NIT1 AHR **FOSB CEBPB AHR FEV FOSB CEBPE** OSR2 AHR KLF1 FOSB IKZF3 PLK4 ARID1A FOSB OSR2 PLK4 STIL POU3F2 ARRDC3 FOSB PTPN12 ATL1 FOSB UBASH3B POU3F2 CBFA2T3 BAK1 FOXA1 POU3F2 FOXL2 BCL2L11 PRDM1 FOXA1 FOXF1 PRDM1 CBFA2T3 BCL2L11 BAK1 FOXA1 FOXL2 BCL2L11 TGFBR2 FOXA1 HOXB9 **PRTG** BCORL1 FOXA3 PTPN1 **BPGM** FOXA3 FOXA1 PTPN9 BPGM SAMD1 FOXA3 FOXF1 PTPN12 **BPGM ZBTB1** FOXA3 FOXL2 PTPN12 OSR2 C3orf72 FOXA3 HOXB9 PTPN12 PTPN9 C3orf72 FOXL2 FOXF1 PTPN12 SNAI1 PTPN12 UBASH3A FOXF1 FOXL2 C19orf26 FOXF1 HOXB9 CBFA2T3 PTPN12 ZBTB25 CBL FOXL2 PTPN13 RHOXF2 CBL CNN1 FOXL2 HOXB9 **CBL PTPN9** FOXL2 MEIS1 **RHOXF2 SET** CBL PTPN12 FOXO4 RHOXF2 ZBTB25 CBL TGFBR2 GLB1L2 RREB1 **CBL UBASH3A** HES7 RUNX1T1 S1PR2 CBL UBASH3B HK2 CDKN1A HNF4A SAMD1 CDKN1B HOXA13 SAMD1 PTPN12 CDKN1B CDKN1A SAMD1 TGFBR2 HOXB9 CDKN1C HOXC13 SAMD1 UBASH3B CDKN1C CDKN1A IER5L SAMD1 ZBTB1 CDKN1C CDKN1B IGDCC3 SET CEBPA IGDCC3 MAPK1 SET CEBPE CEBPB SET KLF1 IGDCC3 PRTG **IGDCC3 ZBTB25** CEBPB CEBPA SGK1 CEBPB MAPK1 IKZF3 SGK1 S1PR2 IRF1 SGK1 TBX2 CEBPB OSR2 CEBPB PTPN12 **IRF1 SET** SGK1 TBX3 **CEBPE** ISL2 SLC4A1 SLC6A9 **CEBPE CEBPA** JUN **CEBPE CEBPB** JUN CEBPA SLC38A2 CEBPE CNN1 JUN CEBPB SNAI1 **KIAA1804** SNAI1 DLX2 CEBPE KLF1 CEBPE PTPN12 KIF2C SNAI1 UBASH3B SPI1 CEBPE RUNX1T1 KIF18B **STIL** CEBPE SPI1 KIF18B KIF2C CELF2 KLF1 TBX2 CITED1 TBX3 KLF1 BAK1 CKS1B KLF1 CEBPA TBX3 TBX2 CLDN6 KLF1 CLDN6 TGFBR2 CNN1 KLF1 COL2A1 TGFBR2 C19orf26 CNN1 MAPK1 KLF1 FOXA1 TGFBR2 ETS2 CNN1 UBASH3A KLF1 MAP2K6 TGFBR2 IGDCC3 CNNM4 KLF1 TGFBR2 TGFBR2 PRTG COL1A1 KMT2A TMSB4X COL2A1 LHX1 TMSB4X BAK1 TP73 CSRNP1 LHX1 ELMSAN1 TSC22D1 DLX2 LYL1 DUSP9 LYL1 CEBPB **UBASH3A UBASH3B** DUSP9 ETS2 LYL1 IER5L **DUSP9 IGDCC3** MAML2 UBASH3B CNN1 DUSP9 KLF1 MAP2K3 **UBASH3B OSR2** DUSP9 MAPK1 MAP2K3 ELMSAN1 **UBASH3B PTPN9** DUSP9 PRTG MAP2K3 IKZF3 **UBASH3B PTPN12** MAP2K3 MAP2K6 DUSP9 SNAI1 **UBASH3B UBASH3A** EGR1 MAP2K3 SLC38A2 **UBASH3B ZBTB25** ELMSAN1 MAP2K6 ZBTB1 MAP2K6 ELMSAN1 ETS2 ZBTB10 ETS2 CEBPE MAP2K6 IKZF3 ZBTB10 DLX2 ETS2 CNN1 ZBTB10 ELMSAN1 MAP2K6 SPI1 ZBTB10 PTPN12 ETS2 IGDCC3 MAP4K3 ETS2 IKZF3 MAP4K5 ZBTB10 SNAI1 ETS2 MAP7D1 MAP7D1 ZBTB25 ETS2 MAPK1 MAPK1 ZC3HAV1 ETS2 PRTG MAPK1 IKZF3 ZC3HAV1 CEBPA ZC3HAV1 CEBPE FEV MAPK1 PRTG FEV CBFA2T3 MAPK1 TGFBR2 ZC3HAV1 HOXC13 FEV ISL2 MEIS1 ZNF318 FEV MAP7D1 MIDN ZNF318 FOXL2 FOSB NCL control



