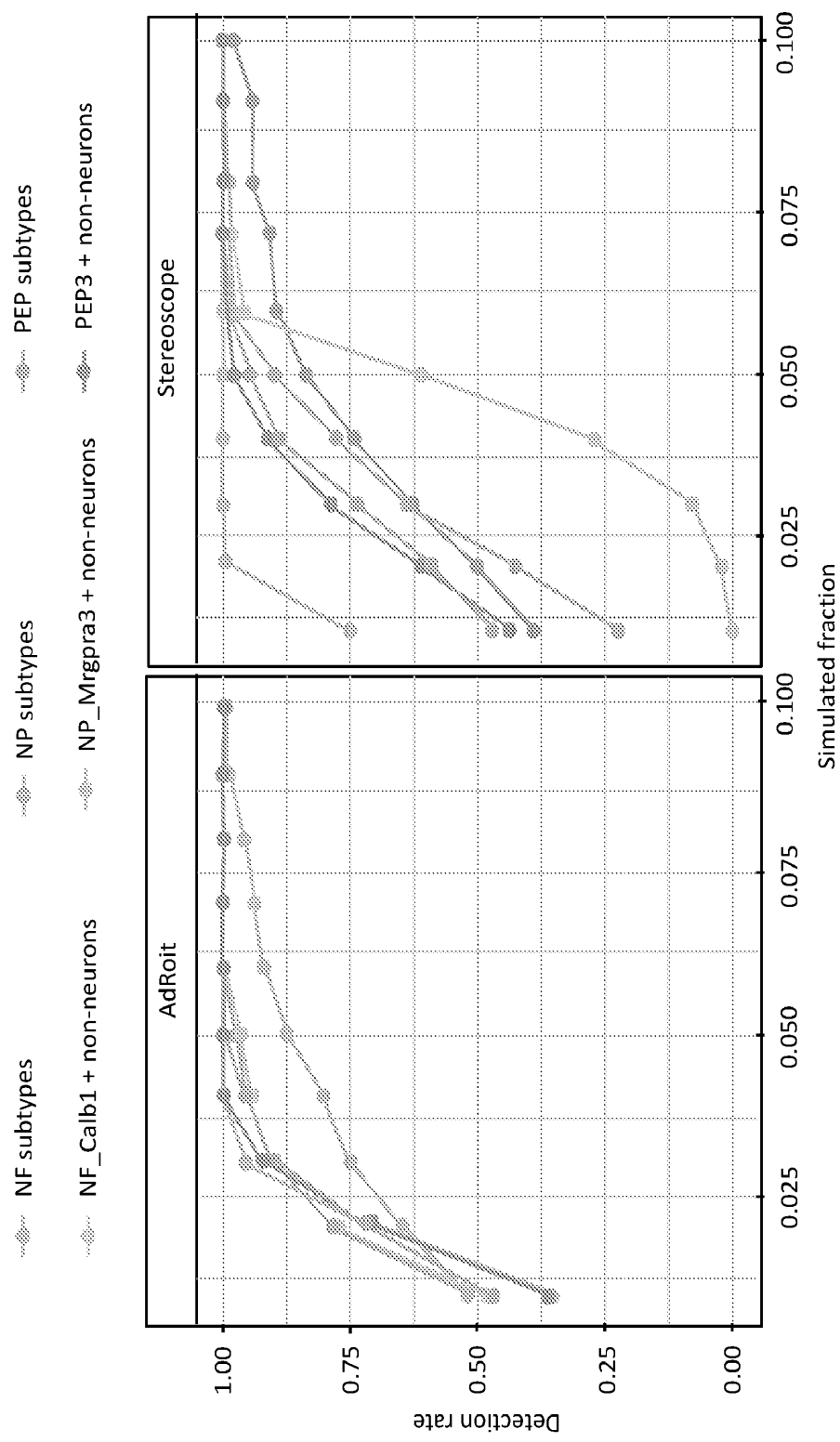


Figure 33



Figure 34

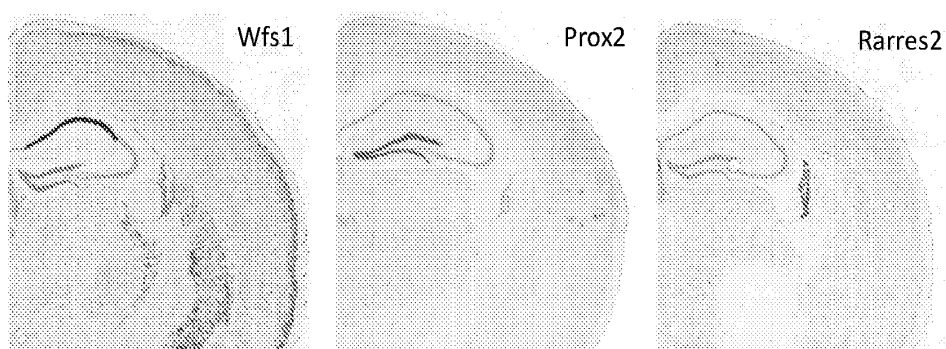


Figure 35