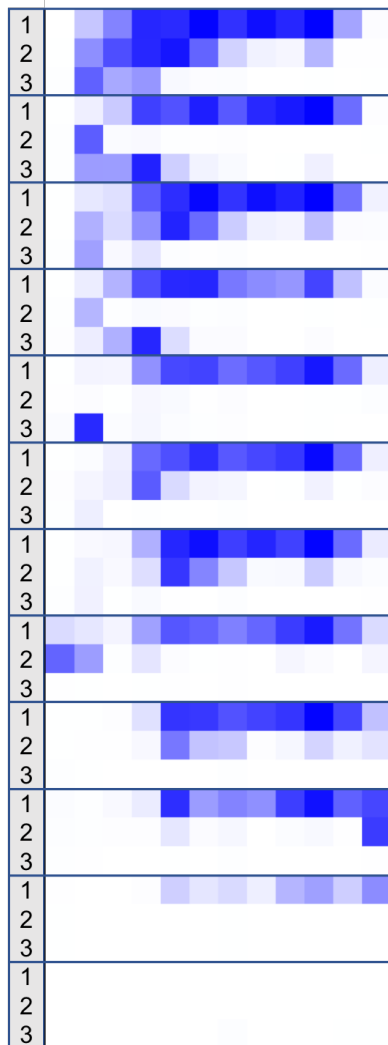


(a)

Emission Parameters

State



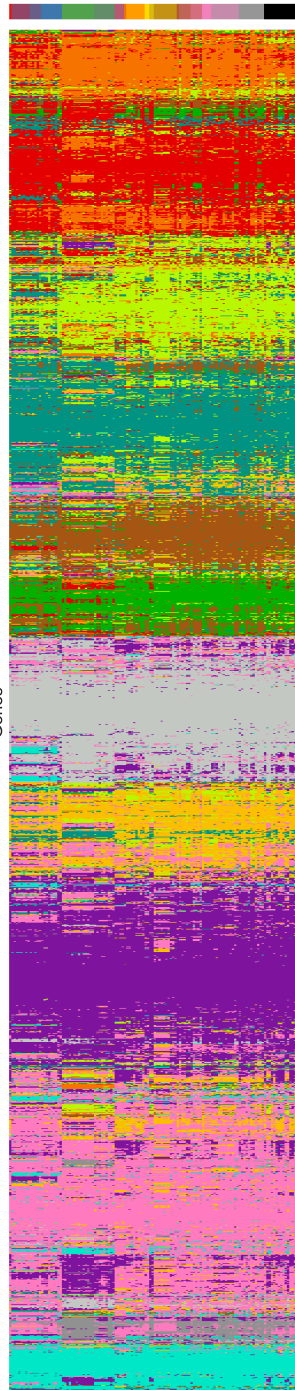
H3K9me3  
H3K36me3  
H4K20me1  
H3K79me2  
H3K4me1  
H3K27ac  
DNase  
H3K9ac  
H3K4me3  
H3K4me2  
H2A.Z  
H3K27me3

(b)

ChromGene  
Annotation

strong\_trans\_enh  
strong\_trans  
trans\_enh  
trans\_cons  
trans\_K36me3  
trans\_K79me2  
weak\_trans\_enh  
znf  
poised  
bivalent  
low  
quiescent

Genes



Cell types

Cell Type Group

IMR90  
ESC  
iPSC  
ES-deriv  
Blood & T-cell  
HSC & B-cell  
Mesench  
Myosat  
Epithelial  
Neurospth  
Thymus  
Brain  
Adipose  
Muscle  
Heart  
Sm. Muscle  
Digestive  
Other  
ENCODE2012

ChromGene  
Annotation

strong\_trans\_enh  
strong\_trans  
trans\_enh  
trans\_cons  
trans\_K36me3  
trans\_K79me2  
weak\_trans\_enh  
znf  
poised  
bivalent  
low  
quiescent