

Genes of main fetal hemoglobin expression regulators.

Gene	Genetic Region
ZBTB7A	chr19: 4,043,303 - 4,066,899
BCL11A	chr2: 60,457,679 - 60,553,658
KLF1 enhancer region	chr19: 12,884,422 - 12,887,201
NF-E2	chr12: 54,292,111 - 54,301,015
GATA-1 (NF-E1, Ery-1 and GF-1)	chrX: 48,786,590 - 48,794,311
GATA-2	chr3: 128,479,427-128,493,201
ZFPM1 (FOG-1)	chr16: 88,453,280 - 88,537,031
SP1	chr12: 53,380,176 - 53,416,446
SOX6	chr11: 15,966,449 - 16,476,388
c-kit ligand (KL)	chr13: 33,016,423 - 33,066,143
Tal-1	chr1: 47,216,291 - 47,232,225
NF-E4 (N46W)	chr7: 102,973,492 - 102,988,847
MBD-2	chr18: 54,151,606 - 54,224,669
MBD-3	chr19: 1,573,596 - 1,592,865
CDH3	Chr16: 68,645,310 - 68,700,292
CHD4 (Mi2 β)	chr12: 6,570,082 - 6,607,379
PRMT1	chr19: 49,677,152 - 49,688,447
CHTOP (friend of PRMT1)	chr1: 153,634,066 - 153,646,306
RCOR1	chr14: 102,592,649 - 102,730,561
PRMT5	chr14: 22,920,529 - 22,929,376
MTA1	chr14: 105,419,827 - 105,470,729
MTA2	chr11: 62,593,214 - 62,601,865
Sin3A	chr15: 75,370,933 - 75,455,783
HBG1	chr11: 5,248,269 - 5,249,857
HBG2	chr11: 5,253,188 - 5,254,781
HDAC1	chr1: 32,292,083 - 32,333,626
HDAC2	chr6: 113,933,028 - 113,971,148
KDM1A (LSD1)	chr1: 23,019,468 - 23,083,689

LRF/ZBTB7A: Leukemia/lymphoma-related factor, BCL11A: B-cell lymphoma/leukemia 11A, KLF1: Erythroid Krüppel-Like Factor, NF-E2: Nuclear Factor, Erythroid 2, GATA-1: GATA Binding Protein 1, GATA-2: GATA Binding Protein 2, ZFPM-1: Zinc finger protein multitype 1, FOG-1: Friend of GATA-1 (FOG-1), SP1: Specificity protein 1, SOX6: SRY-box transcription factor 6, KL: c-kit ligand, TAL-1: T-cell acute leukemia 1, NF-E4: Nuclear Factor, Erythroid 4, MBD2/3: Methyl CpG Binding Domains 2 or 3, CHD3/4: Chromodomain Helicase DNA Binding Proteins 3 or 4, PRMT1: Protein Arginine Methyltransferase 1, CHTOP: chromatin target of PRMT1, RCOR-1: REST corepressor 1, PRMT5: Protein Arginine Methyltransferase 5, MTA1/2: Metastasis-Associated Proteins 1 or 2, SIN3A: SIN3 Transcription Regulator Family Member A, HBG1: Hemoglobin Subunit Gamma 1, HBG2: Hemoglobin Subunit Gamma 2, HDAC1/2: Histone Deacetylases 1 or 2, KDM1A: (K)-specific demethylase 1A, LSD1: Lysine-specific demethylase 1.