

**Supplementary table 3.  $^{125}$ IUdR - responsive set of genes in normal human keratinocytes (NHFK)**

**16 Up-regulated Significant Genes (ANOVA, p-value less than 0.005)**

| <u>NN</u> | <u>Description</u>                                                                                                       | <u>GB accession</u> | <u>Gene symbol</u> | <u>Parametric p-value</u> | <u>Log-fold change</u><br><u><math>\frac{^{125}\text{IUdR}}{^{125}\text{IUdR}}</math></u> |
|-----------|--------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|---------------------------|-------------------------------------------------------------------------------------------|
| 1         | Homo sapiens seven transmembrane protein TM7SF3 (TM7SF3), mRNA                                                           | NM_016551           | TM7SF3             | 0.0034                    | 0.7627                                                                                    |
| 2         | Homo sapiens lectin, galactoside-binding, soluble, 7 (galectin 7) (LGALS7), mRNA                                         | NM_002307           | LGALS7             | 0.0049                    | 0.7566                                                                                    |
| 3         | Human parathyroid hormone-like peptide mRNA, 3 end                                                                       | M31157              | M31157             | 0.0019                    | 0.6552                                                                                    |
| 4         | Homo sapiens tripartite motif-containing 22, mRNA (cDNA clone MGC:44863 IMAGE:5583800), complete cds                     | BC035582            | BC035582           | 0.0008                    | 0.6267                                                                                    |
| 5         | Homo sapiens mRNA; cDNA DKFZp586O1224 (from clone DKFZp586O1224)                                                         | AL110170            | AL110170           | 0.0031                    | 0.6161                                                                                    |
| 6         | Homo sapiens parathyroid hormone-like hormone (PTHLH), mRNA                                                              | NM_002820           | PTHLH              | 0.0026                    | 0.5702                                                                                    |
| 7         | Homo sapiens emilin and multimerin-domain containing protein 1 (EMU1), mRNA                                              | NM_133455           | EMU1               | 0.0034                    | 0.5428                                                                                    |
| 8         | Homo sapiens SH3 domain binding glutamic acid-rich protein like, mRNA (cDNA clone MGC:23745 IMAGE:4105289), complete cds | BC016709            | BC016709           | 0.0025                    | 0.5332                                                                                    |
| 9         | Homo sapiens plasmalemma vesicle associated protein (PLVAP), mRNA                                                        | NM_031310           | PLVAP              | 0.0028                    | 0.5293                                                                                    |
| 10        | Homo sapiens mRNA for hypothetical protein (C10ORF5B gene)                                                               | AJ535621            | AJ535621           | 0.0019                    | 0.5144                                                                                    |
| 11        | Homo sapiens glycogen synthase kinase 3 beta (GSK3B), mRNA                                                               | NM_002093           | GSK3B              | 0.0033                    | 0.4972                                                                                    |
| 12        | Homo sapiens ovarian cancer related protein OVN9-3 (OVN9-3) mRNA, complete cds                                           | AF257098            | AF257098           | 0.0047                    | 0.4809                                                                                    |
| 13        | Homo sapiens LIV-1 protein, estrogen regulated (LIV-1), mRNA                                                             | NM_012319           | SLC39A6            | 0.0035                    | 0.4793                                                                                    |
| 14        | Homo sapiens cDNA FLJ39315 fis, A-OCBBF2013926                                                                           | AK096634            | AK096634           | 0.0041                    | 0.4664                                                                                    |
| 15        | Unknown                                                                                                                  | THC1440941          | THC1440941         | 0.0039                    | 0.4487                                                                                    |
| 16        | Homo sapiens lysophospholipase isoform mRNA, complete cds                                                                | AF077199            | LYPLA1             | 0.0044                    | 0.4405                                                                                    |

**11 Down-regulated Significant Genes (ANOVA, p-value less than 0.005)**

| <u>NN</u> | <u>Description</u>                                                                                                                                                                           | <u>GB accession</u> | <u>Gene symbol</u> | <u>Parametric p-value</u> | <u>Log-fold change</u><br><u><math>\frac{^{125}\text{IUdR}}{^{125}\text{IUdR}}</math></u> |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|---------------------------|-------------------------------------------------------------------------------------------|
| 1         | Unknown                                                                                                                                                                                      | ENST00000329233     | ENST00000329233    | 0.005                     | -0.4391                                                                                   |
| 2         | Homo sapiens heme-regulated initiation factor 2-alpha kinase (HRI), mRNA                                                                                                                     | NM_014413           | HRI                | 0.0037                    | -0.4505                                                                                   |
| 3         | Homo sapiens hypothetical protein FLJ31795 (FLJ31795), mRNA                                                                                                                                  | NM_144609           | FLJ31795           | 0.0033                    | -0.4853                                                                                   |
| 4         | Homo sapiens lymphocyte antigen 6 complex, locus D (E48), mRNA                                                                                                                               | NM_003695           | E48                | 0.0017                    | -0.5152                                                                                   |
| 5         | Homo sapiens deoxycytidine kinase (DCK), mRNA                                                                                                                                                | NM_000788           | DCK                | 0.0025                    | -0.528                                                                                    |
| 6         | Homo sapiens MCM3 minichromosome maintenance deficient 3 (S. cerevisiae) (MCM3), mRNA                                                                                                        | NM_002388           | MCM3               | 0.0023                    | -0.5528                                                                                   |
| 7         | GTP binding protein 2, a member of the GP-1 family of GTPases, contains a GTP-binding motif, and may function in signal transduction, expression is stimulated by interferon-gamma treatment | L_966849            | L_966849           | 0.0007                    | -0.5938                                                                                   |
| 8         | Unknown                                                                                                                                                                                      | THC1483599          | THC1483599         | 0.0016                    | -0.6315                                                                                   |
| 9         | Homo sapiens KIAA0101 gene product (KIAA0101), mRNA                                                                                                                                          | NM_014736           | KIAA0101           | 0.0012                    | -0.638                                                                                    |
| 10        | Homo sapiens F-box only protein 27 (FBXO27), mRNA                                                                                                                                            | NM_178820           | FBXO27             | 0.0007                    | -0.6677                                                                                   |
| 11        | Homo sapiens cDNA FLJ39068 fis, clone NT2RFP7015080                                                                                                                                          | AK096387            | AK096387           | 0.0003                    | -0.7037                                                                                   |