| GE1  | GE2  | GE3  | Average | P-value | Threshold | Gene number |
|------|------|------|---------|---------|-----------|-------------|
| 1    | 1220 | 3050 | 2650    | 1220    | +         | 1           |
| 2    | 19750| 20850| 1100    | 19750   | +         | 2           |
| 3    | 26150| 28000| 1430    | 26150   | +         | 3           |
| 4    | 50350| 52750| 2400    | 50350   | +         | 4           |
| 5    | 53500| 56500| 1550    | 53500   | -         | 5           |
| 6    | 74400| 76200| 1800    | 74400   | -         | 6           |
| 7    | 78000| 80000| 2600    | 78000   | -         | 7           |
| 8    | 116750| 118350| 1600    | 116750  | -         | 8           |
| 9    | 129771| 131521| 1750    | 129771  | -         | 9           |
| 10   | 152621| 154122| 1501    | 152621  | -         | 10          |
| 11   | 155272| 157022| 1750    | 155272  | -         | 11          |
| 12   | 167622| 169872| 2250    | 167622  | -         | 12          |
| 13   | 179322| 180622| 1300    | 179322  | -         | 13          |
| 14   | 200872| 204024| 1152    | 200872  | -         | 14          |
| 15   | 210624| 212074| 1450    | 210624  | -         | 15          |
| 16   | 214424| 215974| 1550    | 214424  | -         | 16          |
| 17   | 219824| 221574| 1750    | 219824  | -         | 17          |
| 18   | 231824| 233624| 1800    | 231824  | -         | 18          |
| 19   | 261028| 262278| 1250    | 261028  | -         | 19          |
| 20   | 283282| 284533| 1251    | 283282  | -         | 20          |
| 21   | 302284| 303684| 1400    | 302284  | -         | 21          |
| 22   | 314386| 315936| 1550    | 314386  | -         | 22          |
| 23   | 343836| 344284| 2190    | 343836  | -         | 23          |
| 24   | 360928| 361428| 2650    | 360928  | -         | 24          |
| 25   | 383878| 384077| 2190    | 383878  | -         | 25          |
| 26   | 393127| 394127| 2500    | 393127  | -         | 26          |
| 27   | 400668| 403568| 2600    | 400668  | -         | 27          |
| 28   | 419428| 419928| 2850    | 419428  | -         | 28          |
| 29   | 437934| 438934| 2350    | 437934  | -         | 29          |
| 30   | 454444| 454944| 1550    | 454444  | -         | 30          |
| 31   | 460294| 460794| 2950    | 460294  | -         | 31          |
| 32   | 470494| 470744| 1500    | 470494  | -         | 32          |
| 33   | 482878| 483078| 2190    | 482878  | -         | 33          |
| 34   | 492429| 494329| 1950    | 492429  | -         | 34          |
| 35   | 500279| 500779| 1200    | 500279  | -         | 35          |
| 36   | 504479| 504979| 1200    | 504479  | -         | 36          |
| 37   | 514128| 514628| 1500    | 514128  | -         | 37          |
| 38   | 520739| 521739| 1700    | 520739  | -         | 38          |
| 39   | 540979| 541479| 2050    | 540979  | -         | 39          |
| 40   | 550399| 550699| 2650    | 550399  | -         | 40          |
| 41   | 560129| 560629| 2850    | 560129  | -         | 41          |
| 42   | 570539| 570939| 3100    | 570539  | -         | 42          |
| 43   | 580939| 581139| 3150    | 580939  | -         | 43          |
| 44   | 590399| 590899| 3550    | 590399  | -         | 44          |
| 45   | 601539| 601839| 4050    | 601539  | -         | 45          |
| 46   | 611739| 612139| 4550    | 611739  | -         | 46          |
| 47   | 621939| 622339| 5050    | 621939  | -         | 47          |
| 48   | 632139| 632539| 5550    | 632139  | -         | 48          |
| 49   | 642339| 642739| 6050    | 642339  | -         | 49          |
| 50   | 652539| 652939| 6550    | 652539  | -         | 50          |
| 51   | 662739| 663139| 7050    | 662739  | -         | 51          |
| 52   | 672939| 673339| 7550    | 672939  | -         | 52          |