Table 1 **The predicted activation and inhibition of transcription regulators from the MDA-MB-231 CAST-II overexpression cells**

|  |  |  |  |
| --- | --- | --- | --- |
| **Predicted Activation** | NFKB1 | NFKBIA | **Predicted inhibition** |
| MYC | E2F1 | FOS | GATA1 |
| SRF | E2F3 | YAP1 | RBL1 |
| CREB1 | BHLHE40 | MYOCD | ZFP36 |
| JUN | PYCARD |  | BCL3 |
| CEBPB | NFE2L2 |  |  |
| KLF6 | SMAD1 |  |  |
| POU5F1 | STAT5B |  |  |

Table 2 **The predicted activation and inhibition of transcription regulators from the T47D CAST-II overexpression cells**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Predicted Activation** |  | **Predicted inhibition** |  |  |  |
| MYCL | KLF4 | Irf7 | SPI1 |  |  |
| KAT5 | CREB1 | Foxc1 | FOXA1 |  |  |
| ATF4 | EED | HNF4A | IRF1 |  |  |
| MYC | NKX2-3 | CIITA | PML |  |  |
| TFEB | IRF2BP2 | STAT1 | SMAD7 |  |  |
| MRTFA | PRRX1 | NONO | HOXA4 |  |  |
| SREBF2 | SMAD2 | SMARCA4 | IRF5 |  |  |
| FOSL1 | MYCBP | PTF1A | CEBPA |  |  |
| YAP1 |  | IRF3 | SMARCB1 |  |  |
| MRTFB |  | FOXO3 | STAT2 |  |  |
| SMAD3 |  | STAT5B | HIF3A |  |  |
| SP1 |  | SIX2 | RAD21 |  |  |
| SREBF1 |  | IRF9 | VAV2 |  |  |
| RUNX2 |  | CERS5 |  |  |  |