**Supplementary Table 1:**

Transcription factor list from PROMO:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| --- | --- | --- |
| **Factor name** |  **Start position** |  **End position** |
|  C/EBPbeta [T00017] | -2014 | -2007 |
|  C/EBPbeta [T00017] | -1204 | -1197 |
|  C/EBPbeta [T00017] | -908 | -901 |
|  C/EBPbeta [T00017] | -588 | -581 |
|  C/EBPbeta [T00017] | -388 | -381 |
|  C/EBPbeta [T00017] | -18 | -11 |
|  USF-1 [T00875] | -1659 | -1653 |
|  USF-1 [T00875] | -1526 | -1520 |
|  USF-1 [T00875] | -472 | -466 |
|  USF-1 [T00875] | -448 | -442 |
|  USF-1 [T00875] | -358 | -352 |
|  Pax-2 [T01823] | -1967 | -1961 |
|  Pax-2 [T01823] | -728 | -722 |
|  Pax-2 [T01823] | -642 | -636 |
|  Pax-2 [T01823] | -500 | -494 |
|  Pax-8 [T01828] | -1966 | -1961 |
|  Pax-8 [T01828] | -1685 | -1680 |
|  Pax-8 [T01828] | -1279 | -1274 |
|  Pax-8 [T01828] | -1197 | -1192 |
|  Pax-8 [T01828] | -1190 | -1185 |
|  Pax-8 [T01828] | -1131 | -1126 |
|  Pax-8 [T01828] | -1047 | -1042 |
|  Pax-8 [T01828] | -978 | -973 |
|  Pax-8 [T01828] | -370 | -365 |
|  Pax-8 [T01828] | -41 | -36 |
|  c-Jun [T00131] | -1969 | -1964 |
|  c-Jun [T00131] | -1798 | -1793 |
|  c-Jun [T00131] | -1765 | -1760 |
|  c-Jun [T00131] | -1636 | -1631 |
|  c-Jun [T00131] | -893 | -888 |
|  c-Jun [T00131] | -725 | -720 |
|  c-Jun [T00131] | -484 | -479 |
|  GATA-1 [T00305] | -1905 | -1898 |
|  GATA-1 [T00305] | -598 | -591 |
|  **GATA-1 [T00305]** | -171 | -164 |
|  TFIIB [T00818] | -1897 | -1890 |
|  TFIIB [T00818] | -1366 | -1359 |
|  TFIIB [T00818] | -1345 | -1338 |
|  TFIIB [T00818] | -1045 | -1038 |
|  TFIIB [T00818] | -899 | -892 |
|  TFIIB [T00818] | -664 | -657 |
|  TBP [T00798] | -1844 | -1837 |
|  TBP [T00798] | -1186 | -1179 |
|  TBP [T00798] | -816 | -809 |
|  TBP [T00798] | -427 | -420 |
|  TBP [T00798] | -165 | -158 |
|  Vpr [T02399] | -1762 | -1755 |
|  Vpr [T02399] | -1503 | -1496 |
|  Vpr [T02399] | -460 | -453 |
|  NF-1 [T00538] | -1508 | -1501 |
|  NF-1 [T00538] | -1488 | -1481 |
|  NF-1 [T00538] | -1087 | -1080 |
|  NF-1 [T00538] | -1056 | -1049 |
|  NF-1 [T00538] | -1005 | -998 |
|  NF-1 [T00538] | -869 | -862 |
|  NF-1 [T00538] | -322 | -315 |
|  Sox2 [T01836] | -1978 | -1972 |
|  Sox2 [T01836] | -1697 | -1691 |
|  Sox2 [T01836] | -1418 | -1412 |
|  Sox2 [T01836] | -1266 | -1260 |
|  Sox2 [T01836] | -992 | -986 |
|  Sox2 [T01836] | -725 | -719 |
|  Sox2 [T01836] | -304 | -298 |
|  Sox2 [T01836] | -65 | -59 |
|  TFIID [T00820] | -1742 | -1735 |
|  TFIID [T00820] | -1190 | -1183 |
|  TFIID [T00820] | -1184 | -1177 |
|  TFIID [T00820] | -408 | -401 |
|  Antp [T00026] | -187 | -182 |
|  Antp [T00026] | -183 | -178 |
|  Antp [T00026] | -105 | -100 |
|  Antp [T00026] | -73 | -68 |
|  STAT1beta [T01573] | -1834 | -1825 |
|  STAT1beta [T01573] | -1357 | -1348 |
|  STAT1beta [T01573] | -362 | -353 |
|  TBP [T00794] | -412 | -405 |
|  TBP [T00794] | -408 | -401 |
|  FOXN2 [T04206] | -1466 | -1456 |
|  HNF-1 [T00369] | -1387 | -1376 |
|  C/EBPalpha [T00104] | -1551 | -1546 |
|  C/EBPalpha [T00104] | -97 | -92 |
|  C/EBPalpha [T00104] | -14 | -9 |
|  Hlf [T01071] | -962 | -954 |
|  Hlf [T01071] | -440 | -432 |
|  Hlf [T01071] | -287 | -279 |
|  HBP-1 [T00354] | -936 | -929 |
|  NF-Y [T00150] | -1647 | -1640 |
|  FOXO4 [T04176] | -521 | -512 |
|  FOXO4 [T04176] | -105 | -96 |
|  AP-1 [T00031] | -501 | -491 |
|  **Rel [T00594]** | -267 | -258 |
|  STAT6 [T01581] | -263 | -255 |
|  FOXO1 [T04203] | -283 | -273 |
|  FOXO1 [T04203] | -239 | -229 |
|  FOXO1 [T04203] | -201 | -191 |
|  c-Ets-1 [T00111] | -1599 | -1590 |
|  c-Ets-1 [T00111] | -266 | -257 |
|  USF-1 [T00877] | -627 | -617 |
|  TFII-I [T00824] | -1771 | -1761 |
|  Smad3 [T04096] | -2005 | -1996 |
|  Smad4 [T04292] | -2006 | -1996 |
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