

Supplementary Table 6 – Variable Importance for predicting BCLM CD31+ 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
CD68+	X	0.893
CD14+	X	0.839
CD206+	X	0.786
CD31+	X	0.786
CD56+	X	0.768
PD-L1+	X	0.750
CD163+MMP9+		0.679
CD8a+PD1-		0.679
CD8a+PD1+		0.679
Collagen+		0.679
E-cad+		0.625
α SMA+		0.607
CD68+MMP9+		0.607
CD68+CD163+CD206+		0.607
MMP9+		0.607
CD4+PD1+		0.589
HIF1 α +		0.589
CD163+		0.554
Ki-67+		0.518
pERK+		0.518