

| Cell type              | Gene sets   | EGF1&4hUP   | EGF1&4hDN   |
|------------------------|-------------|-------------|-------------|
| Epidermal keratinocyte | EGF 1&4h UP | Same        | 2.69E-01    |
|                        | EGF 1&4h DN | 2.69E-01    | Same        |
| HeLa<br>GSE6783        | 1h UP       | 3.27E-48    | 2.31E-01    |
|                        | 1h DN       | 2.78E-01    | 1.60E-03    |
|                        | 4h UP       | 1.28E-55    | 5.17E-01    |
|                        | 4h DN       | 1.92E-01    | 1.39E-07    |
| MCF10A<br>GSE6784      | 1h UP       | 2.81E-36    | 2.71E-01    |
|                        | 1h DN       | 1.93E-06    | 6.72E-05    |
|                        | 4h UP       | 2.37E-43    | 4.30E-01    |
|                        | 4h DN       | 5.40E-04    | 5.54E-11    |
| HUVEC<br>GSE10778      | 1h UP       | 4.39E-24    | 3.45E-02    |
|                        | 1h DN       | 2.39E-05    | 1.93E-02    |
|                        | 6h UP       | 3.74E-20    | 2.76E-03    |
|                        | 6h DN       | 1.38E-11    | 1.38E-01    |
| MCF7<br>GSE13009       | 1h UP       | 6.87E-21    | 2.69E-03    |
|                        | 1h DN       | 3.85E-05    | 1.98E-04    |
|                        | 4h UP       | 5.06E-07    | 9.56E-04    |
|                        | 4h DN       | 5.05E-11    | 4.02E-04    |
|                        | Late        | EGF24&48hUP | EGF24&48hDN |
|                        |             | 24h UP      | 2.27E-09    |
|                        |             | 24h DN      | 1.27E-09    |
|                        |             | 48h UP      | 1.76E-13    |
|                        |             | 48h DN      | 9.86E-06    |