

FF:11224-116B9

Name: CD14+ Monocytes, donor1
 Species: Human (Homo sapiens)
 Library ID: CNhs10852
 Sample type: primary cells
 Genomic View: zenbu, UCSC

Sample information		RNA information	
strain	NA	lot number	Mon725
tissue	blood	catalog number	3H100-30-10
dev stage	47 years old adult	sample type	total RNA
sex	male	extraction protocol	OP-RNA-extraction-totalRNA-TRIzol-isopropanol-v1.0
age	47		
cell type	monocyte		
cell line	NA		
company	3HBiomedical		
collaboration	FANTOM5 OSC CORE (contact: Al Forrest)		
External link for information	3HBIOMED		

Accession numbers					
Method	Sample accession id				
CAGE	DRS008019				
Library accession numbers					
Library id	Method	Exp. accession id	Run accession id	BAM accession id	CTSS accession id
CNhs10852	CAGE	DRX008126	DRR008998	DRZ000423	DRZ001808

Relative expression to median (log10)

Transcription factors with enriched expression in this sample

CAGE peaks	Log10(Relative expression over median)	TPM	TF
p1@PLEK	2.90	793.88	PLEK
p1@SPI1	2.61	405.52	SP1
p2@NFKB1Z	2.29	267.03	NFKB1Z
p1@ZEB2	2.26	2250.33	ZEB2
p1@IRF8	2.26	178.94	IRF8
p5@ZEB2	2.20	156.23	ZEB2
p1@ZNF385A	2.17	147.36	ZNF385A
p1@THAP2	2.07	154.56	THAP2
p1@NFKB1A	2.06	6671.21	NFKB1A
p1@PRDM1	2.06	305.81	PRDM1

Co-expression clusters with enriched expression in this sample

Coexpression cluster	score
C6-CD14-Eosinophils-Basophils-Peripheral-CD34-Natural-immature	1.12
C213-CD14-Natural-CD8-CD4-Basophils-Eosinophils-Peripheral	0.99
C246-Neutrophils-Eosinophils-Whole-CD14-CD14CD16-Basophils-migratory	0.97
C293-CD14-CD14CD16-Basophils-Peripheral-immature-Eosinophils-CD34	0.85
C151-CD14-Natural-Basophils-CD8-Eosinophils-CD4-Mast	0.82
C265-CD4-Eosinophils-CD14-Natural-CD19-Basophils-CD8	0.82
C294-CD14-Macrophage-Monocytederived-CD14CD16-Neutrophils-Basophils-Peripheral	0.82
C192-Neutrophils-CD14-Peripheral-Eosinophils-CD8-Natural-CD4	0.81
C26-Eosinophils-Neutrophils-CD14-CD14CD16-Basophils-Monocytederived-Whole	0.79
C290-Eosinophils-CD14-Basophils-Mast-CD4-CD8-immature	0.78

FANTOM5 phase1 novel unique motifs

Novel motif	Logo	p-value
106		1.46e-3
41		8.08e-3
99		8.15e-3
123		1.12e-2
137		1.64e-2

de novo motifs identified by HOMER in promoters active in this sample

Rank	Motif	P-value	Targetswith Motif	Backgroundswith Motif	Best Match (Score) and Link to Details
1		1e-520	21.89%	5.34%	HIF1b(hLH)/O785-HIF1b-CHIP-Seq(GSE34871)/Homer (0.99)
2		1e-424	39.44%	17.77%	PR0058_1_Sfp1_1 (0.95)
3		1e-327	26.22%	10.38%	CREB1.p2.SwissRegulon.nudfreq (0.88)
4		1e-220	42.22%	25.39%	CEBPE_f1_HM09 (0.82)
5		1e-215	21.60%	9.48%	MA0101.1_REL (0.96)

Co-expression clusters with enriched expression in this sample

Coexpression cluster	score
C6-CD14-Eosinophils-Basophils-Peripheral-CD34-Natural-immature	1.12
C213-CD14-Natural-CD8-CD4-Basophils-Eosinophils-Peripheral	0.99
C246-Neutrophils-Eosinophils-Whole-CD14-CD14CD16-Basophils-migratory	0.97
C293-CD14-CD14CD16-Basophils-Peripheral-immature-Eosinophils-CD34	0.85
C151-CD14-Natural-Basophils-CD8-Eosinophils-CD4-Mast	0.82
C265-CD4-Eosinophils-CD14-Natural-CD19-Basophils-CD8	0.82
C294-CD14-Macrophage-Monocytederived-CD14CD16-Neutrophils-Basophils-Peripheral	0.82
C192-Neutrophils-CD14-Peripheral-Eosinophils-CD8-Natural-CD4	0.81
C26-Eosinophils-Neutrophils-CD14-CD14CD16-Basophils-Monocytederived-Whole	0.79
C290-Eosinophils-CD14-Basophils-Mast-CD4-CD8-immature	0.78

Repeat families with enriched expression in this sample

Repeat family	Log10(Relative expression over median)
RTE_CR1	1.64
MIR_ERVL-MaLR	1.14
Merlin	0.97
L1_ERVL-MaLR	0.88
SINE?	0.88