

Supplementary Table 8 – Variable Importance for predicting BCLM CD56+ using primary tumor clusters. Larger values imply higher variable importance. Clusters used in the optimal model are marked with “X.”

Cluster in Primary	Included In Optimal Model	Variable Importance
CD8a+PD1+	X	43.623
Collagen+	X	15.671
CD206+		8.660
CD68+		7.337
CD68+CD163+CD206+		7.333
pERK+		6.803
CD68+MMP9+		6.004
CD14+		0.000
CD163+		0.000
CD163+MMP9+		0.000
MMP9+		0.000
CD56+		0.000
CD4+PD1+		0.000
CD8a+PD1-		0.000
PD-L1+		0.000
Ki-67+		0.000
HIF1 α +		0.000
E-cad+		0.000
CD31+		0.000
α SMA+		0.000