| Pathway   | Gene ranks   | NES   | pval    | padj    |
|-----------|--|-------|---------|---------|
| HDAC7     |  | 1.66  | 1.1e-06 | 2.3e-05 |
| ITGA3     |  | 1.81  | 1.1e-06 | 2.3e-05 |
| FLNA      |  | 1.74  | 1.1e-06 | 2.3e-05 |
| CTBP2     |  | 1.99  | 1.2e-06 | 2.3e-05 |
| ANXA4     |  | 2.15  | 1.2e-06 | 2.3e-05 |
| FZD1      |  | 1.92  | 1.2e-06 | 2.3e-05 |
| HNF1B     |  | 2.13  | 1.2e-06 | 2.3e-05 |
| TESC      |  | 1.78  | 1.2e-06 | 2.3e-05 |
| LGALS9    | 100 mm m  | 1.99  | 1.2e-06 | 2.3e-05 |
| JAG1      | The second secon | 2.46  | 1.2e-06 | 2.3e-05 |
| F2R       |  | 2.89  | 1.2e-06 | 2.3e-05 |
| TGFA      |  | 2.34  | 1.2e-06 | 2.3e-05 |
| TMEM173   |  | 2.65  | 1.2e-06 | 2.3e-05 |
| BASP1     | **************************************   | 2.36  | 1.2e-06 | 2.3e-05 |
| LBH       |  | 1.92  | 1.2e-06 | 2.3e-05 |
| FGFR1     |  | 2.70  | 1.2e-06 | 2.3e-05 |
| COL1A1    | MINIMATOR CO. C.   | 2.82  | 1.2e-06 | 2.3e-05 |
| TSHZ3     | The second secon | 2.82  | 1.2e-06 | 2.3e-05 |
| ETS1      |  | 2.13  | 1.2e-06 | 2.3e-05 |
| FBN1      | The second secon | 2.91  | 1.2e-06 | 2.3e-05 |
| TRIM52    |  | -2.24 | 3.2e-06 | 4.0e-05 |
| ADIRF     |  | -2.04 | 3.2e-06 | 4.0e-05 |
| MSGN1     | · (IMMILE)   | -2.10 | 3.2e-06 | 4.0e-05 |
| ZNF728    | The state of the second control of the secon | -1.98 | 3.2e-06 | 4.0e-05 |
| ZBTB3     | 1 11 · · · · · · · · · · · · · · · · ·   | -1.97 | 3.2e-06 | 4.0e-05 |
| SSX3      | To the following of the second | -2.01 | 3.2e-06 | 4.0e-05 |
| ZNF257    | tur e e e e e e e e e e e e e e e e e e e  | -2.06 | 3.1e-06 | 3.9e-05 |
| RHOXF2    | to the control of the | -1.97 | 3.0e-06 | 3.8e-05 |
| POU4F2    |  | -2.21 | 3.0e-06 | 3.8e-05 |
| HIST1H3H  |  | -1.95 | 3.0e-06 | 3.8e-05 |
| GABPB1    | The state of the s | -2.05 | 2.9e-06 | 3.8e-05 |
| HIST1H4I  | The state of the second | -2.15 | 2.9e-06 | 3.8e-05 |
| HIST1H2AE | The transfer of the second of  | -2.48 | 2.9e-06 | 3.7e-05 |
| HIST1H1C  | The first of the second of the | -2.15 | 2.8e-06 | 3.7e-05 |
| HIST1H3D  | The second secon | -2.19 | 2.8e-06 | 3.6e-05 |
| HIST1H2AD | 1  | -2.23 | 2.7e-06 | 3.6e-05 |
| ZNF540    |  | -2.34 | 2.7e-06 | 3.6e-05 |
| GDF9      | The second secon | -2.42 | 2.7e-06 | 3.6e-05 |
| BOLA2B    | The second secon | -2.24 | 2.7e-06 | 3.6e-05 |
| ZNF345    | The state of the s | -2.18 | 2.7e-06 | 3.6e-05 |
|           | 0 5000 10000 15000 20000   |       |         |         |