

**Supplemental Table 3. Transcription factors with altered phosphorylation in response to EGF.**

| Gene Symbol | UniProt No. | Site(s)   | Annotation                                      | TF Family | Direction of Change | Function  |
|-------------|-------------|-----------|---|-----------|---------------------|---|
| Atf2        | Q00969      | S296;S310 | Cyclic AMP-dependent transcription factor ATF-2 | TF_bZIP   | Down                | Transcriptional activator. Dependent on binding partner, binds to CRE or to AP-1 consensus sequences.                                 |
| Cux1        | P53565      | S871      | Homeobox protein cut-like 1                     | CUT       | Up                  | Repressor of developmentally regulated gene expression. Plays a role in cell cycle progression, in particular at the G1/S transition. |
| Etv6        | Q3KRD1      | S214      | Ets variant 6                                   | ETS       | Down                | Transcriptional repressor.  |
| Fosl2       | P51145      | S16;Y26   | Fos-related antigen 2                           | TF_bZIP   | Down                | AP-1 transcription factor. Control protein kinase A-induced CEBPB.  |
| Foxp4       | A0A0G2JX17  | S295      | Forkhead box P4                                 | Fork head | Down                | Transcriptional repressor.  |
| Nfat5       | D3ZGB1      | S667      | Nuclear factor of activated T-cells 5           | RHD       | Down                | Transcriptional regulation of osmoprotective and inflammatory genes.  |
| Ybx1        | P62961      | S100      | Y box-binding protein 1                         | CSD       | Up                  | Involved in translational repression, RNA stabilization, mRNA splicing, DNA repair and transcription regulation.                      |
| Zhx2        | Q80VX4      | S719      | Zinc fingers and homeoboxes protein 2           | Homeobox  | Up                  | Transcriptional repressor.  |

TF, transcription factor; CRE, cAMP response element; AP-1, activator protein 1; CEBPB, CCAAT/enhancer-binding protein expression.