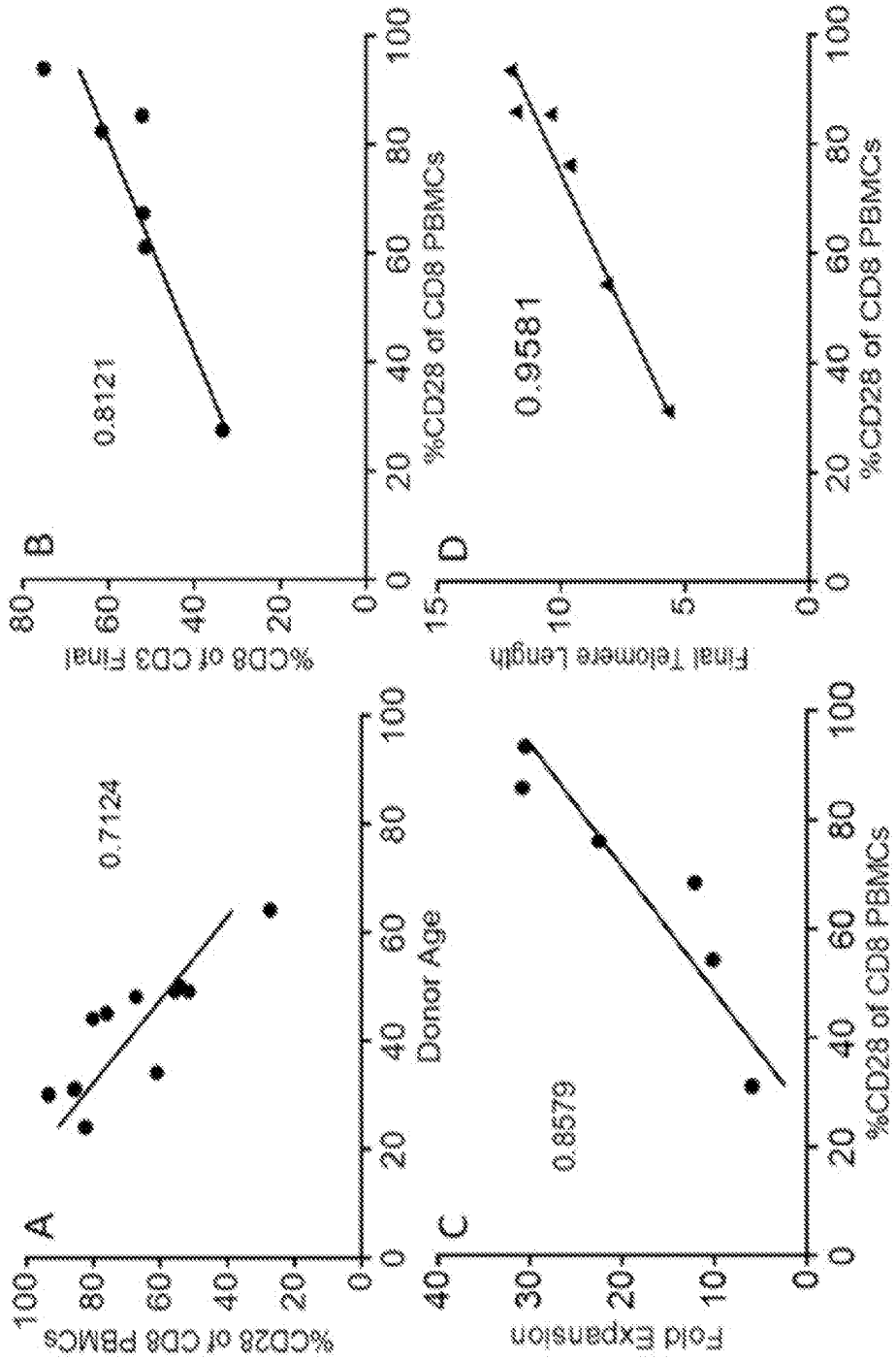

A
B
C
D
%CD28 of CD8 PBMCs
Donor Age
0.7124
%CD8 of CD3 Final
%CD28 of CD8 PBMCs
0.8121
Fold Expansion
%CD28 of CD8 PBMCs
0.8579
Final Telomere Length
%CD28 of CD8 PBMCs
0.9581

FIG. 1

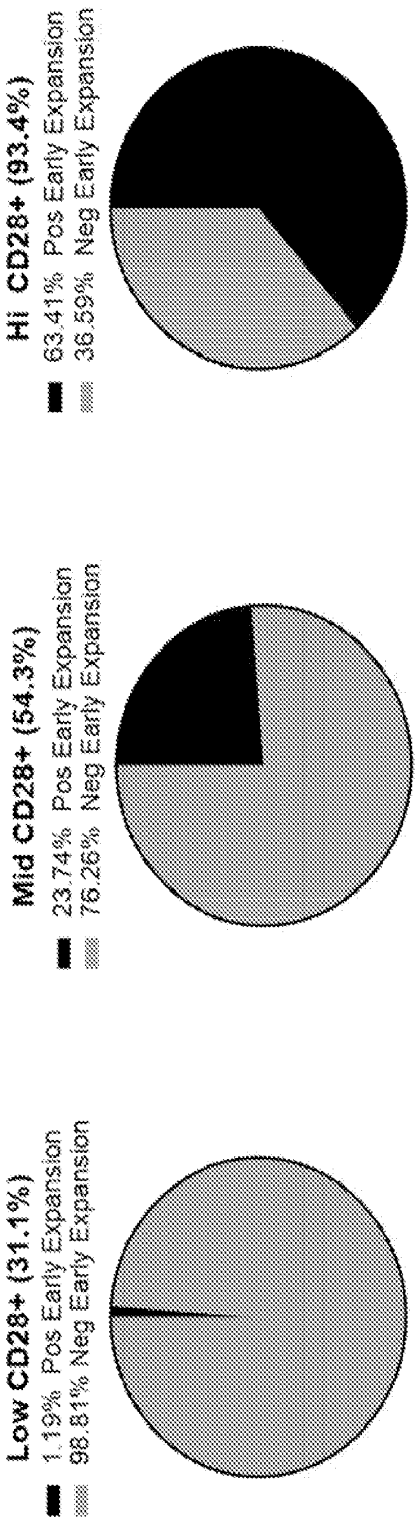

Low CD28+ (31.1%)
1.19% Pos Early Expansion
98.81% Neg Early Expansion
Mid CD28+ (54.3%)
23.74% Pos Early Expansion
76.26% Neg Early Expansion
Hi CD28+ (93.4%)
63.41% Pos Early Expansion
36.59% Neg Early Expansion

FIG. 2

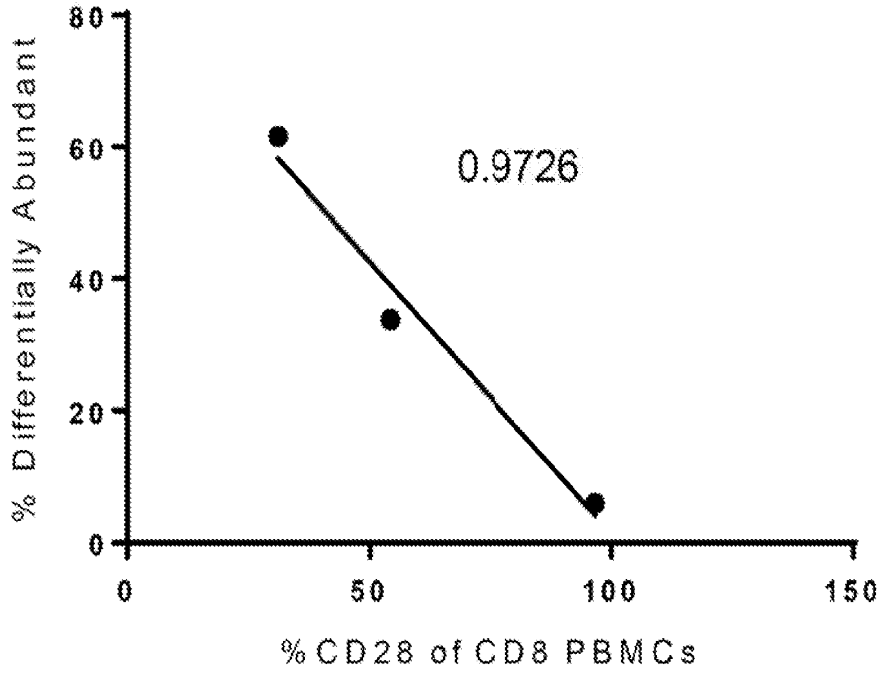

80
60
40
20
0
% Differentially Abundant
0.9726
0
50
100
150
% CD28 of CD8 PBMCs

FIG. 3

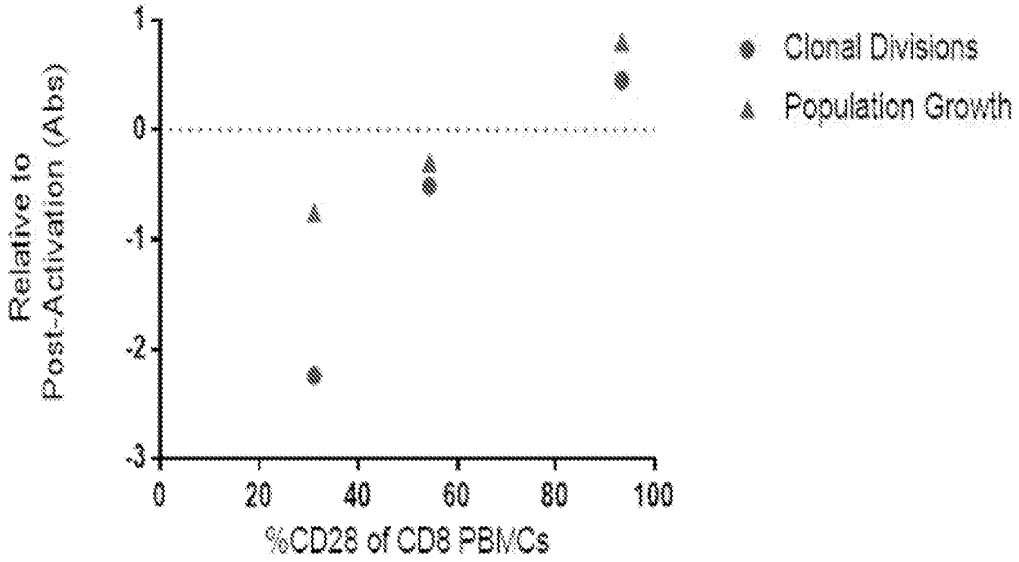

Relative to Post-Activation (Abs)
1
0
-1
-2
-3
0
20
40
60
80
100
%CD28 of CD8 PBMCs
Clonal Divisions
Population Growth

FIG. 4

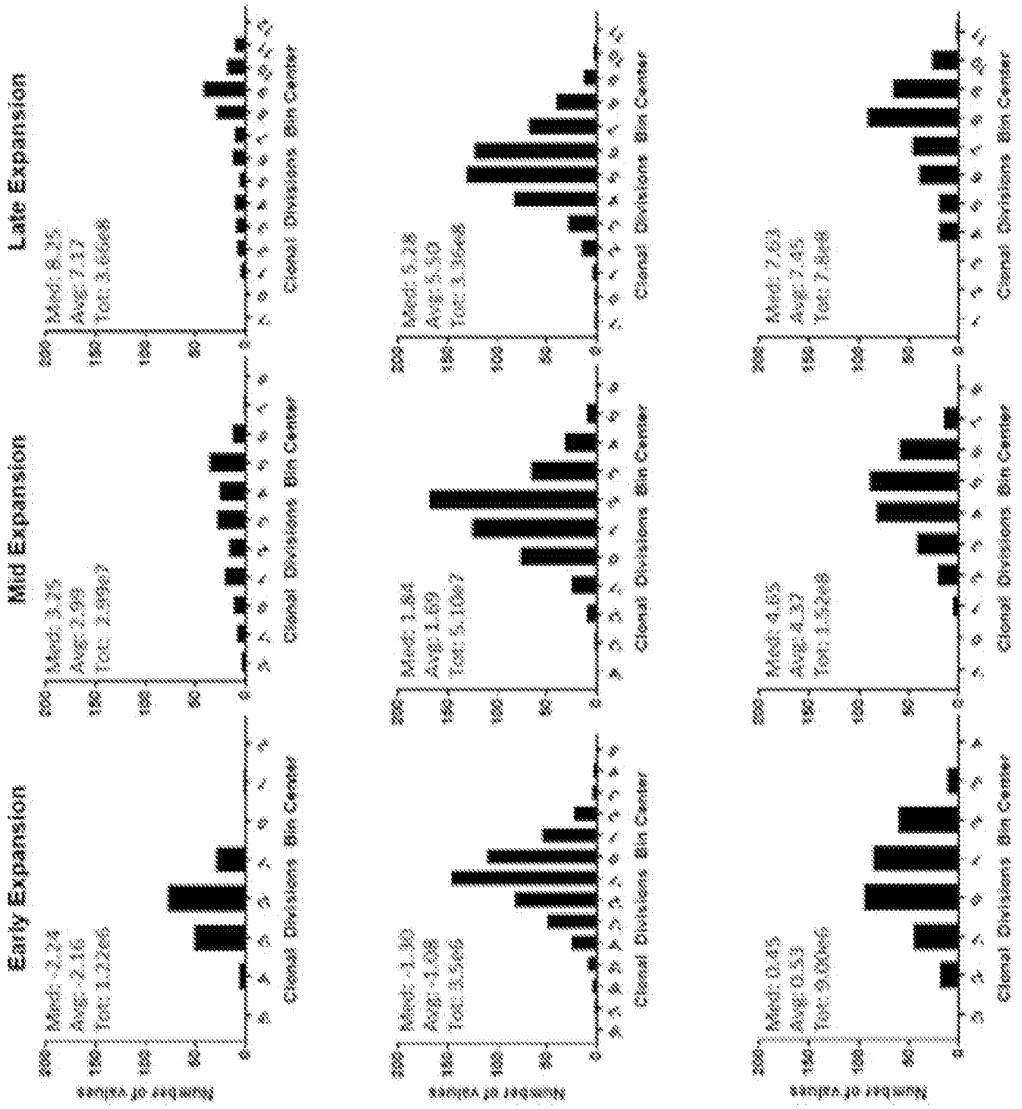

Early Expansion
Mid Expansion
Late Expansion
CD28low
CD28mid
CD28high
Clonal Divisions Bin Center

FIG. 5

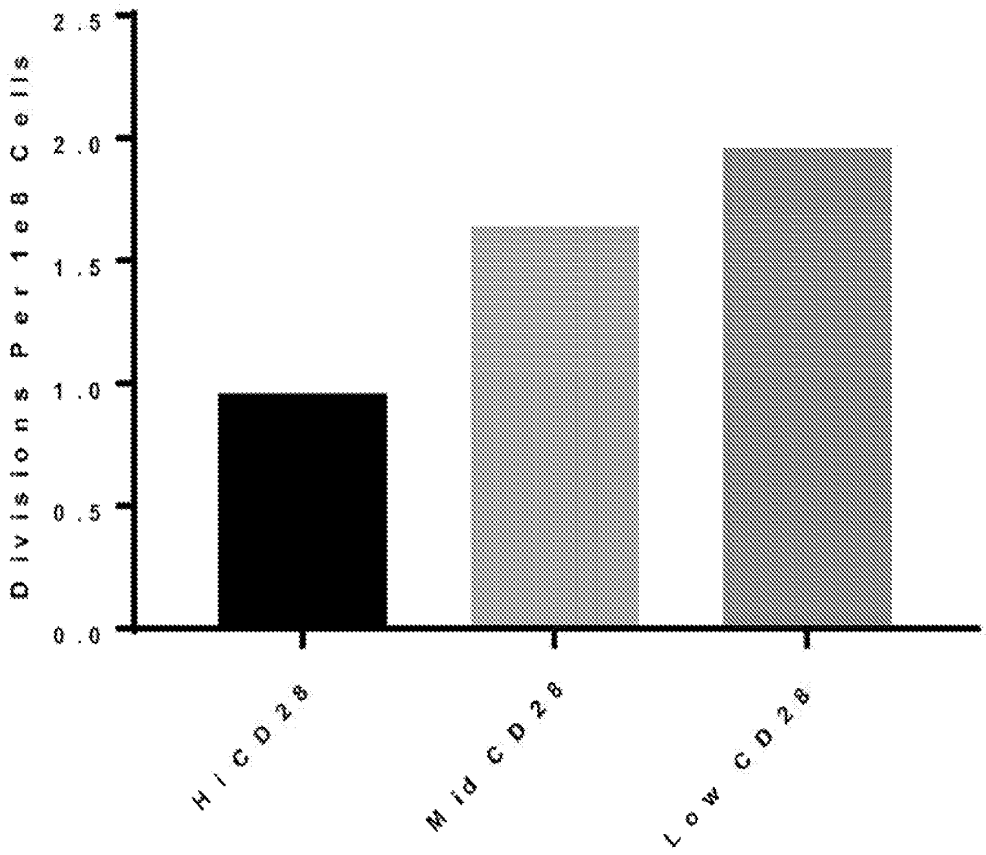

Divisions Per 1e8 Cells
2.5
2.0
1.5
1.0
0.5
0.0
Hi CD28
Mid CD28
Low CD28

FIG. 6

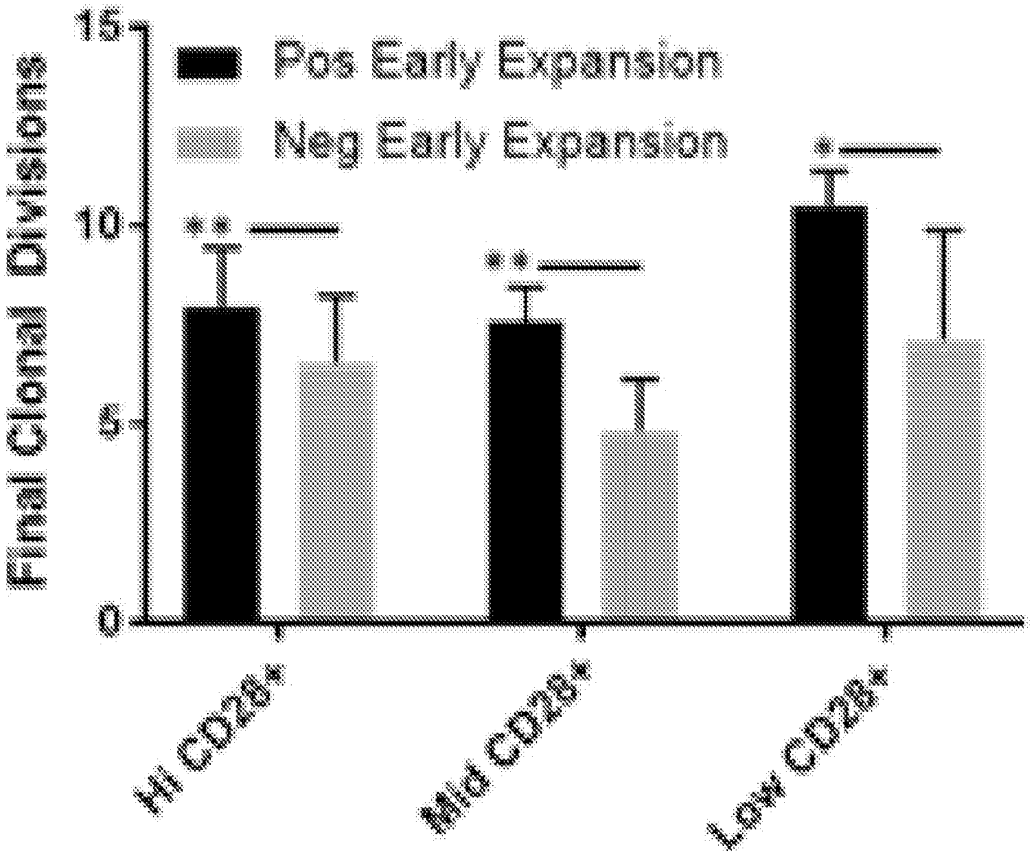

Final Clonal Divisions
15
10
5
0
Pos Early Expansion
Neg Early Expansion
**
**
*
Hi CD28+
Mid CD28+
Low CD28+

FIG. 7

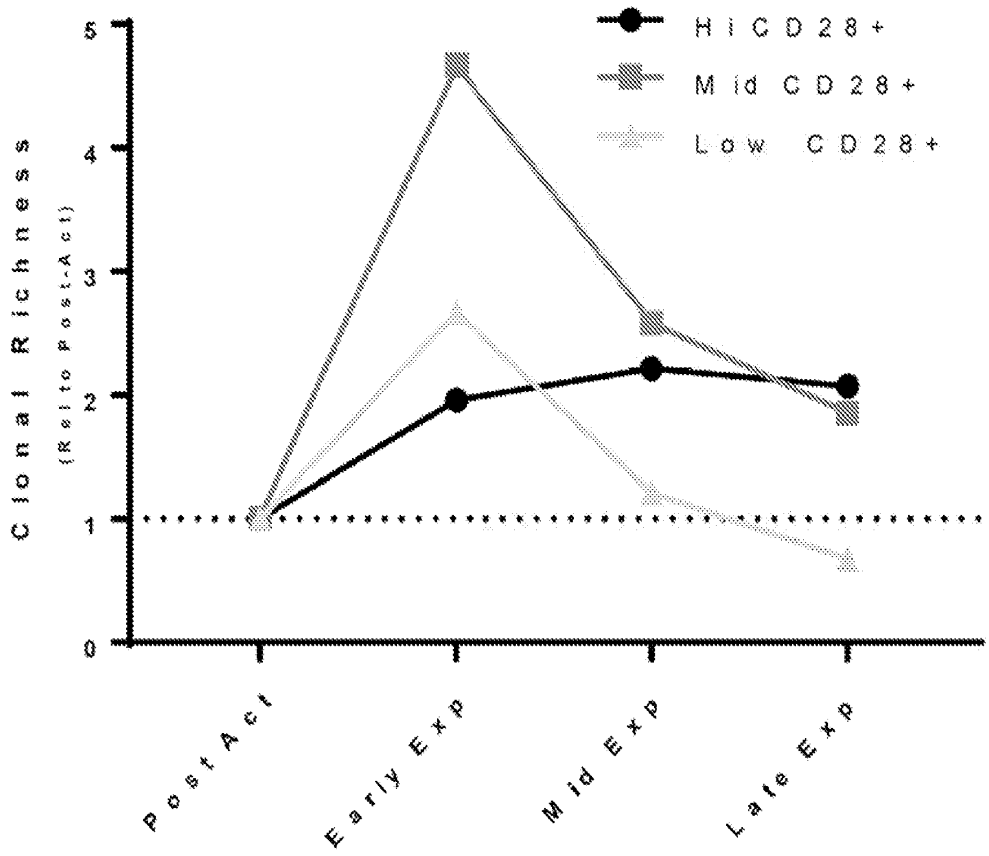

Hi CD28+
Mid CD28+
Low CD28+
Clonal Richness
(Rel to Post-Act)
0
1
2
3
4
5
Post Act
Early Exp
Mid Exp
Late Exp

FIG. 8