|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chr** | **Gene** | **B/T** | **POLR2A/EZH2** | **Gene**  **Expression** | **EZH2**  **Binding** |
| 20 | ADNP | B | POLR2A | 44.0 |  |
| 18 | ADNP2 | B | POLR2A | 13.3 |  |
| 12 | AEBP2 | B | POLR2A | 21.7 |  |
| 2 | AFF3 | T | EZH2 | 8.8 | 8 |
| 5 | AFF4 | B | POLR2A | 40.2 |  |
| 7 | AHR | B | POLR2A | 49.6 |  |
| 21 | AIRE | T | EZH2 | 4.0 | 2 |
| 9 | AKNA | B | POLR2A | 43.8 |  |
| 12 | ALX1 | T | EZH2 + POLR2A | 2.6 |  |
| 1 | ALX3 | B | EZH2 > POLR2A | 11.7 |  |
| 11 | ALX4 | T | EZH2 | 1.1 | 15 |
| 23 | ARX | T | POLR2A + EZH2 | 6.1 | 8 |
| 3 | ARGFX | T | neither | 0.5 |  |
| 19 | ARID3A | B | POLR2A | 6.2 |  |
| 10 | ARID5B | B | POLR2A | 40.8 |  |
| 1 | ARNT | B | POLR2A | 40.2 |  |
| 15 | ARNT2 | B | EZH2 + POLR2A | 15.5 |  |
| 11 | ARNTL | B | POLR2A > EZH2 | 24.2 |  |
| 12 | ARNTL2 | B | POLR2A | 4.1 |  |
| 23 | ARX | T | EZH2 | 6.1 |  |
| 11 | ASCL2 | T | EZH2 | 3.1 | 6 |
| 11 | ASCL3 | T | neither | 8.7 |  |
| 12 | ASCL4 | T | EZH2 | 0.1 | 8 |
| 1 | ASH1L | B | POLR2A | 23.7 |  |
| 12 | ATF1 | B | POLR2A | 21.3 |  |
| 2 | ATF2 | B | POLR2A | 32.4 |  |
| 1 | ATF3 | B | POLR2A + EZH2 | 30.1 |  |
| 22 | ATF4 | B | POLR2A | 600.3 |  |
| 19 | ATF5 | B | POLR2A | 24.3 |  |
| 1 | ATF6 | B | POLR2A | 20.7 |  |
| 6 | ATF6B | B | POLR2A | 116.1 |  |
| 12 | ATF7 | B | POLR2A | 32.8 |  |
| 4 | ATOH1 | T | EZH2 | 17.1 | 8 |
| 10 | ATOH7 | T | POLR2A + EZH2 | 2.9 |  |
| 21 | BACH1 | B | POLR2A | 17.9 |  |
| 6 | BACH2 | B | POLR2A | 4.9 |  |
| 9 | BARHL1 | T | EZH2 | 49.1 | 12 |
| 1 | BARHL2 | T | EZH2 | 84.0 | 12 |
| 9 | BARX1 | T | EZH2 | 47.0 | 8 |
| 11 | BARX2 | T | EZH2 | 143.4 | 6 |
| 14 | BATF | B | POLR2A | 10.3 |  |
| 11 | BATF2 | B/T | POLR2A | 4.9 |  |
| 1 | BATF3 | T | EZH2 | 4.4 | 2 |
| 3 | BBX | B | POLR2A | 22.7 |  |
| 2 | BCL11A | T | POLR2A > EZH2 | 6.5 |  |
| 14 | BCL11B | T | POLR2A + EZH2 | 8.9 |  |
| 3 | BCL6 | B | POLR2A | 208.4 |  |
| 17 | BCL6B | B | POLR2A > EZH2 | 15.0 |  |
| 6 | BCLAF1 | B | POLR2A | 58.4 |  |
| 20 | BHLH23 | T | EZH2 | 0.5 | 4 |
| 3 | BHLHE40 | B | POLR2A | 316.4 |  |
| 7 | BHLHA15 | T | POLR2A | 192.4 | 5 |
| 8 | BHLHE22 | T | EZH2 | 14.8 | 8 |
| 20 | BMP2 | B | EZH2 + POLR2A | 13.6 |  |
| 15 | BNC1 | T | EZH2 + POLR2A | 18.0 |  |
| 9 | BNC2 | T | POLR2A + EZH2 | 22.5 |  |
| 5 | BRD9 | B | POLR2A | 30.1 |  |
| 11 | BSX | T | EZH2 | 0.8 | 8 |
| 14 | MIDEAS | B | POLR2A | 37.0 |  |
| 1 | CAMTA1 | B | POLR2A | 38.0 |  |
| 17 | CAMTA2 | B | POLR2A | 91.0 |  |
| 1 | CASZ1 | B | POLR2A + EZH2 | 54.9 |  |
| 6 | CDC5L | B | POLR2A | 30.0 |  |
| 5 | CDX1 | T | EZH2 | 86.8 | 4 |
| 13 | CDX2 | T | EZH2 | 29.9 | 10 |
| 19 | CEBPA | B | POLR2A + EZH2 | 72.5 |  |
| 20 | CEBPB | B | POLR2A | 263.0 |  |
| 19 | CEBPG | B | POLR2A | 35.0 |  |
| 2 | CEBPZ | B | POLR2A | 30.9 |  |
| 19 | CIC | B | POLR2A | 73.6 |  |
| 9 | CIZ1 | B | POLR2A | 67.9 |  |
| 4 | CLOCK | B | POLR2A | 10.1 |  |
| 16 | CRAMP1 | B | POLR2A | 29.5 |  |
| 9 | CREB3 | B | POLR2A | 98.1 |  |
| 11 | CREB3L1 | B | POLR2A | 31.4 |  |
| 7 | CREB3L2 | B | POLR2A | 46.7 |  |
| 19 | CREB3L3 | T | neither | 304.8 |  |
| 1 | CREB3L4 | B | POLR2A | 26.5 |  |
| 7 | CREB5 | B | neither | 7.5 |  |
| 12 | CREBL2 | B | POLR2A | 40.8 |  |
| 11 | CREBZF | B | POLR2A | 74.0 |  |
| 10 | CREM | B | POLR2A | 23.7 |  |
| 19 | CRX | T | neither | 0.1 |  |
| 16 | CTCF | B | POLR2A | 40.3 |  |
| 20 | CTCFL | T | POLR2A | 7.5 |  |
| 7 | CUX1 | B | POLR2A | 27.3 |  |
| 12 | CUX2 | T | POLR2A + EZH2 | 10.6 |  |
| 18 | CXXC1 | B | POLR2A | 72.9 |  |
| 13 | DACH1 | B | neither | 7.1 |  |
| 23 | DACH2 | T | neither | 5.0 |  |
| 19 | DBP | B | POLR2A | 33.4 |  |
| 11 | DBX1 | T | EZH2 | 0.6 | 8 |
| 12 | DBX2 | T | EZH2 | 3.2 | 4 |
| 12 | DDIT3 | B | POLR2A | 80.0 |  |
| 11 | DEAF1 | B | POLR2A | 87.0 |  |
| 2 | DLX1 | T | EZH2 | 10.0 | 14 |
| 2 | DLX2 | T | EZH2 + POLR2A | 1.5 |  |
| 17 | DLX3 | T | EZH2 | 65.4 | 9 |
| 17 | DLX4 | T | EZH2 | 3.0 | 10 |
| 7 | DLX5 | T | EZH2 | 34.7 | 8 |
| 7 | DLX6 | T | EZH2 | 9.7 | 11 |
| 1 | DMBX1 | T | neither | 2.0 |  |
| 9 | DMRT1 | T | EZH2 | 45.4 | 12 |
| 9 | DMRT2 | T | EZH2 | 18.4 | 7 |
| 9 | DMRT3 | T | EZH2 | 14.0 | 16 |
| 9 | DMRTA1 | T | POLR2A | 3.3 |  |
| 1 | DMRTA2 | T | EZH2 | 4.5 | 12 |
| 1 | DMRTB1 | T | neither | 122.4 |  |
| 19 | DMRTC2 | T | neither | 66.3 |  |
| 7 | DMTF1 | B | POLR2A | 74.1 |  |
| 7 | DNAJC2 | B | POLR2A | 13.8 |  |
| 19 | DPF1 | T | POLR2A > EZH2 | 30.6 |  |
| 11 | DPF2 | B | POLR2A | 63.7 |  |
| 14 | DPF3 | T | EZH2 | 16.2 | 5 |
| 19 | DPRX | T | neither | 1.0 |  |
| 1 | DR1 | B | POLR2A | 18.0 |  |
| 11 | DRAP1 | B | POLR2A | 233.4 |  |
| 10 | DRGX | T | EZH2 | 1.8 | 12 |
| 19 | DUXA | T | neither | 1.0 |  |
| 3 | DZIP1L | B | POLR2A | 8.4 |  |
| 20 | E2F1 | B | POLR2A | 9.5 |  |
| 1 | E2F2 | T | POLR2A | 12.8 |  |
| 6 | E2F3 | B | POLR2A | 14.1 |  |
| 16 | E2F4 | B | POLR2A | 97.9 |  |
| 8 | E2F5 | B | POLR2A | 8.9 |  |
| 2 | E2F6 | B | POLR2A | 12.6 |  |
| 12 | E2F7 | T | POLR2A | 4.7 |  |
| 11 | E2F8 | T | POLR2A + EZH2 | 3.2 |  |
| 5 | EBF1 | B | POLRA2 | 36.2 |  |
| 10 | EBF3 | T | EZH2 | 5.0 | 7 |
| 20 | EBF4 | B | EZH2 | 71.4 | 8 |
| 9 | EDF1 | B | POLR2A | 289.4 |  |
| 5 | EGR1 | B | POLR2A | 402.0 |  |
| 10 | EGR2 | B | POLR2A > EZH2 | 11.0 |  |
| 2 | EGR4 | T | EZH2 | 14.8 | 9 |
| 11 | EHF | T | POLR2A | 147.3 |  |
| 13 | ELF1 | B | POLR2A | 50.6 |  |
| 4 | ELF2 | B | POLR2A | 24.9 |  |
| 1 | ELF3 | T | POLR2A | 29.0 |  |
| 23 | ELF4 | B | POLR2A | 25.2 |  |
| 11 | ELF5 | T | POLR2A | 3.9 |  |
| 23 | ELK1 | B | POLR2A | 46.2 |  |
| 12 | ELK3 | B | POLR2A | 48.5 |  |
| 1 | ELK4 | B | POLR2A | 15.7 |  |
| 2 | EMX1 | T | EZH2 | 18.8 | 19 |
| 10 | EMX2 | T | EZH2 | 20.2 | 12 |
| 2 | EN1 | T | EZH2 | 9.4 | 12 |
| 7 | EN2 | T | EZH2 | 79.3 | 8 |
| 3 | EOMES | T | EZH2 | 26.9 | 12 |
| 2 | EPAS1 | B | POLR2A | 204.9 |  |
| 19 | ERF | B | POLR2A | 72.8 |  |
| 21 | ERG | B | EZH2 > POLR2A | 28.1 |  |
| 6 | ESR1 | T | EZH2+POLR2A | 45.6 |  |
| 14 | ESR2 | T | POLR2A + EZH2 | 1.1 |  |
| 11 | ESRRA | B | POLR2A | 65.6 |  |
| 14 | ESRRB | T | EZH2 | 11.8 | 8 |
| 1 | ESRRG | T | EZH2 | 3.7 | 8 |
| 23 | ESX1 | T | EZH2 | 19.8 | 4 |
| 11 | ETS1 | B | POLR2A | 48.2 |  |
| 21 | ETS2 | B | POLR2A | 242.3 |  |
| 7 | ETV1 | B | POLR2A | 174.6 |  |
| 19 | ETV2 | T | POLR2A | 1.8 |  |
| 1 | ETV3 | B | POLR2A | 13.3 |  |
| 1 | ETV3L | T | neither | 0.8 |  |
| 17 | ETV4 | B | POLR2A | 6.4 |  |
| 3 | ETV5 | B | POLR2A | 17.1 |  |
| 12 | ETV6 | B | POLR2A | 25.0 |  |
| 6 | ETV7 | B | EZH2 + POLR2A | 5.0 |  |
| 11 | PLEKHB1 | B | POLR2A > EZH2 | 207.9 |  |
| 7 | EVX1 | T | EZH2 | 5.0 | 7 |
| 2 | EVX2 | T | EZH2 | 2.2 | 6 |
| 17 | EZH1 | B | POLR2A | 100.7 |  |
| 7 | EZH2 | B | POLR2A | 14.8 |  |
| 5 | FAM170A | T | neither | 36.8 |  |
| 2 | FBXO41 | T | POLR2A | 60.1 |  |
| 2 | FEV | T | EZH2 | 4.5 | 12 |
| 2 | FIGLA | T | EZH2 | 0.8 | 6 |
| 19 | FIZ1 | B | POLR2A | 9.4 |  |
| 11 | FLI1 | B | EZH2 + POLR2A | 18.6 |  |
| 14 | FOS | B | POLR2A | 429.6 |  |
| 19 | FOSB | B | POLR2A | 20.5 |  |
| 11 | FOSL1 | B | POLR2A + EZH2 | 12.2 |  |
| 2 | FOSL2 | B | POLR2A | 144.2 |  |
| 14 | FOXA1 | T | POLR2A > EZH2 | 21.2 |  |
| 20 | FOXA2 | T | EZH2 > POLR2A | 14.2 |  |
| 19 | FOXA3 | T | POLR2A | 21.1 |  |
| 15 | FOXB1 | T | EZH2 | 3.4 | 8 |
| 9 | FOXB2 | T | EZH2 | 0.1 | 9 |
| 6 | FOXC1 | B | POLR2A + EZH2 | 63.9 |  |
| 16 | FOXC2 | T | EZH2 > POLR2A | 36.0 |  |
| 1 | FOXD2 | T | EZH2 | 16.5 | 5 |
| 1 | FOXD3 | T | EZH2 > POLR2A | 49.5 |  |
| 9 | FOXD4 | T | EZH2 | 3.4 | 1 |
| 2 | FOXD4L1 | T | EZH2 | 1.5 | 3 |
| 9 | FOXD4L3 | T | neither | 0.2 |  |
| 9 | FOXD4L5 | T | neither | 0.1 |  |
| 9 | FOXD4L6 | T | EZH2 | 0.3 | 1 |
| 9 | FOXE1 | T | EZH2 | 164.5 | 11 |
| 1 | FOXE3 | T | EZH2 | 1.2 | 4 |
| 16 | FOXF1 | B | EZH2 | 49.3 | 8 |
| 6 | FOXF2 | T | EZH2 | 130.0 | 12 |
| 14 | FOXG1 | T | EZH2 | 25.2 | 4 |
| 8 | FOXH1 | T | EZH2 + POLR2A | 0.8 |  |
| 5 | FOXI1 | T | neither | 32.2 |  |
| 10 | FOXI2 | T | EZH2 | 2.0 | 1 |
| 17 | FOXJ1 | T | EZH2 > POLR2A | 15.7 |  |
| 12 | FOXJ2 | B | POLR2A | 30.8 |  |
| 1 | FOXJ3 | B | POLR2A | 31.9 |  |
| 17 | FOXK2 | B | POLR2A | 19.6 |  |
| 16 | FOXL1 | T | EZH2 | 17.9 | 4 |
| 3 | FOXL2 | T | EZH2 | 102.0 | 12 |
| 12 | FOXM1 | B | POLR2A | 15.8 |  |
| 17 | FOXN1 | T | POLR2A | 64.3 |  |
| 2 | FOXN2 | B | POLR2A | 11.6 |  |
| 14 | FOXN3 | B | POLR2A | 16.5 |  |
| 12 | FOXN4 | T | EZH2 | 23.6 | 8 |
| 13 | FOXO1 | B | POLR2A | 66.8 |  |
| 6 | FOXO3 | B | POLR2A | 50.2 |  |
| 23 | FOXO4 | B | POLR2A | 45.3 |  |
| 1 | FOXO6 | B | POLR2A + EZH2 | 10.1 |  |
| 3 | FOXP1 | B | POLR2A | 18.3 |  |
| 7 | FOXP2 | T | EZH2 + POLR2A | 14.7 |  |
| 23 | FOXP3 | B | POLR2A | 1.9 |  |
| 6 | FOXP4 | B | POLR2A | 41.0 |  |
| 6 | FOXQ1 | T | EZH2 + POLR2A | 36.0 |  |
| 11 | FOXR1 | T | neither | 9.6 |  |
| 23 | FOXR2 | T | neither | 2.6 |  |
| 20 | FOXS1 | T | POLR2A | 63.8 |  |
| 21 | GABPA | B | POLR2A | 17.8 |  |
| 15 | GABPB1 | B | POLR2A | 11.1 |  |
| 23 | GATA1 | T | POLR2A | 3.7 |  |
| 3 | GATA2 | B | EZH2 > POLR2A | 55.9 |  |
| 10 | GATA3 | T | EZH2 > POLR2A | 269.4 |  |
| 8 | GATA4 | T | EZH2 | 144.1 | 15 |
| 20 | GATA5 | T | EZH2 | 13.9 | 7 |
| 18 | GATA6 | T | EZH2 | 54.7 | 11 |
| 7 | GBX1 | T | EZH2 | 15.4 | 13 |
| 2 | GBX2 | T | EZH2 | 2.4 | 4 |
| 6 | GCM2 | T | EZH2 | 1.4 | 6 |
| 1 | GFI1 | T | EZH2 | 9.7 | 4 |
| 9 | GFI1B | T | neither | 5.5 |  |
| 12 | GLI1 | B | POLR2A | 5.9 |  |
| 12 | GLI2 | B | POLR2A | 6.1 |  |
| 12 | GLI3 | B | POLR2A | 15.2 |  |
| 1 | GLIS1 | B | EZH2 | 5.7 | 9 |
| 2 | GLIS2 | B | EZH2 | 36.1 | 8 |
| 1 | GLIS3 | T | POLR2A + EZH2 | 4.8 |  |
| 1 | GMEB1 | B | POLR2A | 7.0 |  |
| 1 | GON4L | B | POLR2A | 15.0 |  |
| 2 | GRHL1 | T | POLR2A | 160.8 |  |
| 8 | GRHL2 | T | POLR2A | 41.4 |  |
| 1 | GRHL3 | T | POLR2A + EZH2 | 141.8 |  |
| 19 | GRLF1 | B | POLR2A | 26.8 |  |
| 14 | GSC | T | EZH2 | 10.5 | 7 |
| 22 | GSC2 | T | EZH2 | 3.7 | 8 |
| 13 | GSX1 | T | EZH2 | 1.2 | 6 |
| 4 | GSX2 | T | EZH2 | 0.8 | 14 |
| 20 | GZF1 | B | POLR2A | 12.7 |  |
| 5 | HAND1 | T | EZH2 | 122.8 | 16 |
| 4 | HAND2 | T | EZH2 | 86.4 | 10 |
| 7 | HBP1 | B | POLR2A | 41.2 |  |
| 23 | HDX | B | POLR2A | 2.9 |  |
| 4 | HELT | T | EZH2 | 1.9 | 4 |
| 4 | HERC5 | B | POLR2A+EZH2 | 26.8 |  |
| 3 | HES1 | B | POLR2A | 250.4 |  |
| 1 | HES2 | T | EZH2 + POLR2A | 28.9 |  |
| 1 | HES3 | T | EZH2 | 0.4 | 6 |
| 1 | HES4 | B | EZH2 + POLR2A | 64.6 |  |
| 1 | HES5 | T | EZH2 | 8.8 | 12 |
| 17 | HES7 | T | EZH2 | 7.0 | 6 |
| 3 | HESX1 | B | POLR2A | 2.1 |  |
| 6 | HEY2 | B | EZH2 > POLR2A | 56.3 |  |
| 1 | HEYL | B | EZH2 + POLR2A | 116.3 |  |
| 10 | HHEX | B | EZH2 | 50.3 | 13 |
| 17 | HIC1 | B | EZH2 + POLR2A | 30.1 |  |
| 22 | HIC2 | B | POLR2A | 5.7 |  |
| 14 | HIF1A | B | POLR2A | 82.9 |  |
| 19 | HIF3A | B | POLR2A | 64.9 |  |
| 6 | HIVEP1 | B | POLR2A | 8.1 |  |
| 6 | HIVEP2 | B | POLR2A | 11.1 |  |
| 1 | HIVEP3 | B | POLR2A | 6.4 |  |
| 19 | ZNF875 | B | POLR2A | 25.8 |  |
| 17 | HLF | B | POLR2A + EZH2 | 49.2 |  |
| 1 | HLX | B | EZH2 | 32.3 | 7 |
| 8 | HMBOX1 | B | POLR2A | 8.2 |  |
| 4 | HMX1 | T | EZH2 | 2.3 | 4 |
| 10 | HMX2 | T | EZH2 | 1.6 | 11 |
| 10 | HMX3 | T | EZH2 | 1.4 | 7 |
| 12 | HNF1A | T | POLR2A | 8.7 |  |
| 17 | HNF1B | T | EZH2 + POLR2A | 90.4 |  |
| 8 | HNF4G | T | neither | 24.4 |  |
| 14 | HOMEZ | B | POLR2A | 9.7 |  |
| 4 | HOPX | T | EZH2 + POLR2A | 746.5 |  |
| 7 | HOXA1 | T | EZH2 > POLR2A | 3.6 |  |
| 7 | HOXA10 | T | EZH2 > POLR2A | 70.5 |  |
| 7 | HOXA11 | T | EZH2=POLR2A | 200.7 | 8 |
| 7 | HOXA13 | T | EZH2 + POLR2A | 71.9 |  |
| 7 | HOXA2 | T | EZH2 > POLR2A | 8.1 |  |
| 7 | HOXA3 | T | EZH2 | 14.4 | 10 |
| 7 | HOXA4 | T | EZH2 | 44.6 | 3 |
| 7 | HOXA5 | T | EZH2 + POLR2A | 117.9 |  |
| 7 | HOXA6 | T | EZH2 + POLR2A | 14.8 |  |
| 7 | HOXA7 | T | EZH2 | 3.1 | 9 |
| 7 | HOXA9 | T | EZH2 | 33.6 | 11 |
| 17 | HOXB1 | T | EZH2 | 0.8 |  |
| 17 | HOXB13 | T | EZH2 | 118.8 | 16 |
| 17 | HOXB2 | B | EZH2 + POLR2A | 47.2 |  |
| 17 | HOXB3 | T | EZH2 > POLR2A | 33.2 |  |
| 17 | HOXB4 | B/T | EZH2 | 22.9 | 3 |
| 17 | HOXB5 | T | EZH2 > POLR2A | 34.5 |  |
| 17 | HOXB6 | T | EZH2 | 40.1 | 11 |
| 17 | HOXB7 | T | EZH2 > POLR2A | 36.9 |  |
| 17 | HOXB8 | T | EZH2 + POLR2A | 37.3 |  |
| 17 | HOXB9 | T | EZH2 + POLR2A | 35.4 |  |
| 12 | HOXC10 | T | EZH2 | 61.6 | 7 |
| 12 | HOXC11 | T | EZH2 | 6.7 | 8 |
| 12 | HOXC12 | T | EZH2 | 5.4 | 13 |
| 12 | HOXC13 | T | EZH2 | 12.9 | 8 |
| 12 | HOXC4 | T | EZH2 | 42.8 | 19 |
| 12 | HOXC5 | T | EZH2 | 17.8 | 19 |
| 12 | HOXC6 | T | EZH2 | 37.9 | 19 |
| 12 | HOXC8 | T | EZH2 | 22.2 | 15 |
| 12 | HOXC9 | T | EZH2 | 22.3 | 22 |
| 2 | HOXD1 | T | EZH2 > POLR2A | 9.1 |  |
| 2 | HOXD10 | T | EZH2 | 103.7 | 6 |
| 2 | HOXD11 | T | EZH2 | 15.5 | 6 |
| 2 | HOXD12 | T | EZH2 | 0.6 | 8 |
| 2 | HOXD13 | T | EZH2 | 34.0 | 11 |
| 2 | HOXD3 | T | EZH2 | 29.2 | 14 |
| 2 | HOXD4 | T | EZH2 | 36.1 | 8 |
| 2 | HOXD8 | T | EZH2 | 50.5 | 12 |
| 2 | HOXD9 | T | EZH2 > POLR2A | 173.5 |  |
| 8 | HSF1 | B | POLR2A | 108.6 |  |
| 6 | HSF2 | B | POLR2A | 33.0 |  |
| 16 | HSF4 | B | EZH2 + POLR2A | 108.1 |  |
| 17 | HSF5 | T | neither | 64.5 |  |
| 20 | ID1 | B | POLR2A | 204.6 |  |
| 2 | ID2 | B | POLR2A | 126.5 |  |
| 1 | ID3 | B | POLR2A | 357.9 |  |
| 1 | IFI16 | B | POLR2A | 112.3 |  |
| 7 | IKZF1 | T | POLR2A > EZH2 | 34.7 |  |
| 2 | IKZF2 | B | POLR2A | 9.0 |  |
| 17 | IKZF3 | T | POLR2A + EZH2 | 36.8 |  |
| 12 | IKZF4 | B | POLR2A | 10.8 |  |
| 10 | IKZF5 | B | POLR2A | 25.5 |  |
| 20 | INSM1 | T | EZH2 | 53.3 | 7 |
| 14 | INSM2 | T | EZH2 | 2.4 | 11 |
| 5 | IRF1 | B | POLR2A | 42.2 |  |
| 4 | IRF2 | B | POLR2A | 28.9\* |  |
| 19 | IRF3 | B | POLR2A | 86.9 |  |
| 6 | IRF4 | T | POLR2A | 33.4 |  |
| 7 | IRF5 | B | POLR2A | 11.8 |  |
| 1 | IRF6 | T | POLR2A | 188.7 |  |
| 11 | IRF7 | B | POLR2A | 44.3 |  |
| 16 | IRF8 | B | POLR2A | 21.0 |  |
| 14 | IRF9 | B | POLR2A | 96.0 |  |
| 5 | IRX1 | T | EZH2 | 36.0 | 8 |
| 5 | IRX2 | T | POLR2A + EZH2 | 40.2 |  |
| 16 | IRX3 | T | EZH2 | 31.9 | 4 |
| 5 | IRX4 | T | EZH2 + POLR2A | 31.6 |  |
| 16 | IRX5 | T | EZH2 > POLR2A | 29.1 |  |
| 16 | IRX6 | T | EZH2 > POLR2A | 13.4 |  |
| 5 | ISL1 | T | EZH2 | 28.0 | 6 |
| 15 | ISL2 | T | EZH2 + POLR2A | 5.9 |  |
| 22 | ISX | T | POLR2A | 24.8 |  |
| 7 | JAZF1 | B | POLR2A | 50.2 |  |
| 14 | JDP2 | B | POLR2A | 27.6 |  |
| 1 | JUN | B | POLR2A | 333.6 |  |
| 19 | JUNB | B | POLR2A | 788.0 |  |
| 19 | JUND | B | POLR2A | 305.5 |  |
| 7 | KIAA1549 | B | POLR2A > EZH2 | 3.2 |  |
| 19 | KLF1 | T | POLR2A | 1.4 |  |
| 8 | KLF10 | B | POLR2A | 57.4 |  |
| 2 | KLF11 | B | POLR2A | 27.1 |  |
| 13 | KLF12 | B | POLR2A | 10.0 |  |
| 15 | KLF13 | B | POLR2A | 44.9 |  |
| 7 | KLF14 | T | EZH2 | 2.4 | 14 |
| 3 | KLF15 | B | EZH2 + POLR2A | 54.8 |  |
| 19 | KLF16 | B | POLR2A | 27.3 |  |
| 1 | KLF17 | T | neither | 24.5 |  |
| 19 | KLF2 | B | POLR2A + EZH2 | 106.7 |  |
| 4 | KLF3 | B | POLR2A | 39.5 |  |
| 13 | KLF5 | B | POLR2A | 77.5 |  |
| 10 | KLF6 | B | POLR2A | 95.8 |  |
| 2 | KLF7 | B | POLR2A | 18.1 |  |
| 23 | KLF8 | B | POLR2A | 20.3 |  |
| 9 | KLF9 | B | POLR2A | 122.3 |  |
| 10 | LBX1 | T | EZH2 | 9.7 | 15 |
| 2 | LBX2 | T | EZH2 + POLR2A | 1.3 |  |
| 10 | LCOR | B | neither | 6.1 |  |
| 4 | LCORL | B | POLR2A | 2.7 |  |
| 4 | LEF1 | T | EZH2 | 12.7 | 9 |
| 19 | LEUTX | T | neither | 0.1 |  |
| 17 | LHX1 | T | EZH2 | 55.1 | 19 |
| 9 | LHX2 | T | EZH2 | 50.5 | 16 |
| 9 | LHX3 | T | EZH2 | 89.7 | 4 |
| 1 | LHX4 | B | EZH2 | 3.1 | 11 |
| 12 | LHX5 | T | EZH2 | 4.1 | 8 |
| 9 | LHX6 | T | EZH2 | 7.4 | 7 |
| 1 | LHX8 | T | EZH2 | 4.0 | 12 |
| 1 | LHX9 | T | EZH2 | 4.1 | 18 |
| 1 | LMX1A | T | EZH2 | 2.4 | 8 |
| 9 | LMX1B | T | EZH2 | 5.1 | 12 |
| 1 | MAEL | T | neither | 174.2 |  |
| 16 | MAF | B | POLR2A + EZH2 | 76.4 |  |
| 8 | MAFA | T | EZH2 | 16.5 | 12 |
| 20 | MAFB | T | EZH2 | 83.0 | 7 |
| 22 | MAFF | B | POLR2A | 71.3 |  |
| 17 | MAFG | B | POLR2A | 30.4 |  |
| 7 | MAFK | B | POLR2A | 89.6 |  |
| 5 | MATR3 | B | POLR2A | 14.9 |  |
| 14 | MAX | B | POLR2A | 54.2 |  |
| 16 | MAZ | B | POLR2A | 35.6 |  |
| 15 | MEF2A | B | POLR2A | 46.4 |  |
| 19 | MEF2B | B | POLR2A | 18.6 |  |
| 5 | MEF2C | B | POLR2A | 23.1 |  |
| 1 | MEF2D | B | POLR2A | 75.2 |  |
| 2 | MEIS1 | B | EZH2 + POLR2A | 43.6 |  |
| 15 | MEIS2 | B | POLR2A > EZH2 | 33.7 |  |
| 19 | MEIS3 | T | EZH2 + POLR2A | 40.1 |  |
| 7 | MEOX2 | T | EZH2 | 54.2 | 4 |
| 15 | MESP2 | B | EZH2 + POLR2A | 1.0 |  |
| 15 | MGA | B | POLR2A | 10.5 |  |
| 1 | MIER1 | B | POLR2A | 20.9 |  |
| 19 | MIER2 | B | POLR2A | 13.6 |  |
| 5 | MIER3 | B | POLR2A | 15.0 |  |
| 1 | MIXL1 | T | EZH2 | 2.3 | 2 |
| 11 | MIZF | B | POLR2A | 11.7 |  |
| 15 | MKRN3 | T | POLR2A | 3.4 |  |
| 10 | MKX | T | EZH2 | 16.2 | 10 |
| 19 | MLLT1 | B | POLR2A | 83.6 |  |
| 9 | MLLT3 | B | POLR2A + EZH2 | 8.2 |  |
| 17 | MLX | B | POLR2A | 58.5 |  |
| 12 | MLXIP | B | POLR2A | 49.2 |  |
| 7 | MLXIPL | B | EZH2 + POLR2A | 44.8 |  |
| 17 | MNT | B | POLR2A | 21.1 |  |
| 7 | MNX1 | T | EZH2 | 7.7 | 12 |
| 8 | MSC | B | EZH2 + POLR2A | 13.7 |  |
| 4 | MSX1 | B | EZH2 + POLR2A | 14.2 |  |
| 5 | MSX2 | T | EZH2 | 11.3 | 4 |
| 1 | MTF1 | B | POLR2A | 8.5 |  |
| 2 | MXD1 | B | POLR2A | 19.2 |  |
| 5 | MXD3 | B | POLR2A | 12.3 |  |
| 4 | MXD4 | B | POLR2A | 67.0 |  |
| 10 | MXI1 | B | POLR2A | 59.6 |  |
| 6 | MYB | T | POLR2A + EZH2 | 12.6 |  |
| 8 | MYBL1 | B | POLR2A | 7.6 |  |
| 20 | MYBL2 | T | POLR2A | 37.9 |  |
| 8 | MYC | B | POLR2A | 189.2 |  |
| 1 | MYCL1 | T | POLR2A > EZH2 | 38.4 |  |
| 2 | MYCN | T | EZH2 > POLR2A | 7.5 |  |
| 12 | MYF5 | T | neither | 2.1 |  |
| 12 | MYF6 | T | POLR2A | 255.0 |  |
| 3 | MYNN | B | POLR2A | 10.1 |  |
| 11 | MYOD1 | T | EZH2 | 21.7 | 6 |
| 1 | MYOG | T | neither | 58.0 |  |
| 20 | MYT1 | T | EZH2 | 64.7 | 4 |
| 2 | MYT1L | T | neither | 37.0 |  |
| 19 | MZF1 | B | POLR2A | 42.6 |  |
| 12 | NANOG | T | neither | 0.2 |  |
| 2 | NCOA1 | B | POLR2A | 26.8 |  |
| 20 | NCOA3 | B | POLR2A | 23.2 |  |
| 2 | NEUROD1 | T | EZH2 | 306.4 | 7 |
| 12 | NEUROD4 | T | POLR2A | 15.6 |  |
| 7 | NEUROD6 | T | EZH2 | 38.3 | 5 |
| 5 | NEUROG1 | T | EZH2 | 0.2 | 8 |
| 4 | NEUROG2 | T | EZH2 | 3.8 | 5 |
| 10 | NEUROG3 | T | EZH2 | 1.6 | 6 |
| 16 | NFAT5 | B | POLR2A | 15.2 |  |
| 18 | NFATC1 | B | POLR2A + EZH2 | 10.8 |  |
| 16 | NFATC3 | B | POLR2A | 13.8 |  |
| 14 | NFATC4 | B | POLR2A + EZH2 | 49.4 |  |
| 12 | NFE2 | T | POLR2A | 47.4 |  |
| 17 | NFE2L1 | B | POLR2A | 224.8 |  |
| 2 | NFE2L2 | B | POLR2A | 97.7 |  |
| 7 | NFE2L3 | B | POLR2A | 11.2 |  |
| 1 | NFIA | B | POLR2A | 18.5 |  |
| 9 | NFIB | B | POLR2A + EZH2 | 26.4 |  |
| 19 | NFIC | B | POLR2A | 70.1 |  |
| 9 | NFIL3 | B | POLR2A | 125.1 |  |
| 19 | NFIX | B | EZH2 > POLR2A | 82.1 |  |
| 4 | NFKB1 | B | POLR2A | 24.8 |  |
| 10 | NFKB2 | B | POLR2A | 44.1 |  |
| 11 | NFRKB | B | POLR2A | 25.5 |  |
| 9 | NFX1 | B | POLR2A | 24.3 |  |
| 4 | NFXL1 | B | POLR2A | 8.5 |  |
| 6 | NFYA | B | POLR2A | 23.5 |  |
| 12 | NFYB | B | POLR2A | 50.8 |  |
| 1 | NFYC | B | POLR2A | 37.5 |  |
| 1 | NHLH1 | T | POLR2A | 2.3 |  |
| 1 | NHLH2 | T | EZH2 | 7.3 | 7 |
| 23 | NKRF | B | POLR2A | 9.8 |  |
| 14 | NKX2-1 | T | EZH2 | 352.6 | 8 |
| 20 | NKX2-2 | T | EZH2 | 43.8 | 12 |
| 10 | NKX2-3 | T | EZH2 | 71.4 | 10 |
| 20 | NKX2-4 | T | EZH2 | 3.2 | 8 |
| 5 | NKX2-5 | T | EZH2 | 113.7 | 11 |
| 8 | NKX2-6 | T | EZH2 | 1.4 | 4 |
| 14 | NKX2-8 | T | EZH2 | 17.6 | 4 |
| 14 | NKX3-1 | T | EZH2 > POLR2A | 250.5 |  |
| 4 | NKX3-2 | T | EZH2 | 33.0 | 15 |
| 4 | NKX6-1 | T | EZH2 | 125.7 | 10 |
| 10 | NKX6-2 | T | EZH2 | 147.1 | 3 |
| 8 | NKX6-3 | T | EZH2 | 12.7 | 2 |
| 7 | NOBOX | T | neither | 0.9 |  |
| 2 | NOTO | T | EZH2 | 0.2 | 6 |
| 19 | NPAS1 | T | EZH2 | 10.8 | 12 |
| 2 | NPAS2 | B | POLR2A | 26.6 |  |
| 11 | NPAS4 | B | EZH2 + POLR2A | 9.1 |  |
| 23 | NR0B1 | T | EZH2 | 42.5 | 3 |
| 17 | NR1D1 | B | POLR2A | 115.4 |  |
| 3 | NR1D2 | B | POLR2A | 33.7 |  |
| 19 | NR1H2 | B | POLR2A | 110.4 |  |
| 11 | NR1H3 | B | POLR2A | 27.5 |  |
| 12 | NR1H4 | T | POLR2A | 39.1 |  |
| 3 | NR1I2 | T | POLR2A | 42.6 |  |
| 1 | NR1I3 | T | neither | 98.7 |  |
| 12 | NR2C1 | B | POLR2A | 16.5 |  |
| 3 | NR2C2 | B | POLR2A | 21.3 |  |
| 6 | NR2E1 | T | EZH2 | 20.0 | 13 |
| 15 | NR2E3 | T | neither | 0.6 |  |
| 5 | NR2F1 | B | EZH2 | 64.7 | 12 |
| 15 | NR2F2 | B | EZH2 | 66.3 | 11 |
| 19 | NR2F6 | B | POLR2A | 39.0 |  |
| 5 | NR3C1 | B | POLR2A | 24.0 |  |
| 4 | NR3C2 | B | POLR2A + EZH2 | 9.6 |  |
| 12 | NR4A1 | B | POLR2A | 309.2 |  |
| 2 | NR4A2 | B | POLR2A > EZH2 | 26.0 |  |
| 9 | NR4A3 | B/T | POLR2A + EZH2 | 10.0 |  |
| 9 | NR5A1 | T | EZH2 | 221.6 | 8 |
| 1 | NR5A2 | T | EZH2 + POLR2A | 7.8 |  |
| 9 | NR6A1 | B | POLR2A | 3.9 |  |
| 7 | NRF1 | B | POLR2A | 15.6 |  |
| 14 | NRL | B | POLR2A + EZH2 | 2.1 |  |
| 4 | NSD2 | B | POLR2A | 11.0 |  |
| 21 | OLIG2 | T | EZH2 | 34.9 | 12 |
| 6 | OLIG3 | T | EZH2 | 0.1 | 12 |
| 15 | ONECUT1 | T | EZH2 | 5.5 | 8 |
| 18 | ONECUT2 | T | EZH2 | 4.5 | 7 |
| 19 | ONECUT3 | T | EZH2 | 2.6 | 4 |
| 2 | OSR1 | T | EZH2 | 154.1 | 11 |
| 8 | OSR2 | T | EZH2 | 246.1 | 3 |
| 5 | OTP | T | EZH2 | 9.4 | 15 |
| 2 | OTX1 | T | EZH2 + POLR2A | 28.1 |  |
| 14 | OTX2 | T | EZH2 | 24.4 | 10 |
| 11 | OVOL1 | T | EZH2 | 43.5 | 10 |
| 20 | OVOL2 | T | EZH2 | 15.6 | 12 |
| 22 | PATZ1 | B | POLR2A | 24.4 |  |
| 12 | PAWR | B | POLR2A | 26.9 |  |
| 20 | PAX1 | T | EZH2 | 0.6 | 8 |
| 10 | PAX2 | T | EZH2 | 52.8 | 19 |
| 2 | PAX3 | T | EZH2 | 4.6 | 10 |
| 7 | PAX4 | T | EZH2 | 1.3 | 3 |
| 9 | PAX5 | T | EZH2 | 17.6 | 4 |
| 11 | PAX6 | T | EZH2 | 36.9 | 15 |
| 1 | PAX7 | T | EZH2 | 1.7 | 16 |
| 2 | PAX8 | T | POLR2A > EZH2 | 1193.0 |  |
| 14 | PAX9 | T | EZH2 | 81.1 | 4 |
| 1 | PBX1 | B | POLR2A | 45.9 |  |
| 6 | PBX2 | B | POLR2A | 87.8 |  |
| 9 | PBX3 | B | POLR2A | 37.9 |  |
| 19 | PBX4 | B | POLR2A | 7.6 |  |
| 10 | PCGF6 | B | POLR2A | 13.3 |  |
| 13 | PDX1 | T | EZH2 | 9.2 | 15 |
| 11 | PGR | T | EZH2 | 111.0 | 12 |
| 12 | PHB2 | B | POLR2A | 241.9 |  |
| 20 | PHF20 | B | POLR2A | 21.0 |  |
| 11 | PHOX2A | T | EZH2 > POLR2A | 2.7 |  |
| 4 | PHOX2B | T | EZH2 | 4.1 | 4 |
| 5 | PITX1 | T | EZH2 | 816.4 | 14 |
| 4 | PITX2 | T | EZH2 | 24.5 | 12 |
| 10 | PITX3 | T | EZH2 | 9.3 | 7 |
| 21 | PKNOX1 | B | POLR2A | 17.4 |  |
| 11 | PKNOX2 | B | POLR2A + EZH2 | 11.0 |  |
| 8 | PLAG1 | B/T | EZH2 | 4.2 | 5 |
| 6 | PLAGL1 | B | POLR2A + EZH2 | 36.5 |  |
| 20 | PLAGL2 | B | POLR2A | 12.7 |  |
| 2 | PLEK | B | POLR2A | 17.6 |  |
| 3 | POU1F1 | T | neither | 111.3 |  |
| 1 | POU2F1 | B | POLR2A | 8.2 |  |
| 19 | POU2F2 | B | POLR2A | 6.4 |  |
| 11 | POU2F3 | T | POLR2A > EZH2 | 102.4 |  |
| 1 | POU3F1 | T | EZH2 | 34.0 | 12 |
| 6 | POU3F2 | T | EZH2 | 10.7 | 11 |
| 2 | POU3F3 | T | EZH2 | 77.4 | 10 |
| 23 | POU3F4 | T | EZH2 | 28.9 | 2 |
| 13 | POU4F1 | T | EZH2 | 2.1 | 10 |
| 4 | POU4F2 | T | EZH2 | 2.8 | 4 |
| 5 | POU4F3 | T | EZH2 | 0.1 | 5 |
| 6 | POU5F1 | B | POLR2A | 6.3 |  |
| 12 | POU6F1 | B | POLR2A | 24.0 |  |
| 7 | POU6F2 | T | EZH2 | 1.9 | 4 |
| 6 | PPARD | B | POLR2A | 43.5 |  |
| 3 | PPARG | B | POLR2A | 11.0 |  |
| 6 | PRDM1 | B | POLR2A | 19.6 |  |
| 11 | PRDM10 | B | POLR2A | 7.0 |  |
| 9 | PRDM12 | T | EZH2 | 0.8 | 15 |
| 6 | PRDM13 | T | EZH2 | 0.4 | 10 |
| 8 | PRDM14 | T | EZH2 | 0.9 | 12 |
| 21 | PRDM15 | B | POLR2A | 5.9 |  |
| 1 | PRDM16 | T | EZH2 | 20.5 | 6 |
| 1 | PRDM2 | B | POLR2A | 26.5 |  |
| 12 | PRDM4 | B | POLR2A | 23.2 |  |
| 4 | PRDM5 | B | POLR2A | 5.3 |  |
| 5 | PRDM6 | T | EZH2 | 35.5 | 16 |
| 16 | PRDM7 | T | POLR2A | 4.0 |  |
| 4 | PRDM8 | T/B | EZH2 | 25.7 | 12 |
| 5 | PRDM9 | T | POLR2A- | 6.9 |  |
| 2 | PREB | B | POLR2A | 92.7 |  |
| 5 | PROP1 | T | EZH2 | 2.0 | 3 |
| 1 | PROX1 | T | EZH2 + POLR2A | 30.5 |  |
| 14 | PROX2 | B | neither | 24.7 |  |
| 1 | PRRX1 | T | EZH2 | 88.5 | 12 |
| 9 | PRRX2 | T | EZH2 | 46.7 | 4 |
| 10 | PTF1A | T | EZH2 | 30.3 | 4 |
| 17 | RARA | B | POLR2A | 42.6 |  |
| 3 | RARB | B | POLR2A | 12.7 |  |
| 12 | RARG | B | POLR2A | 36.4 |  |
| 18 | RAX | T | EZH2 | 0.3 | 15 |
| 19 | RAX2 | T | neither | 1.9 |  |
| 7 | RBAK | B | POLR2A | 8.8 |  |
| 4 | RBPJ | B | POLR2A | 35.0 |  |
| 20 | RBPJL | T | EZH2 | 666.8 | 4 |
| 9 | RC3H2 | B | POLR2A | 14.3 |  |
| 14 | RCOR1 | B | POLR2A | 28.2 |  |
| 11 | RCOR2 | T | POLR2A + EZH2 | 13.2 |  |
| 1 | RCOR3 | B | POLR2A | 29.8 |  |
| 2 | REL | B | POLR2A | 8.3 |  |
| 11 | RELA | B | POLR2A | 88.4 |  |
| 19 | RELB | B | POLR2A | 15.0 |  |
| 1 | RERE | B | POLR2A | 79.1 |  |
| 4 | REST | B | POLR2A | 13.1 |  |
| 19 | RFX1 | B | POLR2A | 22.6 |  |
| 19 | RFX2 | B | POLR2A | 19.1 |  |
| 9 | RFX3 | B | POLR2A | 8.3 |  |
| 12 | RFX4 | T | EZH2 | 92.0 | 12 |
| 1 | RFX5 | B | POLR2A | 30.9 |  |
| 6 | RFX6 | T | EZH2 | 1.8 | 8 |
| 19 | RFXANK | B | POLR2A | 48.2 |  |
| 23 | RHOXF1 | B | neither | 5.3 |  |
| 23 | RHOXF2 | T | neither | 5.5 |  |
| 1 | RLF | B | POLR2A | 20.8 |  |
| 15 | RORA | B | EZH2 + POLR2A | 30.6 |  |
| 9 | RORB | T | EZH2 | 17.0 | 12 |
| 1 | RORC | T | POLR2A | 47.7 |  |
| 6 | RREB1 | B | POLR2A | 27.2 |  |
| 21 | RUNX1 | B | POLR2A | 13.1 |  |
| 6 | RUNX2 | B | POLR2A | 9.9 |  |
| 1 | RUNX3 | B | POLR2A | 14.2 |  |
| 6 | RXRB | B | POLR2A | 74.6 |  |
| 1 | RXRG | T | EZH2 | 43.1 | 8 |
| 16 | SALL1 | T | EZH2 | 50.8 | 4 |
| 14 | SALL2 | B | POLR2A | 88.2 |  |
| 18 | SALL3 | T | EZH2 | 8.8 | 3 |
| 20 | SALL4 | T | POLR2A | 11.9 |  |
| 3 | SATB1 | B | EZH2 + POLR2A | 24.2 |  |
| 2 | SATB2 | T | EZH2 + POLR2A | 4.4 | 10 |
| 8 | SCRT1 | T | EZH2 | 140.7 | 4 |
| 20 | SCRT2 | T | EZH2 | 6.9 | 6 |
| 17 | SEBOX | T | POLR2A | 0.3 |  |
| 3 | SHOX2 | T | EZH2 | 26.1 | 16 |
| 6 | SIM1 | T | EZH2 | 5.8 | 14 |
| 21 | SIM2 | T | EZH2 | 40.7 | 10 |
| 14 | SIX1 | T | EZH2 | 30.5 | 10 |
| 2 | SIX2 | T | EZH2 + POLR2A | 22.7 |  |
| 2 | SIX3 | T | EZH2 | 52.0 | 15 |
| 14 | SIX4 | B | POLR2A | 5.4 |  |
| 19 | SIX5 | B | POLR2A | 41.3 |  |
| 14 | SIX6 | T | EZH2 | 55.2 | 8 |
| 1 | SKI | B | POLR2A | 104.4 |  |
| 3 | SKIL | B | POLR2A | 20.0 |  |
| 15 | SKOR1 | T | EZH2 | 13.6 | 14 |
| 4 | SMAD1 | B | POLR2A | 12.8 |  |
| 18 | SMAD2 | B | POLR2A | 6.8 |  |
| 15 | SMAD3 | B | POLR2A | 55.2 |  |
| 18 | SMAD4 | B | POLR2A | 32.3 |  |
| 5 | SMAD5 | B | POLR2A | 26.8 |  |
| 13 | SMAD9 | B | EZH2 + POLR2A | 16.9 |  |
| 20 | SNAI1 | B | POLR2A | 16.3 |  |
| 8 | SNAI2 | B | POLR2A>EZH2 | 98.7 |  |
| 16 | SNAI3 | B | POLR2A | 4.8 |  |
| 9 | SNAPC4 | B | POLR2A | 24.0 |  |
| 9 | SOHLH1 | T | EZH2 | 40.2 | 1 |
| 13 | SOX1 | T | EZH2 | 5.2 | 1 |
| 22 | SOX10 | T | POLR2A + EZH2 | 0.9 |  |
| 2 | SOX11 | T | EZH2 | 2.3 | 7 |
| 20 | SOX12 | B | POLR2A | 20.6 |  |
| 1 | SOX13 | B | POLR2A | 54.1 |  |
| 3 | SOX14 | T | EZH2 | 0.6 | 12 |
| 17 | SOX15 | B | POLR2A | 51.6 |  |
| 8 | SOX17 | T | EZH2 > POLR2A | 47.3 |  |
| 20 | SOX18 | B | EZH2 + POLR2A | 51.7 |  |
| 3 | SOX2 | T | EZH2 + POLR2A | 68.0 |  |
| 13 | SOX21 | T | EZH2 | 27.1 | 8 |
| 23 | SOX3 | T | EZH2 + POLR2A | 5.6 |  |
| 5 | SOX30 | T | POLR2A- | 137.0 |  |
| 6 | SOX4 | B | POLR2A > EZH2 | 26.8 |  |
| 12 | SOX5 | B | POLR2A | 6.4 |  |
| 11 | SOX6 | B | POLR2A | 8.0 |  |
| 8 | SOX7 | B | EZH2 + POLR2A | 34.2 |  |
| 16 | SOX8 | T | EZH2 | 124.9 | 3 |
| 17 | SOX9 | B | POLR2A > EZH2 | 33.2 |  |
| 12 | SP1 | B | POLR2A | 45.3 |  |
| 2 | SP100 | B | POLR2A | 48.5 |  |
| 2 | SP110 | B | POLR2A | 19.7 |  |
| 17 | SP2 | B | POLR2A | 22.4 |  |
| 2 | SP3 | B | POLR2A | 36.8 |  |
| 7 | SP4 | B | POLR2A | 7.7 |  |
| 2 | SP5 | T | POLR2A + EZH2 | 27.7 |  |
| 17 | SP6 | T | EZH2 | 22.5 | 8 |
| 12 | SP7 | T | EZH2 | 1.6 | 4 |
| 7 | SP8 | T | EZH2 | 4.9 | 6 |
| 6 | SPDEF | T | POLR2A | 211.8 |  |
| 11 | SPI1 | B | POLR2A | 27.0 |  |
| 19 | SPIB | T | POLR2A + EZH2 | 21.9 |  |
| 12 | SPIC | T | neither | 23.3 |  |
| 17 | SREBF1 | B | POLR2A | 115.4 |  |
| 22 | SREBF2 | B | POLR2A | 90.1 |  |
| 6 | SRF | B | POLR2A | 99.7 |  |
| 24 | SRY | T | neither | 4.5 |  |
| 8 | ST18 | T | neither | 33.2 |  |
| 2 | STAT1 | B | POLR2A | 45.1 |  |
| 12 | STAT2 | B | POLR2A | 109.9 |  |
| 17 | STAT3 | B | POLR2A | 101.4 |  |
| 2 | STAT4 | B | POLR2A | 24.0 |  |
| 17 | STAT5A | B | POLR2A | 47.3 |  |
| 17 | STAT5B | B | POLR2A | 72.2 |  |
| 12 | STAT6 | B | POLR2A | 161.8 |  |
| 17 | SUZ12 | B | POLR2A | 20.4 |  |
| 1 | TAL1 | T/B | EZH2 > POLR2A | 11.7 |  |
| 9 | TAL2 | B | neither | 0.7 |  |
| 7 | TAX1BP1 | B | POLR2A | 34.3 |  |
| 2 | TBR1 | T | EZH2 | 42.0 | 14 |
| 22 | TBX1 | T | EZH2 | 34.8 | 12 |
| 11 | TBX10 | T | POLR2A | 5.2 |  |
| 1 | TBX15 | T | EZH2 | 77.9 | 9 |
| 6 | TBX18 | T | EZH2 | 46.7 | 7 |
| 1 | TBX19 | B | POLR2A | 17.7 |  |
| 17 | TBX2 | B | EZH2 > POLR2A | 130.4 |  |
| 7 | TBX20 | T | EZH2 | 20.7 | 8 |
| 17 | TBX21 | T | EZH2 + POLR2A | 18.5 |  |
| 23 | TBX22 | T | EZH2 | 38.6 | 3 |
| 12 | TBX3 | B | EZH2 > POLR2A | 62.3 |  |
| 17 | TBX4 | T | EZH2 | 54.1 | 15 |
| 12 | TBX5 | T | EZH2 | 71.0 | 8 |
| 16 | TBX6 | B | POLR2A | 3.8 |  |
| 6 | TBXT | T | EZH2 | 1.4 | 10 |
| 15 | TCF12 | B | POLR2A | 26.0 |  |
| 20 | TCF15 | T | EZH2 > POLR2A | 11.7 |  |
| 6 | TCF19 | B | POLR2A | 15.8 |  |
| 22 | TCF20 | B | neither | 18.6 |  |
| 6 | TCF21 | T | EZH2 | 73.6 | 10 |
| 2 | TCF23 | T | POLR2A | 103.4 |  |
| 8 | TCF24 | T | EZH2 | 2.8 | 15 |
| 16 | TCF25 | B | POLR2A | 75.0 |  |
| 19 | TCF3 | B | POLR2A | 36.3 |  |
| 18 | TCF4 | B | POLR2A | 24.0 |  |
| 5 | TCF7 | B | POLR2A | 12.1 |  |
| 2 | TCF7L1 | B | POLR2A + EZH2 | 38.9 |  |
| 10 | TCF7L2 | B | POLR2A | 26.1 |  |
| 20 | TCFL5 | B | POLR2A | 22.7 |  |
| 19 | TEAD2 | B | POLR2A | 32.7 |  |
| 6 | TEAD3 | B | POLR2A | 108.9 |  |
| 12 | TEAD4 | B | POLR2A | 12.6 |  |
| 22 | TEF | B | POLR2A | 38.3 |  |
| 16 | TERB1 | T | POLR2A | 17.4 |  |
| 10 | TFAM | B | POLR2A | 12.0 |  |
| 6 | TFAP2A | T | EZH2 + POLR2A | 63.2 |  |
| 6 | TFAP2B | T | EZH2 | 17.4 | 12 |
| 20 | TFAP2C | T | EZH2 > POLR2A | 81.2 |  |
| 6 | TFAP2D | T | EZH2 | 0.4 | 12 |
| 1 | TFAP2E | B | POLR2A + EZH2 | 76.9 |  |
| 16 | TFAP4 | B | POLR2A | 18.2 |  |
| 12 | TFCP2 | B | POLR2A | 27.6 |  |
| 23 | TFCP2L1 | B/T | POLR2A + EZH2 | 146.6 |  |
| 13 | TFDP1 | B | POLR2A | 35.0 |  |
| 3 | TFDP2 | B | POLR2A | 21.2 |  |
| 23 | TFDP3 | T | neither | 9.6 |  |
| 23 | TFE3 | B | POLR2A | 96.9 |  |
| 6 | TFEB | B | POLR2A | 20.4 |  |
| 7 | TFEC | T | neither | 8.6 |  |
| 18 | TGIF1 | B | POLR2A | 18.3 |  |
| 23 | TGIF2LX | T | POLR2A | 12.6 |  |
| 24 | TGIF2LY | T | neither | 5.5 |  |
| 15 | THAP10 | B | POLR2A | 9.8 |  |
| 1 | THAP3 | B | POLR2A | 18.7 |  |
| 17 | THRA | B | POLR2A | 48.6 |  |
| 3 | THRB | B | POLR2A + EZH2 | 15.5 |  |
| 10 | TLX1 | T | EZH2 | 74.2 | 14 |
| 2 | TLX2 | T | EZH2 | 2.5 | 9 |
| 5 | TLX3 | T | EZH2 | 48.3 | 8 |
| 1 | TOE1 | B | POLR2A | 18.0 |  |
| 8 | TOX | T | POLR2A + EZH2 | 22.4 |  |
| 20 | TOX2 | B | EZH2 + POLR2A | 25.2 |  |
| 16 | TOX3 | T | POLR2A + EZH2 | 11.0 |  |
| 14 | TOX4 | B | POLR2A | 44.6 |  |
| 17 | TP53 | B | POLR2A | 32.4 |  |
| 3 | TP63 | T | POLR2A | 138.9 |  |
| 1 | TP73 | T | POLR2A | 11.0 |  |
| 19 | TPRX1 | T | neither | 2.8 |  |
| 6 | TRERF1 | B | POLR2A | 10.1 |  |
| 8 | TRPS1 | B | POLR2A | 15.4 |  |
| 13 | TSC22D1 | B | POLR2A | 166.2 |  |
| 23 | TSC22D3 | B | POLR2A | 404.8 |  |
| 7 | TSC22D4 | B | POLR2A | 258.4 |  |
| 18 | TSHZ1 | B | POLR2A | 37.3 |  |
| 20 | TSHZ2 | T | POLR2A | 14.0 |  |
| 19 | TSHZ3 | T | POLR2A + EZH2 | 67.3 |  |
| 11 | TUB | B | EZH2 | 43.7 | 10 |
| 7 | TWIST1 | T | EZH2 > POLR2A | 42.0 |  |
| 3 | UBP1 | B | POLR2A | 54.8 |  |
| 17 | UBTF | B | POLR2A | 43.2 |  |
| 7 | UNCX | T | EZH2 | 43.4 | 10 |
| 16 | UNKL | B | POLR2A | 17.0 |  |
| 1 | USF1 | B | POLR2A | 64.7 |  |
| 19 | USF2 | B | POLR2A | 127.8 |  |
| 10 | VAX1 | T | EZH2 | 1.6 | 12 |
| 2 | VAX2 | T/B | EZH2 + POLR2A | 19.2 |  |
| 12 | VDR | B | POLR2A + EZH2 | 17.9 |  |
| 10 | VENTX | B/T | EZH2 | 6.7 | 4 |
| 17 | VEZF1 | B | POLR2A | 42.3 |  |
| 20 | VSX1 | T | EZH2 | 20.9 | 8 |
| 14 | VSX2 | T | EZH2 | 0.7 | 19 |
| 14 | WDHD1 | B | POLR2A | 2.5 |  |
| 19 | WIZ | B | POLR2A > EZH2 | 32.0 |  |
| 11 | WT1 | T | EZH2 | 109.8 | 12 |
| 22 | XBP1 | B | POLR2A | 286.0 |  |
| 1 | YBX1 | B | POLR2A | 617.0 |  |
| 1 | YBX2 | T | POLR2A | 1335.0 | 5 |
| 12 | YBX3 | B | POLR2A | 250.4 |  |
| 14 | YY1 | B | POLR2A | 34.3 |  |
| 23 | YY2 | B | neither | 7.3 |  |
| 23 | ZBED1 | B | POLR2A | 0.1 |  |
| 22 | ZBED4 | B | POLR2A > EZH2 | 8.7 |  |
| 20 | ZBP1 | T | EZH2 + POLR2A | 17.6 |  |
| 14 | ZBTB1 | B | POLR2A | 31.1 |  |
| 3 | ZBTB11 | B | POLR2A | 11.7 |  |
| 18 | ZBTB14 | B | POLR2A | 10.8 |  |
| 11 | ZBTB16 | B | EZH2 > POLR2A | 35.6 |  |
| 1 | ZBTB17 | B | POLR2A | 33.8 |  |
| 1 | ZBTB18 | B | POLR2A | 371.5 |  |
| 6 | ZBTB2 | B | POLR2A | 14.9 |  |
| 3 | ZBTB20 | B | POLR2A | 1.4 |  |
| 21 | ZBTB21 | B | POLR2A | 9.1 |  |
| 6 | ZBTB24 | B | POLR2A | 7.8 |  |
| 19 | ZBTB32 | T | POLR2A | 109.3 |  |
| 23 | ZBTB33 | B | POLR2A | 12.3 |  |
| 9 | ZBTB34 | B | POLR2A | 11.5 |  |
| 3 | ZBTB38 | B | POLR2A | 18.8 |  |
| 12 | ZBTB39 | B | POLR2A | 5.1 |  |
| 17 | ZBTB4 | B | POLR2A | 76.3 |  |
| 1 | ZBTB41 | B | POLR2A | 9.2 |  |
| 9 | ZBTB43 | B | POLR2A | 13.3 |  |
| 19 | ZBTB45 | B | POLR2A | 14.9 |  |
| 20 | ZBTB46 | B | EZH2 + POLR2A | 16.1 |  |
| 3 | ZBTB47 | B | POLR2A | 75.9 |  |
| 1 | ZBTB48 | B | POLR2A | 29.7 |  |
| 9 | ZBTB5 | B | POLR2A | 19.4 |  |
| 19 | ZBTB7A | B | POLR2A | 33.5 |  |
| 1 | ZBTB7B | B | POLR2A | 69.5 |  |
| 1 | ZC3H11A | B | POLR2A | 2.2 |  |
| 2 | ZC3H15 | B | POLR2A | 47.9 |  |
| 8 | ZC3H3 | B | POLR2A | 30.2 |  |
| 9 | TUT7 | B | POLR2A | 16.1 |  |
| 10 | ZEB1 | B | POLR2A | 40.8 |  |
| 2 | ZEB2 | B | EZH2 + POLR2A | 26.5 |  |
| 8 | ZFAT | B | POLR2A | 8.3 |  |
| 14 | ZFHX2 | B | POLR2A | 4.2 |  |
| 16 | ZFHX3 | B | EZH2 + POLR2A | 26.0 |  |
| 9 | ZFP37 | B | EZH2 > POLR2A | 3.9 |  |
| 20 | ZFP64 | B | POLR2A | 6.8 |  |
| 16 | ZFPM1 | B | POLR2A | 5.9 |  |
| 8 | ZFPM2 | B | POLR2A > EZH2 | 8.6 |  |
| 23 | ZFX | B | POLR2A | 12.7 |  |
| 24 | ZFY | B | POLR2A | 5.1 |  |
| 14 | ZFYVE26 | B | POLR2A | 10.7 |  |
| 8 | ZHX1 | B | POLR2A | 17.6 |  |
| 8 | ZHX2 | B | EZH2 + POLR2A | 40.5 |  |
| 20 | ZHX3 | B | POLR2A | 26.4 |  |
| 3 | ZIC1 | T | EZH2 | 426.0 | 8 |
| 13 | ZIC2 | T | POLR2A+ EZH2+ | 298.1 |  |
| 23 | ZIC3 | T | EZH2 | 27.6 | 6 |
| 3 | ZIC4 | T | EZH2 | 164.0 | 4 |
| 13 | ZIC5 | T | EZH2 | 53.9 | 6 |
| 19 | ZIK1 | B | POLR2A + EZH2 | 4.6 |  |
| 19 | ZIM3 | T | neither | 1.0 |  |
| 19 | ZKSCAN1 | B | POLR2A | 35.1 |  |
| 16 | ZKSCAN2 | B | POLR2A | 2.8 |  |
| 6 | ZKSCAN3 | B | POLR2A | 6.7 |  |
| 11 | ZKSCAN4 | B | POLR2A | 8.8 |  |
| 7 | ZKSCAN5 | B | POLR2A | 8.5 |  |
| 23 | ZMAT1 | B | POLR2A | 35.8 |  |
| 3 | ZMAT3 | B | POLR2A | 14.3 |  |
| 12 | ZNF10 | B | POLR2A | 12.5 |  |
| 7 | ZNF12 | B | POLR2A | 16.1 |  |
| 5 | ZNF131 | B | POLR2A | 12.0 |  |
| 19 | ZNF134 | B | POLR2A | 10.1 |  |
| 19 | ZNF136 | B | POLR2A | 10.5 |  |
| 11 | ZNF143 | B | POLR2A | 13.9 |  |
| 19 | ZNF146 | B | POLR2A | 57.0 |  |
| 3 | ZNF148 | B | POLR2A | 15.9 |  |
| 23 | ZNF157 | T | neither | 2.6 |  |
| 8 | ZNF16 | B | POLR2A | 13.3 |  |
| 16 | ZNF174 | B | POLR2A | 11.3 |  |
| 19 | ZNF175 | B | POLR2A | 8.2 |  |
| 6 | ZNF184 | B | POLR2A | 8.0 |  |
| 11 | ZNF202 | B | POLR2A | 12.5 |  |
| 20 | ZNF217 | B | POLR2A | 20.9 |  |
| 14 | ZNF219 | B | POLR2A | 39.2 |  |
| 19 | ZNF224 | B | POLR2A | 19.2 |  |
| 18 | ZNF24 | B | POLR2A | 26.2 |  |
| 8 | ZNF251 | B | POLR2A | 48.1 |  |
| 19 | ZNF256 | B | POLR2A | 8.3 |  |
| 19 | ZNF260 | B | POLR2A | 7.8 |  |
| 16 | ZNF276 | B | POLR2A | 27.4 |  |
| 22 | ZNF280A | T | neither | 1.9 |  |
| 1 | ZNF281 | B | POLR2A | 11.5 |  |
| 7 | ZNF282 | B | POLR2A | 29.8 |  |
| 6 | ZNF292 | B | POLR2A | 14.2 |  |
| 19 | ZNF296 | B | POLR2A | 9.2 |  |
| 5 | ZNF300 | B | POLR2A | 8.9 |  |
| 19 | ZNF304 | B | POLR2A | 9.3 |  |
| 16 | ZNF319 | B | POLR2A | 12.1 |  |
| 10 | ZNF32 | B | POLR2A | 86.5 |  |
| 6 | ZNF322 | B | POLR2A | 4.6 |  |
| 19 | ZNF333 | B | POLR2A | 15.2 |  |
| 20 | ZNF335 | B | POLR2A | 21.8 |  |
| 20 | ZNF341 | B | POLR2A | 6.8 |  |
| 19 | ZNF350 | B | POLR2A | 9.5 |  |
| 5 | ZNF354A | B | POLR2A | 12.4 |  |
| 5 | ZNF354B | B | POLR2A | 15.7 |  |
| 5 | ZNF354C | B | POLR2A | 6.3 |  |
| 1 | ZNF362 | B | POLR2A | 46.3 |  |
| 10 | ZNF365 | T | EZH2 | 36.5 | 10 |
| 5 | ZNF366 | B | POLR2A | 2.4 |  |
| 9 | ZNF367 | B | POLR2A | 3.2 |  |
| 10 | ZNF37A | B | POLR2A | 9.5 |  |
| 19 | ZNF382 | B | POLR2A | 5.7 |  |
| 12 | ZNF384 | B | POLR2A | 43.6 |  |
| 7 | ZNF394 | B | POLR2A | 23.5 |  |
| 7 | ZNF398 | B | POLR2A | 11.0 |  |
| 14 | ZNF410 | B | POLR2A | 17.9 |  |
| 19 | ZNF415 | B | POLR2A | 9.0 |  |
| 19 | ZNF418 | B | POLR2A | 6.0 |  |
| 16 | ZNF423 | B | POLR2A | 4.9 |  |
| 7 | ZNF425 | B | POLR2A | 3.8 |  |
| 19 | ZNF426 | B | POLR2A | 5.8 |  |
| 19 | ZNF430 | B | POLR2A | 4.2 |  |
| 19 | ZNF431 | B | POLR2A | 7.2 |  |
| 10 | ZNF438 | B | POLR2A | 14.9 |  |
| 19 | ZNF444 | B | POLR2A | 38.7 |  |
| 3 | ZNF445 | B | POLR2A | 5.5 |  |
| 7 | ZNF467 | B | POLR2A | 21.0 |  |
| 19 | ZNF480 | B | POLR2A | 6.0 |  |
| 10 | ZNF488 | T | POLR2A | 83.6 |  |
| 1 | ZNF496 | B | POLR2A | 17.9 |  |
| 4 | ZBTB49 | B | POLR2A | 5.9 |  |
| 9 | ZNF510 | B | POLR2A | 7.4 |  |
| 2 | ZNF513 | B | POLR2A | 46.8 |  |
| 18 | ZNF516 | B | POLR2A | 30.0 |  |
| 18 | ZNF521 | B | EZH2 | 12.3 | 10 |
| 19 | ZNF536 | T | POLR2A | 17.1 |  |
| 19 | ZNF551 | B | POLR2A | 9.7 |  |
| 19 | ZNF568 | B | POLR2A | 3.5 |  |
| 1 | ZNF593 | B | POLR2A | 1.3 |  |
| 16 | ZNF598 | B | POLR2A | 54.0 |  |
| 19 | ZNF606 | B | POLR2A | 7.8 |  |
| 5 | ZNF608 | B | POLR2A | 11.5 |  |
| 15 | ZNF609 | B | POLR2A | 19.8 |  |
| 5 | ZNF622 | B | POLR2A | 34.0 |  |
| 19 | ZNF628 | B | POLR2A | 8.2 |  |
| 2 | ZNF638 | B | POLR2A | 47.5 |  |
| 12 | ZNF641 | B | POLR2A | 13.7 |  |
| 1 | ZPF69 | B | POLR2A | 3.9 |  |
| 1 | ZNF644 | B | POLR2A | 13.8 |  |
| 19 | ZNF649 | B | POLR2A | 6.0 |  |
| 17 | ZNF652 | B | POLR2A | 15.7 |  |
| 19 | ZNF653 | B | POLR2A | 9.7 |  |
| 9 | ZNF658 | B | POLR2A | 2.1 |  |
| 1 | ZNF683 | T | neither | 126.1 |  |
| 1 | ZNF691 | B | POLR2A | 17.4 |  |
| 19 | ZNF699 | B | POLR2A | 2.9 |  |
| 8 | ZNF703 | B | POLR2A | 73.9 |  |
| 8 | ZNF704 | B | POLR2A | 12.9 |  |
| 8 | ZNF706 | B | POLR2A | 44.0 |  |
| 15 | ZNF710 | B | POLR2A | 15.7 |  |
| 23 | ZNF711 | B | POLR2A | 19.4 |  |
| 12 | ZNF740 | B | POLR2A | 21.3 |  |
| 7 | ZNF746 | B | POLR2A | 9.6 |  |
| 17 | ZNF750 | T | POLR2A | 204.1 |  |
| 7 | ZNF777 | B | POLR2A | 19.6 |  |
| 9 | ZNF782 | B | POLR2A | 3.6 |  |
| 7 | ZNF786 | B | POLR2A | 8.3 |  |
| 19 | ZNF8 | B | POLR2A | 5.5 |  |
| 16 | ZNF821 | B | POLR2A | 11.6 |  |
| 19 | ZNF829 | B | POLR2A | 2.2 |  |
| 17 | ZNF830 | B | POLR2A | 20.8 |  |
| 20 | ZNF831 | T | POLR2A | 4.2 |  |
| 19 | ZNF837 | B | POLR2A | 5.6 |  |
| 19 | ZNF845 | B | POLR2A | 4.4 |  |
| 19 | ZNF91 | B | POLR2A | 7.6 |  |
| 19 | ZNF93 | B | POLR2A | 2.9 |  |
| 19 | ZSCAN1 | T | POLR2A | 11.6 |  |
| 16 | ZSCAN10 | T | POLR2A | 0.5 |  |
| 6 | ZSCAN12 | B | neither | 7.4 |  |
| 6 | ZSCAN16 | B | POLR2A | 11.5 |  |
| 15 | ZSCAN2 | B | POLR2A | 4.6 |  |
| 19 | ZSCAN20 | B | POLR2A | 2.3 |  |
| 7 | ZSCAN21 | B | POLR2A | 11.6 |  |
| 19 | ZSCAN22 | B | POLR2A | 3.6 |  |
| 6 | ZSCAN23 | B | POLR2A | 1.7 |  |
| 15 | ZSCAN29 | B | POLR2A | 12.1 |  |
| 19 | ZSCAN4 | T | neither | 0.7 |  |
| 19 | ZSCAN5A | T | POLR2A | 2.2 |  |
| 23 | ZXDA | B | POLR2A | 3.8 |  |
| 23 | ZXDB | B | POLR2A | 6.4 |  |
| 1 | ZZZ3 | B | POLR2A | 14.6 |  |

**Supplementary Table 1:** All database transcription factor genes with information regarding broadly vs. targeted expression, EZH2 vs POLR2A in the promoter; gene expression level and EZH2 binding in the promoter (1018 genes).

B: broadly expressed gene; T tissue targeted gene; Gene Expression: transcripts per million (TPM); EZH2 binding in ChIP experiment; signal p-value

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Gene** | **B/T** | **POLR2A/EZH2** |
| 185 | ABCA1 | B | POLR2A |
| 86 | ABHD17B | B | POLR2A |
| 1 | ACO1 | B | POLR2A |
| 115 | AGTPBP1 | B | POLR2A |
| 90 | ALDH1A1 | B | POLR2A |
| 72 | ALDH1B1 | B | POLR2A |
| 75 | ANKRD18A | T | POLR2A + EZH2 |
| 14 | ANKRD18B | T | EZH2 + POLR2A |
| 170 | ANKS6 | B | POLR2A |
| 165 | ANP32B | B | POLR2A |
| 91 | ANXA1 | B | POLR2A |
| 147 | AOPEP | B | POLR2A |
| 4 | APTX | B | POLR2A |
| 11 | AQP7 | T | POLR2A |
| 26 | ARID3C | T | EZH2 |
| 126 | AUH | B | POLR2A |
| 7 | B4GALT1 | B | POLR2A |
| 181 | BAAT | T | POLR2A |
| 8 | BAG1 | B | POLR2A |
| 134 | BICD2 | B | POLR2A |
| 53 | C9orf128 | B | POLR2A |
| 33 | C9orf131 | T | neither |
| 111 | C9orf64 | B | POLR2A |
| 87 | C9orf85 | B | POLR2A |
| 44 | CA9 | T | POLR2A |
| 94 | CARNMT1 | B | POLR2A |
| 179 | CAVIN4 | T | POLR2A |
| 43 | CCDC107 | B | POLR2A |
| 158 | CCDC180 | B | POLR2A |
| 41 | CD72 | T | POLR2A |
| 155 | CDC14B | B | POLR2A- |
| 131 | CENPP | B | POLR2A |
| 9 | CHMP5 | B | POLR2A |
| 57 | CLTA | B | POLR2A |
| 24 | CNTFR | B | EZH2 |
| 77 | CNTNAP3 | B | neither |
| 172 | COL15A1 | B | EZH2 |
| 167 | CORO2A | T | POLR2A |
| 47 | CREB3 | B | POLR2A |
| 119 | DAPK1 | B | POLR2A |
| 69 | DCAF10 | B | POLR2A |
| 18 | DCAF12 | B | POLR2A |
| 25 | DCTN3 | B | POLR2A |
| 2 | DDX58 | B | POLR2A |
| 23 | DNAI1 | T | POLR2A |
| 5 | DNAJA1 | B | POLR2A |
| 32 | DNAJB5 | B | POLR2A |
| 132 | ECM2 | B | neither |
| 150 | ERCC6L2 | B | POLR2A |
| 176 | ERP44 | B | POLR2A |
| 140 | FAM120A | B | POLR2A |
| 29 | FAM205A | T | EZH2 |
| 30 | FAM205C | T | neither |
| 36 | FAM214B | B | POLR2A |
| 22 | FAM219A | B | POLR2A |
| 54 | FAM221B | T | POLR2A |
| 76 | FAM240B | T | neither |
| 74 | FAM95C | B | POLR2A |
| 148 | FANCC | B | POLR2A |
| 146 | FBP1 | T | EZH2 + POLR2A |
| 66 | FBXO10 | B | POLR2A |
| 136 | FGD3 | B | POLR2A |
| 106 | FRMD3 | B | EZH2 + POLR2A |
| 67 | FRMPD1 | T | EZH2 |
| 187 | FSD1L | B | POLR2A |
| 169 | GABBR2 | T | EZH2 |
| 171 | GALNT12 | T | POLR2A |
| 27 | GALT | B | POLR2A |
| 48 | GBA2 | B | POLR2A |
| 98 | GCNT1 | B | POLR2A |
| 88 | GDA | T | POLR2A + EZH2 |
| 109 | GKAP1 | B | POLR2A |
| 56 | GLIPR2 | B | EZH2 + POLR2A |
| 101 | GNA14 | B | EZH2 |
| 102 | GNAQ | B | POLR2A |
| 58 | GNE | B | POLR2A |
| 117 | GOLM1 | B | POLR2A + EZH2 |
| 63 | GRHPR | B | POLR2A |
| 184 | GRIN3A | T | EZH2 |
| 154 | HABP4 | B | POLR2A |
| 151 | HSD17B3 | B | neither |
| 129 | IARS1 | B | POLR2A |
| 107 | IDNK | B | POLR2A |
| 73 | IGFBPL1 | T | EZH2 |
| 28 | IL11RA | B | POLR2A |
| 177 | INVS | B | POLR2A |
| 133 | IPPK | B | POLR2A |
| 80 | KGFLP2 | B | neither |
| 31 | KIAA1045 | T | EZH2 |
| 20 | KIF24 | B | POLR2A |
| 110 | KIF27 | B | POLR2A |
| 83 | KLF9 | B | POLR2A |
| 81 | MAMDC2 | T | POLR2A |
| 60 | MELK | T | POLR2A |
| 144 | MFSD14B | B | POLR2A |
| 116 | NAA35 | B | POLR2A |
| 161 | NCBP1 | B | POLR2A |
| 3 | NDUFB6 | B | POLR2A |
| 10 | NFX | B | POLR2A |
| 138 | NINJ1 | B | POLR2A |
| 95 | NMRK1 | B | POLR2A |
| 12 | NOL6 | B | POLR2A |
| 130 | NOL8 | B | POLR2A |
| 50 | NPR2 | B | POLR2A- |
| 174 | NR4A3 | T | EZH2 +POLR2A |
| 114 | NTRK2 | B | EZH2 |
| 21 | NUDT2 | B | POLR2A |
| 143 | NUTM2F | T | neither |
| 96 | OSTF1 | B | POLR2A |
| 61 | PAX5 | T | EZH2 |
| 145 | PCAT7 | T | POLR2A |
| 97 | PCSK5 | B | POLR2A |
| 141 | PHF2 | B | POLR2A |
| 35 | PIGO | B | POLR2A |
| 180 | PLPPR1 | T | EZH2 |
| 65 | POLR1E | B | POLR2A |
| 15 | PRSS3 | T | POLR2A |
| 99 | PRUNE2 | B | POLR2A |
| 149 | PTCH1 | B | POLR2A |
| 163 | PTCSC2 | T | EZH2 |
| 142 | PTPDC1 | B | POLR2A |
| 105 | RASEF | T | EZH2 + POLR2A |
| 55 | RECK | B | POLR2A |
| 49 | RGP1 | B | POLR2A |
| 112 | RMI1 | B | POLR2A |
| 183 | RNF20 | B | POLR2A |
| 59 | RNF38 | B | POLR2A |
| 127 | ROR2 | T | EZH2 + POLR2A |
| 92 | RORB | T | EZH2 |
| 39 | RUSC2 | B | POLR2A |
| 123 | SEMA4D | B | POLR2A |
| 71 | SHB | B | EZH2 + POLR2A |
| 122 | SHC3 | T | EZH2 + POLR2A |
| 42 | SIT1 | T | POLR2A |
| 70 | SLC25A51 | B | POLR2A |
| 113 | SLC28A3 | T | POLR2A |
| 152 | SLC35D2 | B | POLR2A |
| 186 | SLC44A1 | B | POLR2A |
| 82 | SMC5 | B | POLR2A |
| 6 | SMU1 | B | POLR2A |
| 51 | SPAG8 | B | POLR2A |
| 121 | SPIN1 | B | POLR2A |
| 128 | SPTLC1 | B | POLR2A |
| 175 | STX17 | B | POLR2A |
| 13 | SUGT1P1 | B | POLR2A |
| 137 | SUSD3 | B | POLR2A |
| 125 | SYK | B | EZH2 |
| 168 | TBC1D2 | B | POLR2A |
| 159 | TDRD7 | B | POLR2A |
| 40 | TESK1 | B | POLR2A |
| 178 | TEX10 | B | POLR2A |
| 173 | TGFBR1 | B | POLR2A |
| 104 | TLE1 | B | POLR2A |
| 103 | TLE4 | B | POLR2A |
| 46 | TLN1 | B | POLR2A |
| 89 | TMC1 | T | POLR2A |
| 85 | TMEM2 | B | POLR2A |
| 52 | TMEM8B | B | POLR2A |
| 45 | TPM2 | B | POLR2A |
| 166 | TRIM14 | B | POLR2A |
| 164 | TRMO | B | POLR2A |
| 68 | TRMT10B | B | POLR2A |
| 84 | TRPM3 | T | EZH2 |
| 93 | TRPM6 | B | POLR2A |
| 160 | TSTD2 | B | POLR2A |
| 118 | TUT7 | B | POLR2A |
| 19 | UBAP1 | B | POLR2A |
| 17 | UBAP2 | B | POLR2A |
| 16 | UBE2R2 | B | POLR2A |
| 108 | UBQLN1 | B | POLR2A |
| 37 | UNC13B | B | POLR2A |
| 124 | UNQ6494 | T | POLR2A |
| 34 | VCP | B | POLR2A |
| 100 | VPS13A | B | POLR2A + EZH2 |
| 139 | WNK2 | T | POLR2A + EZH2 |
| 162 | XPA | B | POLR2A |
| 64 | ZBTB5 | B | POLR2A |
| 62 | ZCCHC7 | B | POLR2A |
| 182 | ZNF189 | B | POLR2A |
| 153 | ZNF367 | B | POLR2A |
| 135 | ZNF484 | B | POLR2A |
| 78 | ZNF658 | B | POLR2A |
| 156 | ZNF782 | B | POL |

**Supplementary Table 2:** Control; sample of all human genes.

Sequential genes beginning with chr9 ACO1 (183 genes)

|  |  |  |  |
| --- | --- | --- | --- |
| **Index** | **Gene** | **Chr** | **Prominent TF in Promoter** |
| 127 | ACRV1 | 11 | FOS |
| 111 | ACTL7A | 9 | ATF7 |
| 105 | ACTL7B | 9 | CREB1 |
| 213 | ACTL9 | 19 | CREB1 |
| 16 | ACTRT2 | 1 | EZH2 |
| 55 | ADAD1 | 4 | HMBOX1 |
| 101 | ADAM2 | 8 | RAD21 |
| 64 | ADAM29 | 4 | IKZF1 |
| 4 | ADAM30 | 1 | ZBTB33 |
| 21 | ADCY10 | 1 | YY1 |
| 239 | AKAP4 | 23 | GATA1 |
| 42 | ALS2CR12 | 2 | ASH2L |
| 26 | APOBEC4 | 1 | IKZF1 |
| 118 | ASTN2-AS1 | 9 | ATF2 |
| 28 | ATP1A4 | 1 | FOXA1 |
| 10 | AXDND1 | 1 | POLR2A |
| 203 | BOD1L2 | 18 | ZBTB33 |
| 33 | BOLL | 2 | EZH2 |
| 7 | BRDT | 1 | ZBTB33 |
| 176 | C16orf82 | 16 | KDM1A |
| 194 | C17orf47 | 17 | EZH2 |
| 5 | C1orf94 | 1 | POLR2A |
| 34 | C2CD6 | 2 | ZBTB33 |
| 38 | C2orf78 | 2 | none |
| 66 | C5orf47 | 5 | PCBP1 |
| 70 | C5orf60 | 5 | MNT |
| 85 | C6orf10 | 6 | MAFK |
| 108 | C9orf131 | 9 | ATF7 |
| 107 | C9orf135-AS1 | 9 | ETS1 |
| 65 | CABS1 | 4 | CEBPB |
| 199 | CABYR | 18 | PHF8 |
| 206 | CALR3 | 19 | POLR2A |
| 179 | CASC16 | 16 | POLR2A |
| 14 | CATSPERE | 1 | POLR2A |
| 59 | CCDC110 | 4 | PHF8 |
| 204 | CCDC114 | 19 | POLR2A |
| 228 | CCDC116 | 22 | TBL1XR1 |
| 13 | CCDC185 | 1 | EZH2 |
| 20 | CCDC27 | 1 | none |
| 43 | CCDC36 | 3 | POLR2A |
| 48 | CCDC37-AS1 | 3 | ASH2L |
| 134 | CCDC38 | 12 | POLR2A |
| 186 | CCDC42 | 17 | POLR2A |
| 133 | CCDC62 | 12 | POLR2A |
| 132 | CCDC63 | 12 | EZH2 |
| 120 | CCDC7 | 10 | POLR2A |
| 172 | TERB1 | 16 | POLR2A |
| 125 | CCDC83 | 11 | POLR2A |
| 135 | CCER1 | 12 | ZBTB33 |
| 114 | CCIN | 9 | ATF2 |
| 138 | CEP83-AS1 | 12 | POLR2A |
| 200 | CETN1 | 18 | XRCC5 |
| 80 | CFAP206 | 6 | KDM4A |
| 201 | CFAP53 | 18 | POLR2A |
| 90 | CPA5 | 7 | POLR2A |
| 54 | CPEB2-AS1 | 4 | POLR2A |
| 86 | CRISP2 | 6 | ZBTB33 |
| 160 | CT62 | 15 | POLR2A |
| 234 | CYLC1 | 23 | ATF2 |
| 35 | DAW1 | 2 | POLR2A |
| 45 | DAZL | 3 | NFATC1 |
| 53 | DCAF4L1 | 4 | SUZ12 |
| 96 | DCAF4L2 | 8 | NRF1 |
| 67 | DDX4 | 5 | RELB |
| 106 | DMRT1 | 9 | EZH2 |
| 3 | DMRTB1 | 1 | NRF1 |
| 211 | DMRTC2 | 19 | ZBTB33 |
| 193 | DNAH9 | 17 | POLR2A |
| 102 | DNAJC5B | 8 | POLR2A |
| 171 | DPEP3 | 16 | CTCF |
| 75 | EGFLAM-AS2 | 5 | FOS |
| 223 | EPPIN | 20 | SMC3 |
| 159 | EXD1 | 15 | POLR2A |
| 51 | F11-AS1 | 4 | POLR2A |
| 144 | FAM186B | 12 | ATF2 |
| 214 | FAM187B | 19 | POLR2A |
| 110 | FAM205A | 9 | none |
| 77 | FAM217A | 6 | FOS |
| 232 | FAM46D | 23 | POLR2A |
| 230 | FAM47B | 23 | none |
| 231 | FAM47C | 23 | none |
| 24 | FAM71A | 1 | none |
| 74 | FAM71B | 5 | ATF2 |
| 154 | FAM71D | 14 | FOS |
| 89 | FBXO24 | 7 | ZBTB33 |
| 198 | FBXW10 | 17 | CHD7 |
| 88 | FKBP6 | 7 | none |
| 153 | FSCB | 14 | CREB1 |
| 32 | FSIP2 | 2 | TRIM28 |
| 94 | GALNTL5 | 7 | TRIM28 |
| 205 | GGN | 19 | POLR2A |
| 60 | GK2 | 4 | ZBTB33 |
| 164 | GOLGA8F | 15 | none |
| 167 | GOLGA8G | 15 | none |
| 163 | GOLGA8S | 15 | CTCF |
| 136 | GSG1 | 12 | POLR2A |
| 130 | H1FNT | 12 | none |
| 76 | HDGFL1 | 6 | CTCF |
| 157 | HEATR4 | 14 | POLR2A |
| 197 | HEATR9 | 17 | none |
| 17 | HORMAD1 | 1 | ZBTB33 |
| 225 | HORMAD2 | 22 | ATF7 |
| 99 | KCNU1 | 8 | PCBP2 |
| 196 | KIF2B | 17 | CREB1 |
| 22 | KLF17 | 1 | ZBTB33 |
| 137 | KRT72 | 12 | ZBTB33 |
| 158 | LDHAL6B | 15 | NRF1 |
| 126 | LDHC | 11 | POLR2A |
| 9 | LRRC71 | 1 | EZH2 |
| 156 | LRRC74A | 14 | EHMT2 |
| 236 | MAGEB3 | 23 | REST |
| 237 | MAGEB4 | 23 | EBF1 |
| 238 | MAGEC2 | 23 | POLR2A |
| 192 | MARCH10 | 17 | EZH2 |
| 103 | MCMDC2 | 8 | POLR2A |
| 185 | MEIOC | 17 | EZH2 |
| 46 | MORC1 | 3 | CTCF |
| 73 | MROH2B | 5 | FOS |
| 104 | MROH5 | 8 | POLR2A |
| 188 | MYCBPAP | 17 | KDM4A |
| 25 | NBPF4 | 1 | none |
| 216 | NLRP11 | 19 | POLR2A |
| 209 | NLRP4 | 19 | PKNOX1 |
| 91 | NME8 | 7 | RAD21 |
| 23 | NUP210L | 1 | POLR2A |
| 166 | NUTM1 | 15 | IKZF1 |
| 81 | OR2H1 | 6 | EGR1 |
| 165 | OR4N4 | 15 | CTCF |
| 180 | OTOA | 16 | IKZF1 |
| 143 | OVOS2 | 12 | ASH2L |
| 1 | OXCT2 | 1 | EZH2 |
| 87 | PAPOLB | 7 | POLR2A |
| 235 | PASD1 | 23 | MNT |
| 63 | PDHA2 | 4 | ATF2 |
| 83 | PGK2 | 6 | PKNOX1 |
| 141 | PIWIL1 | 12 | CTCF |
| 142 | PLCZ1 | 12 | FOS |
| 183 | PMFBP1 | 16 | IKZF1 |
| 113 | PPP3R2 | 9 | REST |
| 71 | PRDM9 | 5 | RAD21 |
| 184 | PRM1 | 16 | SRF |
| 170 | PRM2 | 16 | AGO1 |
| 222 | PRND | 20 | FOS |
| 41 | PRR30 | 2 | none |
| 182 | PRSS54 | 16 | ATF2 |
| 58 | RBM46 | 4 | SMC3 |
| 229 | RBMXL3 | 23 | MAFK |
| 227 | RFPL3S | 22 | ZBTB33 |
| 140 | RFX4 | 12 | EZH2 |
| 18 | RGSL1 | 1 | CTCF |
| 226 | RIMBP3 | 22 | none |
| 146 | RNF17 | 13 | EZH2 |
| 47 | ROPN1B | 3 | EZH2 |
| 155 | RPGRIP1 | 14 | EZH2 |
| 212 | RSPH6A | 19 | POLR2A |
| 177 | SEPT12 | 16 | ZBTB33 |
| 95 | SEPT14 | 7 | ATF2 |
| 37 | SH2D6 | 2 | POLR2A |
| 12 | SHCBP1L | 1 | ZBTB7B |
| 218 | SIGLECL1 | 19 | SMC3 |
| 56 | SLC25A31 | 4 | ZBTB33 |
| 69 | SLC36A3 | 5 | IKZF1 |
| 217 | SLC6A16 | 19 | TRIM22 |
| 19 | SLC9C2 | 1 | POLR2A |
| 68 | SLCO6A1 | 5 | CEBPB |
| 27 | SMCP | 1 | CTCF |
| 119 | SPAG6 | 10 | EZH2 |
| 92 | SPAM1 | 7 | FOS |
| 49 | SPATA16 | 3 | POLR2A |
| 189 | SPATA22 | 17 | SP1 |
| 117 | SPATA31E1 | 9 | CTCF |
| 169 | SPATA8 | 15 | ZFX |
| 100 | SPATC1 | 8 | POLR2A |
| 149 | SPERT | 13 | TRIM22 |
| 2 | SYCP1 | 1 | EZH2 |
| 78 | TCP11 | 6 | ASH2L |
| 79 | TCTE1 | 6 | EZH2 |
| 123 | TDRD1 | 10 | MNT |
| 11 | TDRD5 | 1 | KDM1A |
| 187 | TEKT3 | 17 | EZH2 |
| 178 | TEKT5 | 16 | POLR2A |
| 190 | TEX14 | 17 | POLR2A |
| 52 | TKTL2 | 4 | MGA |
| 168 | TMCO5A | 15 | MAFK |
| 131 | TMPRSS12 | 12 | ASH2L |
| 109 | TPD52L3 | 9 | REST |
| 224 | TPTE | 21 | none |
| 44 | TRIM42 | 3 | CHD4 |
| 62 | TRIML1 | 4 | REST |
| 8 | TSACC | 1 | POLR2A |
| 129 | TSGA10IP | 11 | RBBP5 |
| 36 | TSPYL6 | 2 | POLR2A |
| 72 | TSSK1B | 5 | none |
| 57 | TTC29 | 4 | SIN3A |
| 15 | TTLL10 | 1 | ZBTB33 |
| 84 | TTLL2 | 6 | EZH2 |
| 148 | TUBA3C | 13 | ZBTB33 |
| 29 | TUBA3E | 2 | ZBTB33 |
| 50 | TUSC7 | 3 | CREB1 |
| 202 | TXNDC2 | 18 | POLR2A |
| 128 | UBQLN3 | 11 | CREB1 |
| 139 | USP44 | 12 | POLR2A |
| 208 | WDR87 | 19 | ASH2L |
| 191 | ZPBP2 | 17 | IKZF1 |

**Supplementary Table 3:** All database testis-specific genes with information about prominent transcription factors in the promoter. (204 genes)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Chr** | **Gene** | **B/T** | **POLR2A/EZH2** | **Structure** |
| 20 | ADNP | B | POLR2A | homeobox |
| 18 | ADNP2 | B | POLR2A | homeobox |
| 2 | AFF3 | T | EZH2 |  |
| 5 | AFF4 | B | POLR2A | P-TEFB complex |
| 12 | ALX1 | T | EZH2 + POLR2A | Homeobox TAAT |
| 1 | ALX3 | B | EZH2 > POLR2A | homeobox |
| 11 | ALX4 | T | EZH2 | homeobox |
| 19 | ARID3A | B/T | neither | ARID family |
| 10 | ARID5B | B | POLR2A | ARID family; histone demethy |
| 1 | ARNT | B | POLR2A | bHLH |
| 15 | ARNT2 | B | EZH2 + POLR2A | bHLH |
| 11 | ARNTL | B | POLR2A > EZH2 | bHLH |
| 12 | ARNTL2 | B | POLR2A | bHLH |
| 12 | ASCL1 | T | EZH2 | bHLH |
| 11 | ASCL2 | T | EZH2 | bHLH |
| 11 | ASCL3 | T | neither | bHLH |
| 12 | ASCL4 | T | EZH2 | bHLH |
| 12 | ATF1 | B | POLR2A | bZIP |
| 2 | ATF2 | B | POLR2A | bZIP |
| 1 | ATF3 | B | POLR2A + EZH2 | CREB family |
| 22 | ATF4 | B | POLR2A | CREB family |
| 19 | ATF5 | B | POLR2A | CRE element |
| 1 | ATF6 | B | POLR2A | cAMP-dependent |
| 6 | ATF6B | B | POLR2A | cAMP-dependent |
| 12 | ATF7 | B | POLR2A | cAMP-dependent |
| 4 | ATOH1 | T | EZH2 | bHLH |
| 10 | ATOH7 | T | POLR2A + EZH2 | bHLH |
| 21 | BACH1 | B | POLR2A | CNC-bZIP |
| 6 | BACH2 | B | POLR2A | CNC-bZIP |
| 9 | BARHL1 | T | EZH2 | homeobox |
| 1 | BARHL2 | T | EZH2 | homeobox |
| 9 | BARX1 | T | EZH2 | homeobox |
| 11 | BARX2 | T | EZH2 | homeobox |
| 14 | BATF | B | EZH2 > POLR2A | bZIP |
| 11 | BATF2 | B/T | POLR2A | bZIP |
| 1 | BATF3 | T | EZH2 | bZIP |
| 2 | BCL11A | T | POLR2A > EZH2 | ZNF |
| 14 | BCL11B | T | POLR2A + EZH2 | ZNF |
| 3 | BCL6 | B | POLR2A | ZNF |
| 17 | BCL6B | B | POLR2A > EZH2 | ZNF |
| 6 | BCLAF1 | B | POLR2A | BCL2-assoc TF |
| 20 | BHLH23 | T | EZH2 |  |
| 3 | BHLHB2 | B | POLR2A | bHLH |
| 7 | BHLHB8 | T | POLR2A | bHLH |
| 8 | BHLHE22 | T | EZH2 | bHLH |
| 15 | BNC1 | T | EZH2 + POLR2A | ZNF |
| 9 | BNC2 | T | POLR2A + EZH2 | ZNF |
| 1 | CAMTA1 | B | POLR2A | Calmodulin binding |
| 17 | CAMTA2 | B | POLR2A | Calmodulin binding |
| 5 | CDX | T | EZH2 |  |
| 5 | CDX1 | T | EZH2 | Homeobox |
| 13 | CDX2 | T | EZH2 | Homeobox |
| 19 | CEBPA | B | POLR2A + EZH2 | bZIP recog CCAAT |
| 20 | CEBPB | B | POLR2A | bZIP |
| 19 | CEBPG | B | POLR2A | bZIP |
| 2 | CEBPZ | B | POLR2A | bZIP |
| 9 | CREB3 | B | POLR2A | cAMP resp. bZIP |
| 11 | CREB3L1 | B | POLR2A | cAMP resp. box B |
| 7 | CREB3L2 | B | POLR2A | cAMP resp. bZIP |
| 19 | CREB3L3 | T | neither | cAMP resp. bZIP |
| 1 | CREB3L4 | B | POLR2A | cAMP resp. |
| 7 | CREB5 | B | neither | cAMP resp. bZIP |
| 12 | CREBL2 | B | POLR2A | cAMP resp. bZIP |
| 11 | CREBZF | B | POLR2A | CREB/ATF bZIP |
| 16 | CTCF | B | POLR2A | CCCTC binding ZNF |
| 20 | CTCFL | T | POLR2A | CCCTC binding ZNF |
| 7 | CUX1 | B | POLR2A | Homeobox + CUT |
| 12 | CUX2 | T | POLR2A + EZH2 | Homeobox + CUT |
| 13 | DACH1 | B | neither | Daschund domain |
| 23 | DACH2 | T | neither | Daschund domain |
| 11 | DBX1 | T | EZH2 | Homeobox |
| 12 | DBX2 | T | EZH2 | Homeobox |
| 2 | DLX1 | T | EZH2 | Homeobox |
| 2 | DLX2 | T | EZH2 + POLR2A | Homeobox |
| 17 | DLX3 | T | EZH2 | Homeobox |
| 17 | DLX4 | T | EZH2 | Homeobox |
| 7 | DLX5 | T | EZH2 | Homeobox |
| 7 | DLX6 | T | EZH2 | Homeobox |
| 9 | DMRT1 | T | EZH2- | ZNF + DM |
| 9 | DMRT2 | T | EZH2 | DM |
| 9 | DMRT3 | T | EZH2 |  |
| 9 | DMRTA1 | T | POLR2A |  |
| 1 | DMRTA2 | T | EZH2 |  |
| 1 | DMRTB1 | T | neither |  |
| 19 | DMRTC2 | T | neither |  |
| 19 | DPF1 | T | POLR2A > EZH2 | Double PHD fingers |
| 11 | DPF2 | B | POLR2A | ZNF-like |
| 14 | DPF3 | T | EZH2 | Chromatin remodeling |
| 1 | DR1 | B | POLR2A | TBP |
| 11 | DRAP1 | B | POLR2A | Interacts with DR1 |
| 10 | DRGX | T | EZH2 | Homeobox |
| 20 | E2F1 | B | POLR2A | E2F family |
| 1 | E2F2 | T | POLR2A | E2F family |
| 6 | E2F3 | B | POLR2A | E2F family |
| 16 | E2F4 | B | POLR2A | E2F family |
| 8 | E2F5 | B | POLR2A | E2F family |
| 2 | E2F6 | B | POLR2A | E2F family |
| 12 | E2F7 | T | POLR2A | E2F family |
| 11 | E2F8 | T | POLR2A + EZH2 | E2F family |
| 5 | EBF1 | T | EZH2 | ZNF |
| 10 | EBF3 | T | EZH2 | Like EBF1 |
| 20 | EBF4 | B | EZH2 | bHLH |
| 5 | EGR1 | B | POLR2A | ZNF |
| 10 | EGR2 | B | POLR2A > EZH2 | ZNF |
| 2 | EGR4 | T | EZH2 | Similar to EGR2 (ZNF) |
| 13 | ELF1 | B | POLR2A | ETS TF |
| 4 | ELF2 | B | POLR2A | ETS TF |
| 1 | ELF3 | T | POLR2A | ETS TF |
| 23 | ELF4 | B | POLR2A | ETS TF |
| 11 | ELF5 | T | POLR2A | ETS TF |
| 23 | ELK1 | B | POLR2A | ETS TF |
| 12 | ELK3 | B | POLR2A | ETS TF |
| 1 | ELK4 | B | POLR2A | ETS TF |
| 2 | EMX1 | T | EZH2 | Homeobox |
| 10 | EMX2 | T | EZH2 | Homeobox |
| 2 | EN1 | T | EZH2 | Homeobox |
| 7 | EN2 | T | EZH2 | Homeobox |
| 19 | ERF | B | POLR2A | ETS family |
| 21 | ERG | B | EZH2 > POLR2A | ETS family |
| 6 | ESR1 | T | EZH2+POLR2A | Estrogen receptor |
| 14 | ESR2 | T | POLR2A + EZH2 | Estrogen receptor |
| 11 | ESRRA | B | POLR2A | Estrogen receptor related A |
| 14 | ESRRB | T | EZH2 | Estrogen receptor related B |
| 1 | ESRRG | T | EZH2 | Estrogen receptor related G |
| 11 | ETS1 | B | POLR2A | ETS family (GGA(A/T) |
| 21 | ETS2 | B | POLR2A | ETS family |
| 7 | ETV1 | B | POLR2A | ETS family variant |
| 19 | ETV2 | T | POLR2A | ETS family variant |
| 1 | ETV3 | B | POLR2A | ETS family variant |
| 1 | ETV3L | T | neither | ETS family variant |
| 17 | ETV4 | B | POLR2A | ETS family variant |
| 3 | ETV5 | B | POLR2A | ETS family variant |
| 12 | ETV6 | B | POLR2A | ETS family variant |
| 6 | ETV7 | B | EZH2=POLR2A | ETS family variant |
| 7 | EVX1 | T | EZH2 | Homeobox |
| 2 | EVX2 | T | EZH2 | Homeobox |
| 17 | EZH1 | B | POLR2A | H3K27 methyl transferase |
| 7 | EZH2 | B | POLR2A | H3K27 methyl transferase |
| 14 | FOS | B | POLR2A | L-ZIP |
| 19 | FOSB | B | POLR2A | L-ZIP |
| 11 | FOSL1 | B | POLR2A + EZH2 | L-ZIP |
| 2 | FOSL2 | B | POLR2A | L-ZIP |
| 14 | FOXA1 | T | POLR2A > EZH2 | Forkhead |
| 20 | FOXA2 | T | EZH2 > POLR2A | Forkhead |
| 19 | FOXA3 | T | POLR2A | Forkhead |
| 15 | FOXB1 | T | EZH2 | Forkhead |
| 9 | FOXB2 | T | EZH2 | Forkhead |
| 6 | FOXC1 | B | POLR2A + EZH2 | Forkhead |
| 16 | FOXC2 | T | EZH2 > POLR2A | Forkhead |
| 1 | FOXD2 | T | EZH2 | Forkhead |
| 1 | FOXD3 | T | EZH2 > POLR2A | Forkhead |
| 9 | FOXD4 | T | EZH2 | Forkhead |
| 2 | FOXD4L1 | T | EZH2 | Forkhead-like |
| 9 | FOXD4L3 | T | neither | Forkhead-like |
| 9 | FOXD4L5 | T | neither | Forkhead-like |
| 9 | FOXD4L6 | T | EZH2 | Forkhead-like |
| 9 | FOXE1 | T | EZH2 | Forkhead |
| 1 | FOXE3 | T | EZH2 | Forkhead |
| 16 | FOXF1 | T | EZH2 | Forkhead |
| 6 | FOXF2 | T | EZH2 | Forkhead |
| 14 | FOXG1 | T | EZH2 | Forkhead |
| 8 | FOXH1 | T | EZH2 + POLR2A | Forkhead |
| 5 | FOXI1 | T | neither | Forkhead |
| 10 | FOXI2 | T | EZH2 | Forkhead |
| 17 | FOXJ1 | T | EZH2 > POLR2A | Forkhead |
| 12 | FOXJ2 | B | POLR2A | Forkhead |
| 1 | FOXJ3 | B | POLR2A | Forkhead |
| 17 | FOXK2 | B | POLR2A | Forkhead |
| 16 | FOXL1 | T | EZH2 | Forkhead |
| 3 | FOXL2 | T | EZH2 | Forkhead |
| 12 | FOXM1 | B | POLR2A | Forkhead |
| 17 | FOXN1 | T | POLR2A | Forkhead |
| 2 | FOXN2 | B | POLR2A- | Forkhead |
| 14 | FOXN3 | B | POLR2A | Forkhead |
| 12 | FOXN4 | T | EZH2 | Forkhead |
| 13 | FOXO1 | B | POLR2A | Forkhead |
| 6 | FOXO3 | B | POLR2A | Forkhead |
| 23 | FOXO4 | B | POLR2A | Forkhead |
| 1 | FOXO6 | B | POLR2A + EZH2 | Forkhead |
| 3 | FOXP1 | B | POLR2A | Forkhead |
| 7 | FOXP2 | T | EZH2 + POLR2A | Forkhead |
| 23 | FOXP3 | B | POLR2A | Forkhead |
| 6 | FOXP4 | B | POLR2A | Forkhead |
| 6 | FOXQ1 | T | EZH2 + POLR2A | Forkhead |
| 11 | FOXR1 | T | neither | Forkhead |
| 23 | FOXR2 | T | neither | Forkhead |
| 20 | FOXS1 | T | POLR2A | Forkhead |
| 21 | GABPA | B | POLR2A | ETS family |
| 15 | GABPB1 | B | POLR2A | Similar to B2 |
| 1 | GABPB2 | B | POLR2A | Similar to B1 |
| 23 | GATA1 | T | POLR2A | ZNF |
| 3 | GATA2 | B | EZH2 > POLR2A | ZNF |
| 10 | GATA3 | T | EZH2 > POLR2A | ZNF |
| 8 | GATA4 | T | EZH2 | ZNF |
| 20 | GATA5 | T | EZH2 | ZNF |
| 18 | GATA6 | T | EZH2 | ZNF |
| 7 | GBX1 | T | EZH2 | Homeobox |
| 2 | GBX2 | T | EZH2 | Homeobox |
| 1 | GFI1 | T | EZH2 | ZNF |
| 9 | GFI1B | T | neither | ZNF |
| 12 | GLI1 | B | POLR2A | ZNF |
| 12 | GLI2 | B | POLR2A | ZNF |
| 12 | GLI3 | B | POLR2A | ZNF |
| 1 | GLIS1 | B | EZH2 | ZNF |
| 2 | GLIS2 | T | EZH2 | ZNF |
| 1 | GLIS3 | T | POLR2A + EZH2 | ZNF |
| 2 | GRHL1 | T | POLR2A | grainyhead |
| 8 | GRHL2 | T | POLR2A | grainyhead |
| 1 | GRHL3 | T | POLR2A + EZH2 | grainyhead |
| 14 | GSC | T | EZH2 | Homeobox bicoid |
| 22 | GSC2 | T | EZH2 | Homeobox |
| 13 | GSX1 | T | EZH2 | Homeobox-seq known |
| 4 | GSX2 | T | EZH2 | Homeobox |
| 5 | HAND1 | T | EZH2 | bHLH |
| 4 | HAND2 | T | EZH2 | bHLH |
| 3 | HES1 | B | POLR2A | bHLH |
| 1 | HES2 | T | EZH2 + POLR2A | bHLH |
| 1 | HES3 | T | EZH2 | bHLH |
| 1 | HES4 | B | EZH2 + POLR2A | bHLH |
| 1 | HES5 | T | EZH2 | bHLH |
| 17 | HES7 | T | EZH2 | bHLH |
| 3 | HESX1 | B | POLR2A | Homeobox |
| 6 | HEY2 | B | EZH2 > POLR2A | bHLH |
| 1 | HEYL | B | EZH2 + POLR2A | bHLH |
| 17 | HIC1 | B | EZH2 + POLR2A | ZNF-BTB |
| 22 | HIC2 | B | POLR2A | ZNF-BTB |
| 14 | HIF1A | B | POLR2A | bHLH |
| 19 | HIF3A | B | POLR2A | bHLH |
| 6 | HIVEP1 | B | POLR2A | ZNF |
| 6 | HIVEP2 | B | POLR2A | ZNF |
| 1 | HIVEP3 | B | POLR2A | ZNF |
| 17 | HLF | B | POLR2A + EZH2 | bZIP |
| 1 | HLX | B | EZH2 | Homeobox |
| 4 | HMX1 | T | EZH2 | Homeobox |
| 10 | HMX2 | T | EZH2 | Homeobox |
| 10 | HMX3 | T | EZH2 | Homeobox |
| 12 | HNF1A | T | POLR2A | Homeobox-seq given |
| 17 | HNF1B | T | EZH2 + POLR2A | Homeobox- seq given |
| 8 | HNF4G | T | neither | NR subfamily |
| 7 | HOXA1 | T | EZH2 > POLR2A | Homeobox |
| 7 | HOXA10 | T | EZH2 > POLR2A | Homeobox |
| 7 | HOXA11 | T | EZH2=POLR2A | Homeobox |
| 7 | HOXA13 | T | EZH2 + POLR2A | Homeobox |
| 7 | HOXA2 | T | EZH2 > POLR2A | Homeobox |
| 7 | HOXA3 | T | EZH2 | Homeobox |
| 7 | HOXA4 | T | EZH2 | Homeobox |
| 7 | HOXA5 | T | EZH2 + POLR2A | Homeobox |
| 7 | HOXA6 | T | EZH2 + POLR2A | Homeobox |
| 7 | HOXA7 | T | EZH2 | Homeobox |
| 7 | HOXA9 | T | EZH2 | Homeobox |
| 17 | HOXB1 | T | EZH2 | Homeobox |
| 17 | HOXB13 | T | EZH2 | Homeobox |
| 17 | HOXB2 | B | EZH2 + POLR2A | Homeobox |
| 17 | HOXB3 | T | EZH2 > POLR2A | Homeobox |
| 17 | HOXB4 | B/T | EZH2 | Homeobox |
| 17 | HOXB5 | T | EZH2 > POLR2A | Homeobox |
| 17 | HOXB6 | T | EZH2 | Homeobox |
| 17 | HOXB7 | T | EZH2 > POLR2A | Homeobox |
| 17 | HOXB8 | T | EZH2 + POLR2A | Homeobox |
| 17 | HOXB9 | T | EZH2 + POLR2A | Homeobox |
| 12 | HOXC10 | T | EZH2 | Homeobox |
| 12 | HOXC11 | T | EZH2 | Homeobox |
| 12 | HOXC12 | T | EZH2 | Homeobox |
| 12 | HOXC13 | T | EZH2 | Homeobox |
| 12 | HOXC4 | T | EZH2 | Homeobox |
| 12 | HOXC5 | T | EZH2 | Homeobox |
| 12 | HOXC6 | T | EZH2 | Homeobox |
| 12 | HOXC8 | T | EZH2 | Homeobox |
| 12 | HOXC9 | T | EZH2 | Homeobox |
| 2 | HOXD1 | T | EZH2 > POLR2A | Homeobox |
| 2 | HOXD10 | T | EZH2 | Homeobox |
| 2 | HOXD11 | T | EZH2 | Homeobox |
| 2 | HOXD12 | T | EZH2 | Homeobox |
| 2 | HOXD13 | T | EZH2 | Homeobox |
| 2 | HOXD3 | T | EZH2 | Homeobox |
| 2 | HOXD4 | T | EZH2 | Homeobox |
| 2 | HOXD8 | T | EZH2 | Homeobox |
| 2 | HOXD9 | T | EZH2 > POLR2A | Homeobox |
| 8 | HSF1 | B | POLR2A | Heat shock TF |
| 6 | HSF2 | B | POLR2A- | Heat shock TF |
| 16 | HSF4 | B | EZH2 + POLR2A | Heat shock TF |
| 17 | HSF5 | T | neither | Heat shock TF |
| 20 | ID1 | B | POLR2A | bHLH |
| 2 | ID2 | B | POLR2A | bHLH |
| 1 | ID3 | B | POLR2A | bHLH |
| 6 | ID4 | B | POLR2A | bHLH |
| 7 | IKZF1 | T | POLR2A > EZH2 | ZNF |
| 2 | IKZF2 | B | POLR2A | ZNF |
| 12 | IKZF4 | B | POLR2A | ZNF |
| 10 | IKZF5 | B | POLR2A | ZNF |
| 20 | INSM1 | T | EZH2 | ZNF |
| 14 | INSM2 | T | EZH2 | ZNF |
| 5 | IRF1 | B | POLR2A | HTH (W)5 repeat |
| 4 | IRF2 | B | POLR2A | HTH |
| 19 | IRF3 | B | POLR2A | HTH |
| 6 | IRF4 | T | POLR2A | HTH |
| 7 | IRF5 | B | POLR2A | HTH |
| 1 | IRF6 | T | POLR2A | HTH |
| 11 | IRF7 | B | POLR2A | HTH |
| 16 | IRF8 | B | POLR2A | HTH |
| 14 | IRF9 | B | POLR2A | HTH |
| 5 | IRX1 | T | EZH2 | Homeobox |
| 5 | IRX2 | T | POLR2A + EZH2 | Homeobox |
| 16 | IRX3 | T | EZH2 | Homeobox |
| 5 | IRX4 | T | EZH2 + POLR2A | Homeobox |
| 16 | IRX5 | T | EZH2 > POLR2A | Homeobox |
| 16 | IRX6 | T | EZH2 > POLR2A | Homeobox |
| 5 | ISL1 | T | EZH2 | LIM homeobox |
| 15 | ISL2 | T | EZH2 + POLR2A | LIM homeobox |
| 22 | ISX | T | POLR2A- | Homeobox |
| 1 | JUN | B | POLR2A |  |
| 19 | JUNB | B | POLR2A |  |
| 19 | JUND | B | POLR2A |  |
| 17 | KLF | B | POLR2A | ZNF |
| 19 | KLF1 | T | POLR2A | ZNF |
| 8 | KLF10 | B | POLR2A | ZNF |
| 2 | KLF11 | B | POLR2A | ZNF |
| 13 | KLF12 | B | POLR2A | ZNF |
| 15 | KLF13 | B | POLR2A | ZNF |
| 7 | KLF14 | T | EZH2 | ZNF |
| 3 | KLF15 | B | EZH2 + POLR2A | ZNF |
| 19 | KLF16 | B | POLR2A | ZNF |
| 1 | KLF17 | T | neither | ZNF |
| 19 | KLF2 | B | POLR2A + EZH2 | ZNF |
| 4 | KLF3 | B | POLR2A | ZNF |
| 13 | KLF5 | B | POLR2A | ZNF |
| 10 | KLF6 | B | POLR2A+ | ZNF |
| 2 | KLF7 | B | POLR2A | ZNF |
| 23 | KLF8 | B | POLR2A | ZNF |
| 9 | KLF9 | B | POLR2A | ZNF binds GC box |
| 10 | LBX1 | T | EZH2 | Homeobox |
| 2 | LBX2 | T | EZH2 + POLR2A | Homeobox |
| 10 | LCOR | B | neither |  |
| 4 | LCORL | B | POLR2A |  |
| 17 | LHX1 | T | EZH2 | LIM homeobox |
| 9 | LHX2 | T | EZH2 | LIM homeobox |
| 9 | LHX3 | T | EZH2 | LIM homeobox |
| 1 | LHX4 | B | EZH2 | LIM homeobox |
| 12 | LHX5 | T | EZH2 | LIM homeobox |
| 9 | LHX6 | T | EZH2 | LIM homeobox |
| 1 | LHX8 | T | EZH2 | LIM homeobox |
| 1 | LHX9 | T | EZH2 | LIM homeobox |
| 1 | LMX1A | T | EZH2 | LIM homeobox |
| 9 | LMX1B | T | EZH2 | LIM homeobox |
| 1 | MAEL | T | neither |  |
| 16 | MAF | B | POLR2A + EZH2 | bZIP |
| 8 | MAFA | T | EZH2 | bZIP |
| 20 | MAFB | T | EZH2 | bZIP |
| 22 | MAFF | B | POLR2A | bZIP |
| 17 | MAFG | B | POLR2A | bZIP |
| 7 | MAFK | B | POLR2A | bZIP |
| 5 | MATR3 | B | POLR2A | Not TF? |
| 14 | MAX | B | POLR2A | bHLH |
| 16 | MAZ | B | POLR2A | ZNF |
| 15 | MEF2A | B | POLR2A | MADS box seq known |
| 19 | MEF2B | B | POLR2A | MADS box |
| 5 | MEF2C | B | POLR2A | MADS box |
| 1 | MEF2D | B | POLR2A | MADS box |
| 2 | MEIS1 | B | EZH2 + POLR2A | Homeobox TALE |
| 15 | MEIS2 | B | POLR2A > EZH2 | Homeobox TALE |
| 19 | MEIS3 | T | EZH2 + POLR2A | Homeobox TALE |
| 1 | MIER1 | B | POLR2A |  |
| 19 | MIER2 | B | POLR2A |  |
| 5 | MIER3 | B | POLR2A |  |
| 19 | MLLT1 | B | POLR2A | YEATS domain |
| 9 | MLLT3 | B | POLR2A + EZH2 | YEATS domain |
| 17 | MLX | B | POLR2A | bHLH-ZIP |
| 12 | MLXIP | B | POLR2A | bHLH-ZIP |
| 7 | MLXIPL | B | EZH2=POLR2A | bHLH-ZIP |
| 17 | MNT | B | POLR2A | bHLH-ZIP |
| 7 | MNX1 | T | EZH2 | Homeobox |
| 8 | MSC | B | EZH2 + POLR2A | bHLH |
| 4 | MSX1 | B | EZH2 + POLR2A | Homeobox |
| 5 | MSX2 | T | EZH2 | Homeobox |
| 2 | MXD1 | B | POLR2A | bHLH-ZIP |
| 5 | MXD3 | B | POLR2A | bHLH-ZIP |
| 4 | MXD4 | B | POLR2A | bHLH-ZIP |
| 10 | MXI1 | B | POLR2A | bHLH-ZIP |
| 6 | MYB | T | POLR2A + EZH2 | HTH seq known |
| 8 | MYBL1 | B | POLR2A | HTH |
| 20 | MYBL2 | T | POLR2A | HTH |
| 8 | MYC | B | POLR2A | bHLH |
| 1 | MYCL1 | T | POLR2A > EZH2 | bHLH |
| 2 | MYCN | T | EZH2 > POLR2A | bHLH |
| 12 | MYF5 | T | neither | bHLH |
| 12 | MYF6 | T | POLR2A | bHLH |
| 3 | MYNN | B | POLR2A | ZNF-BTB |
| 11 | MYOD1 | T | EZH2 | bHLH |
| 1 | MYOG | T | neither | bHLH |
| 20 | MYT1 | T | EZH2 | ZNF |
| 2 | MYT1L | T | neither | ZNF |
| 2 | NCOA1 | B | POLR2A | bHLH |
| 20 | NCOA3 | B | POLR2A | bHLH |
| 2 | NEUROD1 | T | EZH2 | bHLH |
| 12 | NEUROD4 | T | POLR2A | bHLH |
| 7 | NEUROD6 | T | EZH2 | bHLH |
| 5 | NEUROG1 | T | EZH2 | bHLH |
| 4 | NEUROG2 | T | EZH2 | bHLH |
| 10 | NEUROG3 | T | EZH2 | bHLH |
| 16 | NFAT5 | B | POLR2A |  |
| 18 | NFATC1 | B | POLR2A + EZH2 | NFAT |
| 16 | NFATC3 | B | POLR2A |  |
| 14 | NFATC4 | B | POLR2A + EZH2 |  |
| 12 | NFE2 | T | POLR2A | Seq known |
| 17 | NFE2L1 | B | POLR2A |  |
| 2 | NFE2L2 | B | POLR2A | bZIP |
| 7 | NFE2L3 | B | POLR2A | bZIP |
| 1 | NFIA | B | POLR2A |  |
| 9 | NFIB | B | POLR2A + EZH2 |  |
| 19 | NFIC | B | POLR2A | NF-1 family |
| 9 | NFIL3 | B | POLR2A |  |
| 19 | NFIX | B | EZH2>POLR2A | Seq known |
| 4 | NFKB1 | B | POLR2A |  |
| 10 | NFKB2 | B | POLR2A |  |
| 11 | NFRKB | B | POLR2A |  |
| 9 | NFX1 | B | POLR2A | X box binding |
| 4 | NFXL1 | B | POLR2A | X box binding |
| 6 | NFYA | B | POLR2A- | Binds CCAAT |
| 12 | NFYB | B | POLR2A | Binds CCAAT |
| 1 | NFYC | B | POLR2A | Binds CCAAT |
| 1 | NHLH1 | T | POLR2A- | bHLH |
| 1 | NHLH2 | T | EZH2 | bHLH |
| 14 | NKX2-1 | T | EZH2 | Homeobox |
| 20 | NKX2-2 | T | EZH2 | Homeobox |
| 10 | NKX2-3 | T | EZH2 | Homeobox |
| 20 | NKX2-4 | T | EZH2 | Homeobox |
| 5 | NKX2-5 | T | EZH2 | Homeobox |
| 8 | NKX2-6 | T | EZH2 | Homeobox |
| 14 | NKX2-8 | T | EZH2 | Homeobox |
| 14 | NKX3-1 | T | EZH2 > POLR2A | Homeobox |
| 4 | NKX3-2 | T | EZH2 | Homeobox |
| 4 | NKX6-1 | T | EZH2 | Homeobox |
| 10 | NKX6-2 | T | EZH2 | Homeobox |
| 8 | NKX6-3 | T | EZH2 | Homeobox |
| 7 | NOBOX | T | neither | Homeobox |
| 2 | NOTO | T | EZH2 | Homeobox |
| 19 | NPAS1 | T | EZH2 | bHLH |
| 2 | NPAS2 | B | POLR2A | bHLH |
| 11 | NPAS4 | B | EZH2 + POLR2A | bHLH |
| 23 | NR0B1 | T | EZH2 | NR family |
| 17 | NR1D1 | B | POLR2A | NR family |
| 3 | NR1D2 | B | POLR2A | NR family |
| 19 | NR1H2 | B | POLR2A | NR family |
| 11 | NR1H3 | B | POLR2A | NR family |
| 12 | NR1H4 | T | POLR2A | NR family |
| 3 | NR1I2 | T | POLR2A | NR family |
| 1 | NR1I3 | T | neither | NR family |
| 12 | NR2C1 | B | POLR2A | NR family |
| 3 | NR2C2 | B | POLR2A | NR family |
| 6 | NR2E1 | T | EZH2 | NR family |
| 15 | NR2E3 | T | neither | NR family |
| 5 | NR2F1 | B | EZH2 | NR family |
| 15 | NR2F2 | B | EZH2 | NR family |
| 19 | NR2F6 | B | POLR2A | NR family |
| 5 | NR3C1 | B | POLR2A | NR family |
| 4 | NR3C2 | B | POLR2A + EZH2 | NR family |
| 12 | NR4A1 | B | POLR2A | NR family |
| 2 | NR4A2 | B | POLR2A > EZH2 | NR family |
| 9 | NR4A3 | B/T | POLR2A + EZH2 | NR family |
| 9 | NR5A1 | T | EZH2 | NR family |
| 1 | NR5A2 | T | EZH2 + POLR2A | NR family |
| 9 | NR6A1 | B | POLR2A | NR family |
| 7 | NRF1 | B | POLR2A |  |
| 14 | NRL | B | POLR2A + EZH2 | bZIP |
| 21 | OLIG2 | T | EZH2 | bHLH |
| 6 | OLIG3 | T | EZH2 | bHLH |
| 15 | ONECUT1 | T | EZH2 | Homeobox |
| 18 | ONECUT2 | T | EZH2 | Homeobox |
| 19 | ONECUT3 | T | EZH2 | Homeobox |
| 2 | OSR1 | T | EZH2 |  |
| 8 | OSR2 | T | EZH2 |  |
| 5 | OTP | T | EZH2 | Homeobox |
| 2 | OTX1 | T | EZH2 + POLR2A | Homeobox |
| 14 | OTX2 | T | EZH2 | Homeobox |
| 11 | OVOL1 | T | EZH2 | ZNF |
| 20 | OVOL2 | T | EZH2 | ZNF |
| 22 | PATZ1 | B | POLR2A | POZ-AT hook-ZNF |
| 12 | PAWR | B | POLR2A | bZIP |
| 20 | PAX1 | T | EZH2 | Paired box |
| 10 | PAX2 | T | EZH2 | Paired box |
| 2 | PAX3 | T | EZH2 | Paired box |
| 7 | PAX4 | T | EZH2 | Paired box |
| 9 | PAX5 | T | EZH2 | Paired box |
| 11 | PAX6 | T | EZH2 | Paired box |
| 1 | PAX7 | T | EZH2 | Paired box |
| 2 | PAX8 | T | POLR2A > EZH2 | Paired box |
| 14 | PAX9 | T | EZH2 | Paired box |
| 1 | PBX1 | B | POLR2A | Homeobox |
| 6 | PBX2 | B | POLR2A | Homeobox |
| 9 | PBX3 | B | POLR2A | Homeobox |
| 19 | PBX4 | B | POLR2A | Homeobox |
| 12 | PHB2 | B | POLR2A |  |
| 20 | PHF20 | B | POLR2A- | PHD finger ZNF? |
| 11 | PHOX2A | T | EZH2 > POLR2A | Homeobox |
| 4 | PHOX2B | T | EZH2 | Homeobox |
| 5 | PITX1 | T | EZH2 | Paired-like homeodomain |
| 4 | PITX2 | T | EZH2 | Paired-like homeodomain |
| 10 | PITX3 | T | EZH2 | Paired-like homeodomain |
| 21 | PKNOX1 | B | POLR2A | Homeobox |
| 11 | PKNOX2 | B | POLR2A + EZH2 | Homeobox |
| 8 | PLAG1 | B/T | EZH2 | ZNF |
| 6 | PLAGL1 | B | POLR2A + EZH2 | ZNF |
| 20 | PLAGL2 | B | POLR2A | ZNF |
| 3 | POU1F1 | T | neither | POU homeobox |
| 1 | POU2F1 | B | POLR2A | POU homeobox |
| 19 | POU2F2 | B | POLR2A | POU homeobox |
| 11 | POU2F3 | T | POLR2A > EZH2 | POU homeobox |
| 1 | POU3F1 | T | EZH2 | POU homeobox |
| 6 | POU3F2 | T | EZH2 | POU homeobox |
| 2 | POU3F3 | T | EZH2 | POU homeobox |
| 23 | POU3F4 | T | EZH2 | POU homeobox |
| 13 | POU4F1 | T | EZH2 | POU homeobox |
| 4 | POU4F2 | T | EZH2 | POU homeobox |
| 5 | POU4F3 | T | EZH2 | POU homeobox |
| 6 | POU5F1 | B | POLR2A | POU homeobox |
| 12 | POU6F1 | B | POLR2A | POU homeobox |
| 7 | POU6F2 | T | EZH2 | POU homeobox |
| 6 | PPARD | B | POLR2A | NR family |
| 3 | PPARG | B | POLR2A | NR family |
| 6 | PRDM1 | B | POLR2A | ZNF |
| 11 | PRDM10 | B | POLR2A | ZNF |
| 9 | PRDM12 | T | EZH2 | ZNF |
| 6 | PRDM13 | T | EZH2 | ZNF |
| 8 | PRDM14 | T | EZH2 | ZNF |
| 21 | PRDM15 | B | POLR2A | ZNF |
| 1 | PRDM16 | T | EZH2 | ZNF |
| 1 | PRDM2 | B | POLR2A | ZNF |
| 12 | PRDM4 | B | POLR2A | ZNF |
| 4 | PRDM5 | B | POLR2A | ZNF |
| 5 | PRDM6 | T | EZH2 | PR domain |
| 16 | PRDM7 | T | POLR2A | ZNF |
| 4 | PRDM8 | T/B | EZH2 | ZNF |
| 5 | PRDM9 | T | POLR2A- | ZNF |
| 2 | PREB | B | POLR2A |  |
| 5 | PROP1 | T | EZH2 | Homeobox |
| 1 | PROX1 | T | EZH2 + POLR2A | Homeobox |
| 14 | PROX2 | B | neither | Homeobox |
| 1 | PRRX1 | T | EZH2 | Homeobox |
| 9 | PRRX2 | T | EZH2 | Homeobox |
| 17 | RARA | B | POLR2A | NR family |
| 3 | RARB | B | POLR2A | NR family |
| 12 | RARG | B | POLR2A | NR family |
| 18 | RAX | T | EZH2 | Homeobox |
| 19 | RAX2 | T | neither | Homeobox |
| 7 | RBAK | B | POLR2A | ZNF |
| 4 | RBPJ | B | POLR2A | Binds NOTCH |
| 20 | RBPJL | T | EZH2 | Binds NOTCH |
| 9 | RC3H2 | B | POLR2A | ZNF |
| 14 | RCOR1 | B | POLR2A | Binds REST |
| 11 | RCOR2 | T | POLR2A + EZH2 | Binds REST |
| 1 | RCOR3 | B | POLR2A | Binds REST |
| 2 | REL | B | POLR2A | REL homology domain |
| 11 | RELA | B | POLR2A | REL homology domain |
| 19 | RELB | B | POLR2A | REL homology domain |
| 1 | RERE | B | POLR2A | RE repeats |
| 4 | REST | B | POLR2A | ZNF brain |
| 19 | RFX1 | B | POLR2A | RFX motif winged helix |
| 19 | RFX2 | B | POLR2A | RFX motif |
| 9 | RFX3 | B | POLR2A | RFX motif |
| 12 | RFX4 | T | EZH2 | RFX motif |
| 1 | RFX5 | B | POLR2A | RFX motif |
| 6 | RFX6 | T | EZH2 | RFX motif |
| 19 | RFXANK | B | POLR2A |  |
| 23 | RHOXF1 | B | neither | Homeobox |
| 23 | RHOXF2 | T | neither | Homeobox |
| 15 | RORA | B | neither | NR1 family |
| 9 | RORB | T | EZH2 | NR1 family |
| 1 | RORC | T | POLR2A | NR1 family |
| 21 | RUNX1 | B | POLR2A | CBF subunit TGTGGT |
| 6 | RUNX2 | B | POLR2A | CBF subunit |
| 1 | RUNX3 | B | POLR2A | CBF subunit |
| 6 | RXRB | B | POLR2A | NR family |
| 1 | RXRG | T | EZH2 | NR family |
| 16 | SALL1 | T | EZH2 | ZNF |
| 14 | SALL2 | T | POLR2A | ZNF |
| 18 | SALL3 | T | EZH2 | ZNF |
| 20 | SALL4 | T | POLR2A | ZNF |
| 3 | SATB1 | B | EZH2 + POLR2A | Homeobox |
| 2 | SATB2 | T | EZH2 + POLR2A | Homeobox |
| 8 | SCRT1 | T | EZH2 | ZNF |
| 20 | SCRT2 | T | EZH2 | ZNF |
| 6 | SIM1 | T | EZH2 | bHLH |
| 21 | SIM2 | T | EZH2 | bHLH |
| 14 | SIX1 | T | EZH2 | Homeobox |
| 2 | SIX2 | T | EZH2 + POLR2A | Homeobox |
| 2 | SIX3 | T | EZH2 | Homeobox |
| 14 | SIX4 | B | POLR2A | Homeobox |
| 19 | SIX5 | B | POLR2A | Homeobox |
| 14 | SIX6 | T | EZH2 | Homeobox |
| 1 | SKI | B | POLR2A |  |
| 3 | SKIL | B | POLR2A |  |
| 4 | SMAD1 | B | POLR2A | SMAD family |
| 18 | SMAD2 | B | POLR2A | SMAD family |
| 15 | SMAD3 | B | POLR2A | SMAD family |
| 18 | SMAD4 | B | POLR2A | SMAD family |
| 5 | SMAD5 | B | POLR2A | SMAD family |
| 13 | SMAD9 | B | EZH2 + POLR2A | SMAD family |
| 20 | SNAI1 | B | POLR2A | ZNF |
| 8 | SNAI2 | B | POLR2A>EZH2 | ZNF |
| 16 | SNAI3 | B | POLR2A | ZNF |
| 9 | SNAPC4 | B | POLR2A | SNAP family |
| 13 | SOX1 | T | EZH2 | SOX family |
| 22 | SOX10 | T | POLR2A + EZH2 | SOX family |
| 2 | SOX11 | T | EZH2 | SOX family |
| 20 | SOX12 | B | POLR2A | SOX family |
| 1 | SOX13 | B | POLR2A | SOX family |
| 3 | SOX14 | T | EZH2 | SOX family |
| 17 | SOX15 | B | POLR2A | SOX family |
| 8 | SOX17 | T | EZH2 > POLR2A | SOX family |
| 20 | SOX18 | B | EZH2 + POLR2A | SOX family |
| 3 | SOX2 | T | EZH2 + POLR2A | SOX family |
| 13 | SOX21 | T | EZH2 | SOX family |
| 23 | SOX3 | T | EZH2 + POLR2A | SOX family |
| 5 | SOX30 | T | POLR2A- | SOX family |
| 6 | SOX4 | B | POLR2A > EZH2 | SOX family |
| 12 | SOX5 | B | POLR2A | SOX family |
| 11 | SOX6 | B | POLR2A | SOX family |
| 8 | SOX7 | B | EZH2 + POLR2A | SOX family |
| 16 | SOX8 | T | EZH2 | SOX family |
| 17 | SOX9 | B | POLR2A > EZH2 | SOX family |
| 12 | SP1 | B | POLR2A | ZNF |
| 2 | SP100 | B | POLR2A | ? not TF? |
| 2 | SP110 | B | POLR2A | Nuclear body protein |
| 17 | SP2 | B | POLR2A | Sp family |
| 2 | SP3 | B | POLR2A | Sp family |
| 7 | SP4 | B | POLR2A | Sp family |
| 2 | SP5 | T | POLR2A + EZH2 | Sp family |
| 17 | SP6 | T | EZH2 | Sp family |
| 12 | SP7 | T | EZH2 | Sp family |
| 7 | SP8 | T | EZH2 | Sp family |
| 11 | SPI1 | B | POLR2A | ETS family |
| 19 | SPIB | T | POLR2A + EZH2 | ETS family |
| 12 | SPIC | T | neither | ETS family |
| 17 | SREBF1 | B | POLR2A | bHLH |
| 22 | SREBF2 | B | POLR2A | bHLH |
| 6 | SRF | B | POLR2A | MADS box |
| 24 | SRY | T | neither | HMG box |
| 2 | STAT1 | B | POLR2A | STAT family |
| 12 | STAT2 | B | POLR2A | STAT family |
| 17 | STAT3 | B | POLR2A | STAT family |
| 2 | STAT4 | B | POLR2A- | STAT family |
| 17 | STAT5A | B | POLR2A | STAT family |
| 17 | STAT5B | B | POLR2A | STAT family |
| 12 | STAT6 | B | POLR2A | STAT family |
| 1 | TAL1 | B | EZH2 | bHLH |
| 9 | TAL2 | T | neither | bHLH |
| 11 | TBX10 | T | POLR2A | T box TCACACCT |
| 1 | TBX15 | T | EZH2 | T box early embryo |
| 6 | TBX18 | T | EZH2 | T box |
| 1 | TBX19 | B | POLR2A- | T box |
| 17 | TBX2 | B | EZH2 >> POLR2A | T box |
| 7 | TBX20 | T | EZH2 | T box |
| 17 | TBX21 | T | EZH2+POLR2A | T box |
| 23 | TBX22 | T | EZH2 | T box |
| 12 | TBX3 | B | EZH2 > POLR2A | T box |
| 17 | TBX4 | T | EZH2 | T box |
| 12 | TBX5 | T | EZH2 | T box |
| 16 | TBX6 | B | POLR2A | T box |
| 6 | TBXT | T | EZH2 | T box |
| 15 | TCF12 | B | POLR2A | bHLH |
| 20 | TCF15 | T | EZH2 > POLR2A | bHLH |
| 6 | TCF19 | B | POLR2A | ZNF |
| 22 | TCF20 | B | neither | NR? |
| 6 | TCF21 | T | EZH2 | bHLH |
| 2 | TCF23 | T | POLR2A | bHLH |
| 8 | TCF24 | T | EZH2 | bHLH |
| 16 | TCF25 | B | POLR2A | bHLH |
| 19 | TCF3 | B | POLR2A | bHLH |
| 18 | TCF4 | B | POLR2A | bHLH |
| 5 | TCF7 | B | POLR2A | HMG box |
| 2 | TCF7L1 | B | POL + EZH2 | HMG box |
| 10 | TCF7L2 | B | POLR2A | HMG box |
| 20 | TCFL5 | B | POLR2A | bHLH |
| 11 | TEAD1 | B | POLR2A | TEA domain CATTCC[AT] |
| 19 | TEAD2 | B | POLR2A | TEA domain |
| 6 | TEAD3 | B | POLR2A | TEA domain |
| 12 | TEAD4 | B | POLR2A | TEA domain |
| 6 | TFAP2A | T | EZH2 + POLR2A | AP-2 group |
| 6 | TFAP2B | T | EZH2 | AP-2 group |
| 20 | TFAP2C | T | EZH2>POLR2A | AP-2 group |
| 6 | TFAP2D | T | EZH2 | AP-2 group |
| 1 | TFAP2E | B | POLR2A + EZH2 | AP-2 group |
| 16 | TFAP4 | B | POLR2A | bHLH |
| 12 | TFCP2 | B | POLR2A |  |
| 23 | TFCP2L1 | B/T | POLR2A/EZH2 |  |
| 13 | TFDP1 | B | POLR2A | E2F dimerization |
| 3 | TFDP2 | B | POLR2A | E2F dimerization |
| 23 | TFDP3 | T | neither | E2F dimerization |
| 23 | TFE3 | B | POLR2A | bHLH |
| 6 | TFEB | B | POLR2A | bHLH |
| 7 | TFEC | T | neither | bHLH |
| 18 | TGIF1 | B | POLR2A | Homeobox (TALE) |
| 23 | TGIF2LX | T | POLR2A- | Homeobox |
| 24 | TGIF2LY | T | neither | Homeobox |
| 15 | THAP10 | B | POLR2A | THAP domain ZNF |
| 1 | THAP3 | B | POLR2A | THAP domain ZNF |
| 17 | THRA | B | POLR2A | NR family |
| 3 | THRB | B | POLR2A + EZH2 | NR family |
| 10 | TLX1 | T | EZH2 | Homeobox (NK-like) |
| 2 | TLX2 | T | EZH2 | Homeobox |
| 5 | TLX3 | T | EZH2 | Homeobox |
| 8 | TOX | T | POLR2A + EZH2 | HMG box |
| 20 | TOX2 | B | EZH2 + POLR2A | HMG box |
| 16 | TOX3 | T | POLR2A + EZH2 | HMG box |
| 14 | TOX4 | B | POLR2A | HMG box |
| 17 | TP53 | B | POLR2A |  |
| 3 | TP63 | T | POLR2A |  |
| 1 | TP73 | T | POLR2A |  |
| 13 | TSC22D1 | B | POLR2A | L-ZIP TSC22 domain |
| 23 | TSC22D3 | B | POLR2A | L-ZIP TSC22 domain |
| 7 | TSC22D4 | B | POLR2A | L-ZIP TSC22 domain |
| 18 | TSHZ1 | B | POLR2A | ZNF homeobox |
| 20 | TSHZ2 | T | POLR2A | ZNF homeobox |
| 19 | TSHZ3 | T | POLR2A = EZH2 | ZNF homeobox |
| 3 | UBP1 | B | POLR2A |  |
| 17 | UBTF | B | POLR2A | HMG box |
| 7 | UNCX | T | EZH2 | Homeobox |
| 16 | UNKL | B | POLR2A | ZNF |
| 1 | USF1 | B | POLR2A |  |
| 19 | USF2 | B | POLR2A |  |
| 10 | VAX1 | T | EZH2 | Homeobox |
| 2 | VAX2 | T/B | EZH2 > POLR2A | Homeobox |
| 20 | VSX1 | T | EZH2 | Homeobox |
| 14 | VSX2 | T | EZH2 | Homeobox |
| 1 | YBX1 | B | POLR2A | Y-box |
| 1 | YBX2 | B | POLR2A | Y-box |
| 12 | YBX3 | B | POLR2A | Y-box |
| 14 | YY1 | B | POLR2A | ZNF |
| 23 | YY2 | B | neither | ZNF |
| 23 | ZBED1 | B | POLR2A | ZNF |
| 22 | ZBED4 | B | POLR2A > EZH2 | ZNF |
| 14 | ZBTB1 | B | POLR2A- | ZNF-BTB |
| 3 | ZBTB11 | B | POLR2A | ZNF-BTB |
| 18 | ZBTB14 | B | POLR2A | ZNF-BTB |
| 11 | ZBTB16 | B | EZH2 > POLR2A | ZNF-BTB |
| 1 | ZBTB17 | B | POLR2A | ZNF-BTB |
| 1 | ZBTB18 | B | POLR2A | ZNF |
| 6 | ZBTB2 | B | POLR2A | ZNF-BTB |
| 3 | ZBTB20 | B | POLR2A | ZNF-BTB |
| 21 | ZBTB21 | B | POLR2A | ZNF |
| 6 | ZBTB24 | B | POLR2A | ZNF-BTB |
| 19 | ZBTB32 | T | POLR2A | ZNF-BTB |
| 23 | ZBTB33 | B | POLR2A | ZNF-BTB |
| 9 | ZBTB34 | B | POLR2A | ZNF-BTB |
| 3 | ZBTB38 | B | POLR2A- | ZNF-BTB |
| 12 | ZBTB39 | B | POLR2A | ZNF-BTB |
| 17 | ZBTB4 | B | POLR2A | ZNF-BTB |
| 1 | ZBTB41 | B | POLR2A | ZNF-BTB |
| 9 | ZBTB43 | B | POLR2A | ZNF-BTB |
| 19 | ZBTB45 | B | POLR2A | ZNF-BTB |
| 20 | ZBTB46 | B | EZH2 + POLR2A | ZNF-BTB |
| 3 | ZBTB47 | B | POLR2A | ZNF-BTB |
| 1 | ZBTB48 | B | POLR2A | ZNF-BTB |
| 9 | ZBTB5 | B | POLR2A | ZNF-BTB |
| 19 | ZBTB7A | B | POLR2A | ZNF-BTB |
| 1 | ZBTB7B | B | POLR2A | ZNF-BTB |
| 1 | ZC3H11A | B | POLR2A | ZNF E-box homeobox |
| 2 | ZC3H15 | B | POLR2A | ZNF E-box homeobox |
| 8 | ZC3H3 | B | POLR2A | ZNF E-box homeobox |
| 10 | ZEB1 | B | POLR2A | ZNF + homeobox |
| 2 | ZEB2 | B | EZH2 + POLR2A | ZNF + homeobox |
| 8 | ZFAT | B | POLR2A | ZNF AT-Hook domain |
| 14 | ZFHX2 | B | POLR2A | ZNF homeobox |
| 14 | ZFHX2 | B | POLR2A | ZNF |
| 16 | ZFHX3 | B | EZH2 + POLR2A | ZNF homeobox |
| 9 | ZFP37 | B | EZH2 > POLR2A | ZNF |
| 20 | ZFP64 | B | POLR2A | ZNF |
| 16 | ZFPM1 | B | POLR2A | ZNF FOG |
| 8 | ZFPM2 | B | POLR2A > EZH2 | ZNF FOG |
| 23 | ZFX | B | POLR2A | ZNF X-linked |
| 24 | ZFY | B | POLR2A | ZNF Y linked |
| 14 | ZFYVE26 | B | POLR2A | ZNF FYVE type |
| 8 | ZHX1 | B | POLR2A | ZNF + homeobox |
| 8 | ZHX2 | B | EZH2 + POLR2A | ZNF + homeobox |
| 20 | ZHX3 | B | POLR2A |  |
| 3 | ZIC1 | T | EZH2 | ZNF |
| 13 | ZIC2 | T | POLR2A+ EZH2+ | ZNF |
| 23 | ZIC3 | T | EZH2 | ZNF |
| 3 | ZIC4 | T | EZH2 | ZNF |
| 13 | ZIC5 | T | EZH2 | ZNF |
| 19 | ZKSCAN1 | T | POLR2A | ZNF + KRAB +SCAN |
| 16 | ZKSCAN2 | B | POLR2A | ZNF + KRAB +SCAN |
| 6 | ZKSCAN3 | B | POLR2A | ZNF + KRAB +SCAN |
| 11 | ZKSCAN4 | B | POLR2A | ZNF + KRAB +SCAN |
| 7 | ZKSCAN5 | B | POLR2A | ZNF + KRAB +SCAN |
| 23 | ZMAT1 | B | POLR2A | ZNF Martin type |
| 3 | ZMAT3 | B | POLR2A | ZNF Martin type |
| 12 | ZNF10 | B | POLR2A | ZNF |
| 7 | ZNF12 | B | POLR2A | ZNF |
| 5 | ZNF131 | B | POLR2A | ZNF |
| 19 | ZNF134 | B | POLR2A | ZNF |
| 19 | ZNF136 | B | POLR2A | ZNF |
| 11 | ZNF143 | B | POLR2A | ZNF |
| 19 | ZNF146 | B | POLR2A | ZNF |
| 3 | ZNF148 | B | POLR2A | ZNF |
| 23 | ZNF157 | T | neither | ZNF |
| 8 | ZNF16 | B | POLR2A | ZNF |
| 16 | ZNF174 | B | POLR2A | ZNF |
| 19 | ZNF175 | B | POLR2A | ZNF |
| 6 | ZNF184 | B | POLR2A | ZNF |
| 11 | ZNF202 | B | POLR2A | ZNF |
| 20 | ZNF217 | B | POLR2A | ZNF |
| 14 | ZNF219 | B | POLR2A | ZNF |
| 19 | ZNF224 | B | POLR2A | ZNF |
| 18 | ZNF24 | B | POLR2A | ZNF |
| 8 | ZNF251 | B | POLR2A | ZNF |
| 19 | ZNF256 | B | POLR2A | ZNF |
| 19 | ZNF260 | B | POLR2A | ZNF |
| 16 | ZNF276 | B | POLR2A | ZNF |
| 22 | ZNF280A | T | neither | ZNF |
| 1 | ZNF281 | B | POLR2A | ZNF |
| 7 | ZNF282 | B | POLR2A | ZNF |
| 6 | ZNF292 | B | POLR2A | ZNF |
| 19 | ZNF296 | B | POLR2A | ZNF |
| 5 | ZNF300 | B | POLR2A | ZNF |
| 19 | ZNF304 | B | POLR2A | ZNF |
| 16 | ZNF319 | B | POLR2A | ZNF |
| 10 | ZNF32 | B | POLR2A | ZNF |
| 6 | ZNF322A | B | POLR2A | ZNF |
| 19 | ZNF333 | B | POLR2A | ZNF |
| 20 | ZNF335 | B | POLR2A | ZNF |
| 20 | ZNF341 | B | POLR2A | ZNF |
| 19 | ZNF350 | B | POLR2A | ZNF |
| 5 | ZNF354A | B | POLR2A | ZNF |
| 5 | ZNF354B | B | POLR2A | ZNF |
| 5 | ZNF354C | B | POLR2A | ZNF |
| 1 | ZNF362 | B | POLR2A | ZNF |
| 10 | ZNF365 | T | EZH2 | ZNF |
| 5 | ZNF366 | B | POLR2A | ZNF |
| 9 | ZNF367 | B | POLR2A | ZNF |
| 10 | ZNF37A | B | POLR2A | ZNF |
| 19 | ZNF382 | B | POLR2A | ZNF |
| 12 | ZNF384 | B | POLR2A | ZNF |
| 7 | ZNF394 | B | POLR2A | ZNF |
| 7 | ZNF398 | B | POLR2A | ZNF |
| 14 | ZNF410 | B | POLR2A | ZNF |
| 19 | ZNF415 | B | POLR2A | ZNF |
| 19 | ZNF418 | B | POLR2A | ZNF |
| 16 | ZNF423 | B | POLR2A | ZNF |
| 7 | ZNF425 | B | POLR2A | ZNF |
| 19 | ZNF426 | B | POLR2A | ZNF |
| 19 | ZNF430 | B | POLR2A | ZNF |
| 19 | ZNF431 | B | POLR2A | ZNF |
| 10 | ZNF438 | B | POLR2A | ZNF |
| 19 | ZNF444 | B | POLR2A | ZNF |
| 3 | ZNF445 | B | POLR2A | ZNF |
| 7 | ZNF467 | B | POLR2A | ZNF |
| 19 | ZNF480 | B | POLR2A | ZNF |
| 10 | ZNF488 | T | POLR2A | ZNF |
| 1 | ZNF496 | B | POLR2A | ZNF |
| 4 | ZNF509 | B | POLR2A | ZNF |
| 9 | ZNF510 | B | POLR2A | ZNF |
| 2 | ZNF513 | B | POLR2A | ZNF |
| 18 | ZNF516 | B | POLR2A | ZNF |
| 18 | ZNF521 | B | EZH2 | ZNF |
| 19 | ZNF536 | T | POLR2A | ZNF |
| 19 | ZNF551 | B | POLR2A | ZNF |
| 19 | ZNF568 | B | POLR2A | ZNF |
| 1 | ZNF593 | B | POLR2A | ZNF |
| 16 | ZNF598 | B | POLR2A | ZNF |
| 19 | ZNF606 | B | POLR2A | ZNF |
| 5 | ZNF608 | B | POLR2A | ZNF |
| 15 | ZNF609 | B | POLR2A | ZNF |
| 5 | ZNF622 | B | POLR2A | ZNF |
| 19 | ZNF628 | B | POLR2A | ZNF |
| 2 | ZNF638 | B | POLR2A | ZNF |
| 12 | ZNF641 | B | POLR2A | ZNF |
| 1 | ZNF642 | B | POLR2A | ZNF |
| 1 | ZNF644 | B | POLR2A | ZNF |
| 19 | ZNF649 | B | POLR2A | ZNF |
| 17 | ZNF652 | B | POLR2A | ZNF |
| 19 | ZNF653 | B | POLR2A | ZNF |
| 9 | ZNF658 | B | POLR2A | ZNF |
| 1 | ZNF683 | T | neither | ZNF |
| 1 | ZNF691 | B | POLR2A | ZNF |
| 19 | ZNF699 | B | POLR2A | ZNF |
| 8 | ZNF703 | B | POLR2A | ZNF |
| 8 | ZNF704 | B | POLR2A | ZNF |
| 8 | ZNF706 | B | POLR2A | ZNF |
| 15 | ZNF710 | B | POLR2A | ZNF |
| 23 | ZNF711 | B | POLR2A | ZNF |
| 12 | ZNF740 | B | POLR2A | ZNF |
| 7 | ZNF746 | B | POLR2A | ZNF |
| 17 | ZNF750 | T | POLR2A | ZNF |
| 7 | ZNF777 | B | POLR2A | ZNF |
| 9 | ZNF782 | B | POLR2A | ZNF |
| 7 | ZNF786 | B | POLR2A | ZNF |
| 19 | ZNF8 | B | POLR2A | ZNF |
| 16 | ZNF821 | B | POLR2A | ZNF |
| 19 | ZNF829 | B | POLR2A | ZNF |
| 17 | ZNF830 | B | POLR2A | ZNF |
| 20 | ZNF831 | T | POLR2A | ZNF |
| 19 | ZNF837 | B | POLR2A | ZNF |
| 19 | ZNF845 | B | POLR2A | ZNF |
| 19 | ZNF91 | B | POLR2A | ZNF |
| 19 | ZNF93 | B | POLR2A | ZNF |
| 19 | ZSCAN1 | T | POLR2A | ZNF + SCAN |
| 16 | ZSCAN10 | T | POLR2A | ZNF + SCAN |
| 6 | ZSCAN12 | B | neither | ZNF + SCAN |
| 6 | ZSCAN16 | B | POLR2A | ZNF + SCAN |
| 15 | ZSCAN2 | B | POLR2A- | ZNF + SCAN |
| 19 | ZSCAN20 | B | POLR2A | ZNF + SCAN |
| 7 | ZSCAN21 | B | POLR2A | ZNF + SCAN |
| 19 | ZSCAN22 | B | POLR2A | ZNF + SCAN |
| 6 | ZSCAN23 | B | POLR2A | ZNF + SCAN |
| 15 | ZSCAN29 | B | POLR2A | ZNF + SCAN |
| 19 | ZSCAN4 | T | neither | ZNF + SCAN |
| 19 | ZSCAN5A | T | POLR2A | ZNF + SCAN |
| 23 | ZXDA | B | POLR2A | ZNF X-linked 10X ZNF |
| 23 | ZXDB | B | POLR2A | ZNF X-linked |

**Supplementary Table 4:** All database human transcription factor genes with annotated protein structural elements (1020 genes).