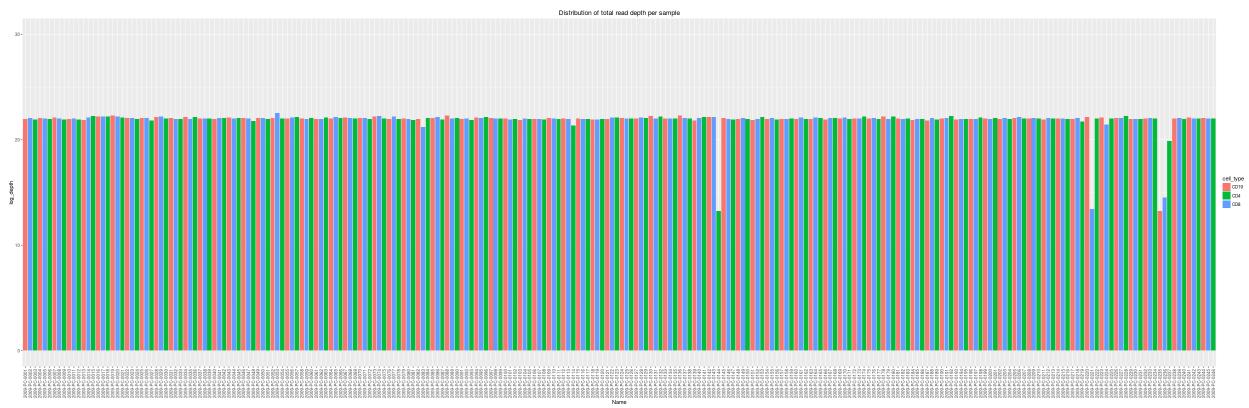
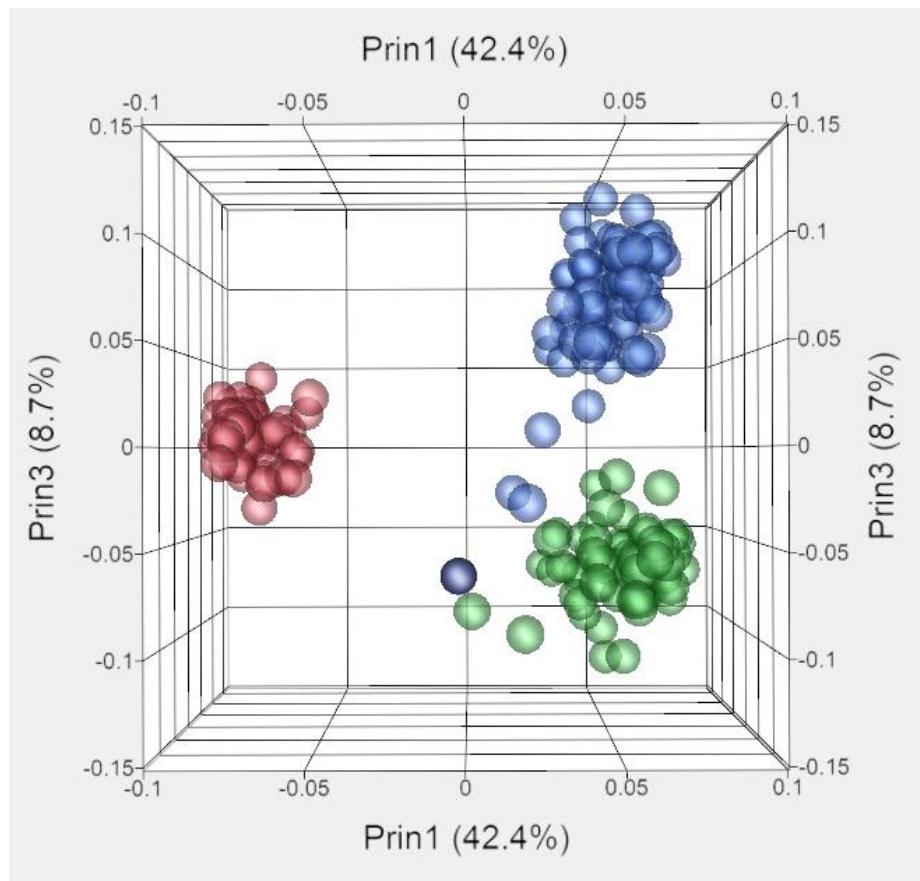


### Sample excluded from analysis

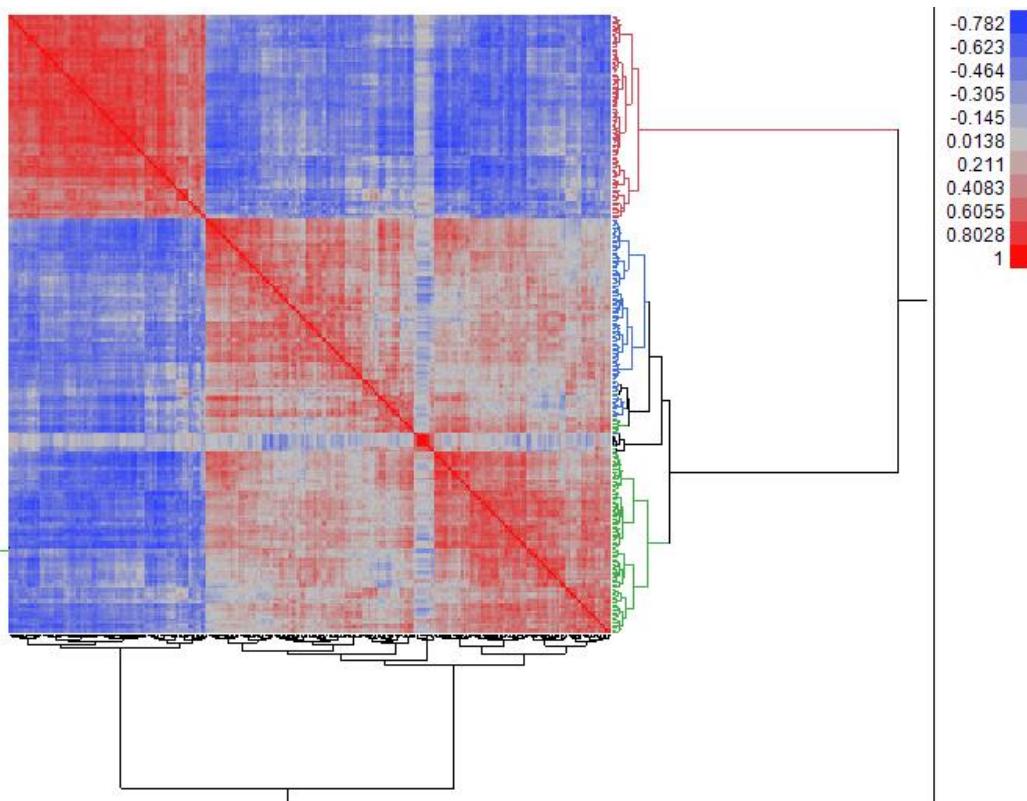
Sample name	Subject ID	Cell type	Reason	Excluded from
PC-2009-0144	M048	CD4+	Mahalanobis distance, low coverage	Entire analysis
PC-2009-0221	M075	CD8+	Mahalanobis distance, low coverage	Entire analysis
PC-2009-0235	M080	CD19+	Mahalanobis distance, low coverage	Entire analysis
PC-2009-0236	M080	CD8+	Mahalanobis distance, low coverage	Entire analysis
PC-2009-0237	M080	CD4+	Mahalanobis distance, low coverage	Entire analysis
PC-2009-0083	M028	CD8+	Heat map	ANOVA
PC-2009-0101	M034	CD8+	Mahalanobis distance	ANOVA
PC-2009-0104	M035	CD8+	Mahalanobis distance	ANOVA
PC-2009-0114	M048	CD4+	Heat map	ANOVA
PC-2009-0153	M051	CD4+	Mahalanobis distance	ANOVA
PC-2009-0200	M067	CD8+	Mahalanobis distance	ANOVA
PC-2009-0212	M072	CD8+	Mahalanobis distance	ANOVA
PC-2009-0215	M073	CD8+	Mahalanobis distance	ANOVA
PC-2009-0224	M076	CD8+	Heat map	ANOVA
PC-2009-0228	M077	CD4+	Heat map	ANOVA



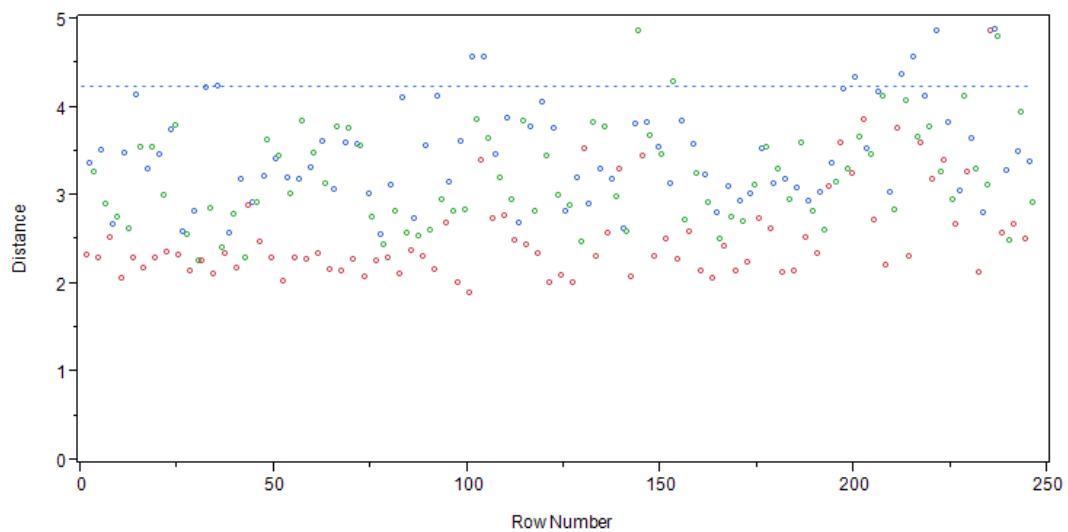
**Summed depth per sample.** Depth at exonic regions was summed by sample and plotted. Red= CD19+; green=CD4+; blue=CD8+.



**Clustering of samples by principal components analysis.** All samples were analyzed using principal components analysis to determine whether samples clustered by cell type. Red= CD19+; green=CD4+; blue=CD8+).



**Hierarchical clustering heatmap by sample.** All samples clustered using hierarchical clustering to determine whether samples clustered by cell type. Red= CD19+; green=CD4+; blue=CD8+.



**Mahalanobis distance by sample.** Mahalanobis distances were calculated for each sample to identify potential outliers. Red= CD19+; green=CD4+; blue=CD8+.

