



Variable	Distribution	Description
y_i	Negative-binomial	MeDIP-seq read count
x_{ik}	None	Fractional methylation level in reference
z_i	None	CpG density around the site
π	Logit-normal	Cell type proportions
τ	Normal	Dispersion parameter of π
$\mathbf{\Xi}$	None	Correlation matrix between cell types
θ_k	Normal	Location parameter of π
w_j^μ	Normal	Regression coefficient on location parameter of y_i
w_j^σ	Normal	Regression coefficient on dispersion parameter of y_i

