

Figure S1

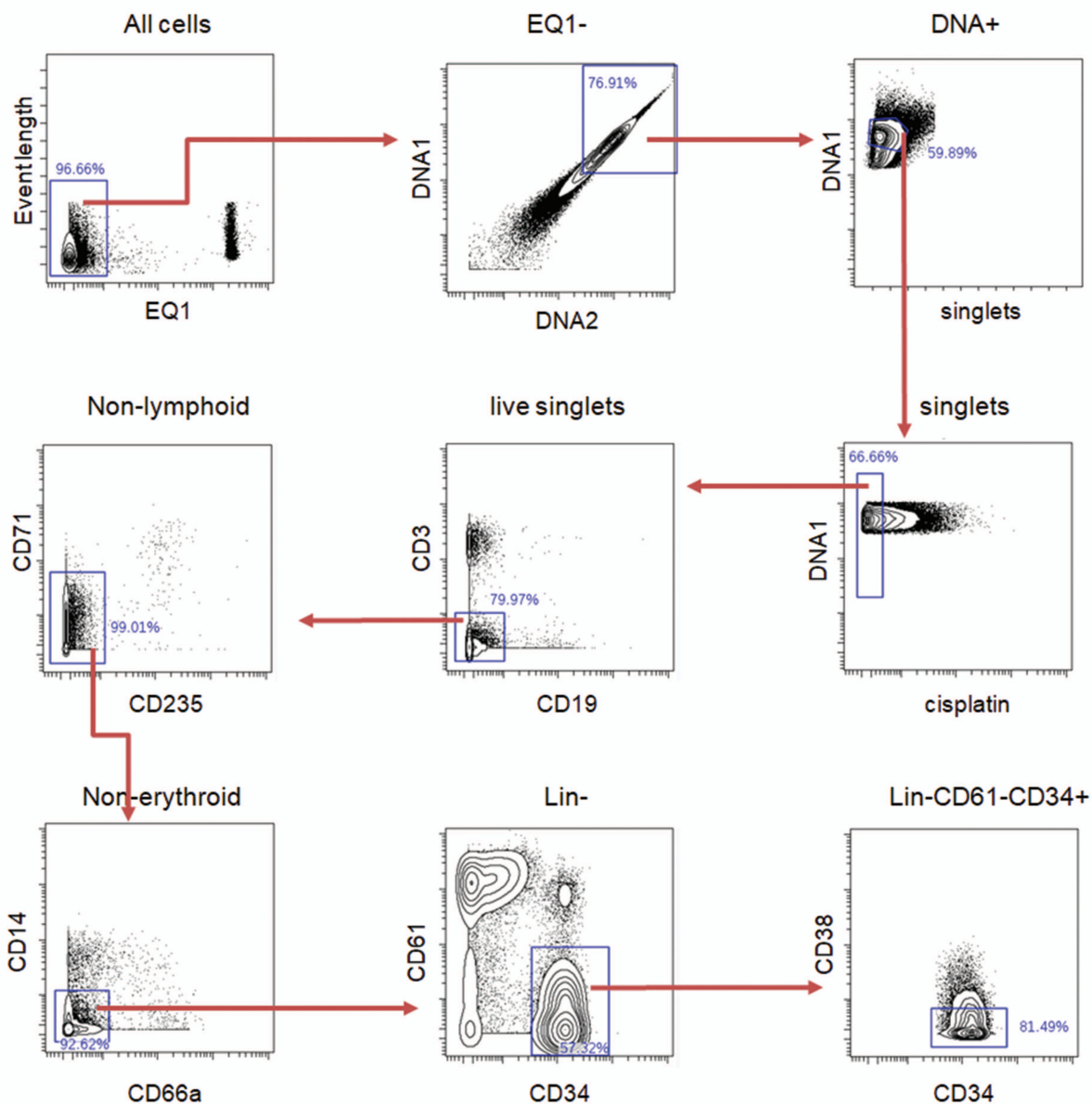


Figure S2

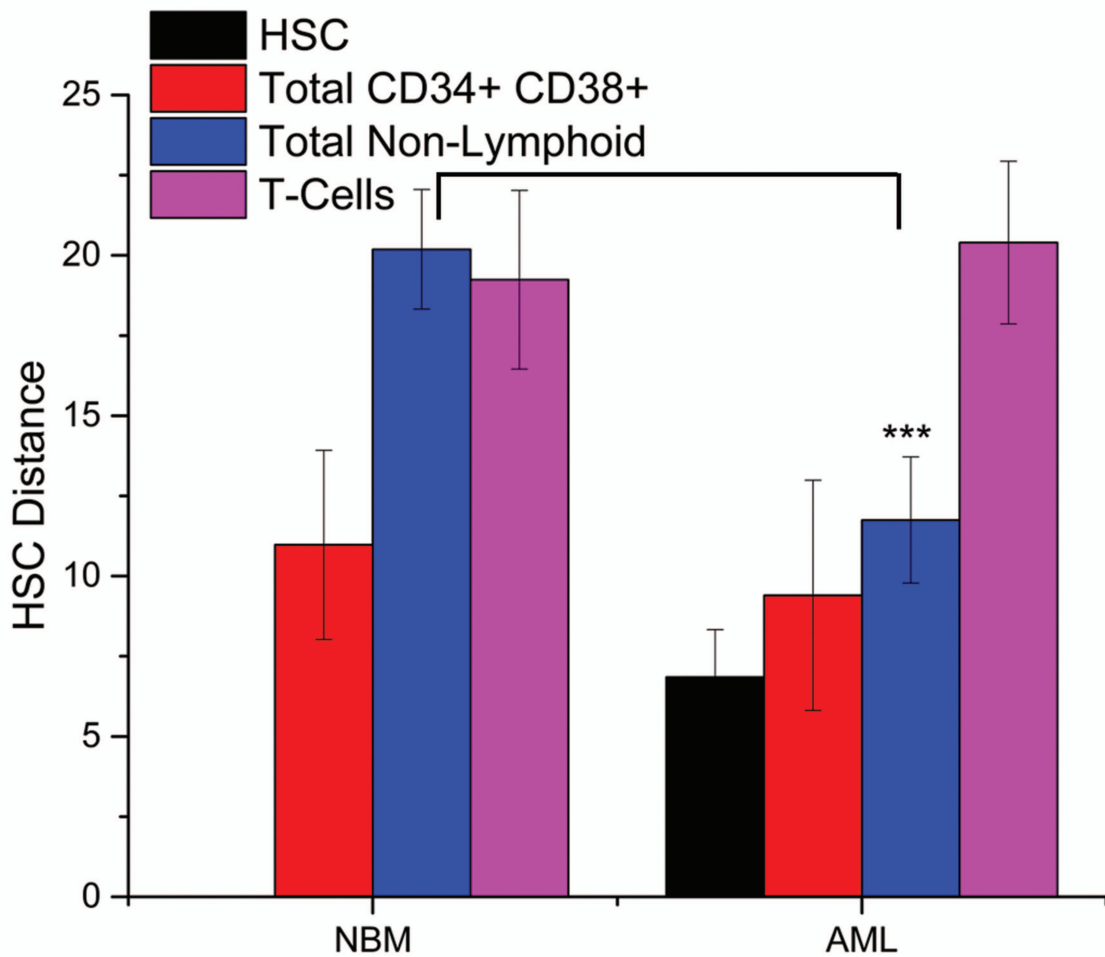
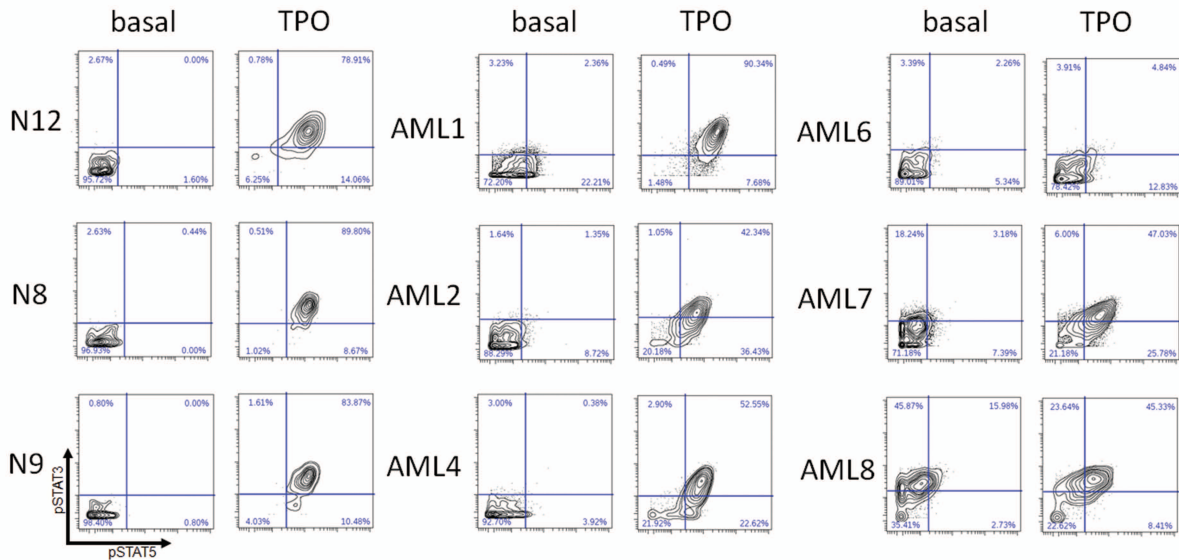
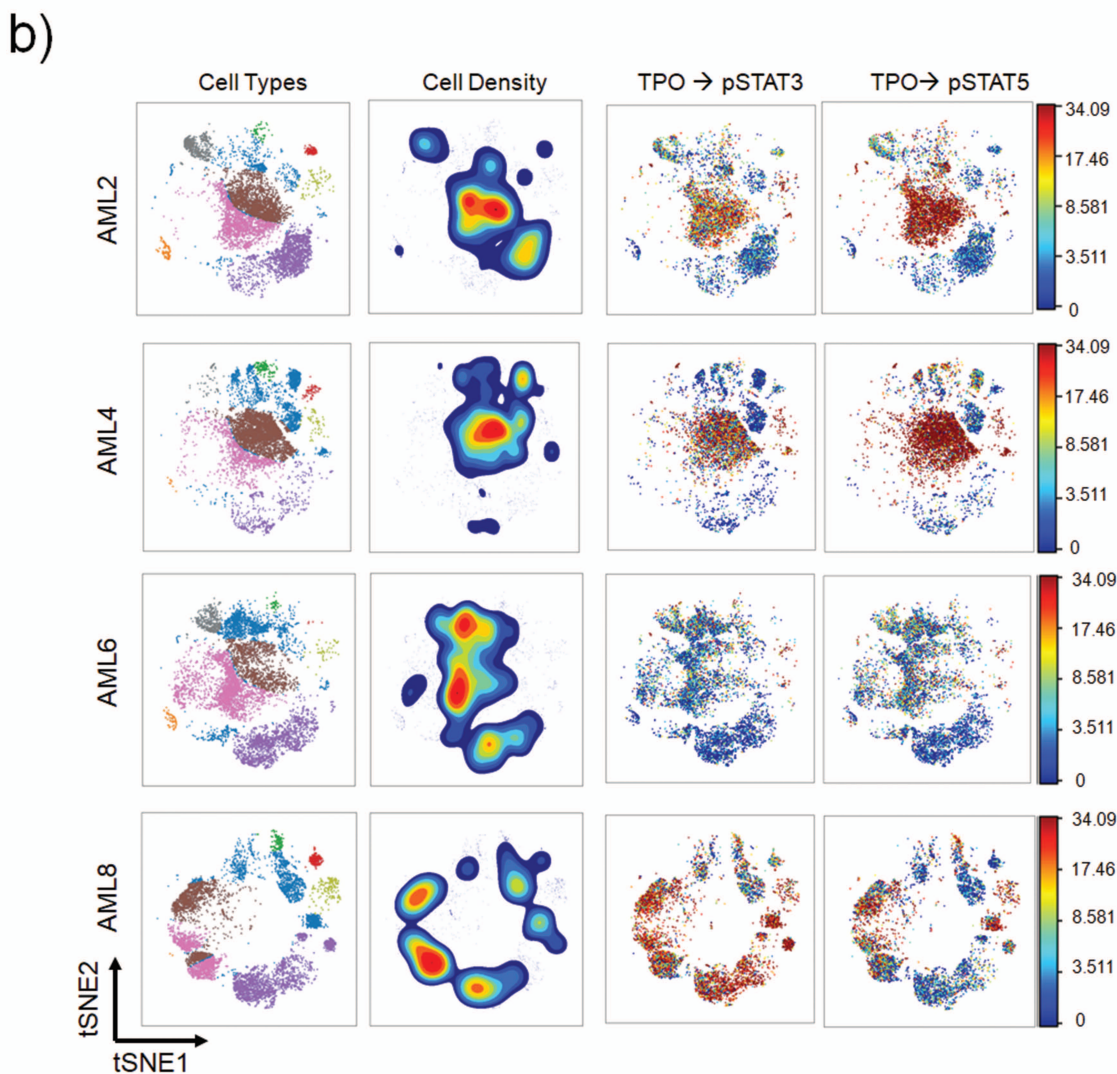
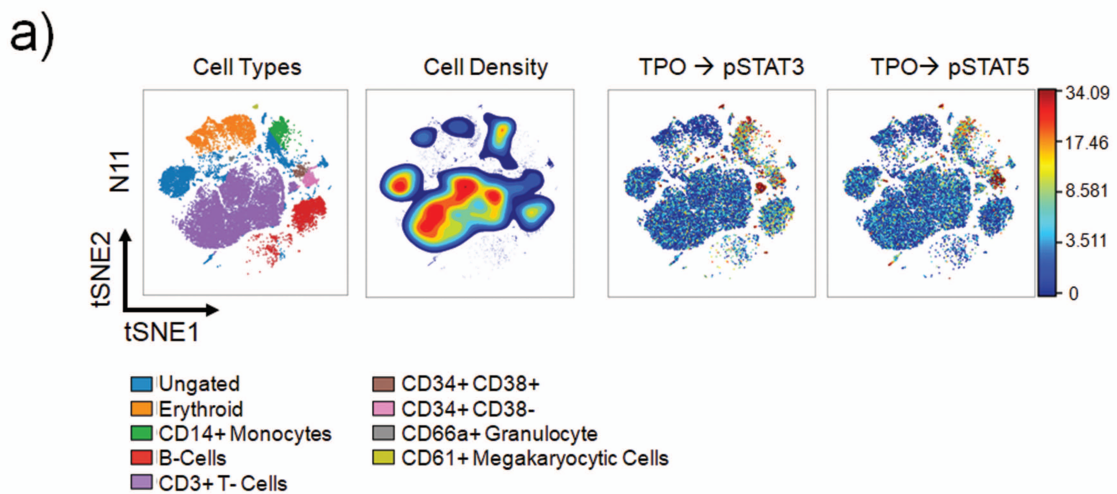
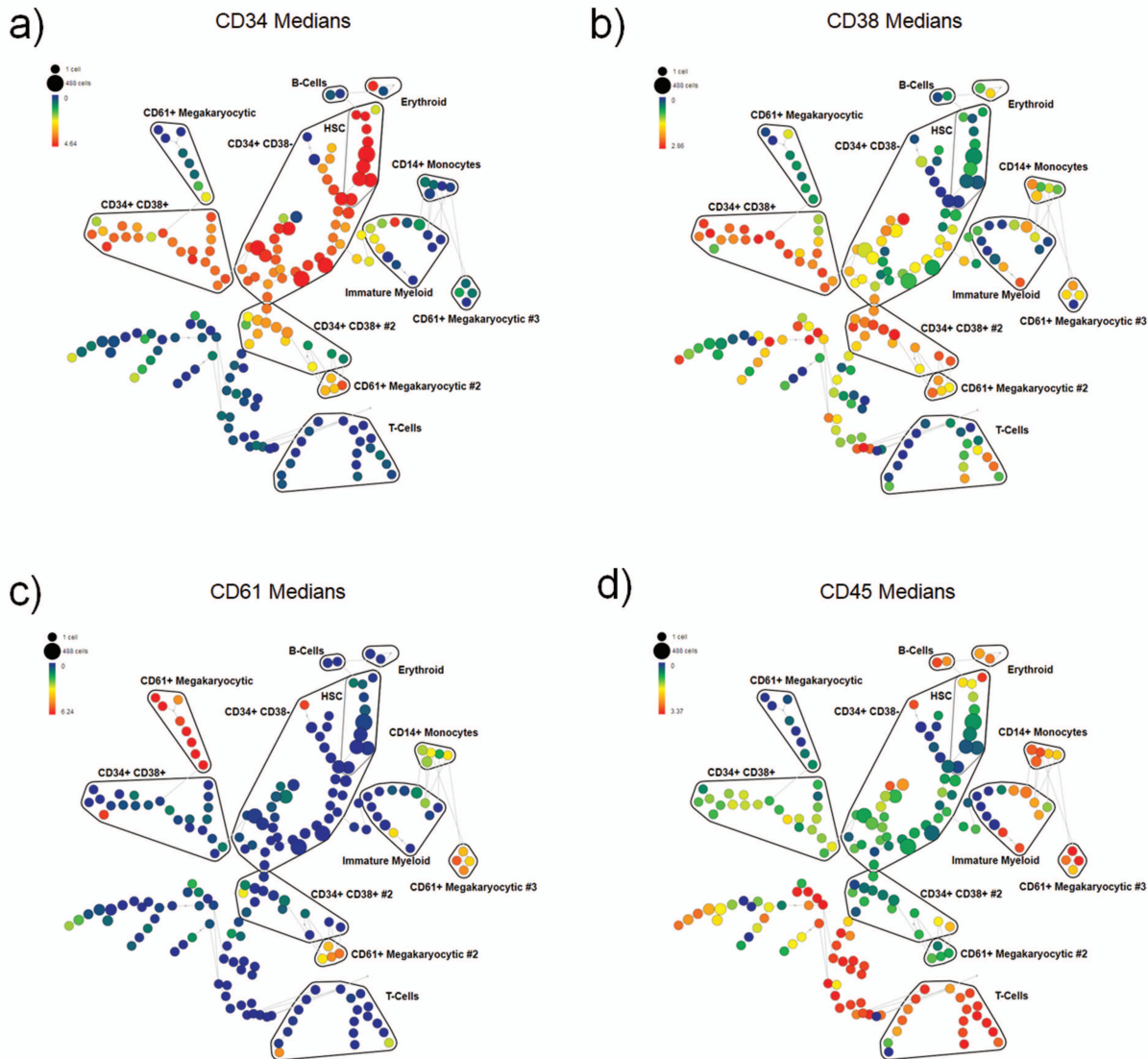
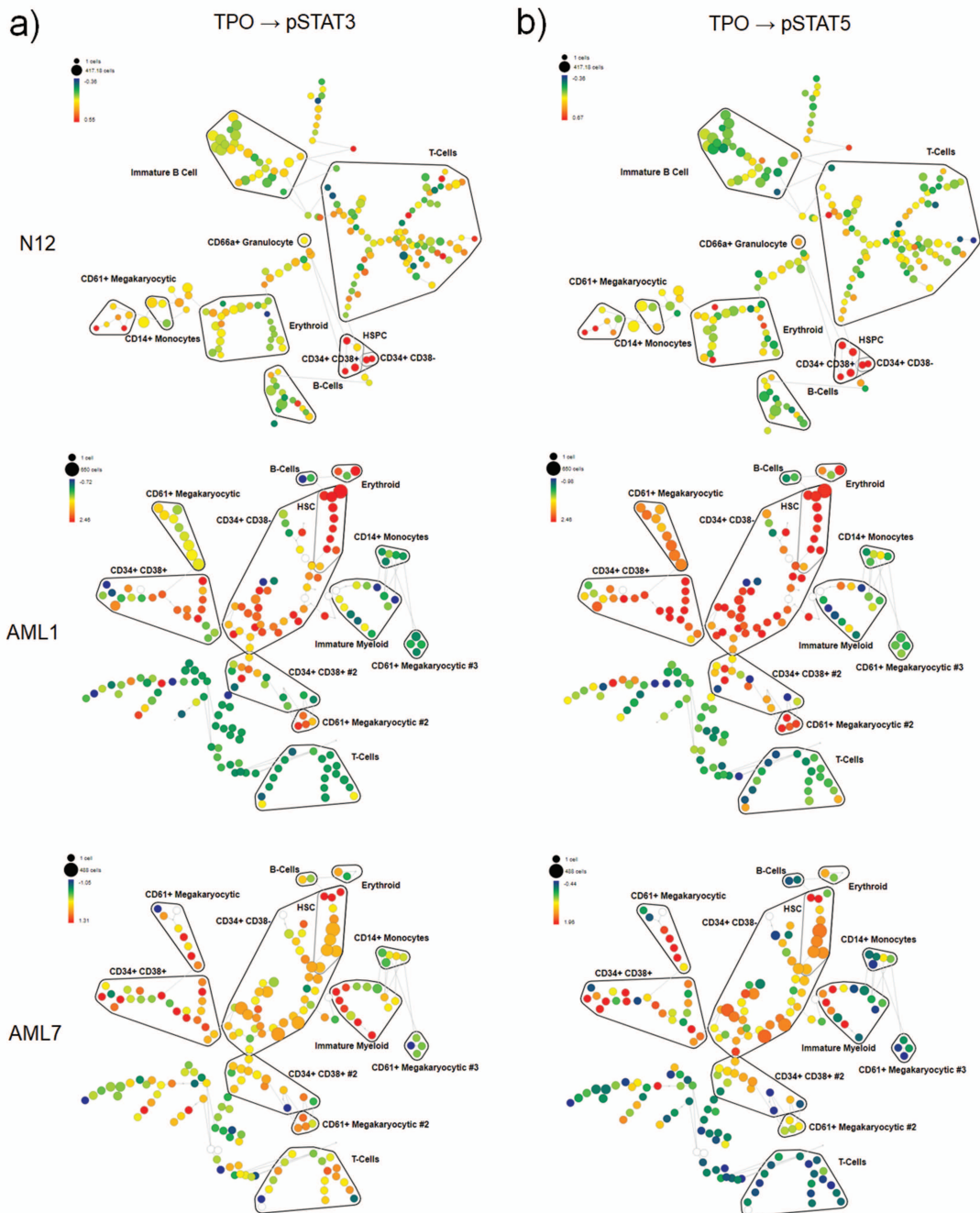


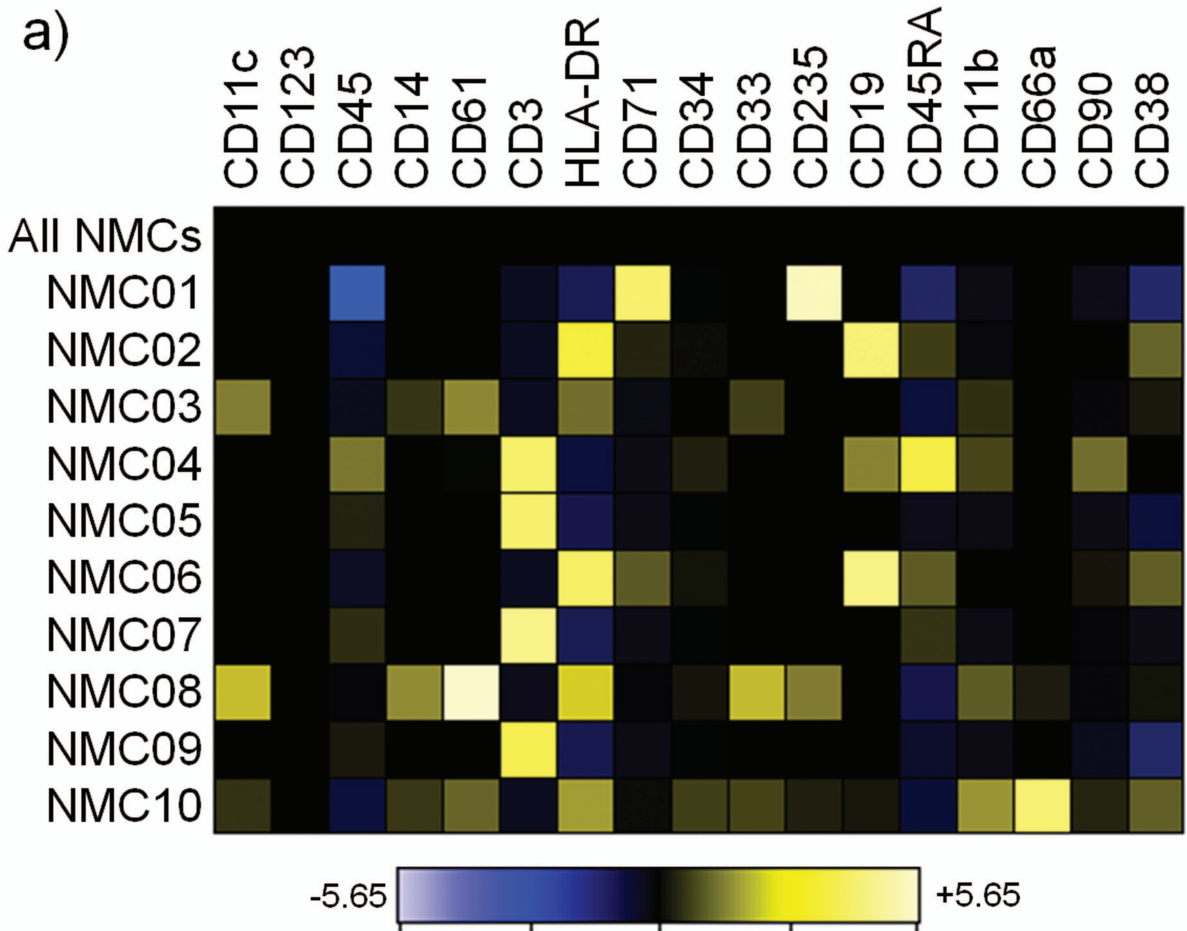
Figure S4









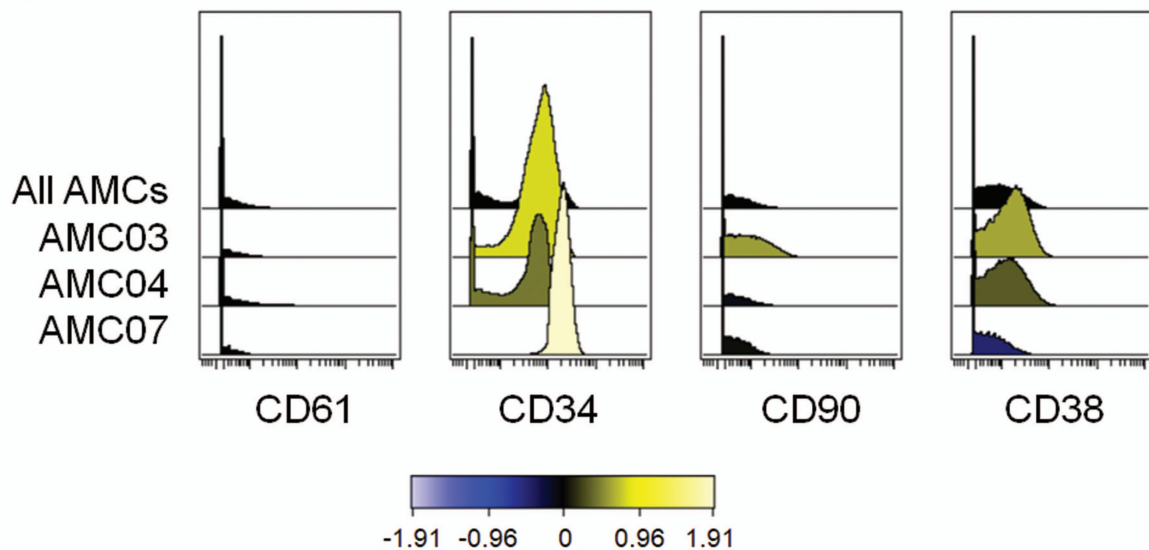


b)

Metacluster #	Surface Marker Expression	Classification	Justification
1	CD71+ CD235+ CD45-	Erythroid	Expression of CD71 and CD235
2	CD19+ HLA-DR+ CD45RA+ CD38+	B-Cells	CD19 and HLA-DR expression indicative of B-Cells
3	CD11c+, CD14+ CD33+, CD11b+, CD38+	Late Myeloid Progenitors/Myeloid Cells	Expression of mature myeloid markers, small population of CD34+ cells
4	CD3+ CD45RA+ CD90+	Naïve T Cells	CD3 and CD45RA expression
5	CD3+ CD45RA -	Active T-Cells	CD3 and lack of CD45RA
6	CD19+ HLA-DR+, CD45RA+, CD38+	B-Cells	CD19 and HLA-DR expression indicative of B-Cells
7	CD3+ CD45RA-	Active T-Cells	CD3 and lack of CD45RA
8	CD11c+ CD14+ CD61+ HLA-DR+ CD11b+ CD38+ CD33hi	Monocytes	CD14, CD33, and CD11b expression along with lack of CD34. CD61 suggests monocyte-platelet aggregates.
9	CD3+ CD45RA - CD90- CD38	Active T Cells	CD3 and lack of CD45RA expression
10	CD34+ CD38+ CD66a+	Early Myeloid Cells	CD34 and CD38 expression. Includes some mature myeloid cells with CD66a

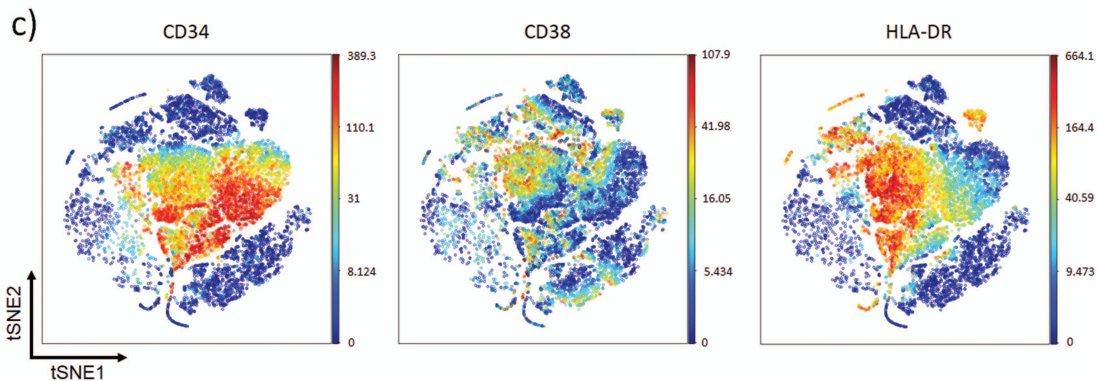
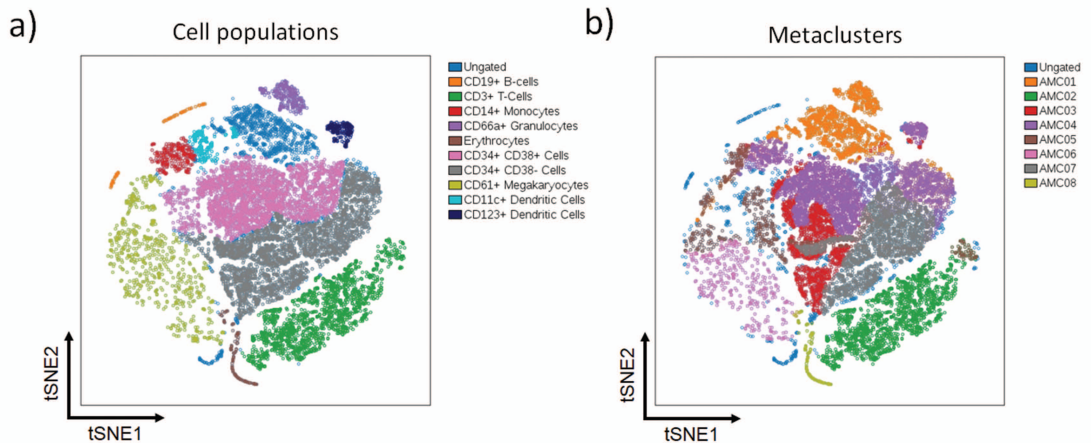
Figure S9

a)



b)

	CD61	CD34	CD90	CD38
All AMCs	0.0	0.0	0.0	0.0
AMC03	0.0	0.81	0.59	0.62
AMC04	0.0	0.45	-0.1	0.34
AMC07	0.0	1.91	0.04	-0.45



d)

Metacluster	% CD34 positive	% CD38 positive	% HLA-DR positive
AMC03	87.52	61.89	99.96
AMC04	69.99	52.33	70.1
AMC07	99.99	21.83	77.24

Figure S8

CD45

CD61

CD34

CD38

CD90

AML1

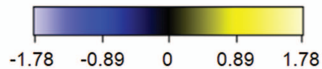
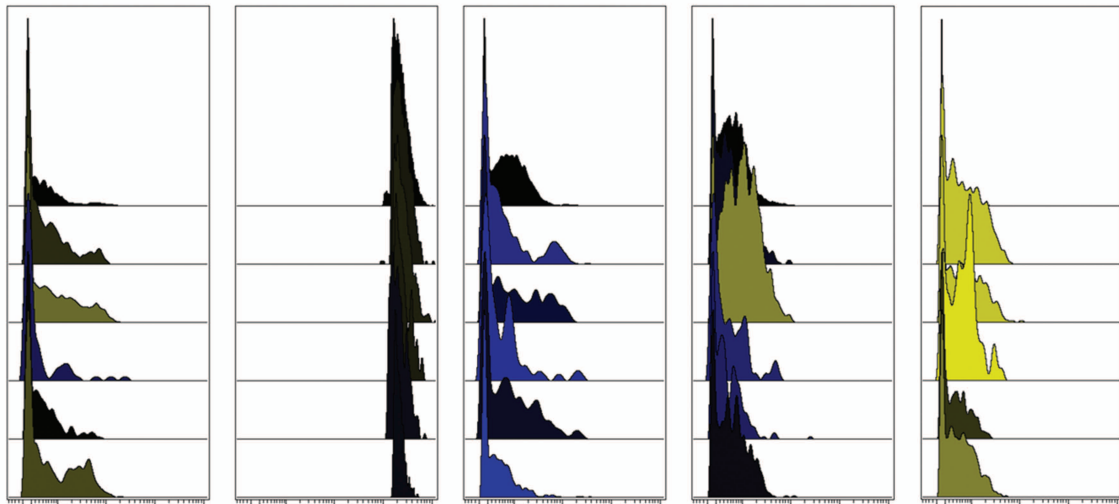
AML2

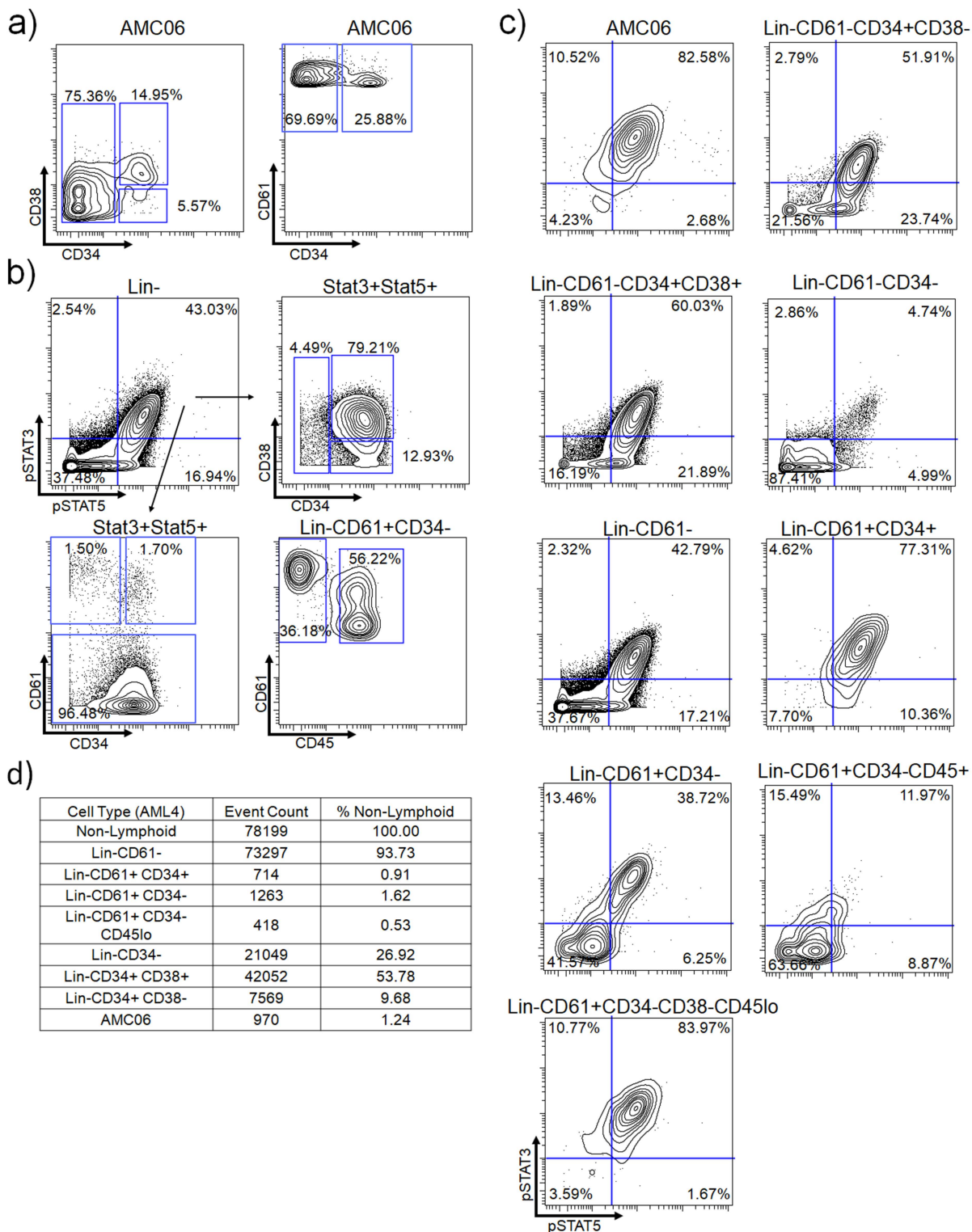
AML4

AML6

AML7

AML8





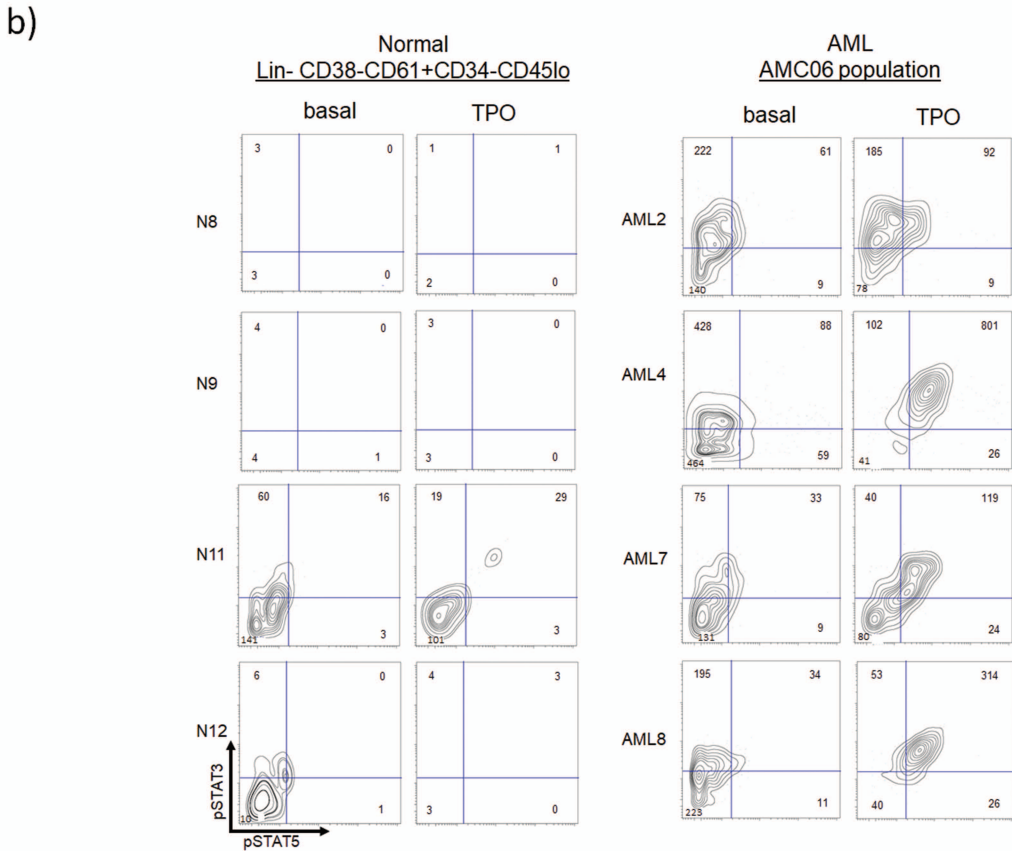
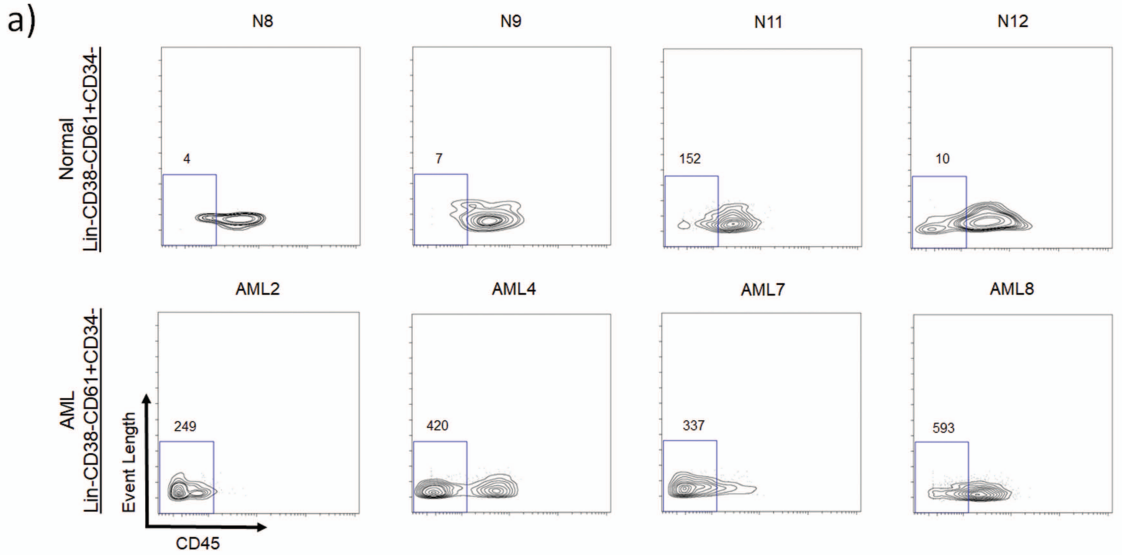


Figure S14

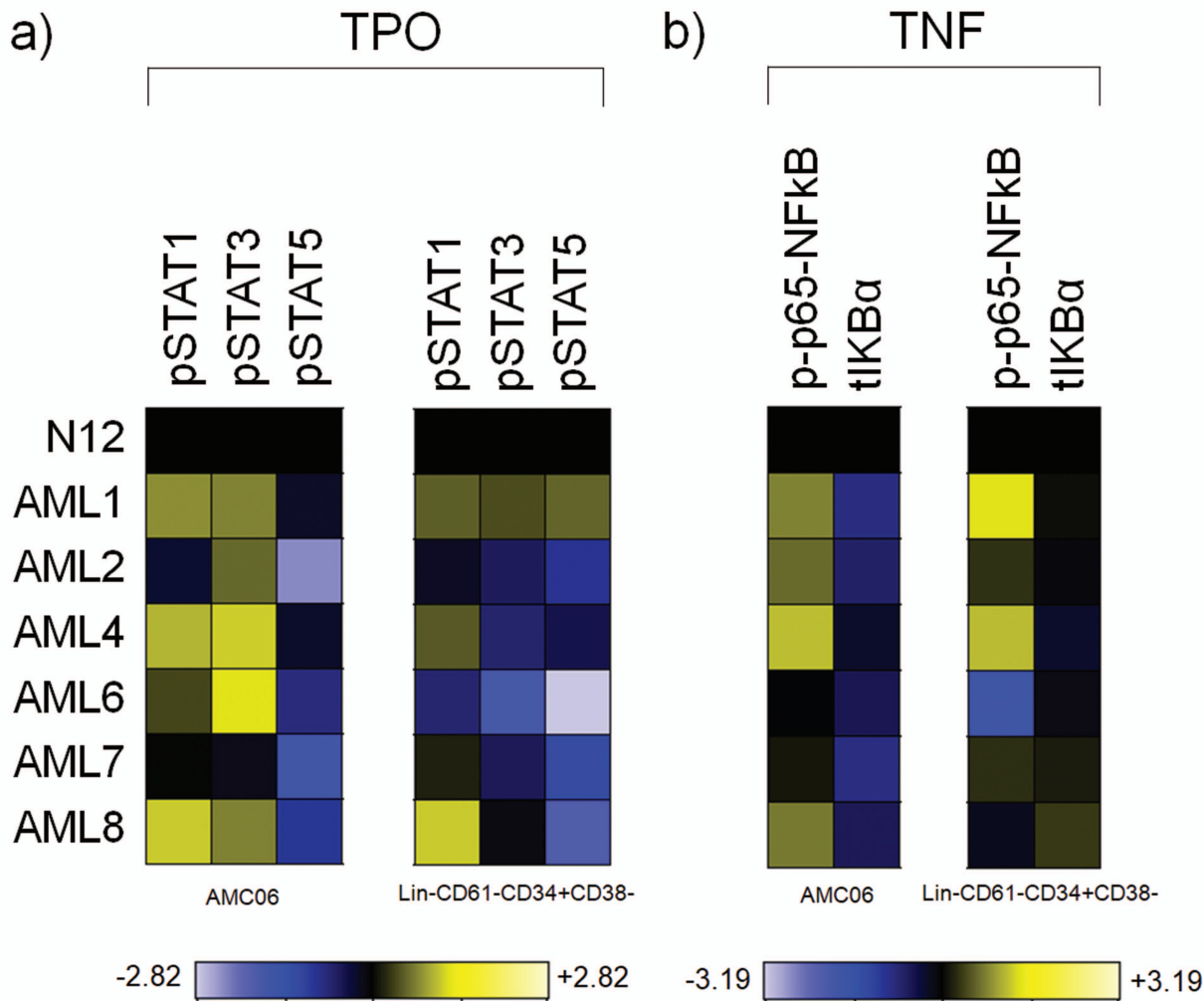


Figure S15

