

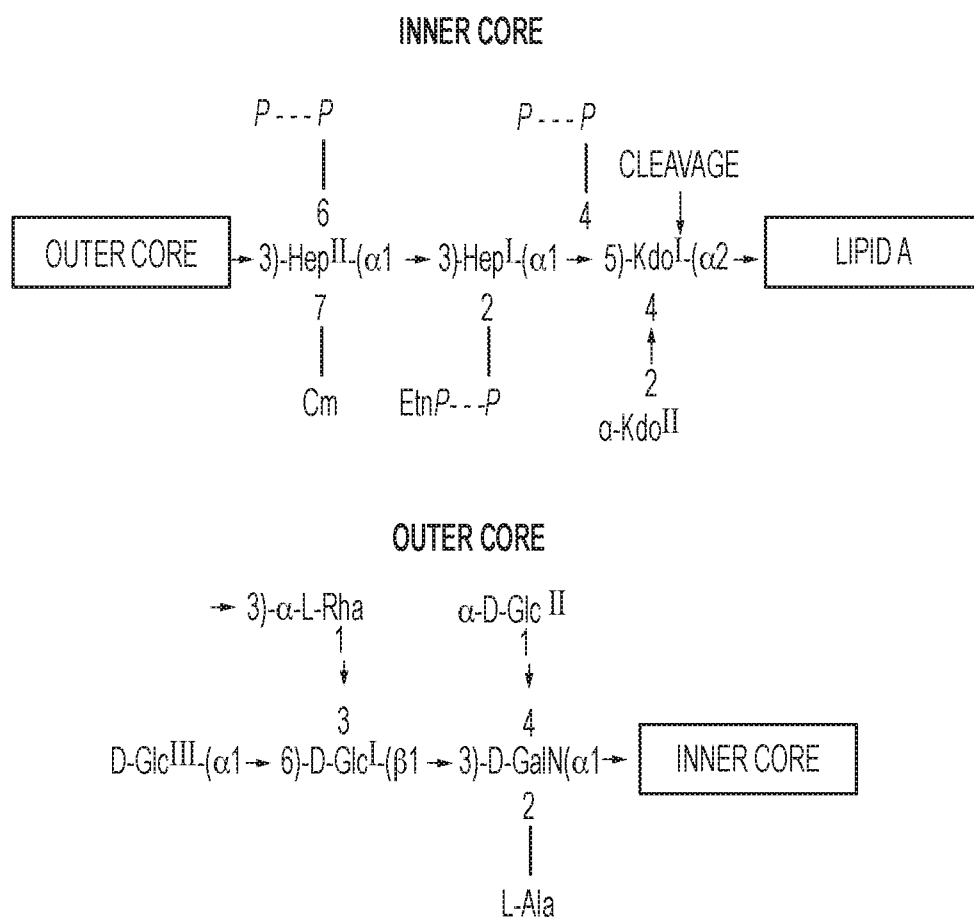


Figure 1A

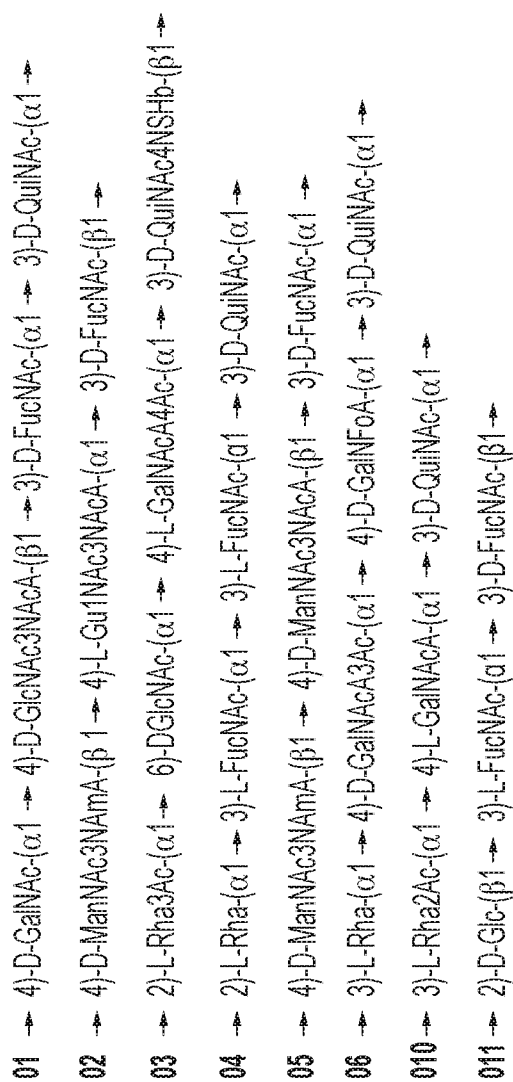


Figure 1B

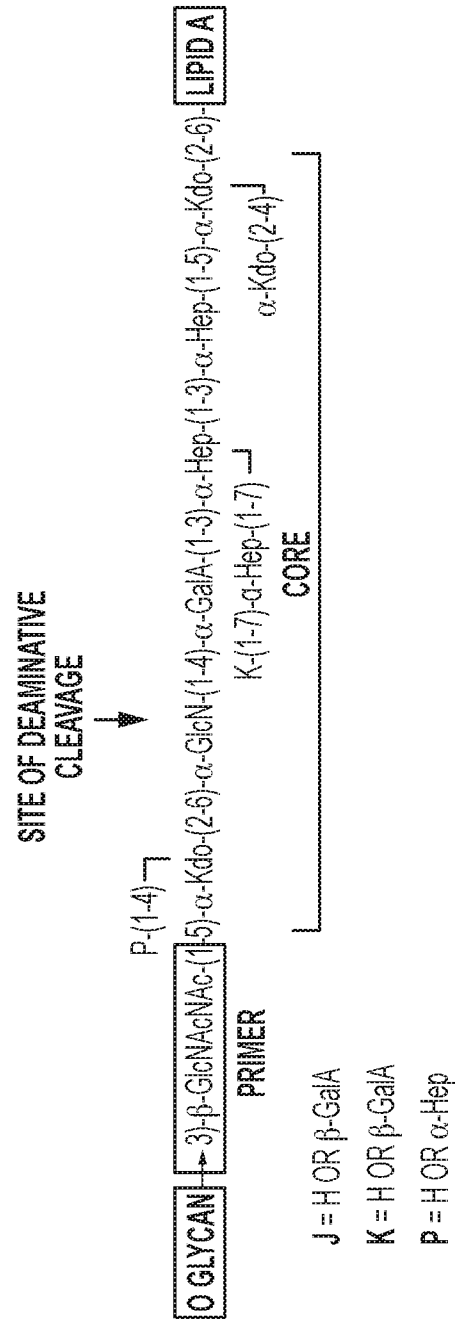


Figure 1C

	SEROTYPE
$\begin{array}{cccccc} \text{D} & \text{C} & \text{B}' & \text{A} & \text{B} & \text{A}'' \\ \boxed{-3)-\beta\text{-Galp-(1-3)-}\alpha\text{-Galp-(1)}}_m\text{-}\beta\text{-Galf-(1)}\boxed{3)-\alpha\text{-Galp-(1-3)-}\beta\text{-Galf-(1)}}_n\text{-}\alpha\text{-Galp-CP} \end{array}$	01
$\begin{array}{cccc} \text{B}' & \text{A} & \text{B} & \text{A}'' \\ \beta\text{-Galf-(1)}\boxed{3)-\alpha\text{-Galp-(1-3)-}\beta\text{-Galf-(1)}}_n\text{-}\alpha\text{-Galp-CP} \end{array}$	01,02a, 02a,c
$\begin{array}{cccccc} \text{D(D')} & \text{C} & \text{B'(B')} & \text{A} & \text{B} & \text{A}'' \\ \boxed{-5)-\beta\text{-Galf-(1-3)-}\beta\text{-GlcNAc-(1)}}_m\text{-}\beta\text{-Galf-(1)}\boxed{3)-\alpha\text{-Galp-(1-3)-}\beta\text{-Galf-(1)}}_n\text{-}\alpha\text{-Galp-CP} \end{array}$	02a,c
$\begin{array}{cccccc} \text{E} & \text{D} & \text{C} & \text{B} & \text{A} & \text{N} & \text{Q} \\ \text{T}\boxed{(2)\alpha\text{-Man-(1-2)-}\alpha\text{-Man-(1-2)-}\alpha\text{-Man-(1-3)-}\alpha\text{-Man-(1-3)-}\alpha\text{-Man-(1)}}_n\text{-}\alpha\text{-Man-(1-3)-}\alpha\text{-Man-CP} \end{array}$	03
$\begin{array}{cccccc} \text{T} & \text{B}' & \text{A} & \text{B} & \text{A}'' \\ \alpha\text{-Kdo-(2-2)-}\beta\text{-Ribf-(1)}\boxed{4)-\alpha\text{-Gal-(1-2)-}\beta\text{-Ribf-(1)}}_n\text{-}\alpha\text{-Gal-(1-CP} \end{array}$	04
$\begin{array}{cccccc} \text{T} & \text{C} & \text{B} & \text{A} & \text{N} & \text{Q} \\ \text{Me-3)-}\alpha\text{-Man-(1)}\boxed{3)-\beta\text{-Man-(1-2)-}\alpha\text{-Man-(1-2)-}\alpha\text{-Man-(1)}}_n\text{-}\alpha\text{-Man-(1-3)-}\alpha\text{-Man-(1-CP} \end{array}$	05
$\begin{array}{cccc} \text{T} & \text{A}' & \text{B} & \text{A} \\ \beta\text{-Kdo-(2-3)-}\alpha\text{-Rha-(1)}\boxed{3)-\beta\text{-GlcNAc-(1-4)-}\alpha\text{-Rha-(1)}}_n\text{-(1-CP} \end{array}$	012
$\begin{array}{ccc} \text{F} & \text{L} & \text{M} \\ -3)-\beta\text{-GlcNAc-(1-5)-}\alpha\text{-Kdo-(2-6)-anhMan} \\ \text{P-(1-4)-J} \end{array}$	CP (COMMON PART)
$\begin{array}{l} \text{a, P=H} \\ \text{b, P}=\alpha\text{-Hep} \end{array}$	

Figure 1D

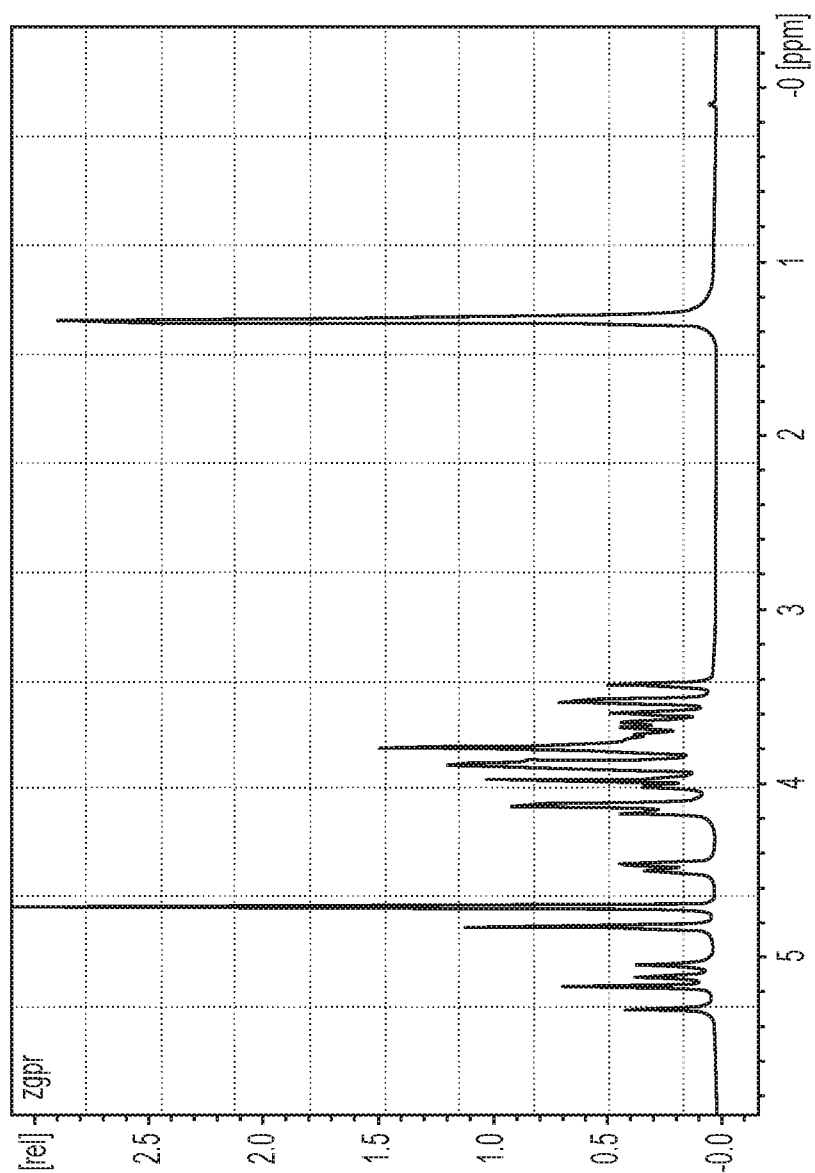


Figure 1F

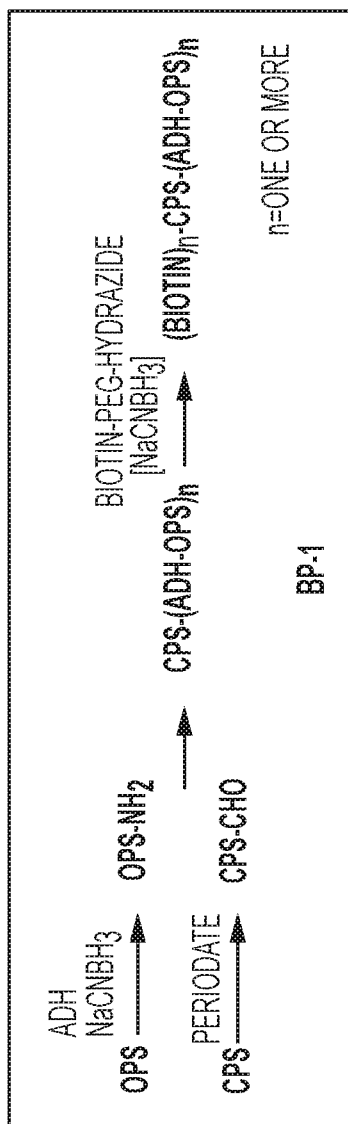


Figure 2A

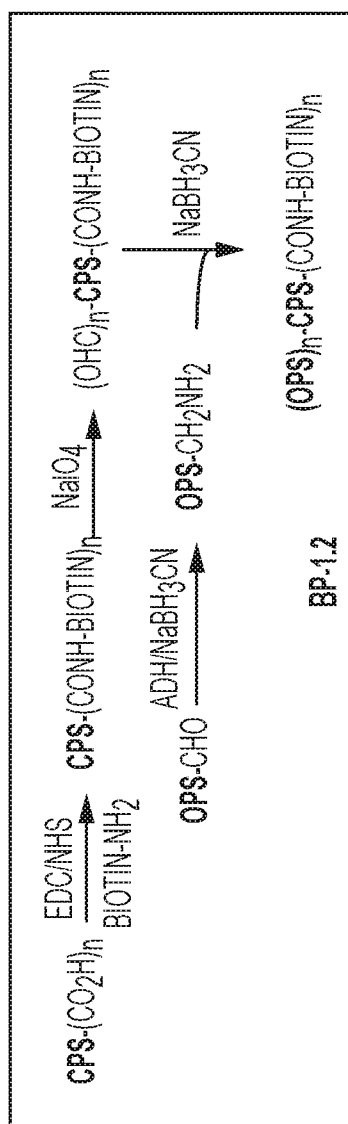


Figure 2B

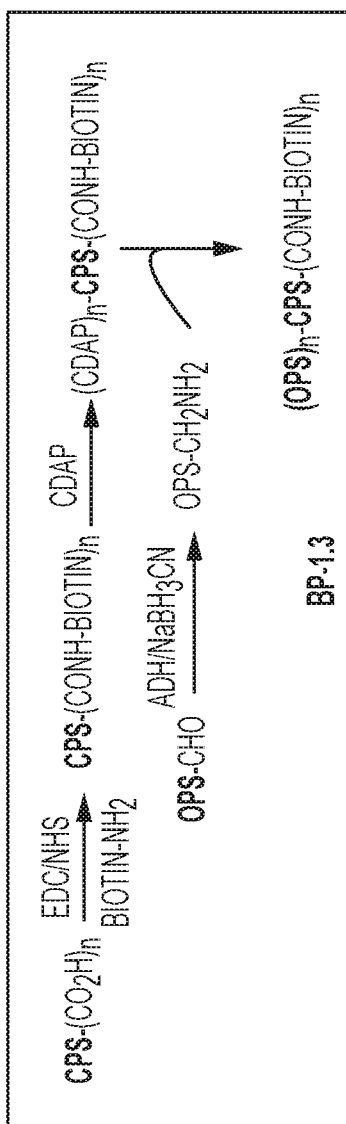


Figure 2C

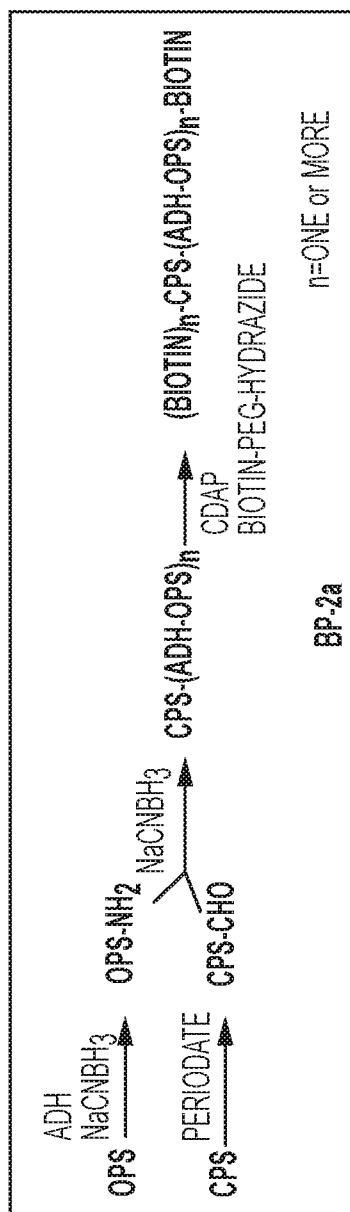


Figure 3

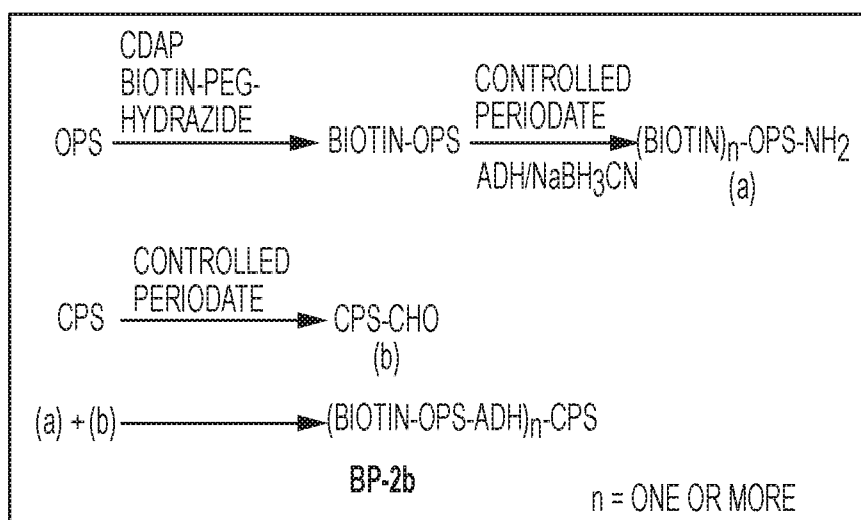


Figure 4

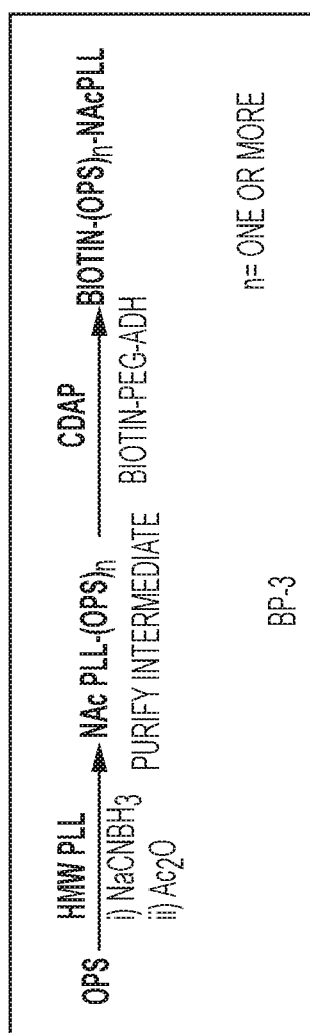


Figure 5A

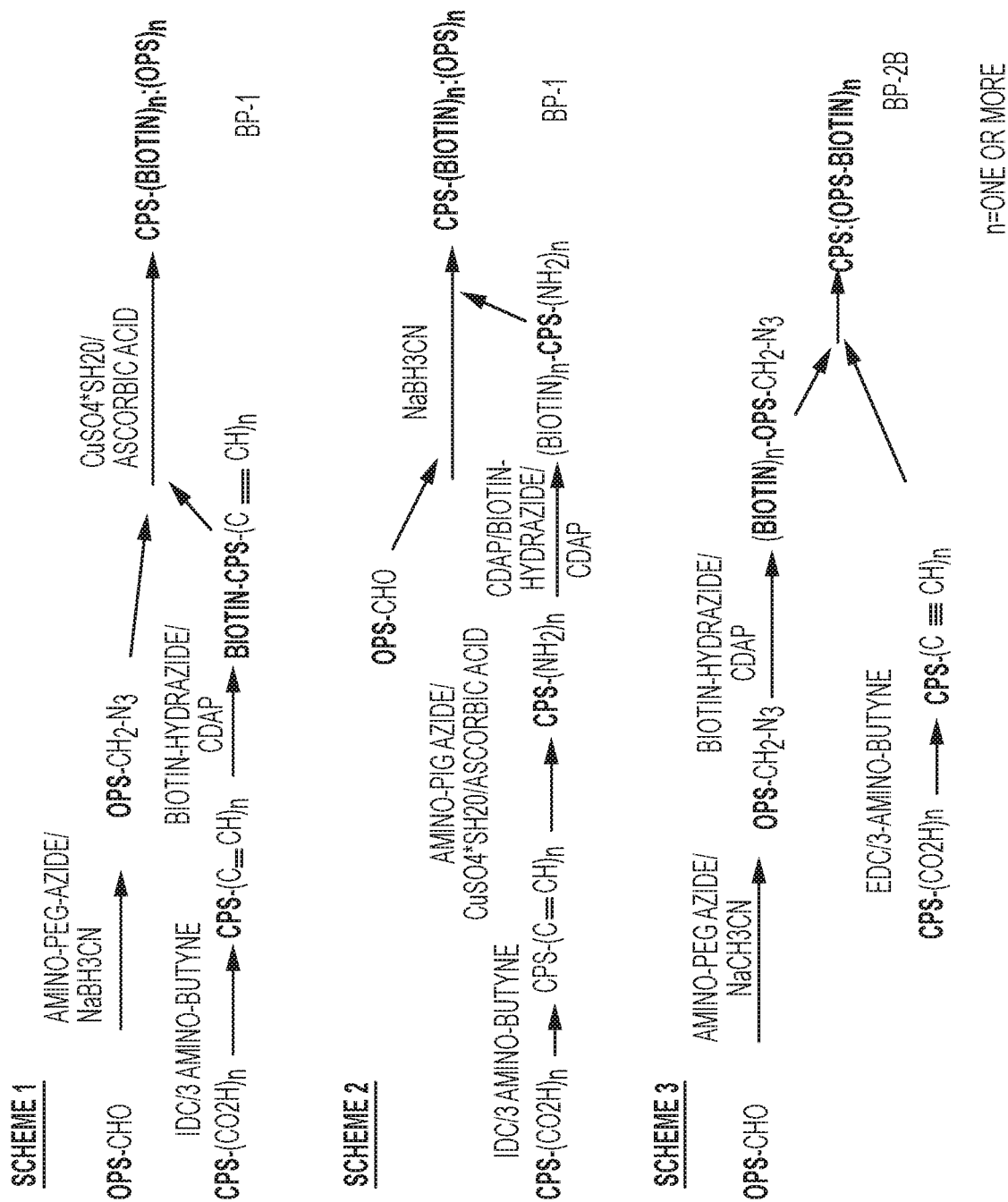


Figure 5B

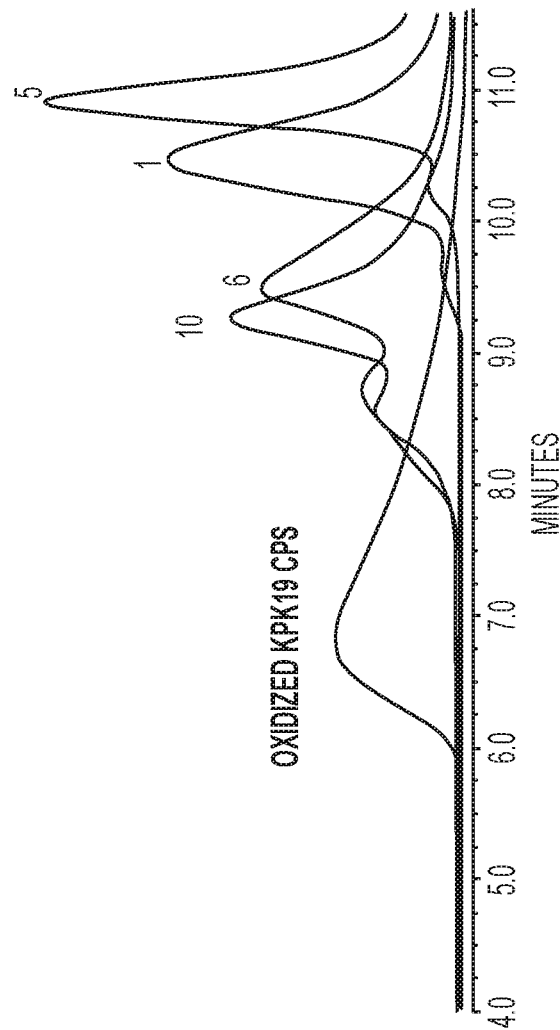


Figure 6A

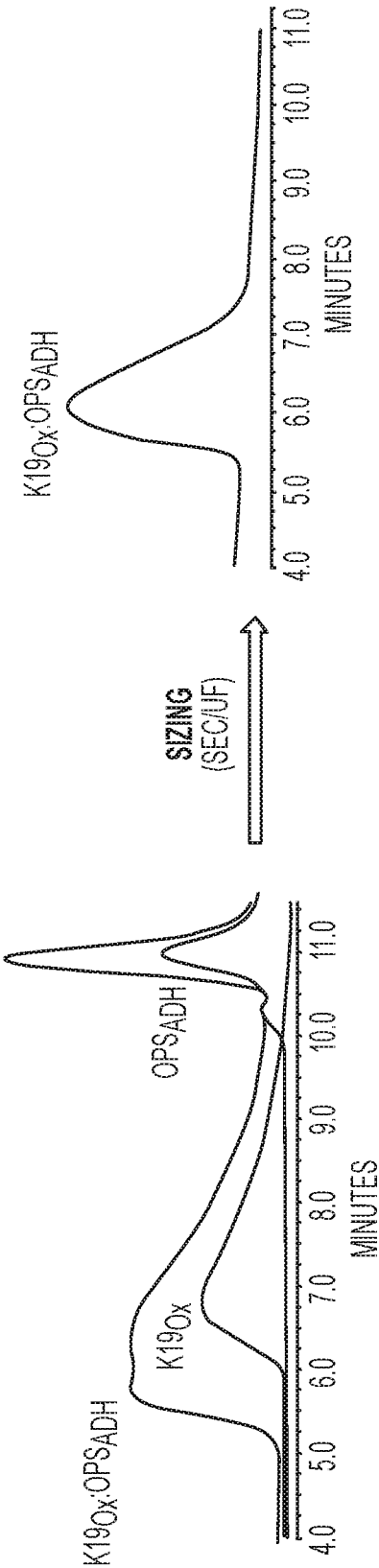


Figure 6B

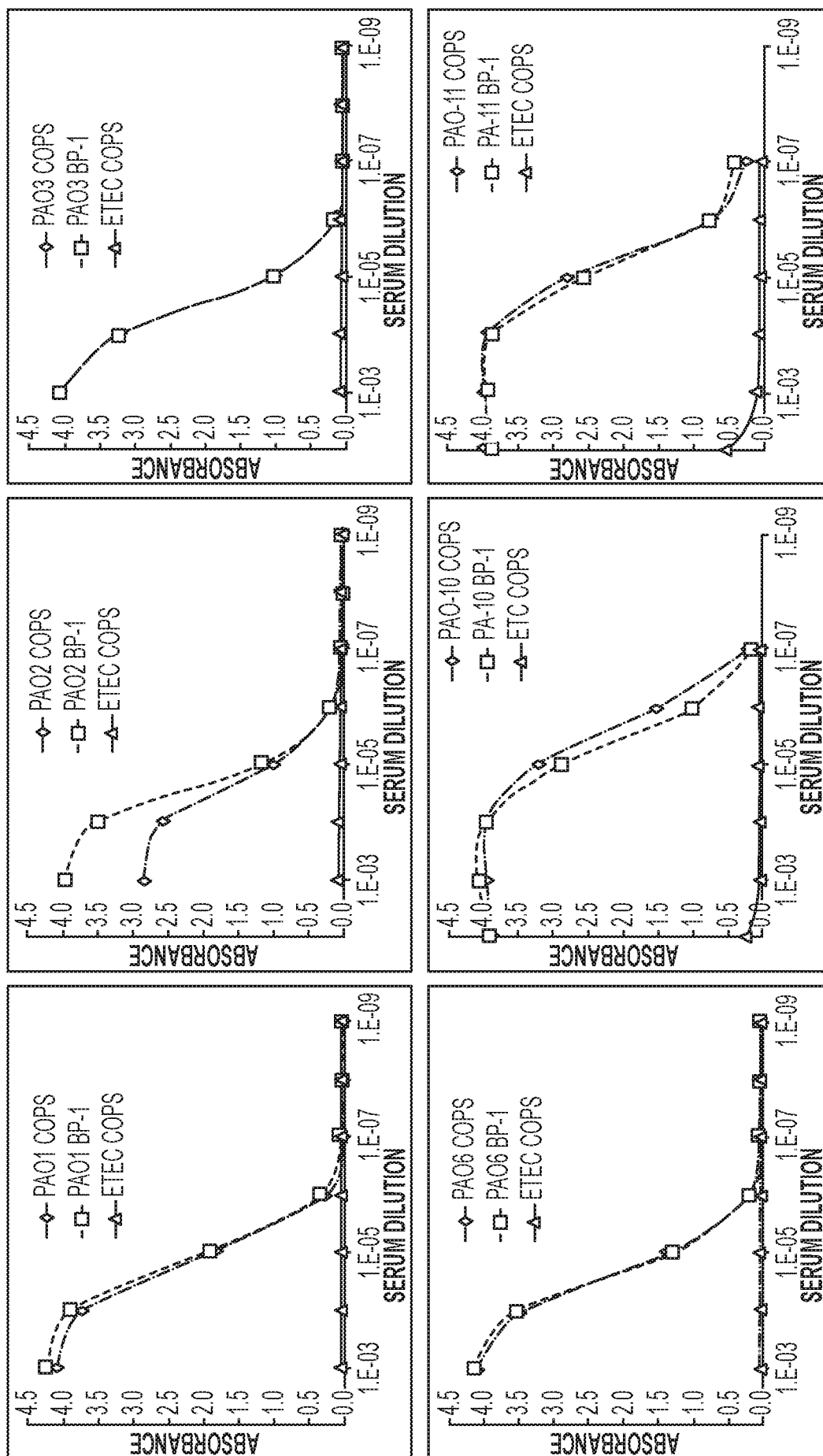


Figure 6C

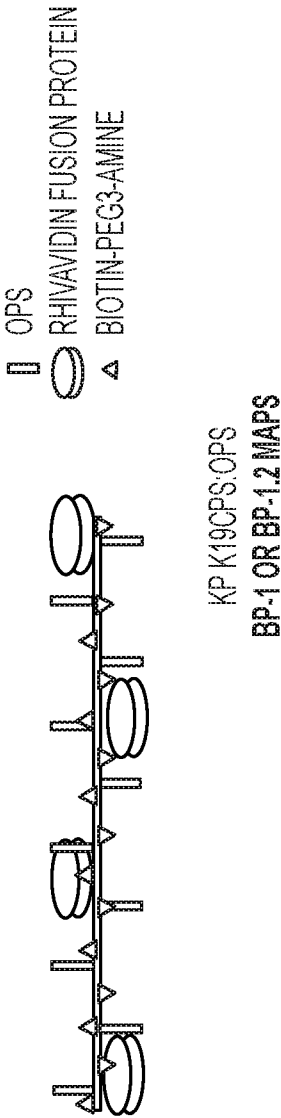


Figure 7A

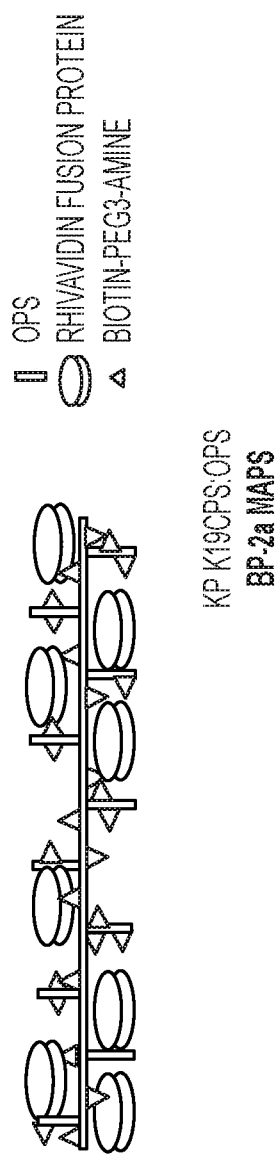


Figure 7B

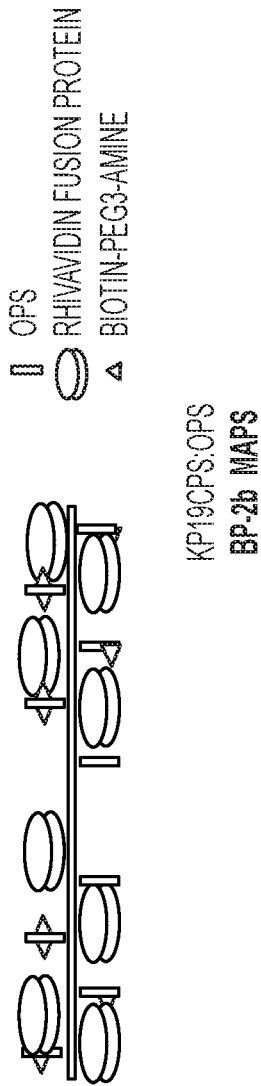


Figure 7C

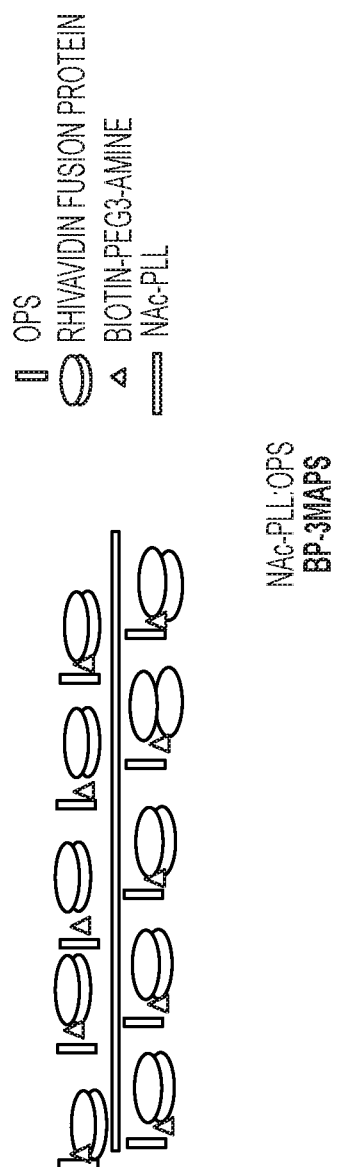
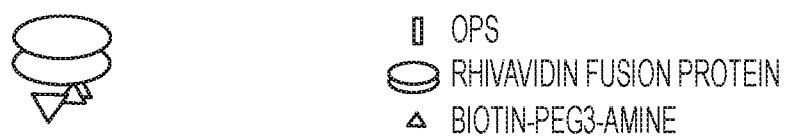


Figure 7D



MAPS WITH NATIVE OPS

Figure 7E

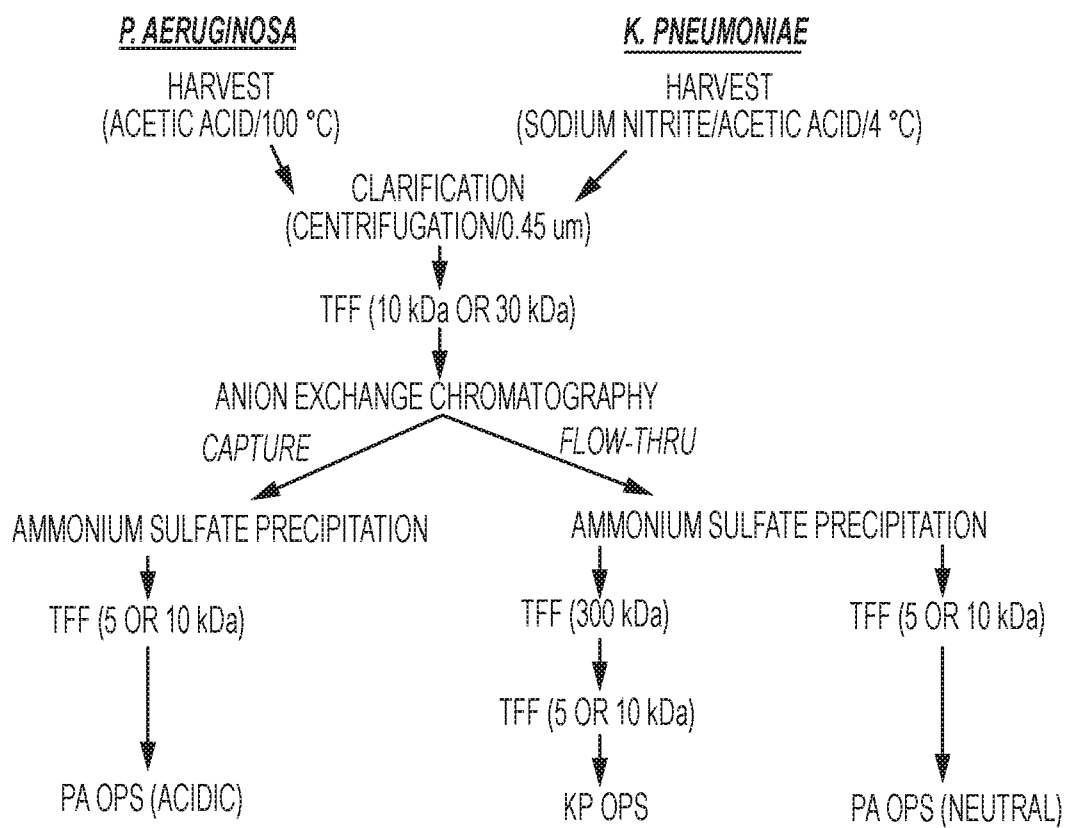


Figure 8A

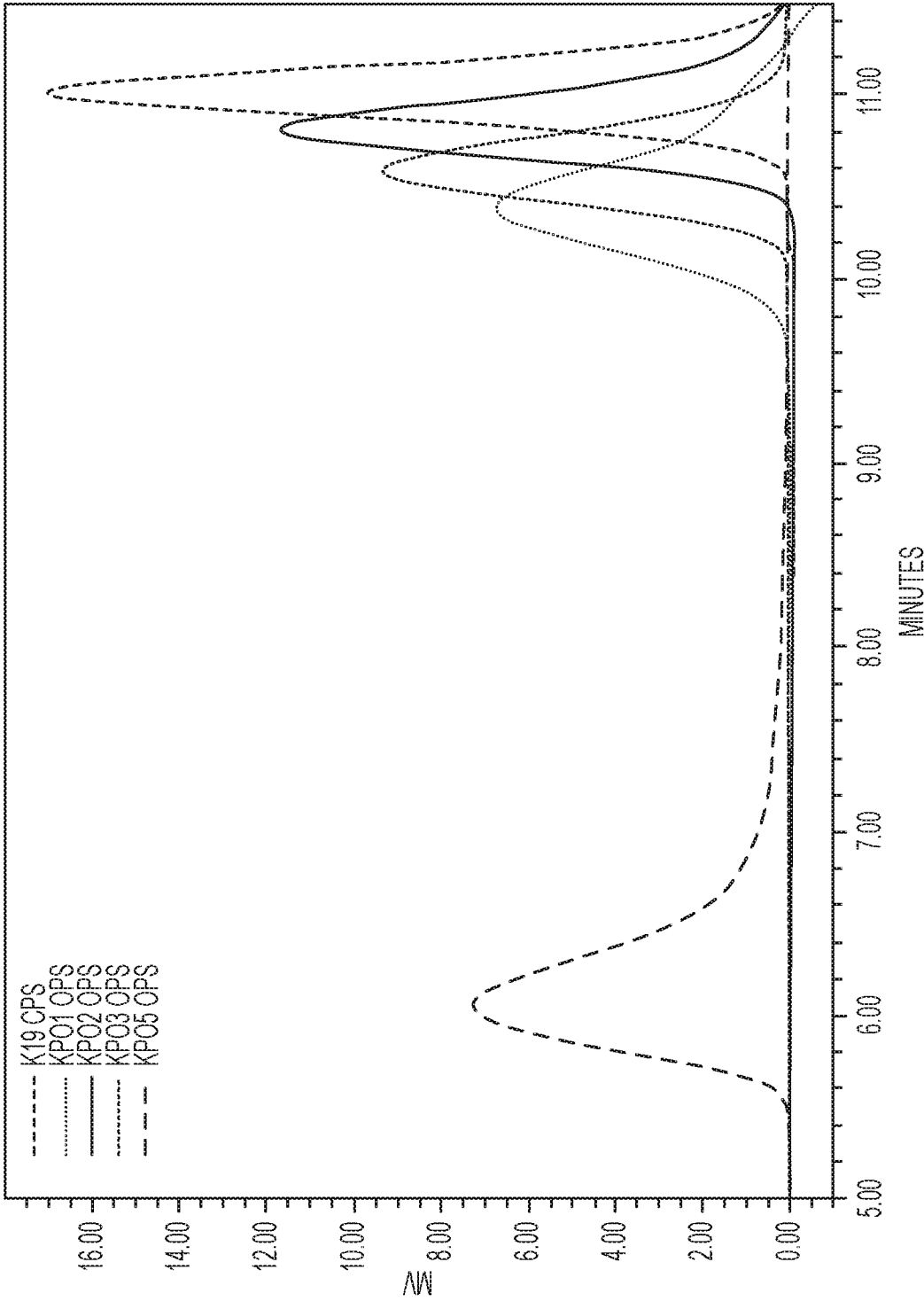


Figure 8B

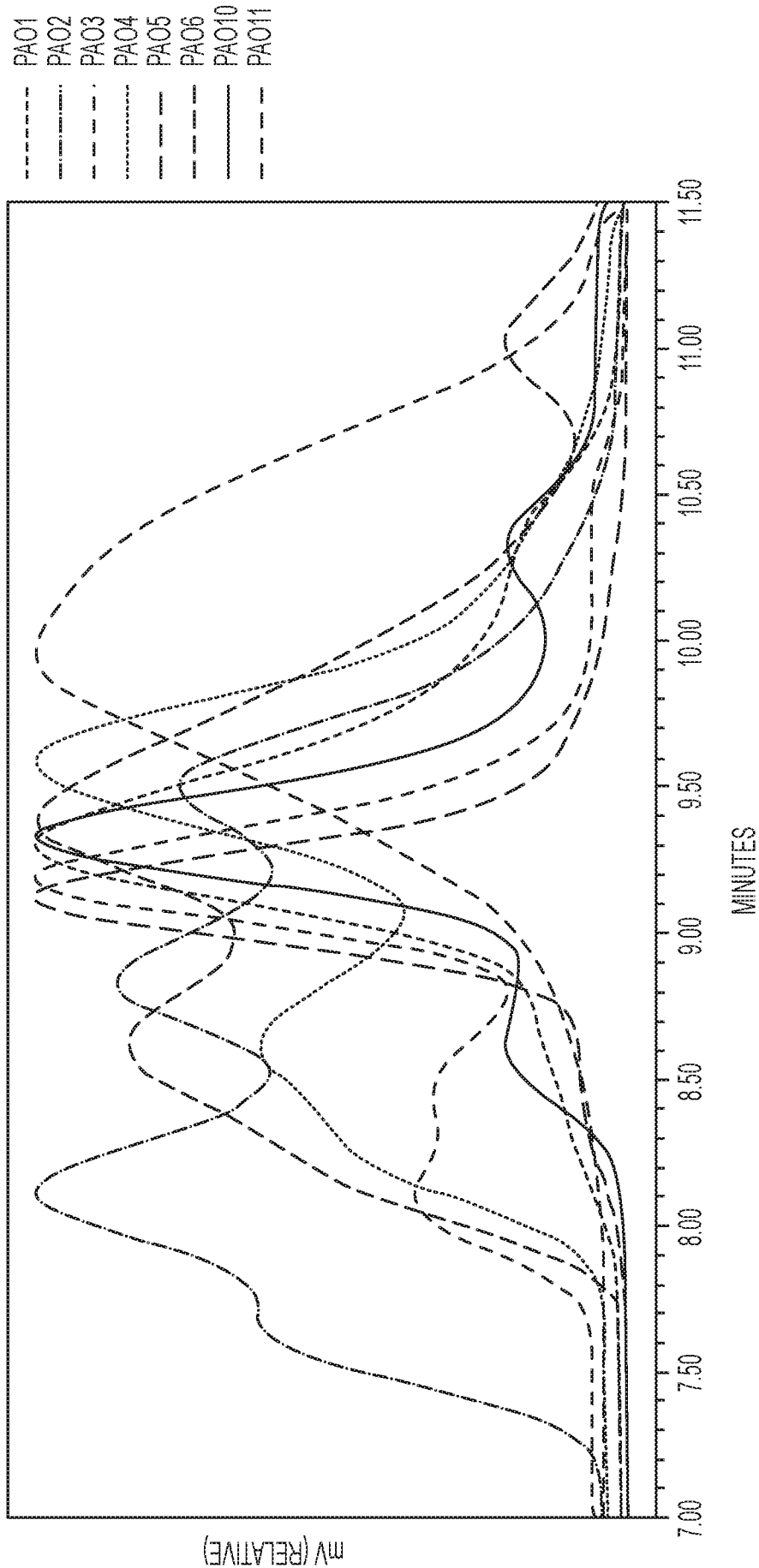


Figure 8C

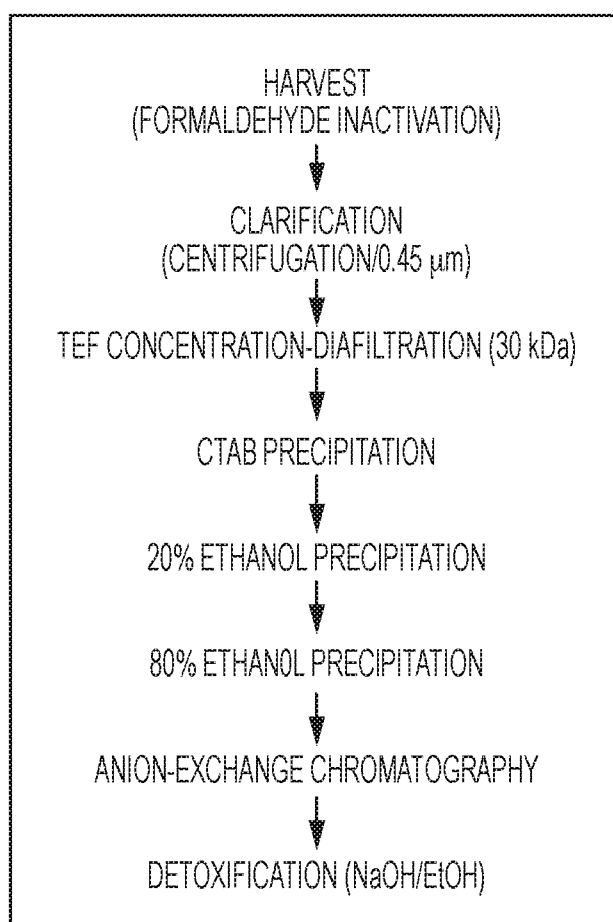


Figure 9A

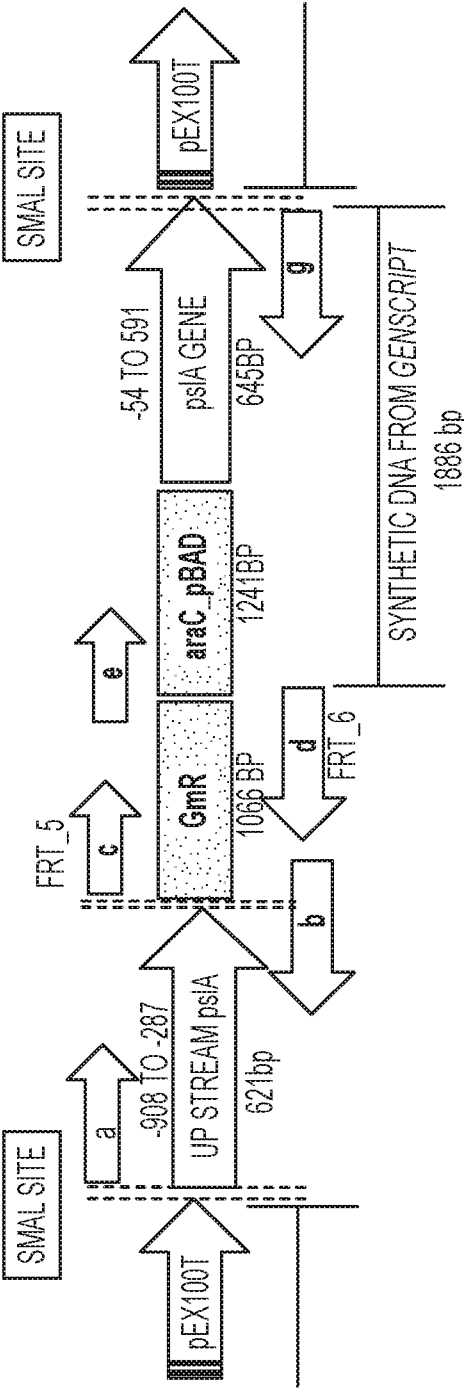


Figure 9B

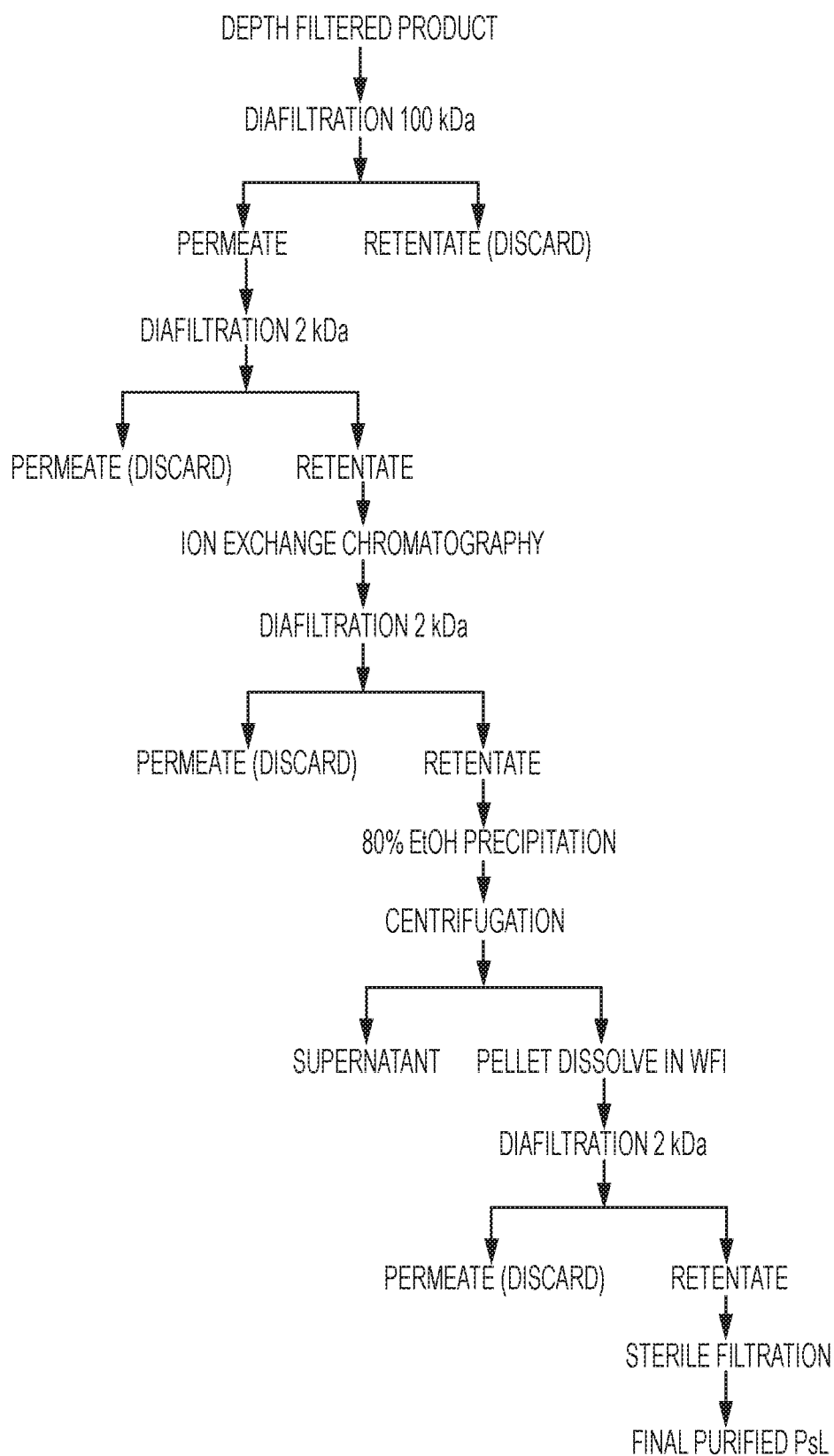


Figure 9C

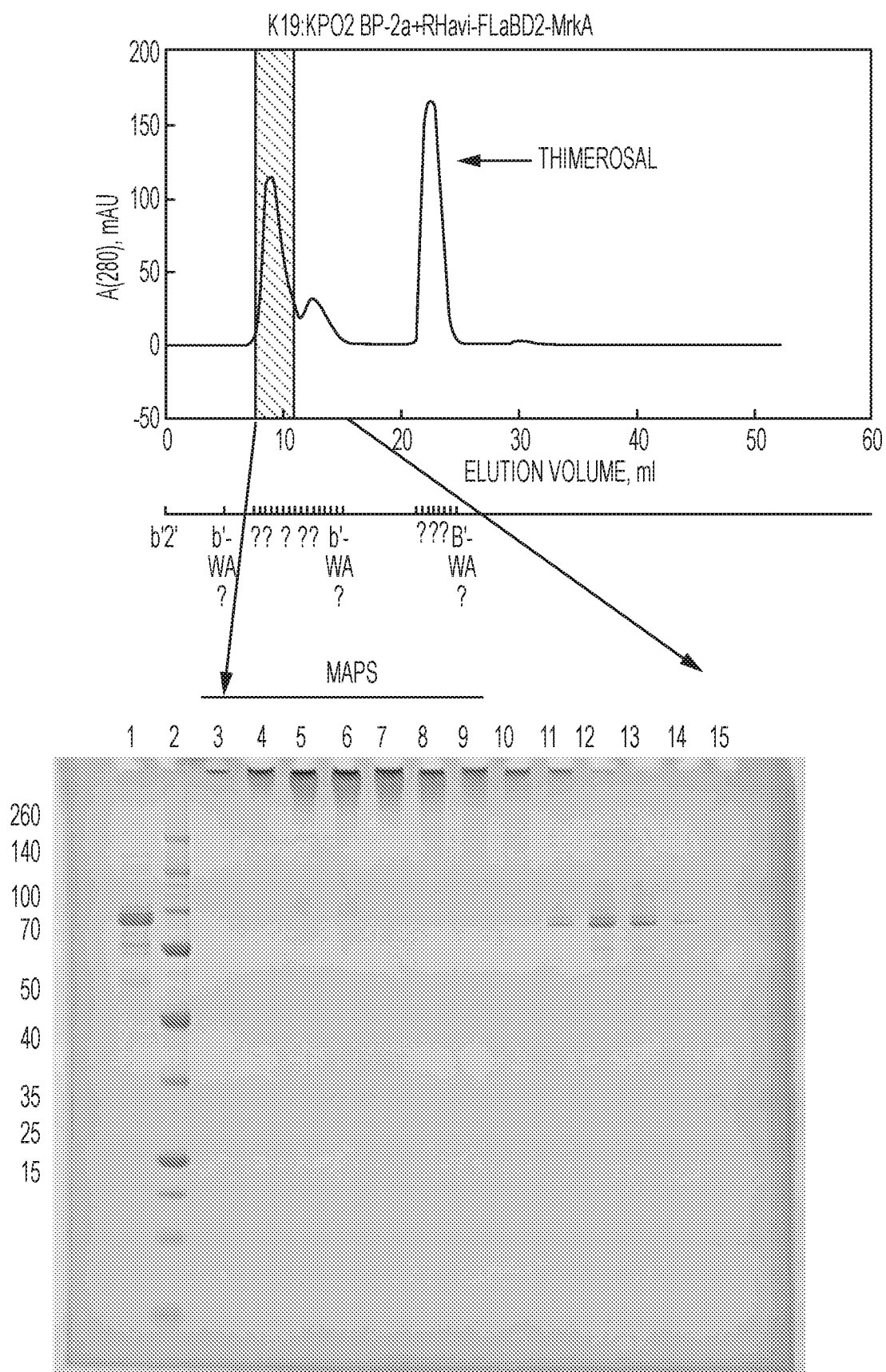


Figure 10

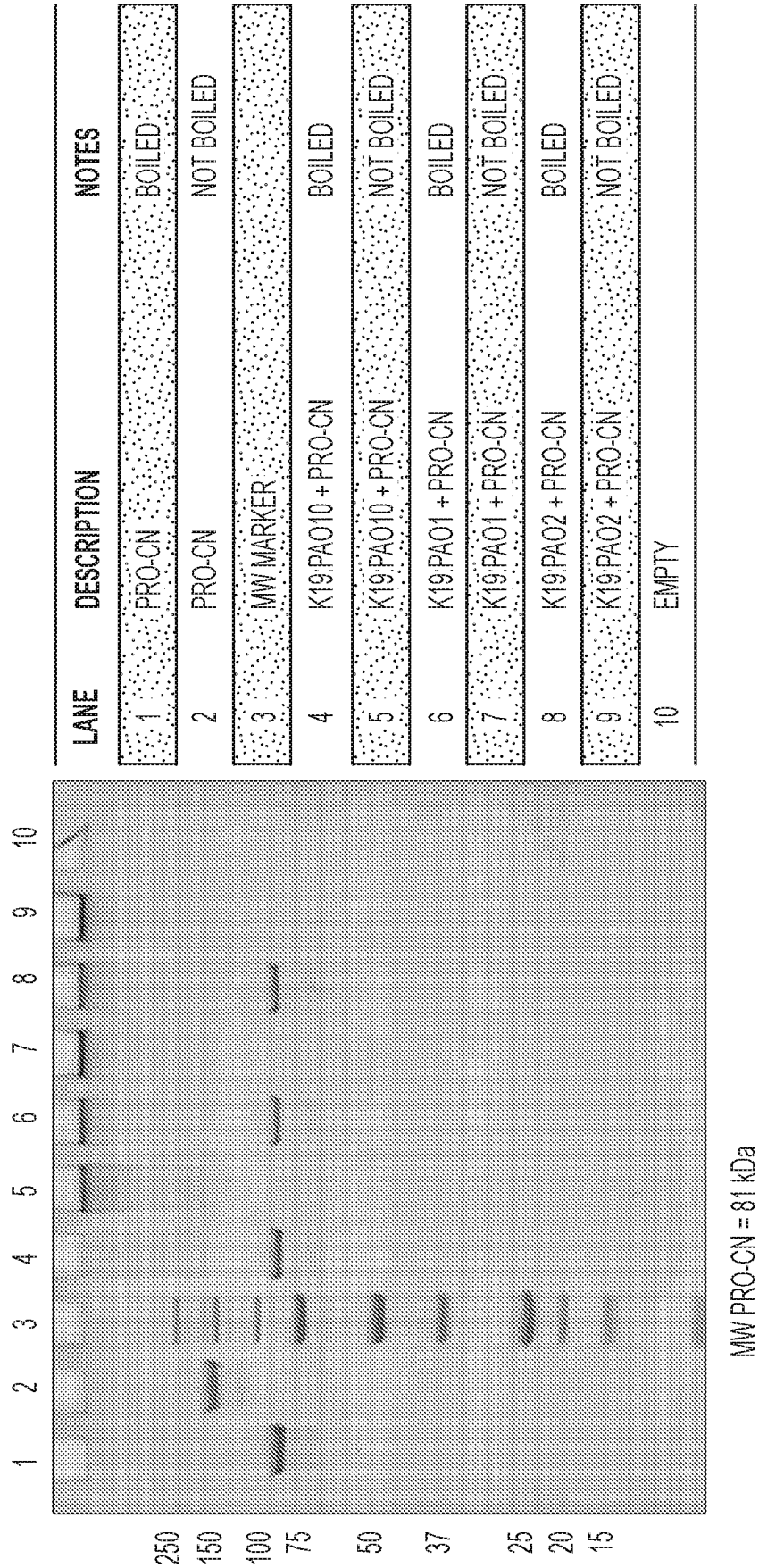
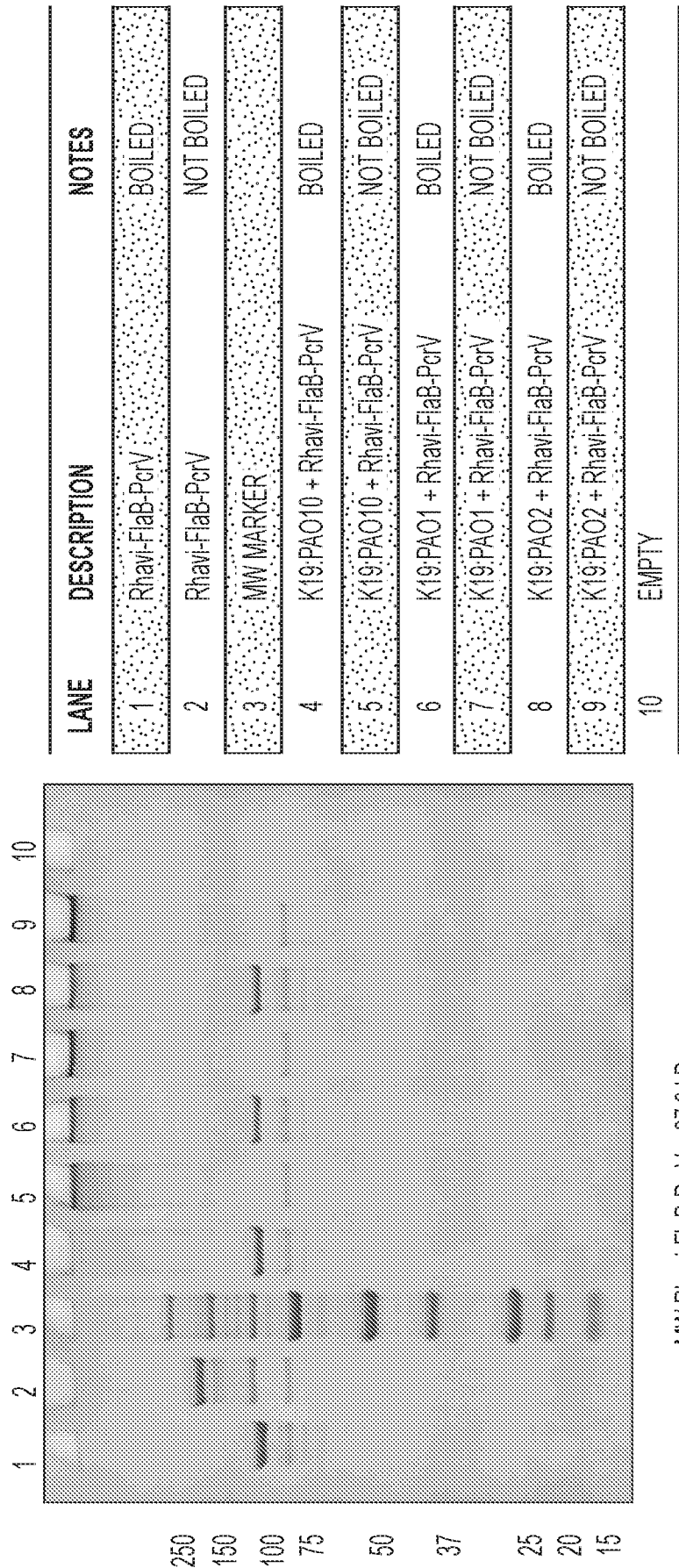
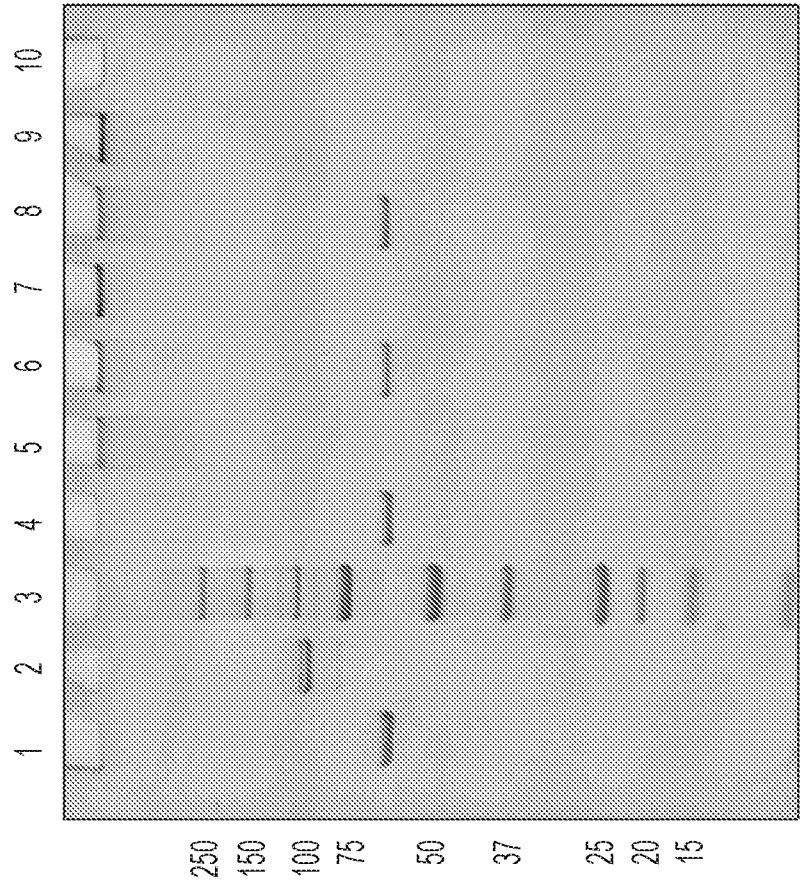


Figure 11A



MW Rhavi-FlaB-PcrV = 97.9 kDa

Figure 11B



MW Rhavi-FlaBD2-Mrka = 58.3 kDa

LANE	DESCRIPTION	NOTES
1	Rhavi-FlaBD2-Mrka	BOILED
2	Rhavi-FlaBD2-Mrka	NOT BOILED
3	MW MARKER	
4	K19:PAO10 + Rhavi-FlaBD2-Mrka	BOILED
5	K19:PAO10 + Rhavi-FlaBD2-Mrka	NOT BOILED
6	K19:PAO1 + Rhavi-FlaBD2-Mrka	BOILED
7	K19:PAO1 + Rhavi-FlaBD2-Mrka	NOT BOILED
8	K19:PAO2 + Rhavi-FlaBD2-Mrka	BOILED
9	K19:PAO2 + Rhavi-FlaBD2-Mrka	NOT BOILED
10	EMPTY	

Figure 11C

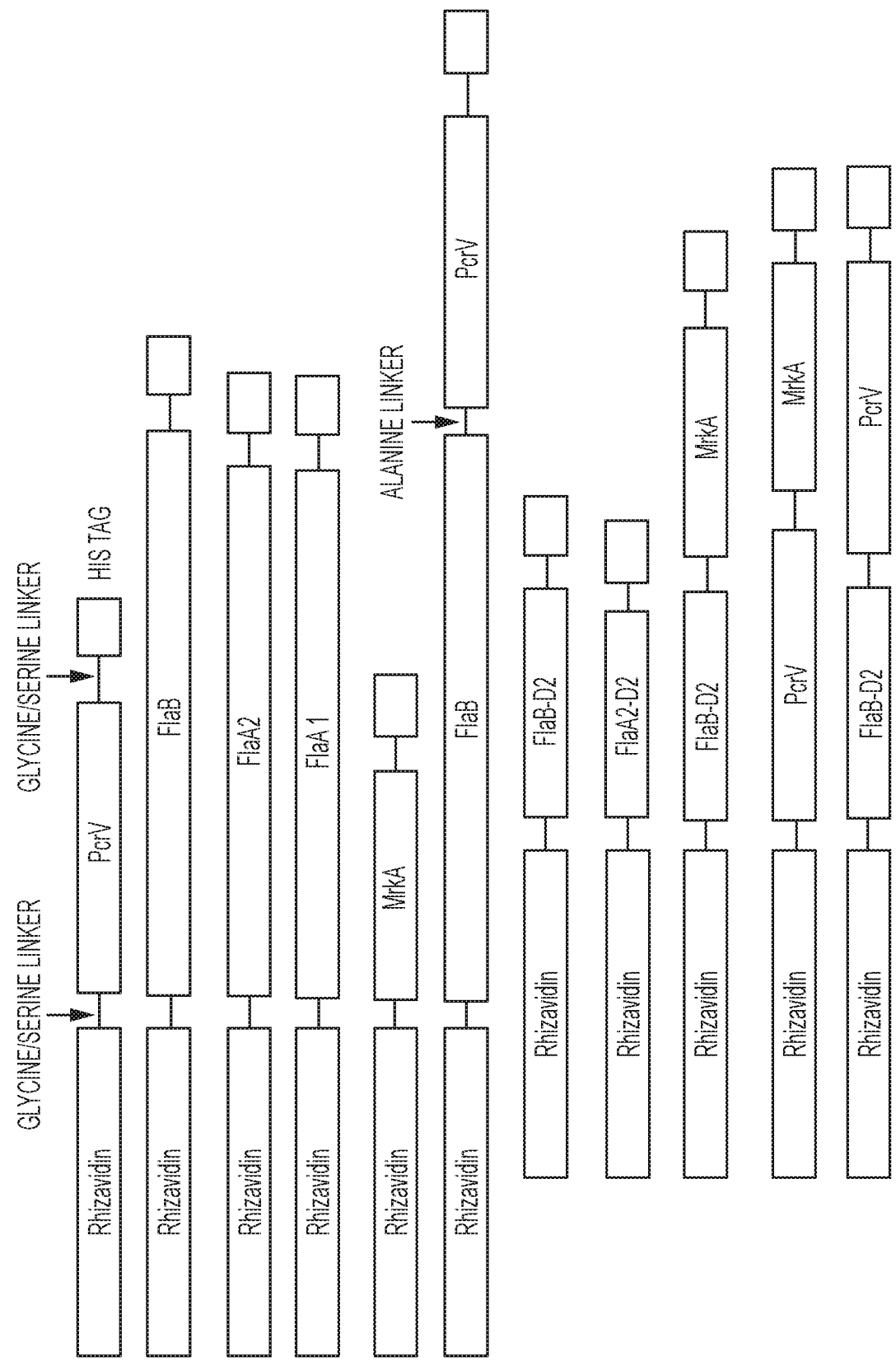


Figure 12A

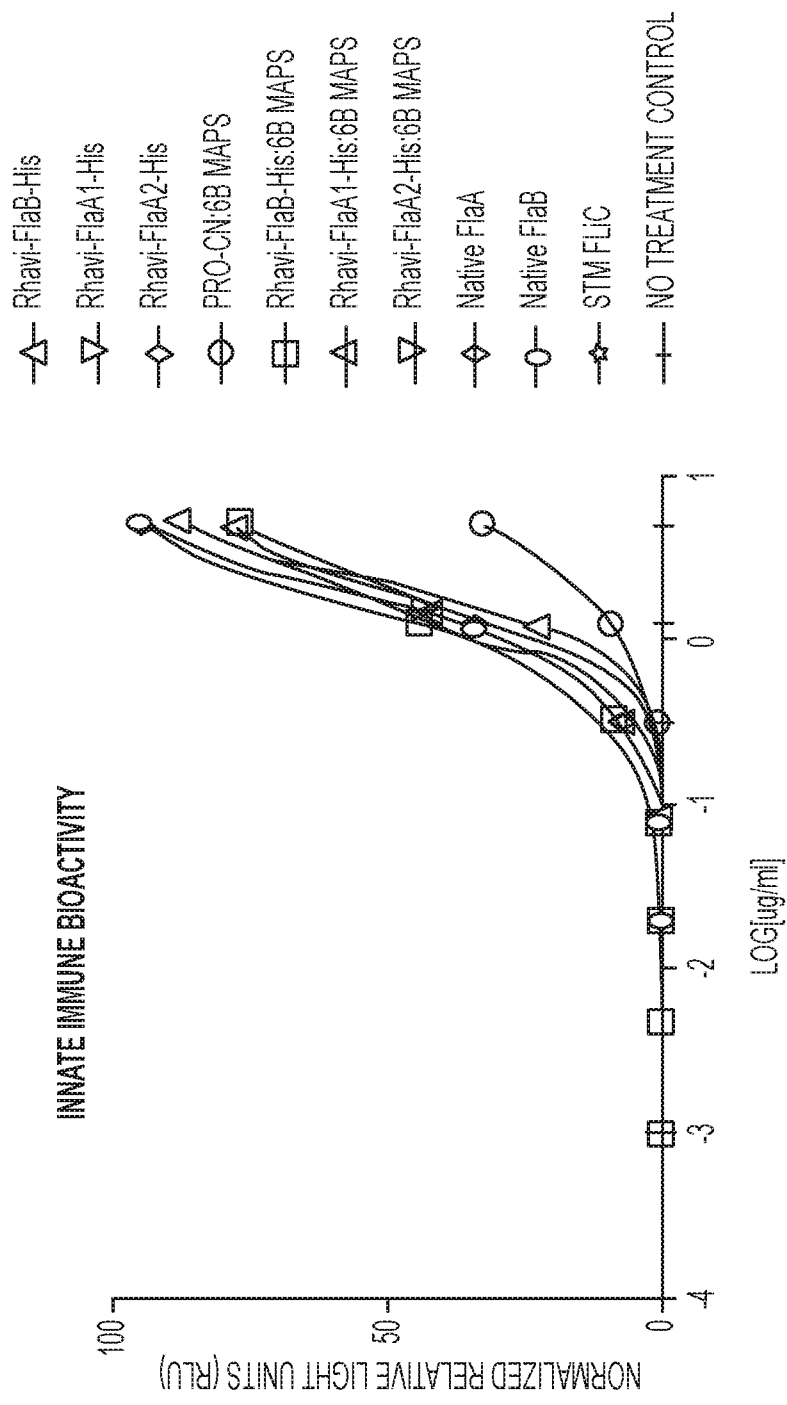


Figure 12B

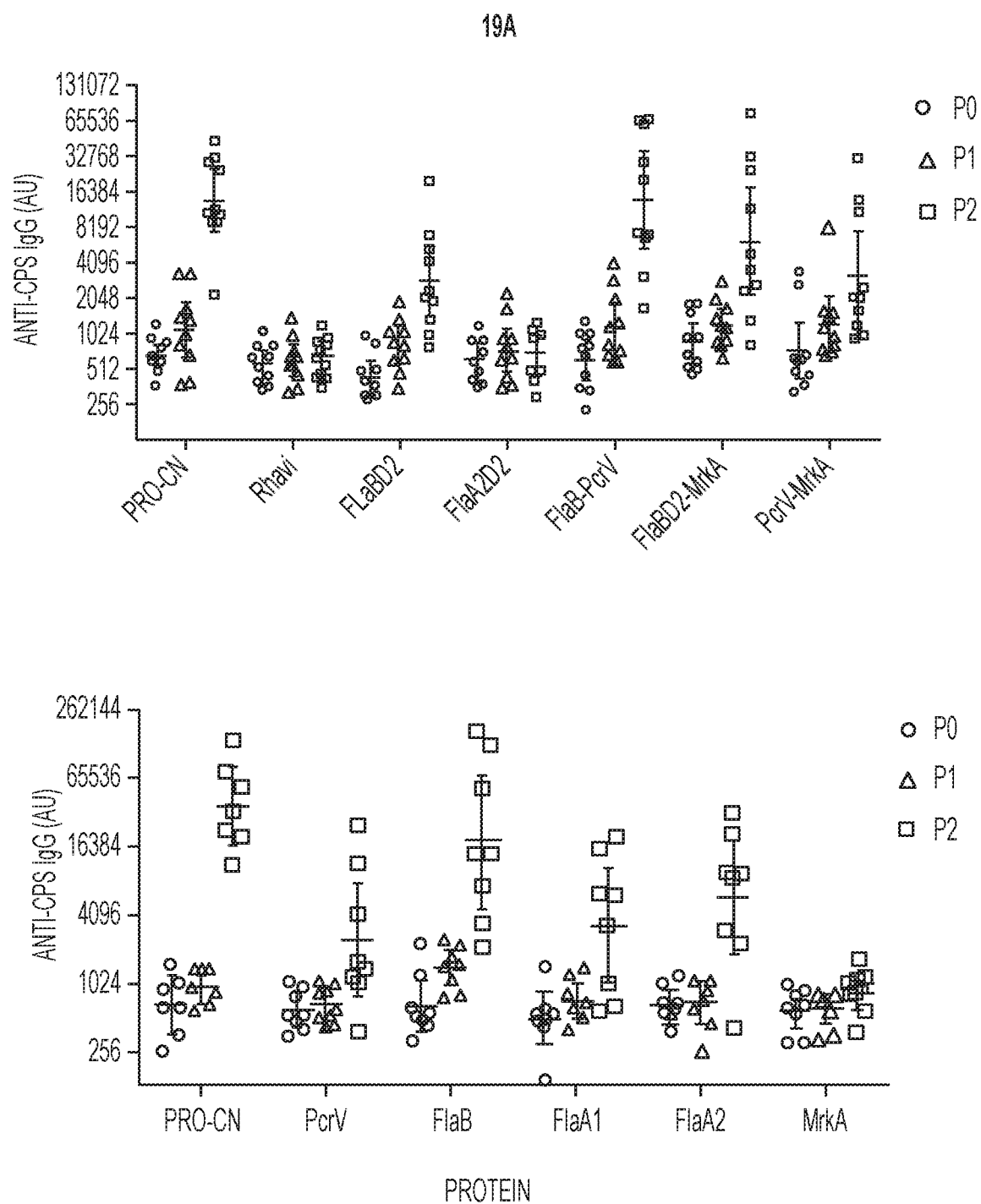


Figure 13A

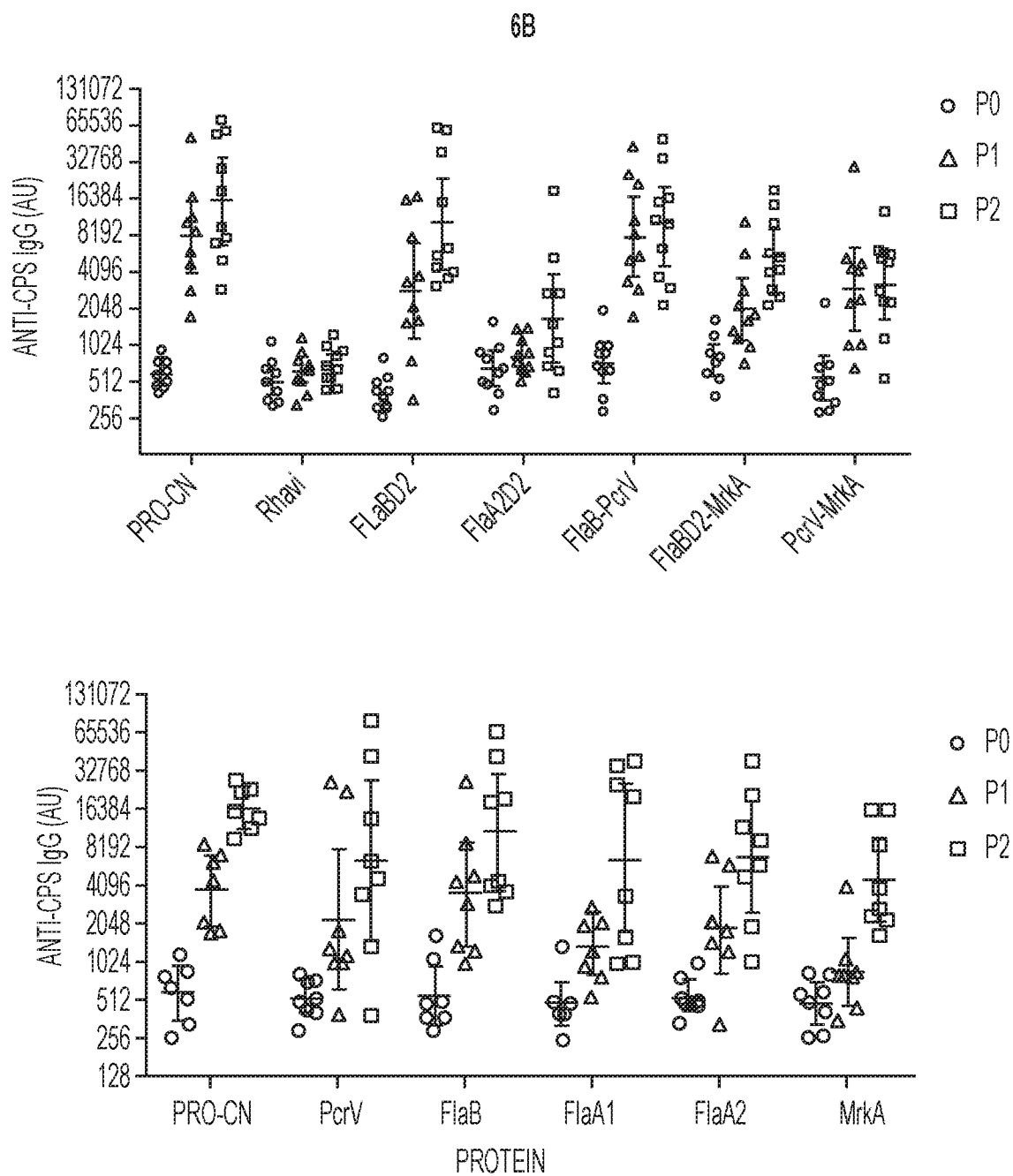


Figure 13B

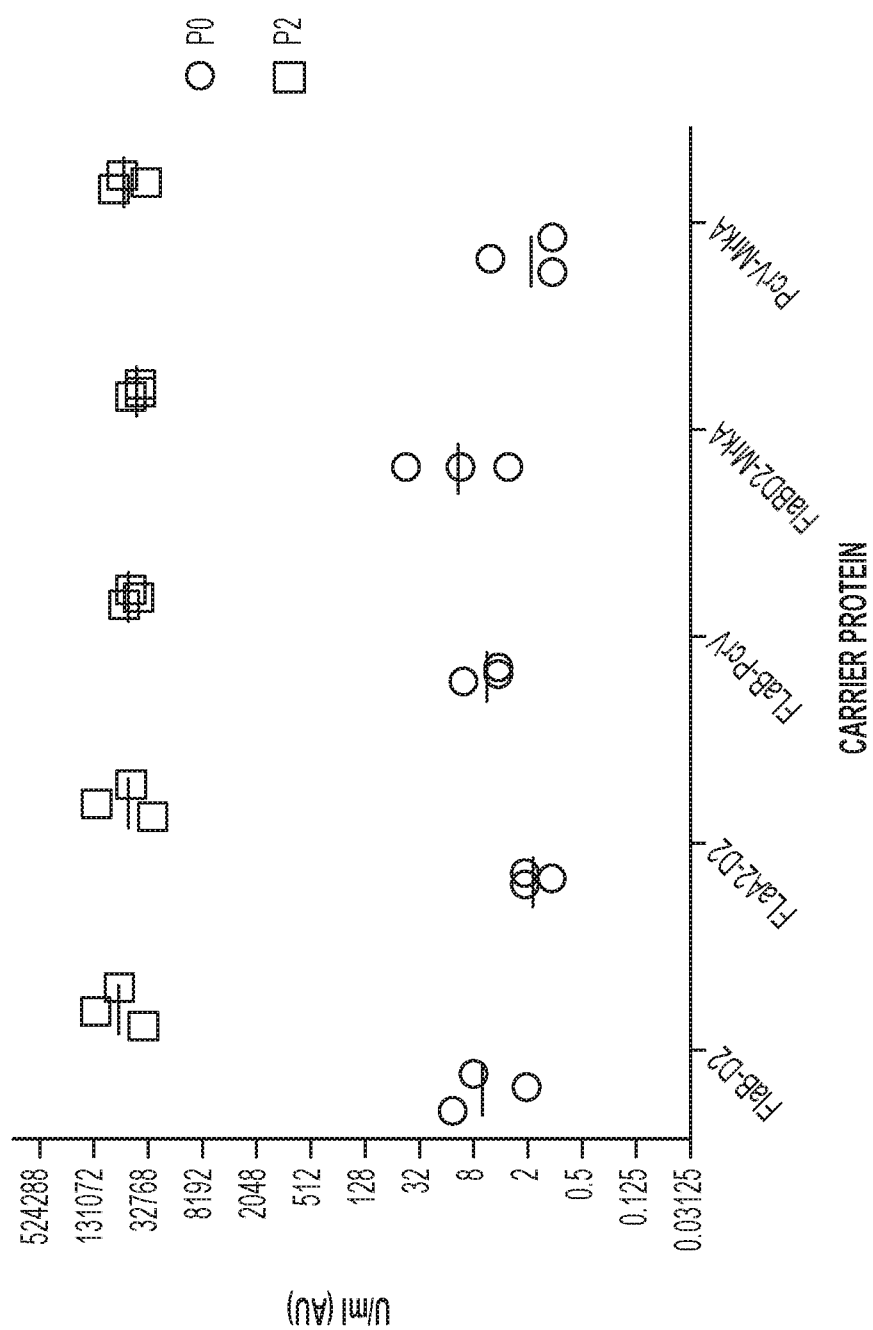


Figure 14

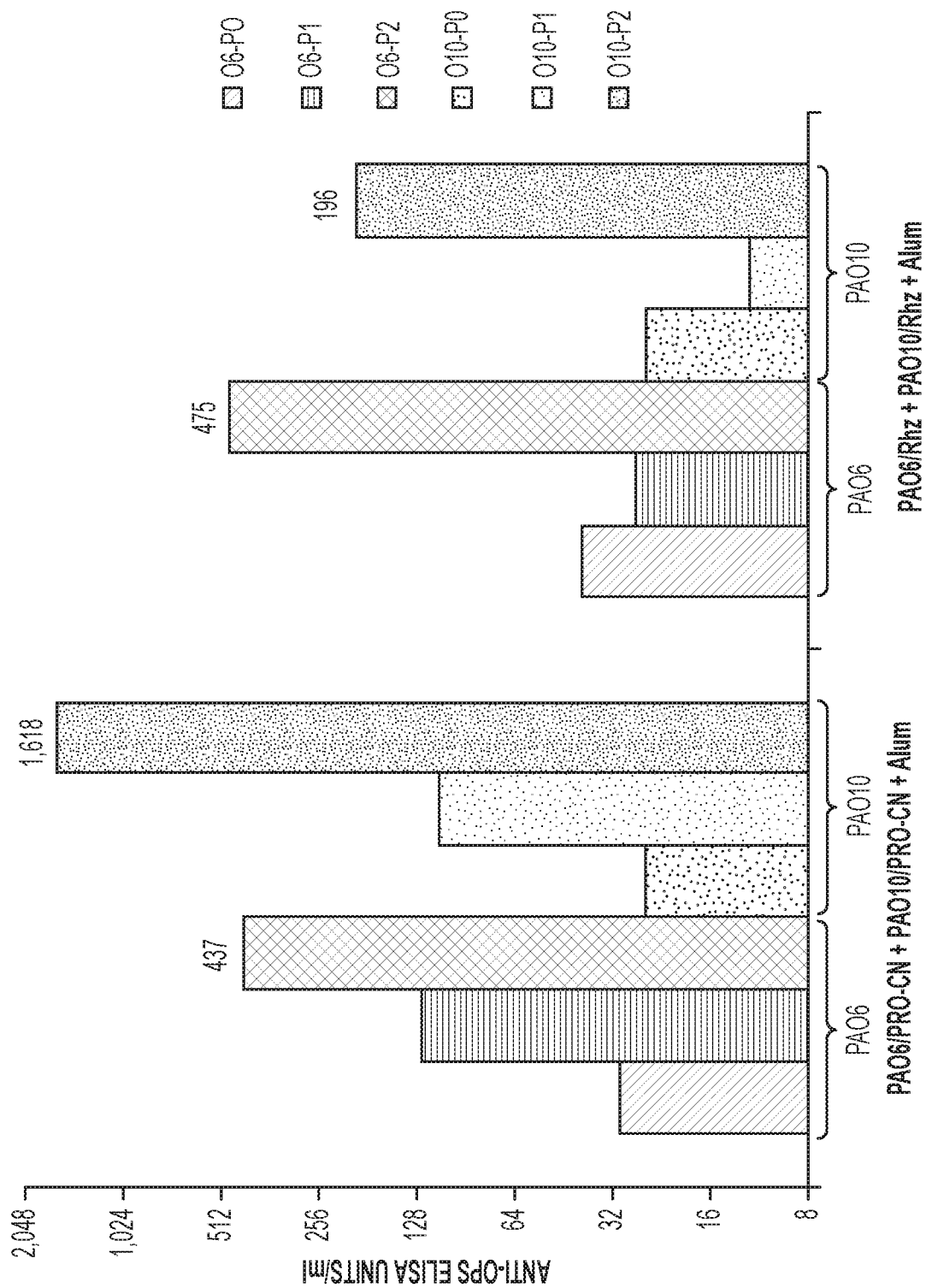


Figure 15

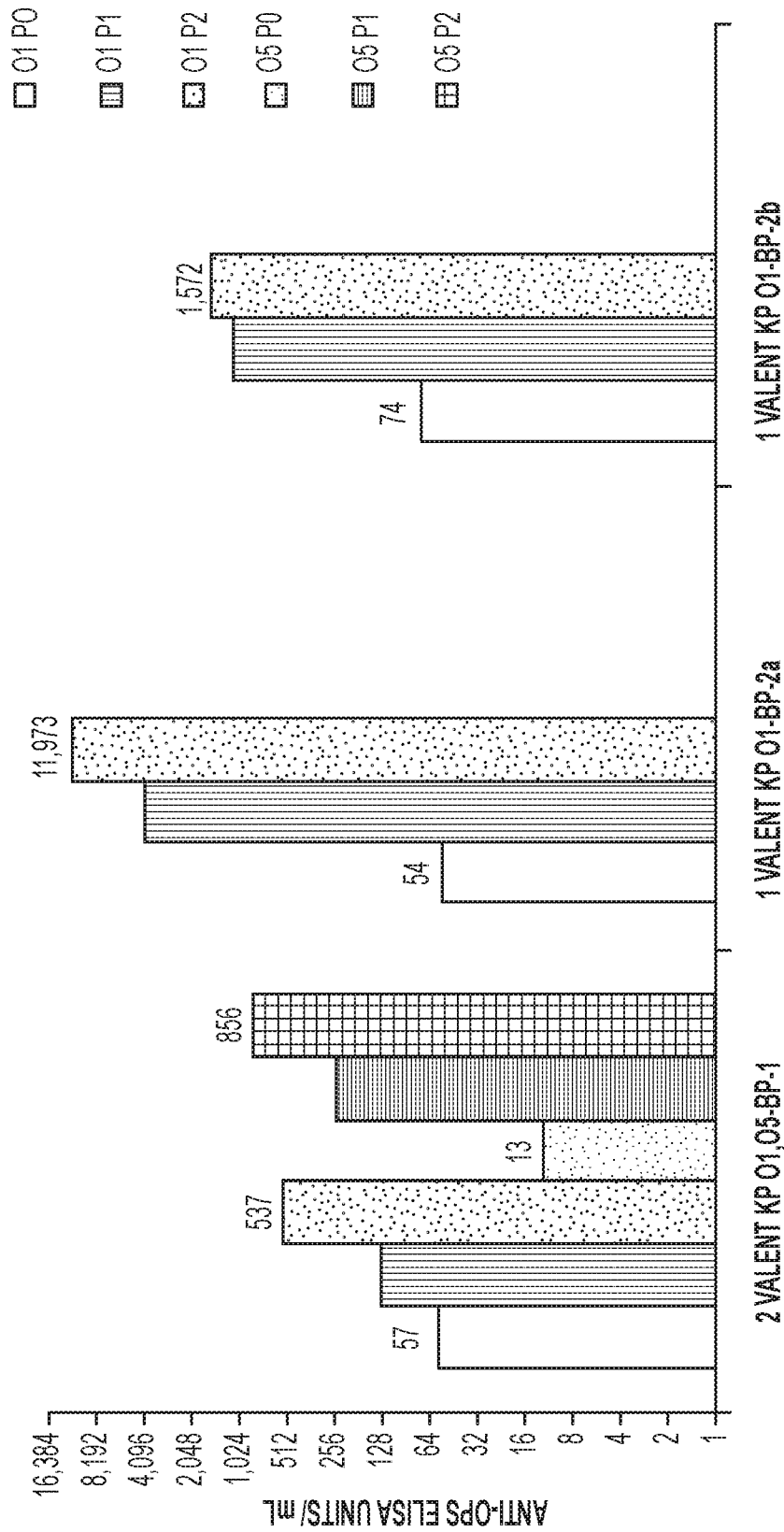


Figure 16

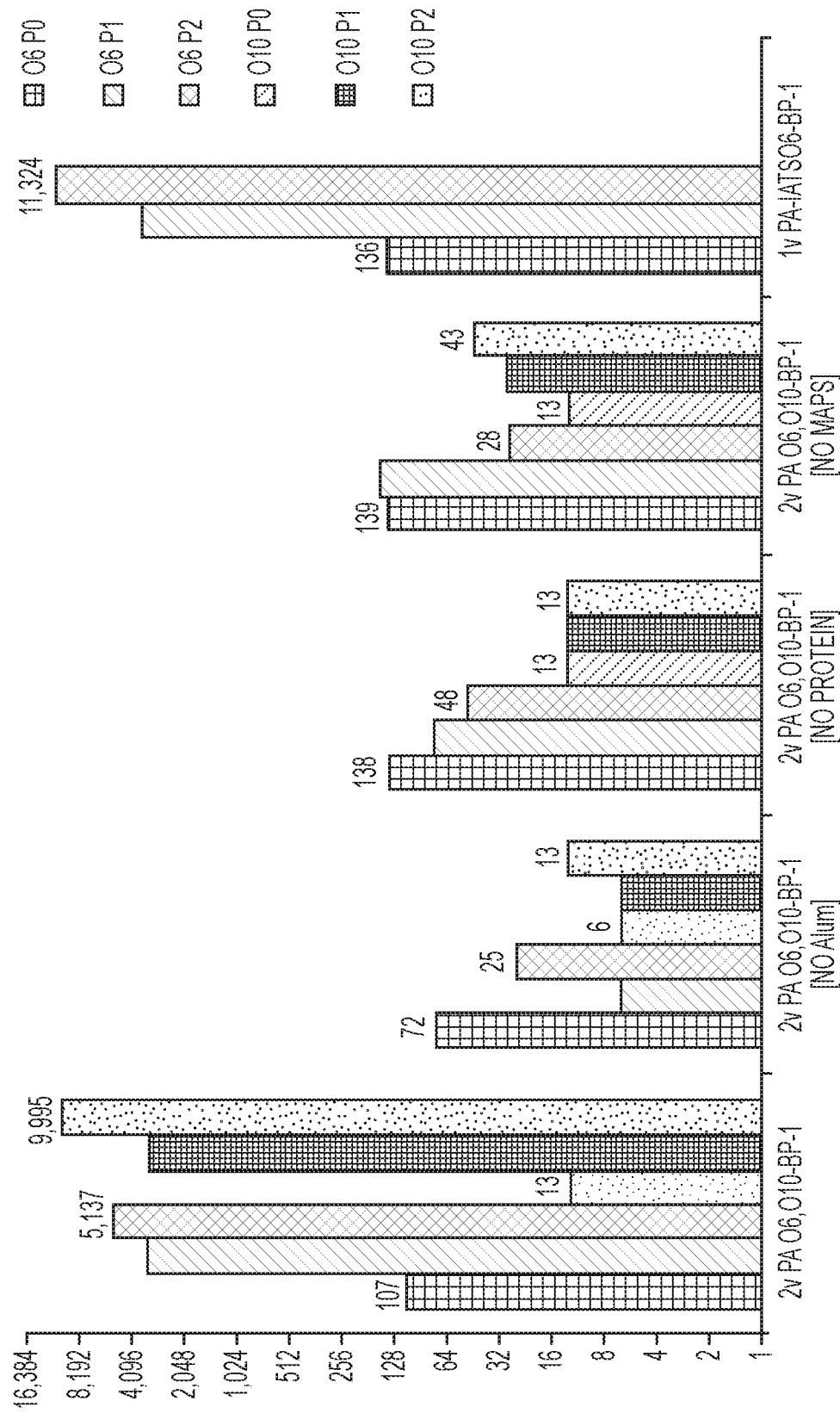


Figure 17

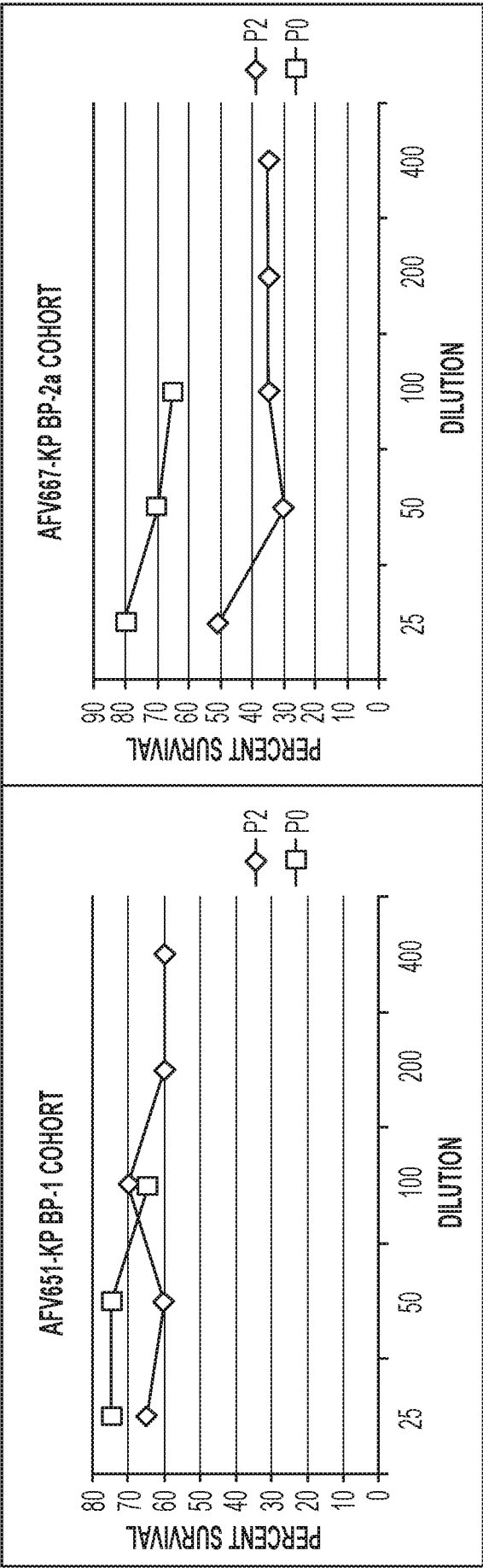


Figure 18A

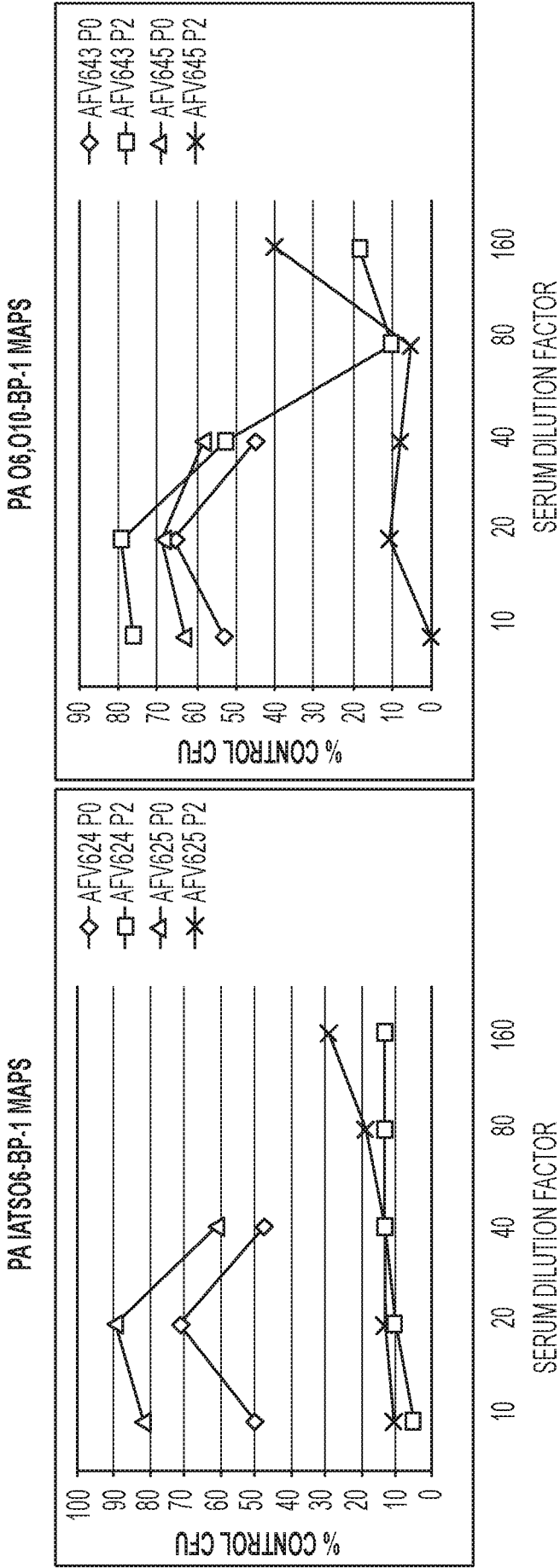


Figure 18B

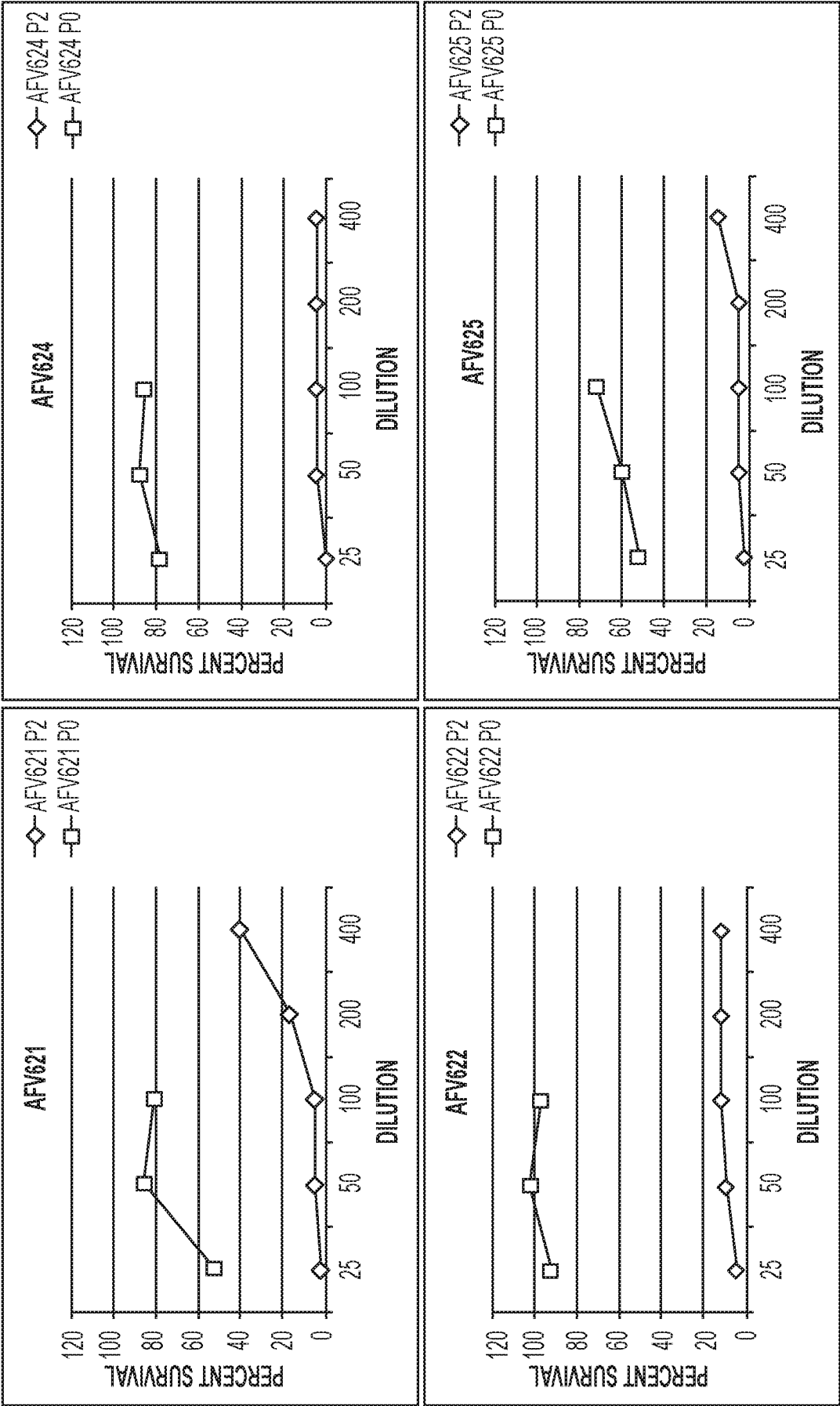


Figure 18C

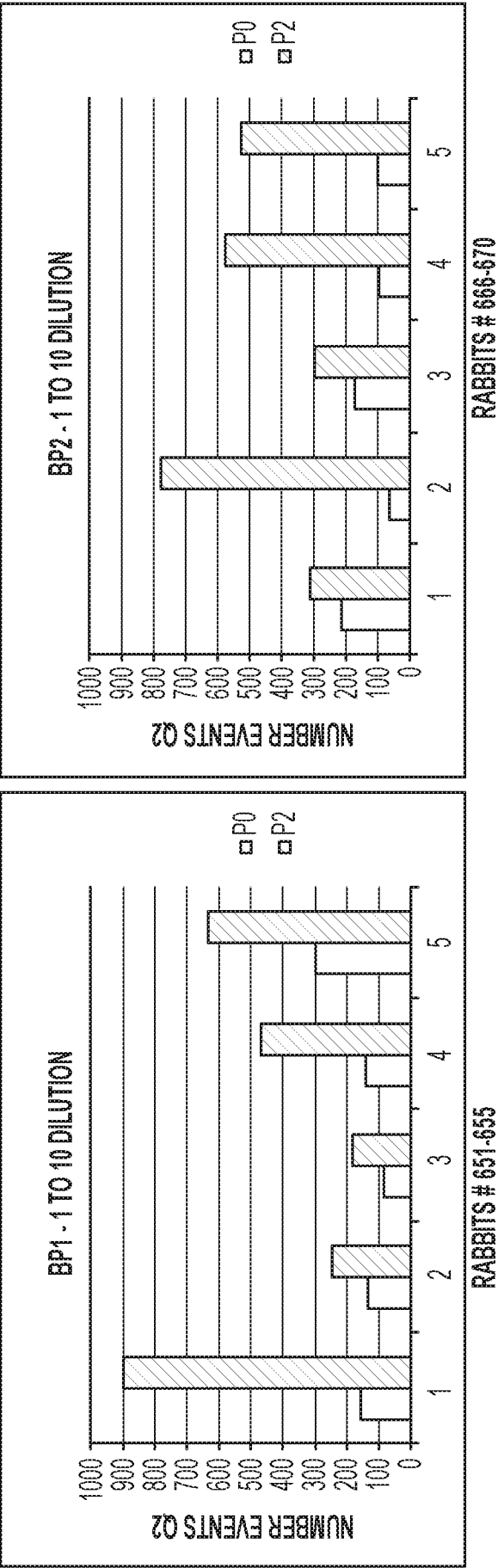


Figure 19A

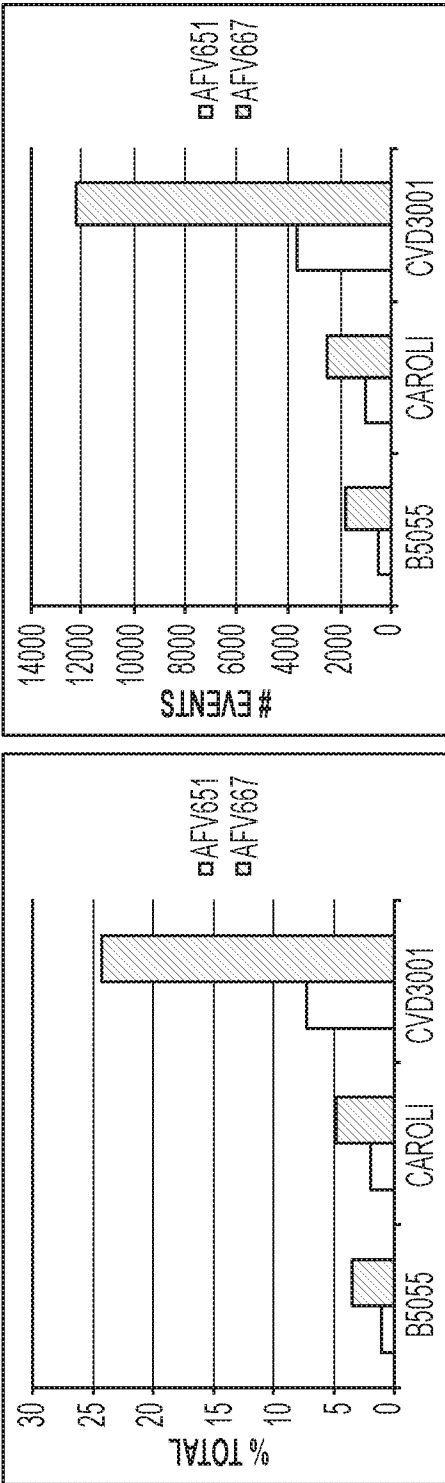
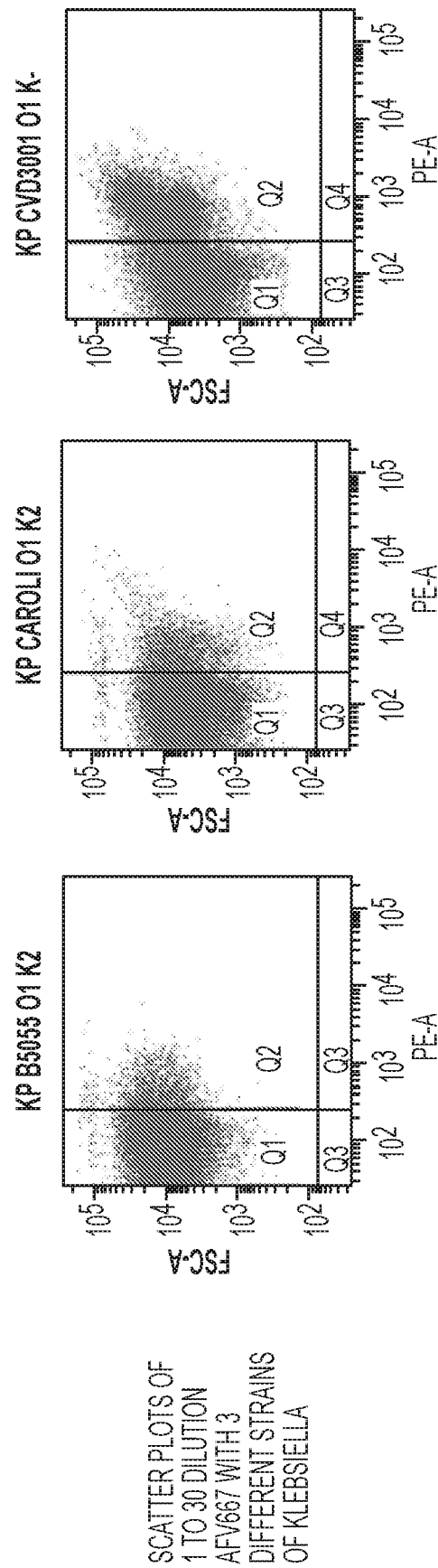


Figure 19B

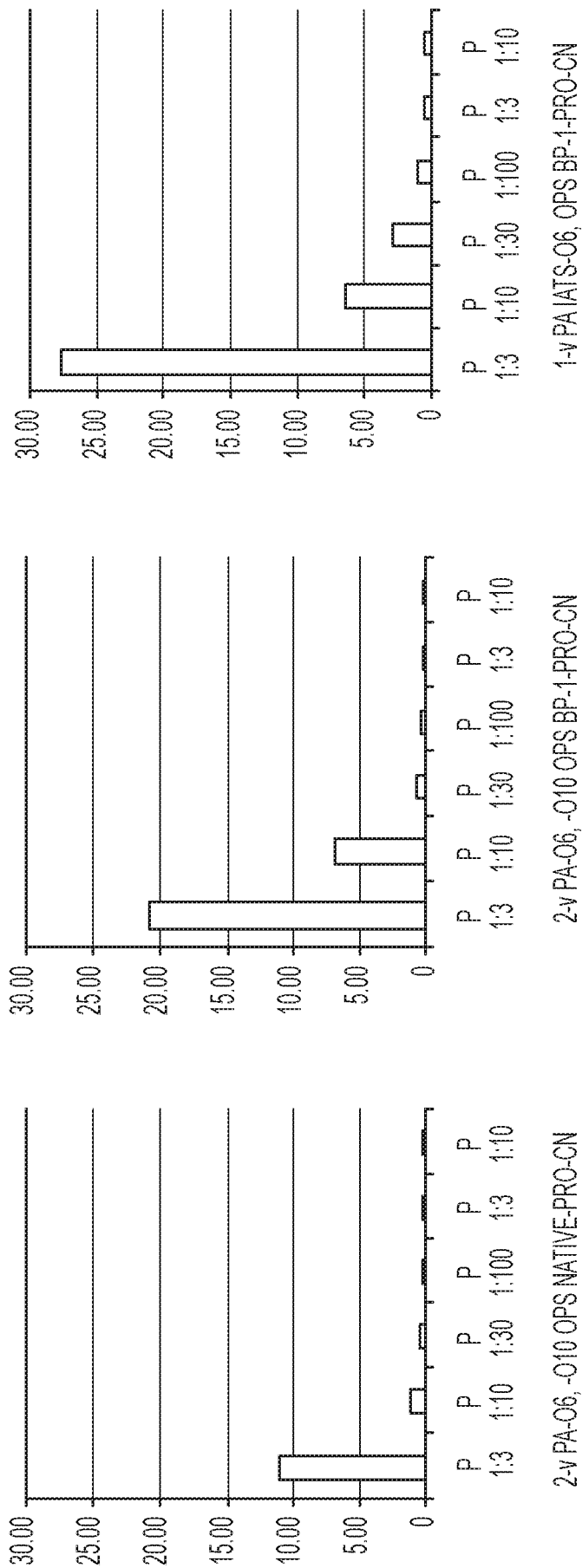


Figure 20

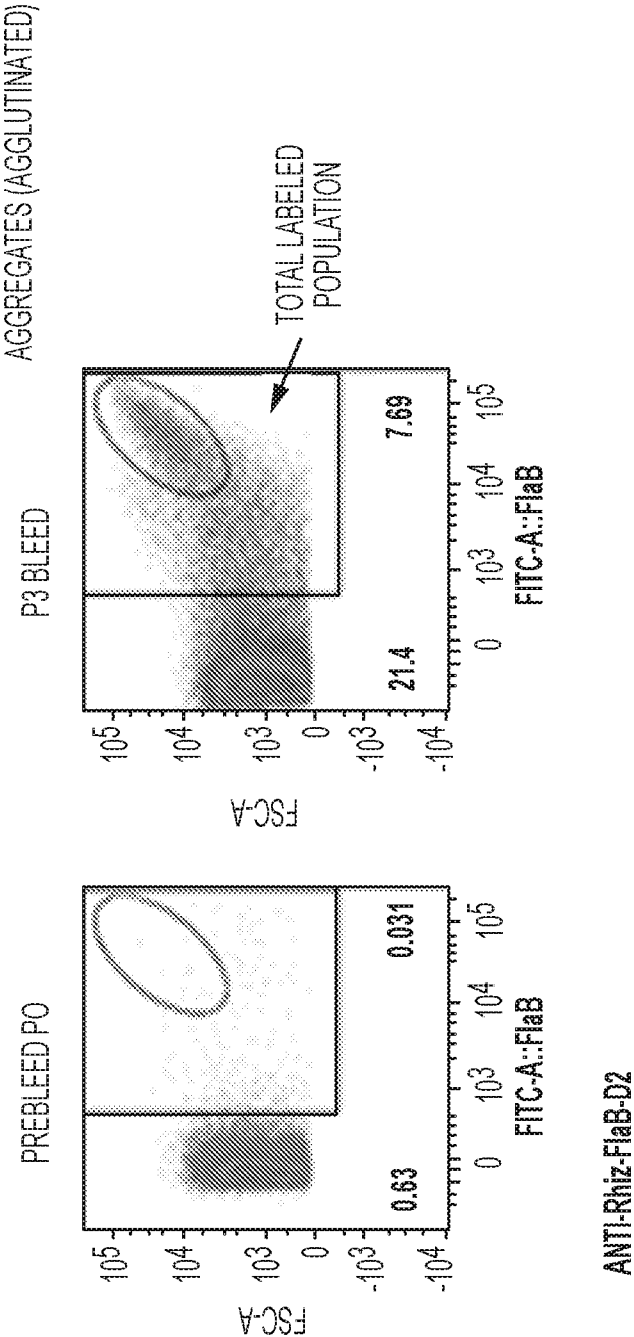


Figure 21A

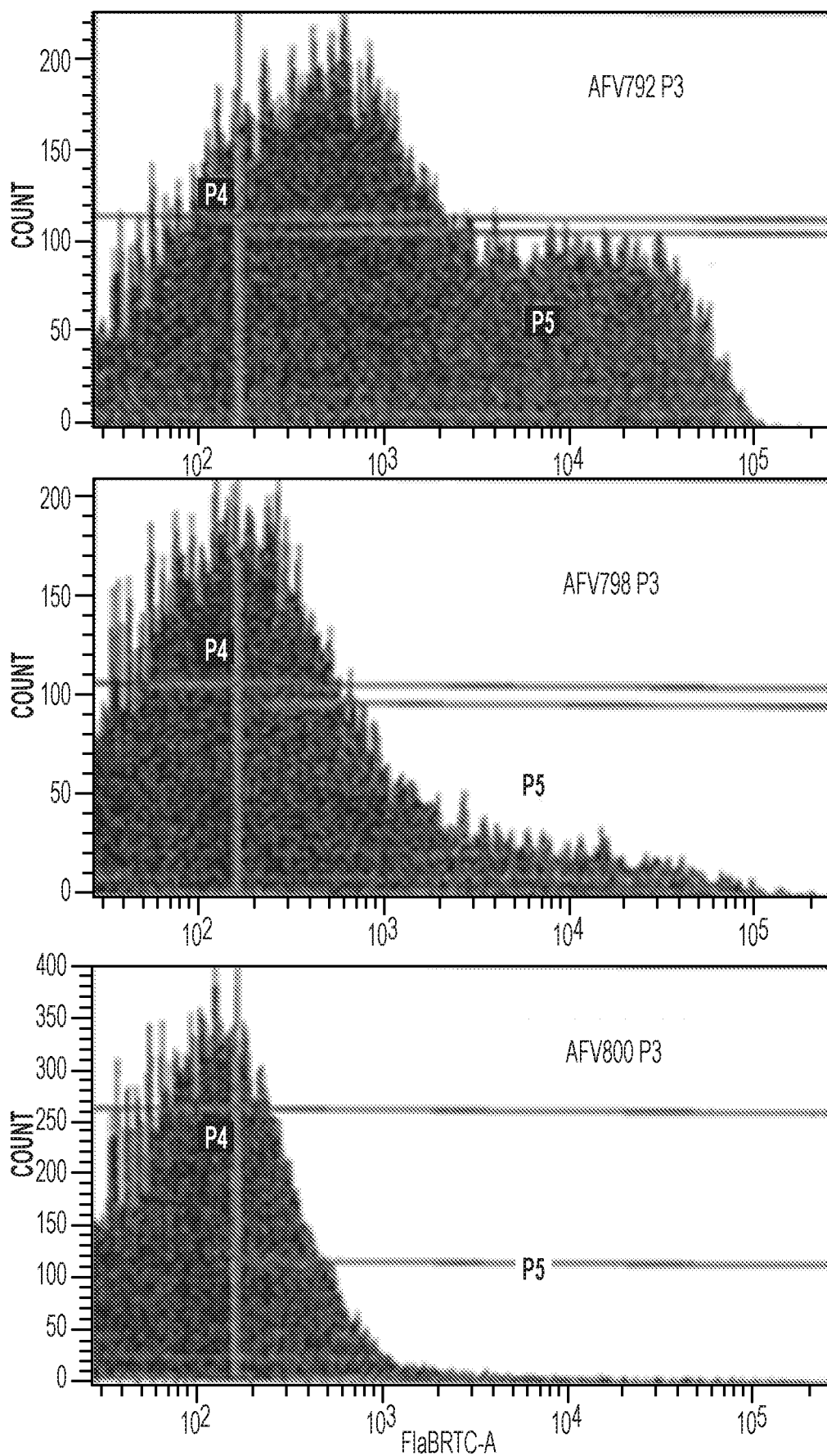


Figure 21B

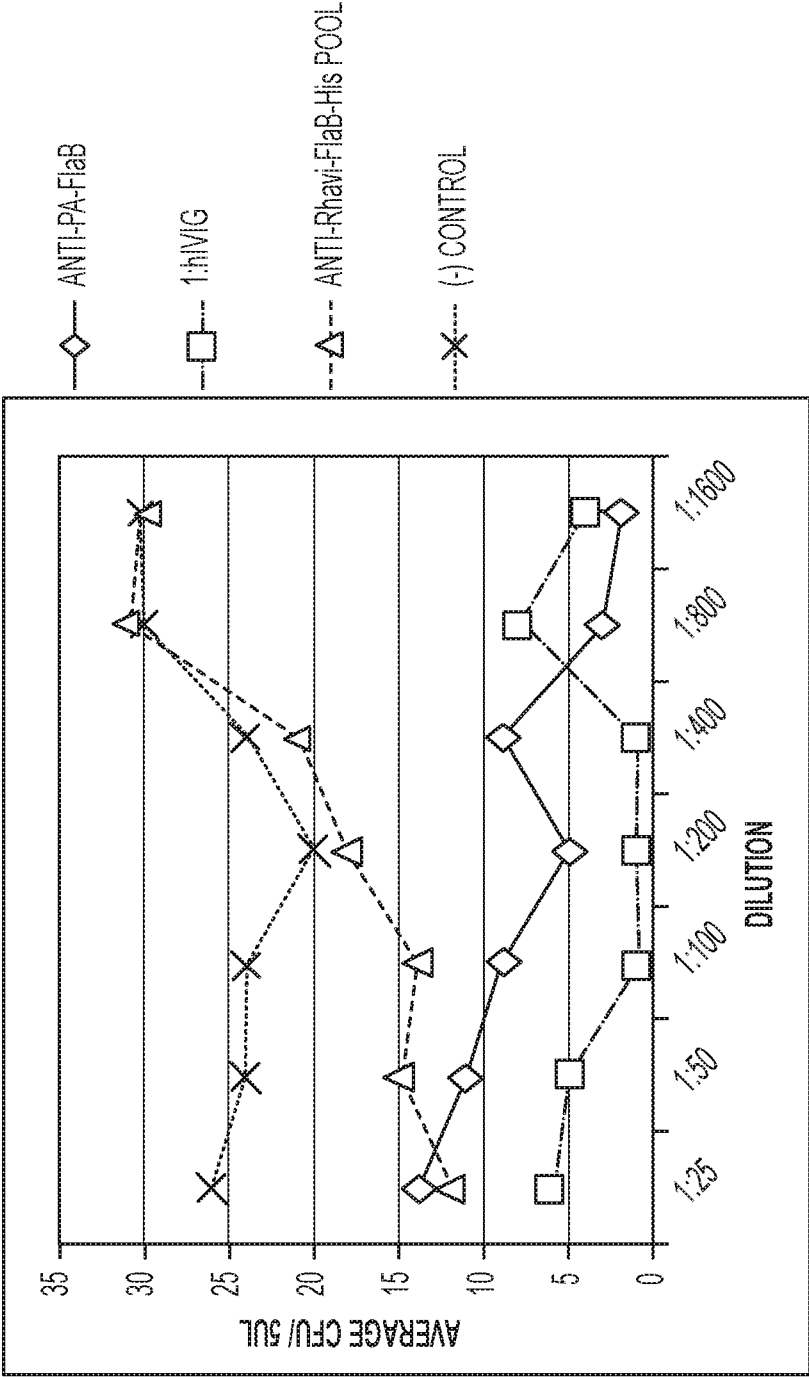


Figure 22

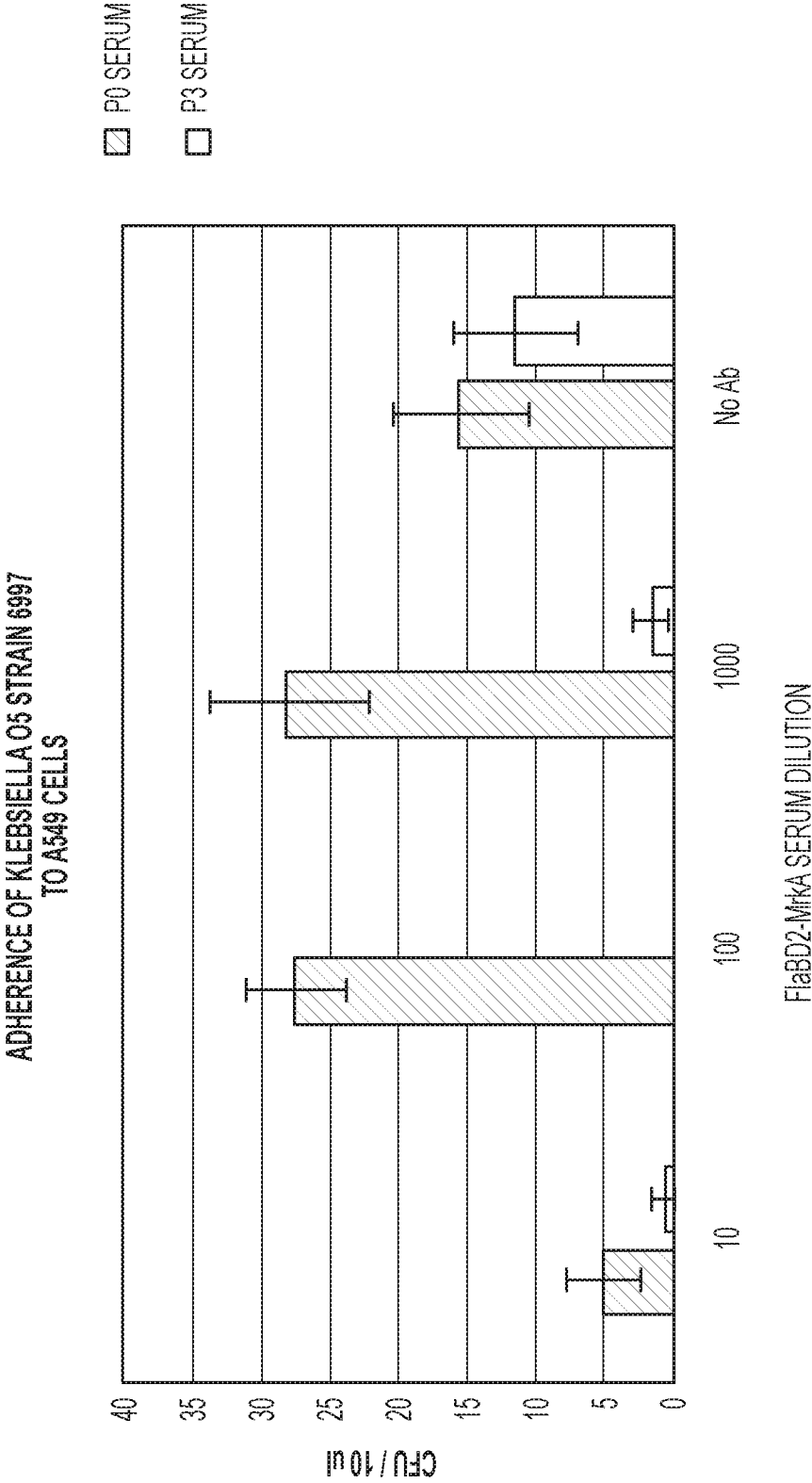


Figure 23

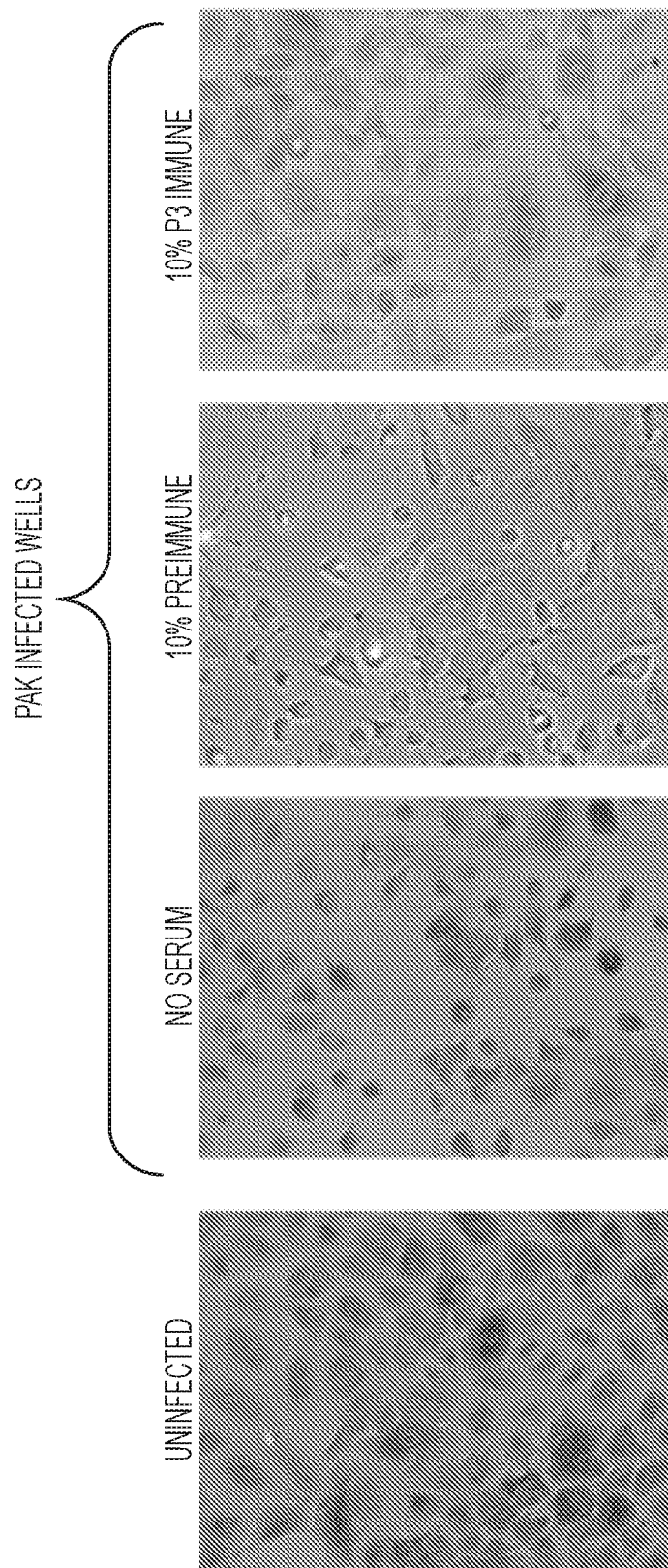


Figure 24A

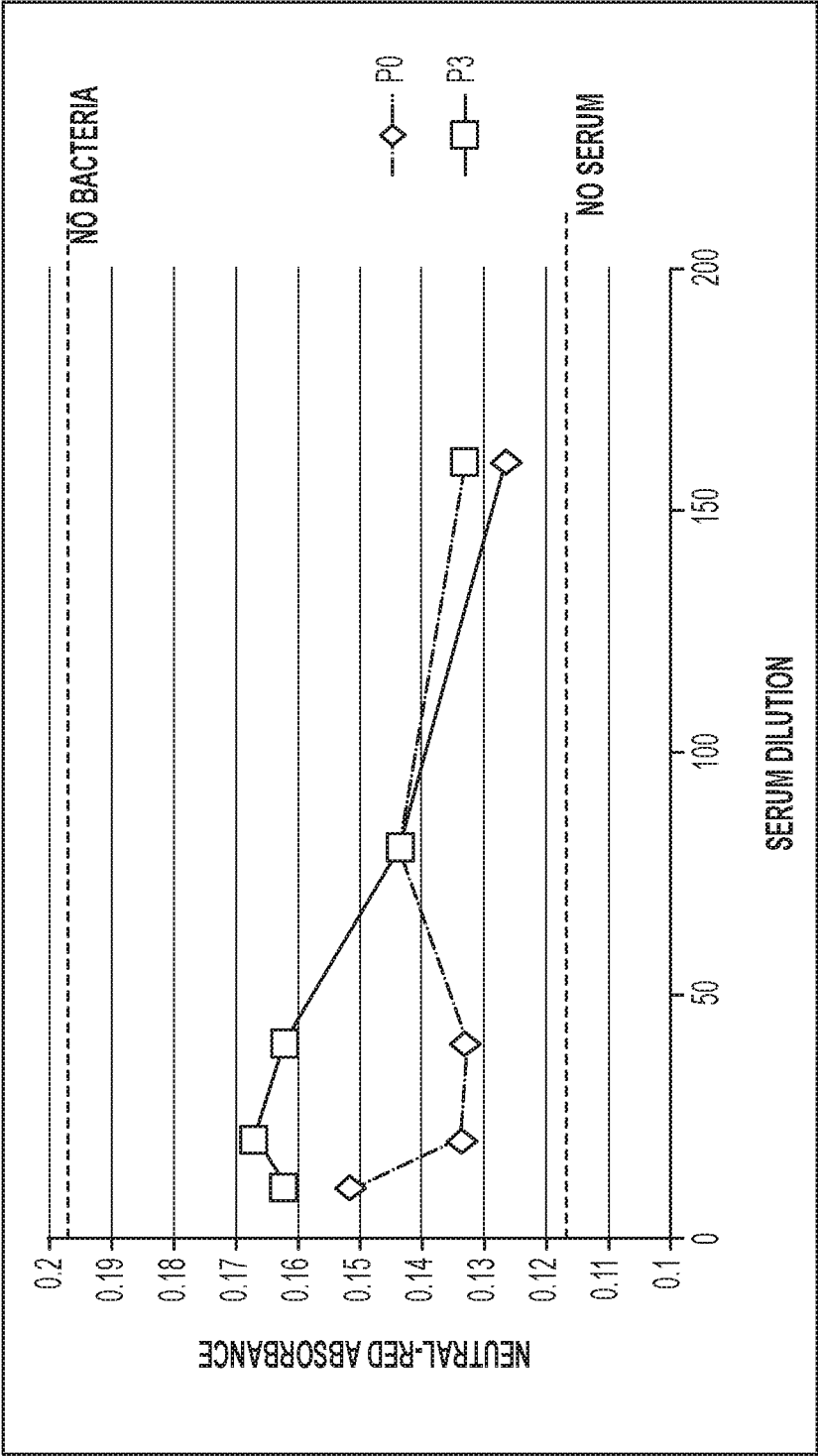


Figure 24B

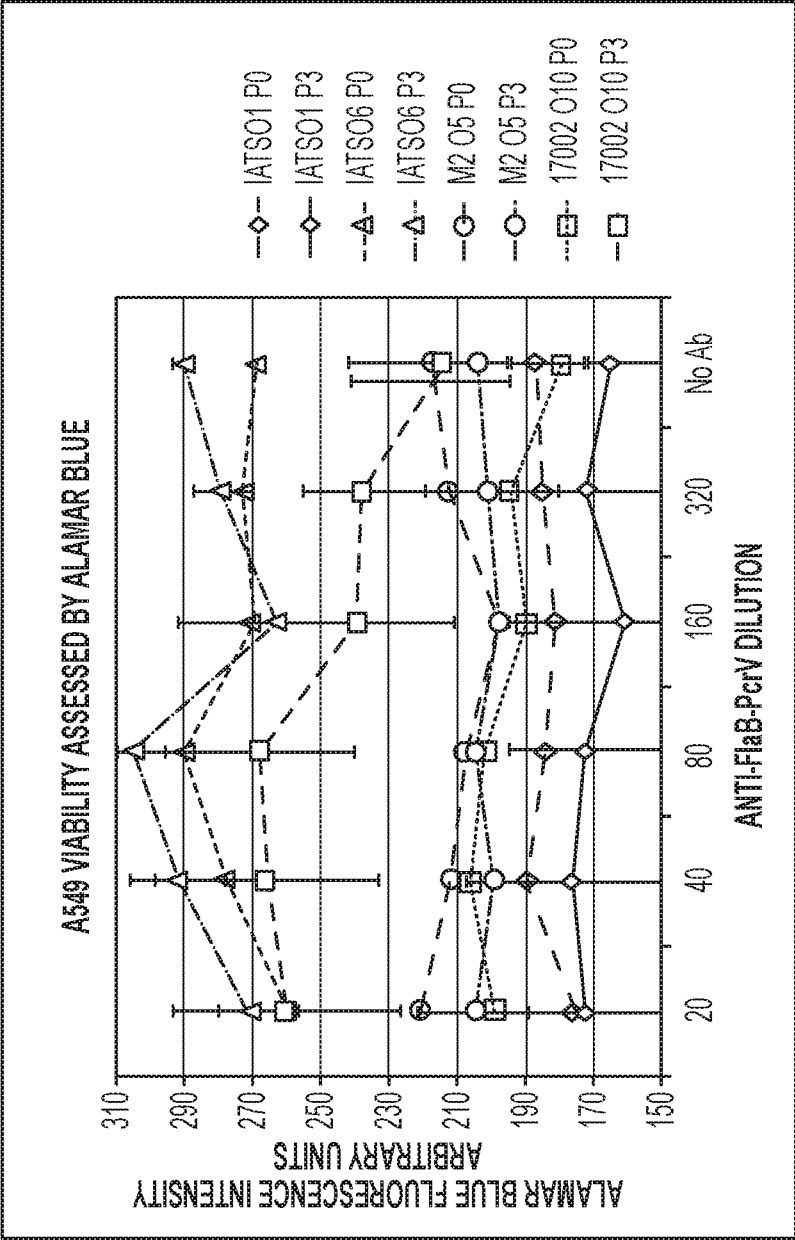


Figure 25

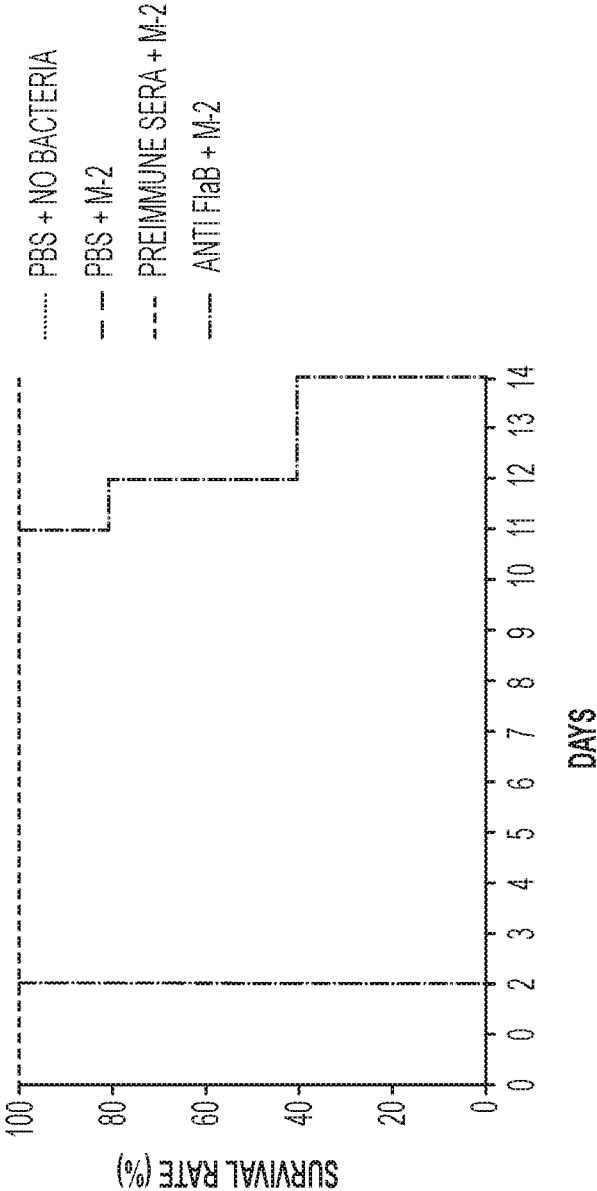


Figure 26

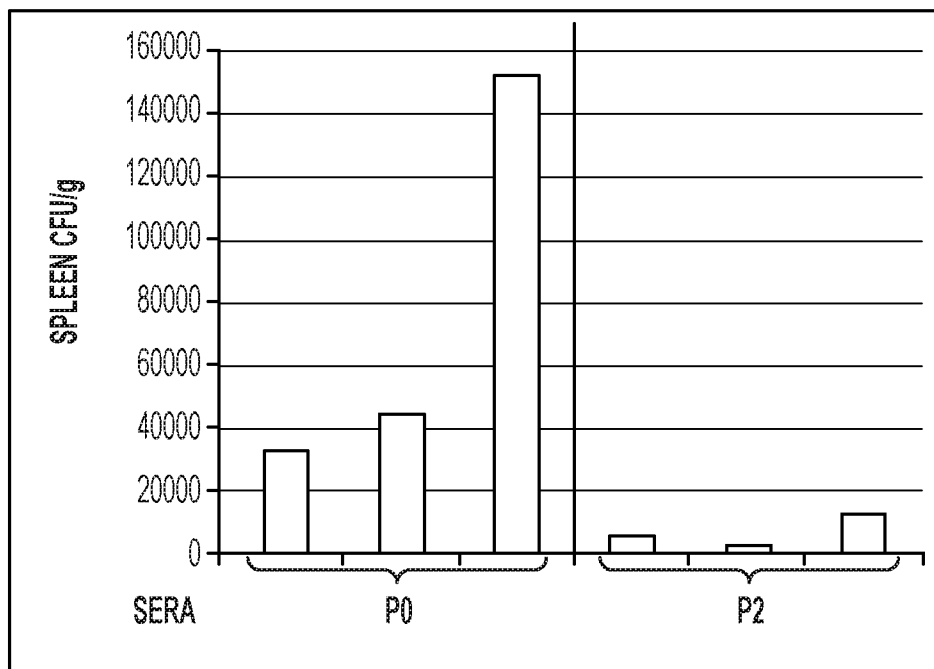


Figure 27

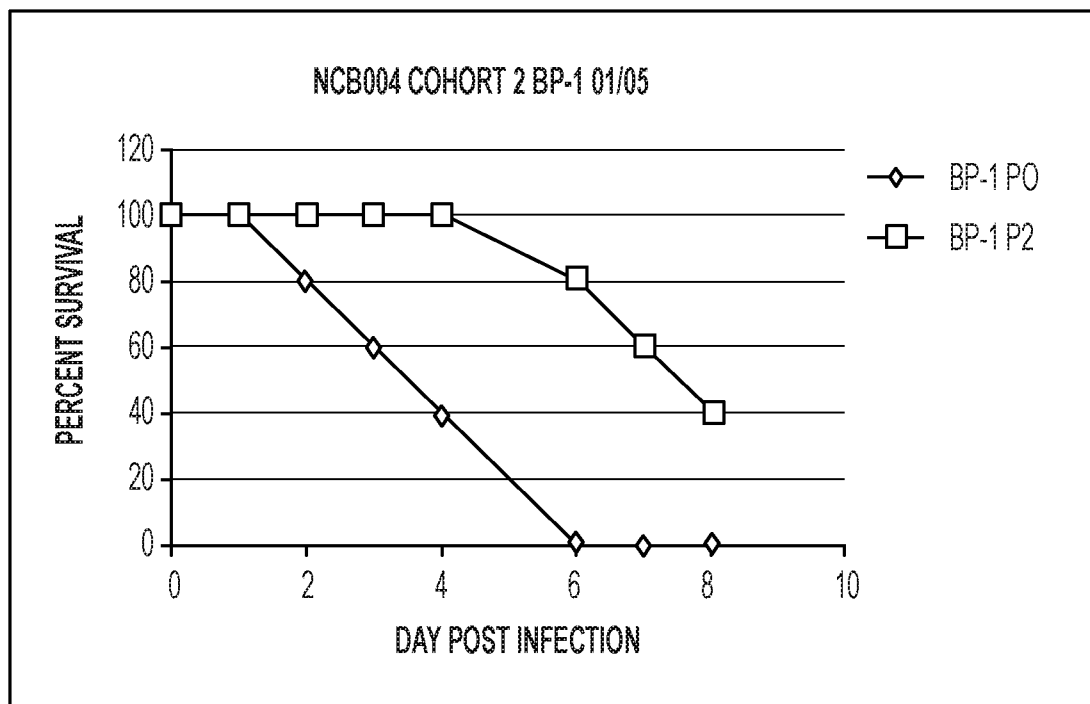


Figure 28

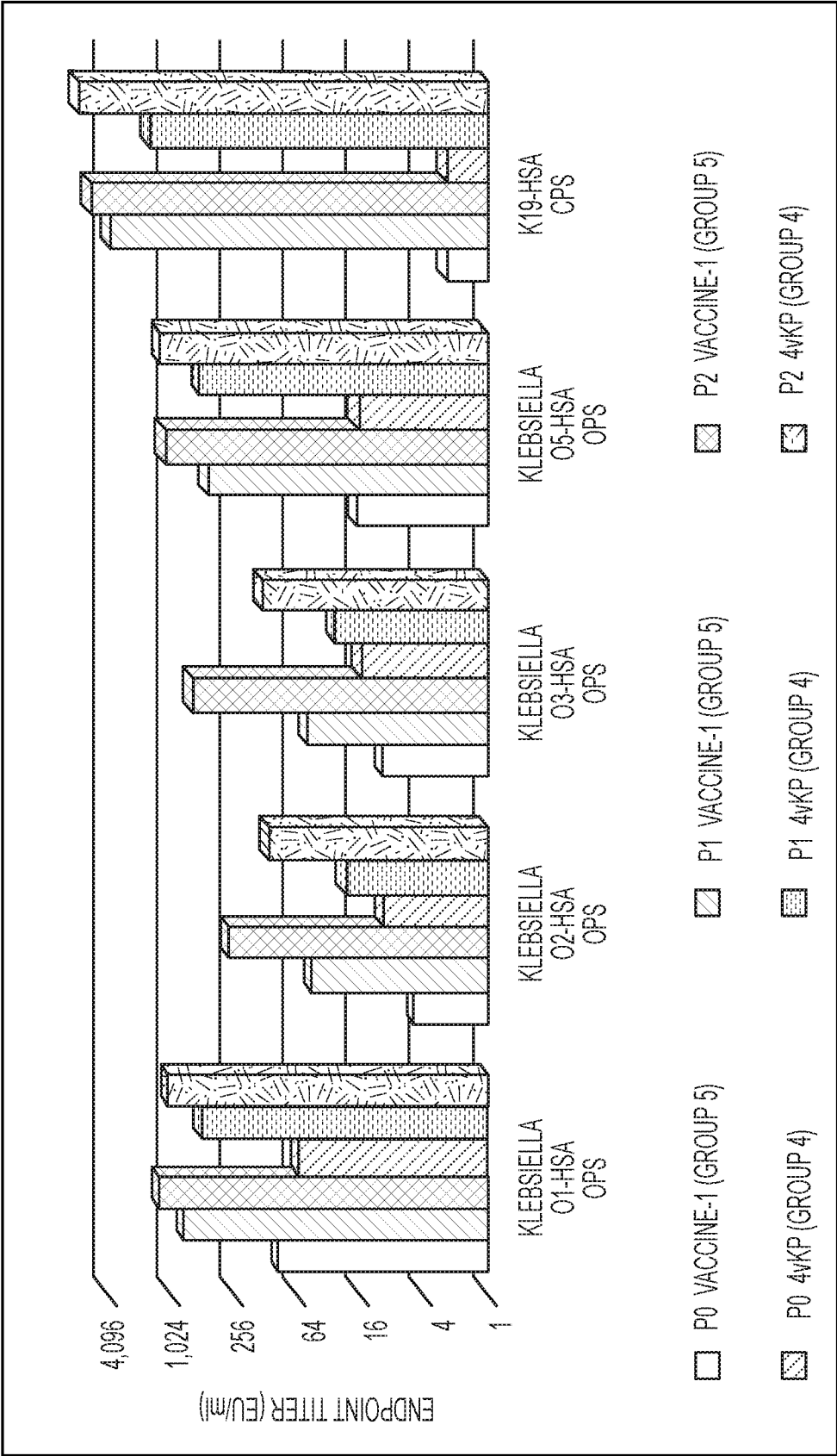


Figure 29

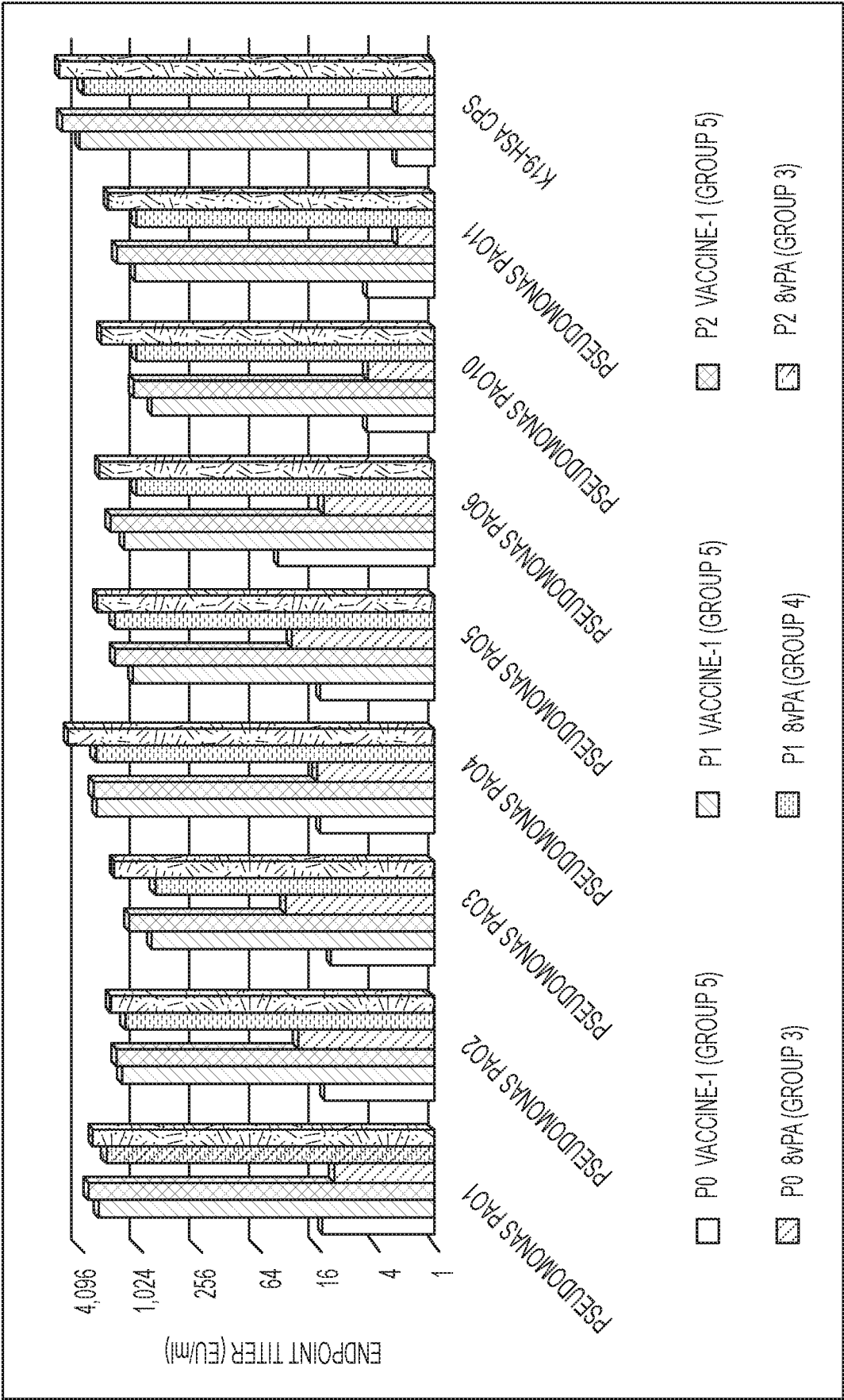


Figure 30

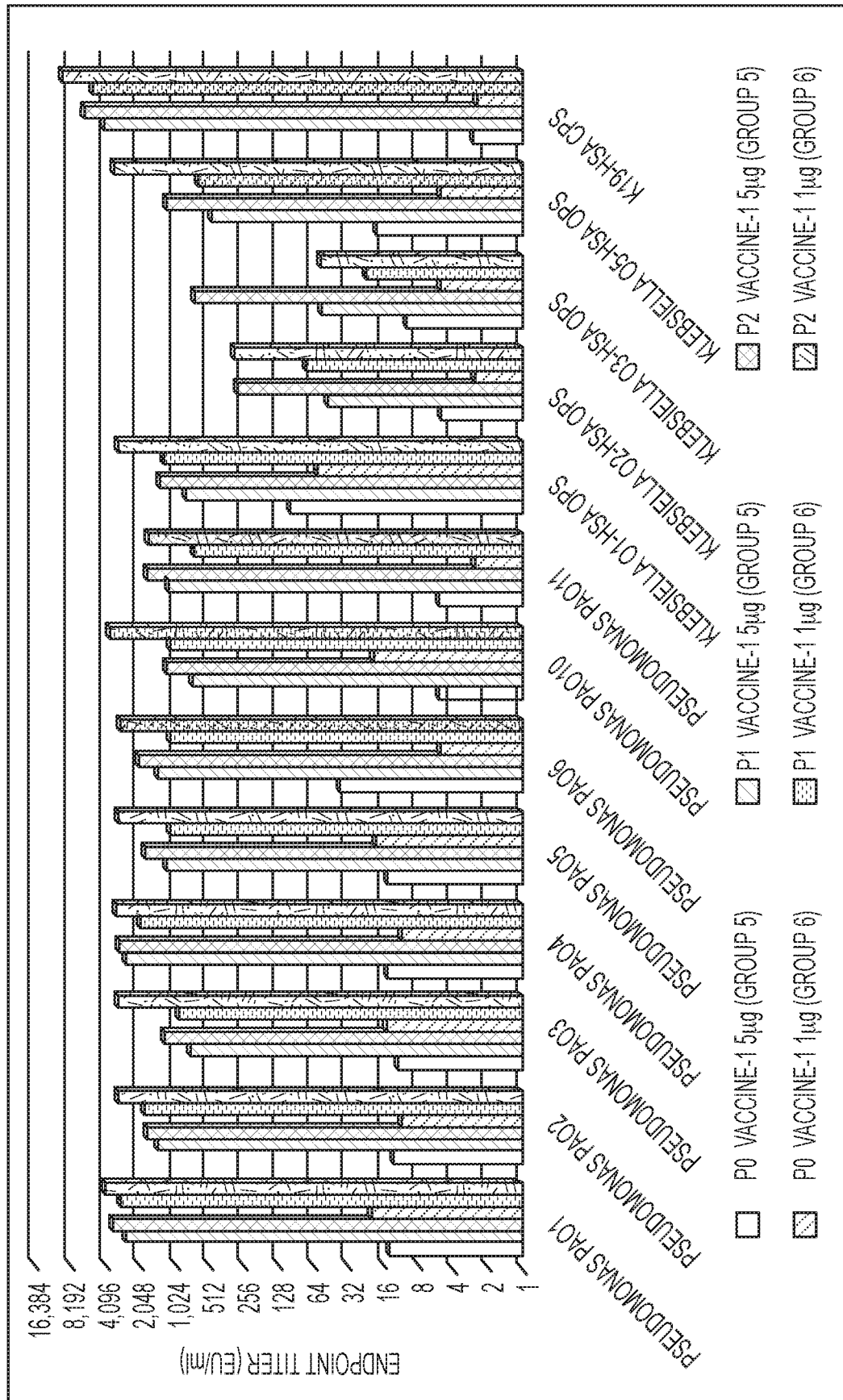


Figure 31

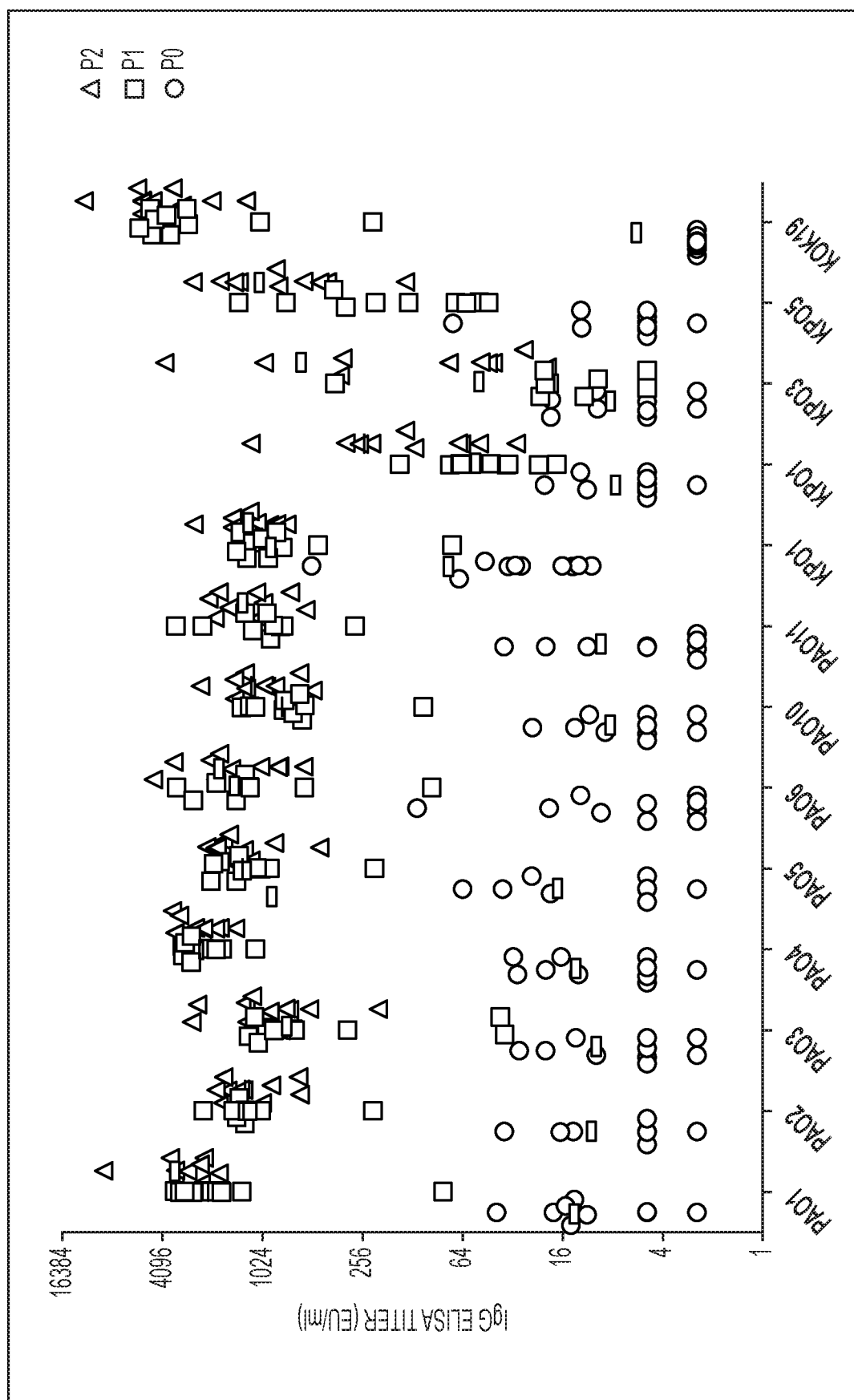


Figure 32

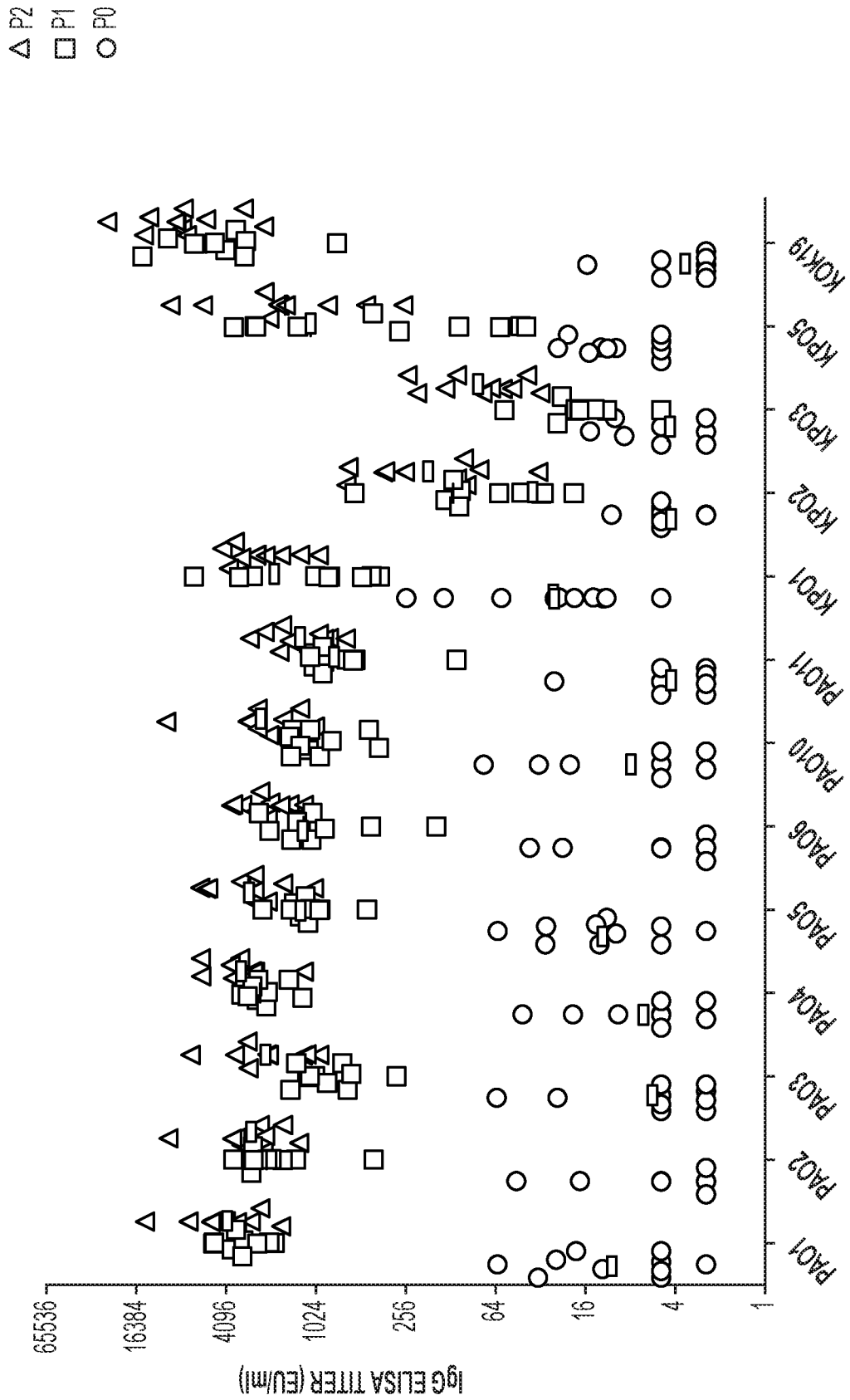


Figure 33

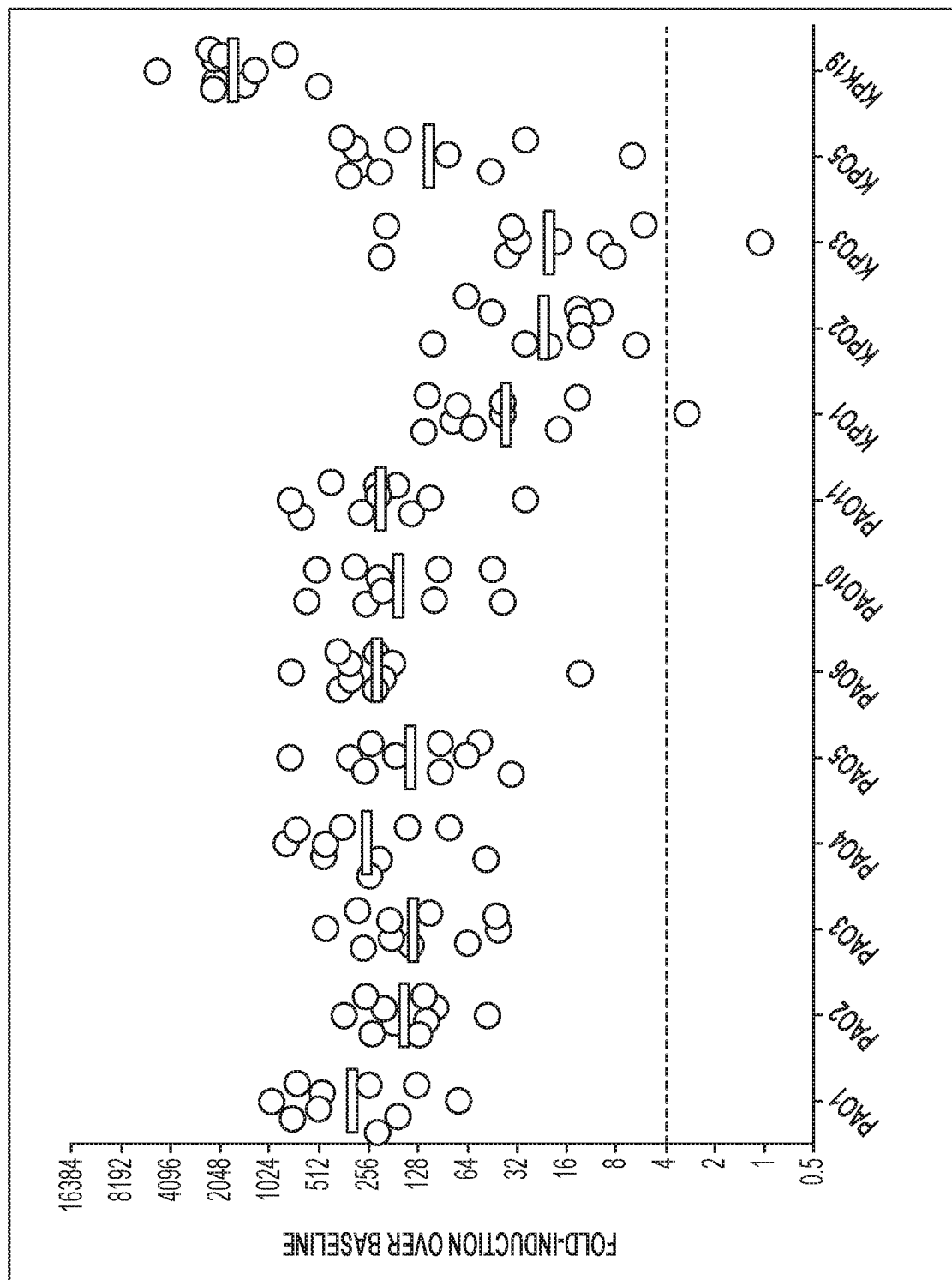


Figure 34

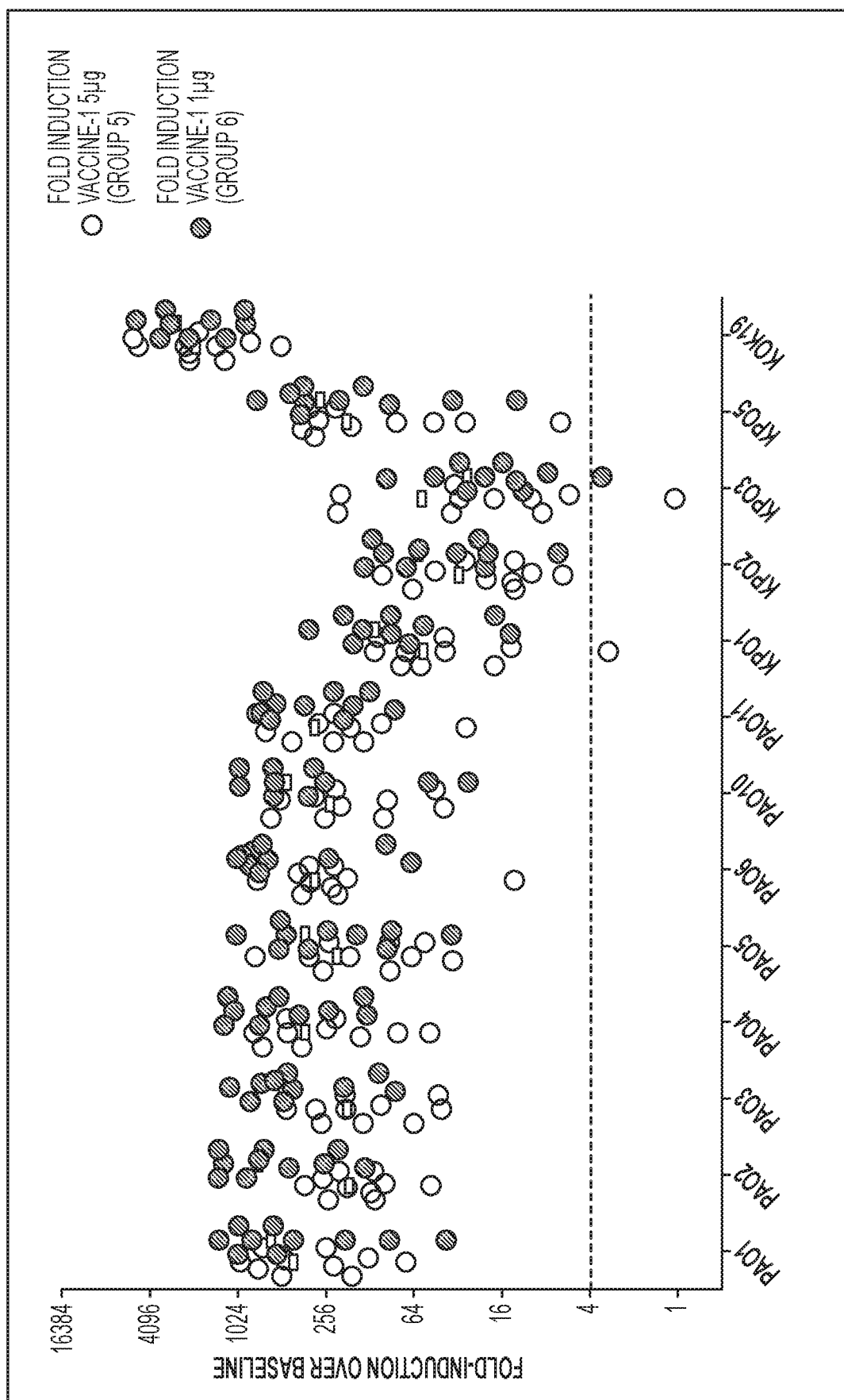


Figure 35

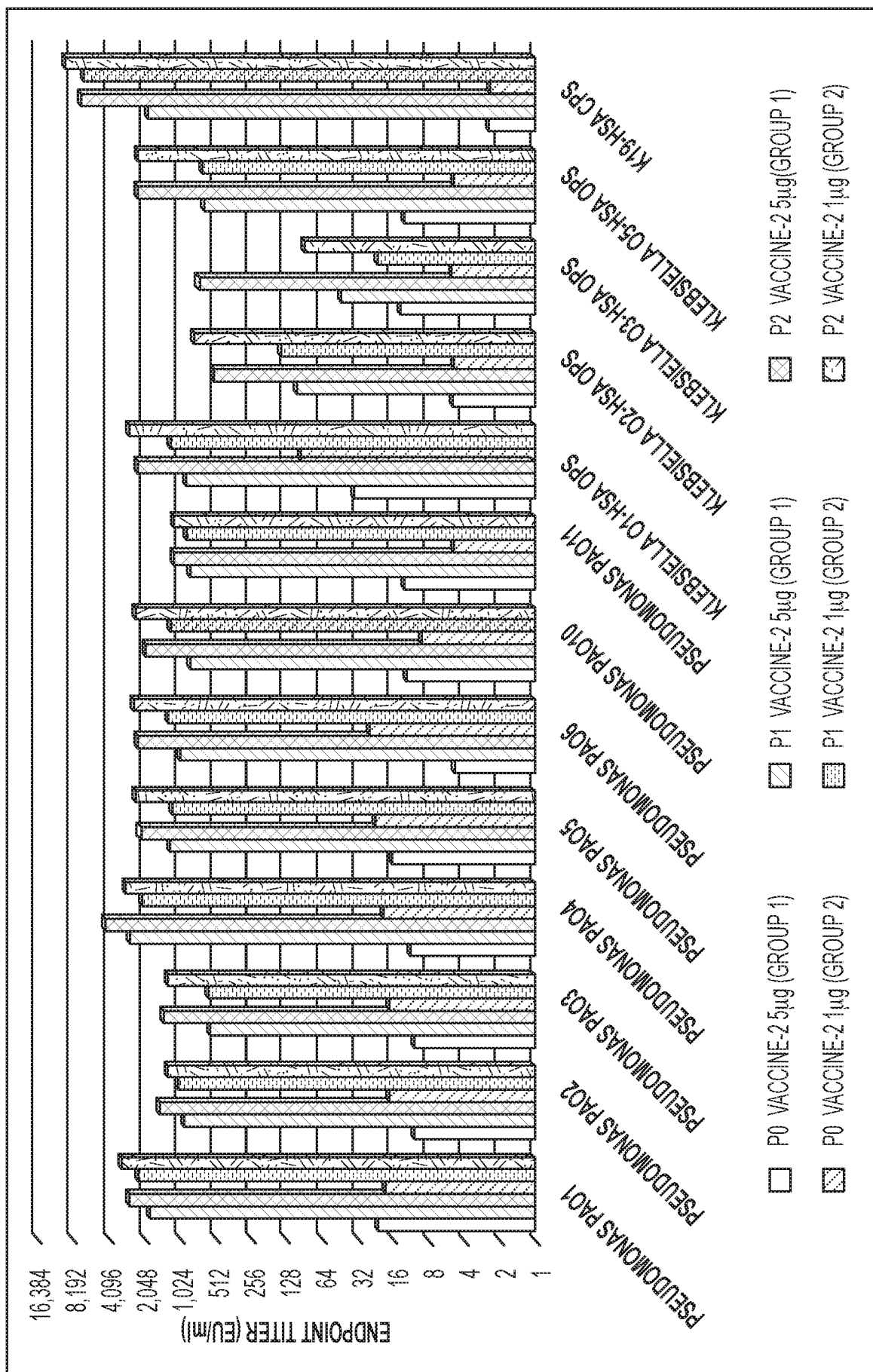


Figure 36

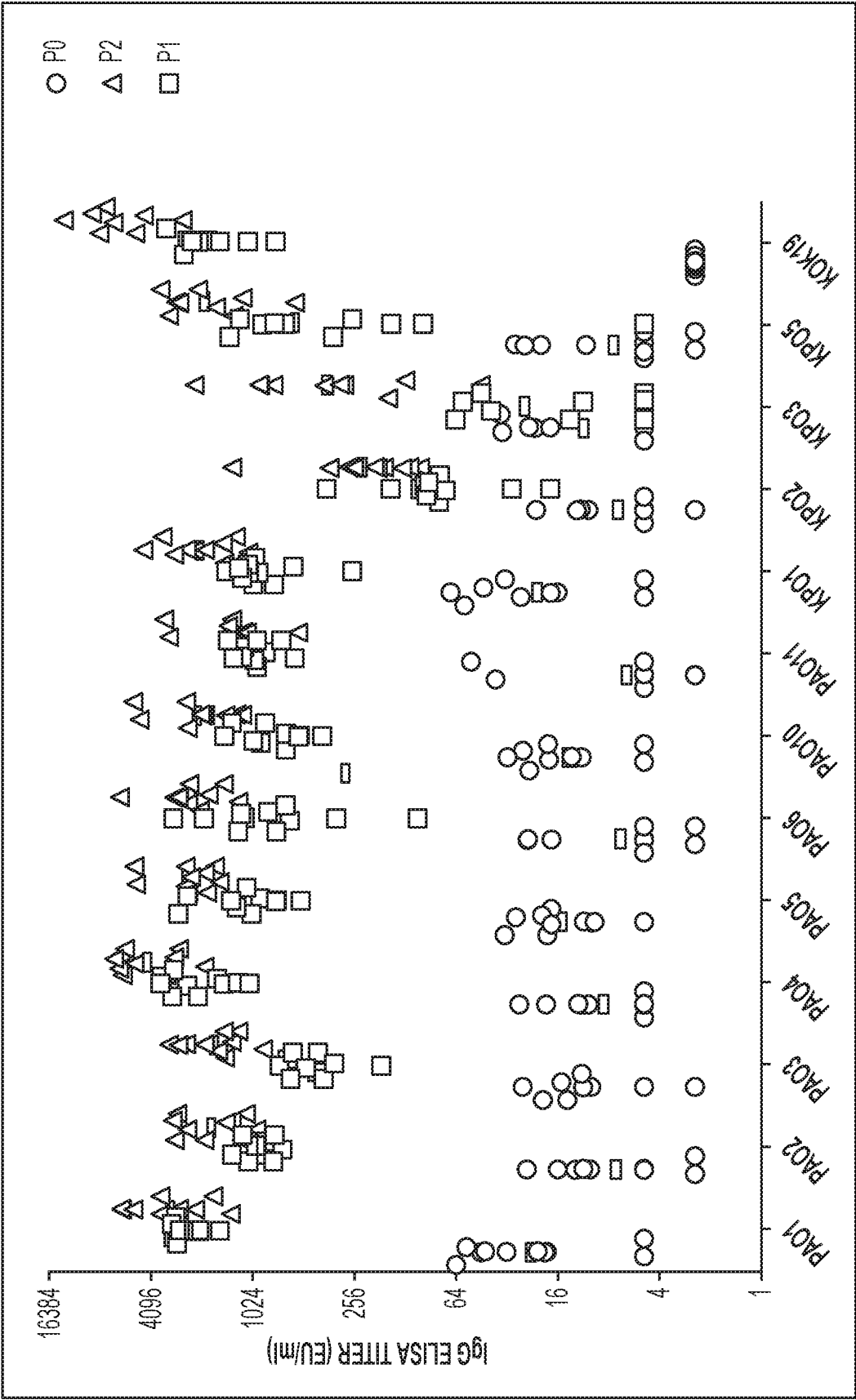


Figure 37

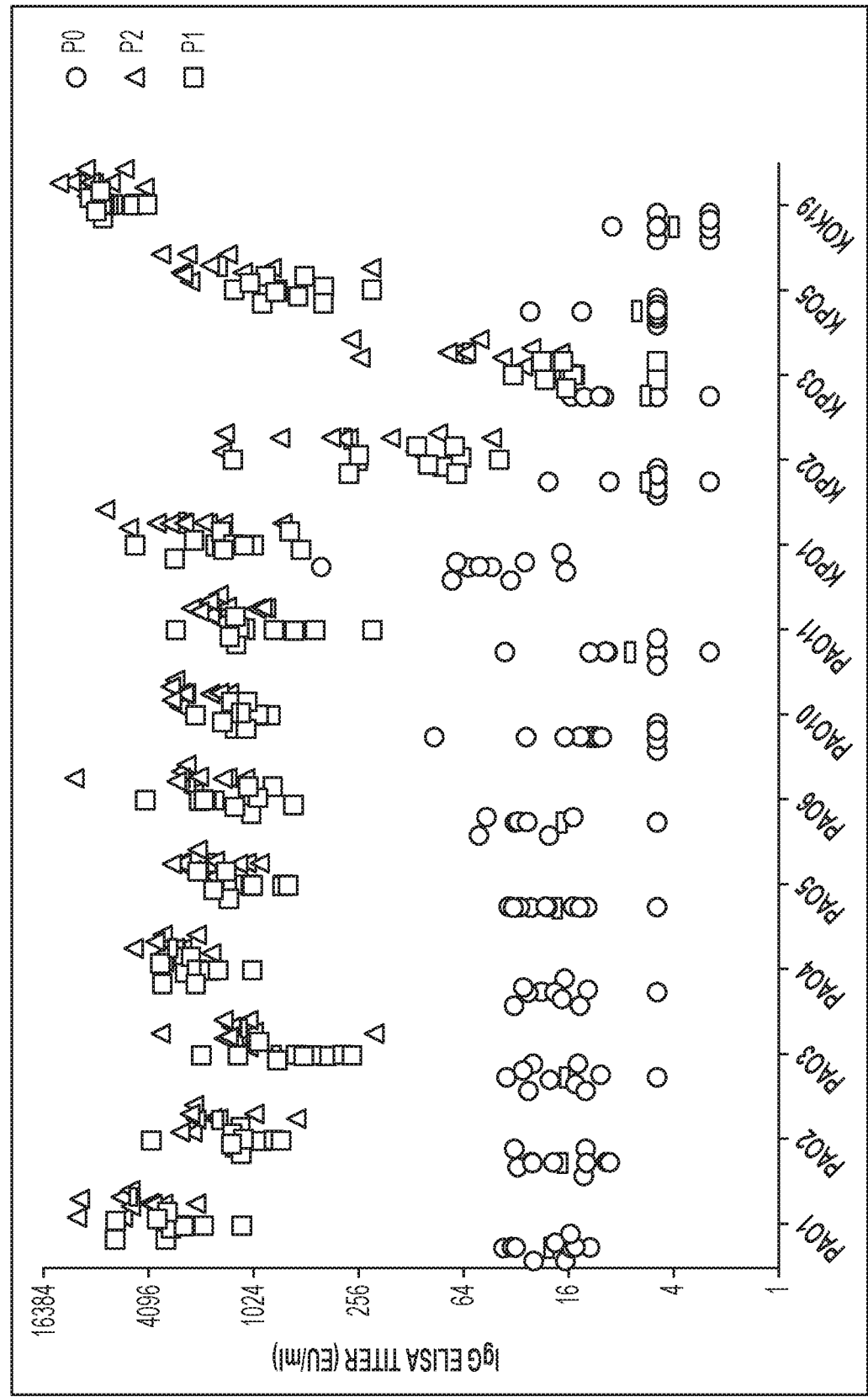


Figure 38

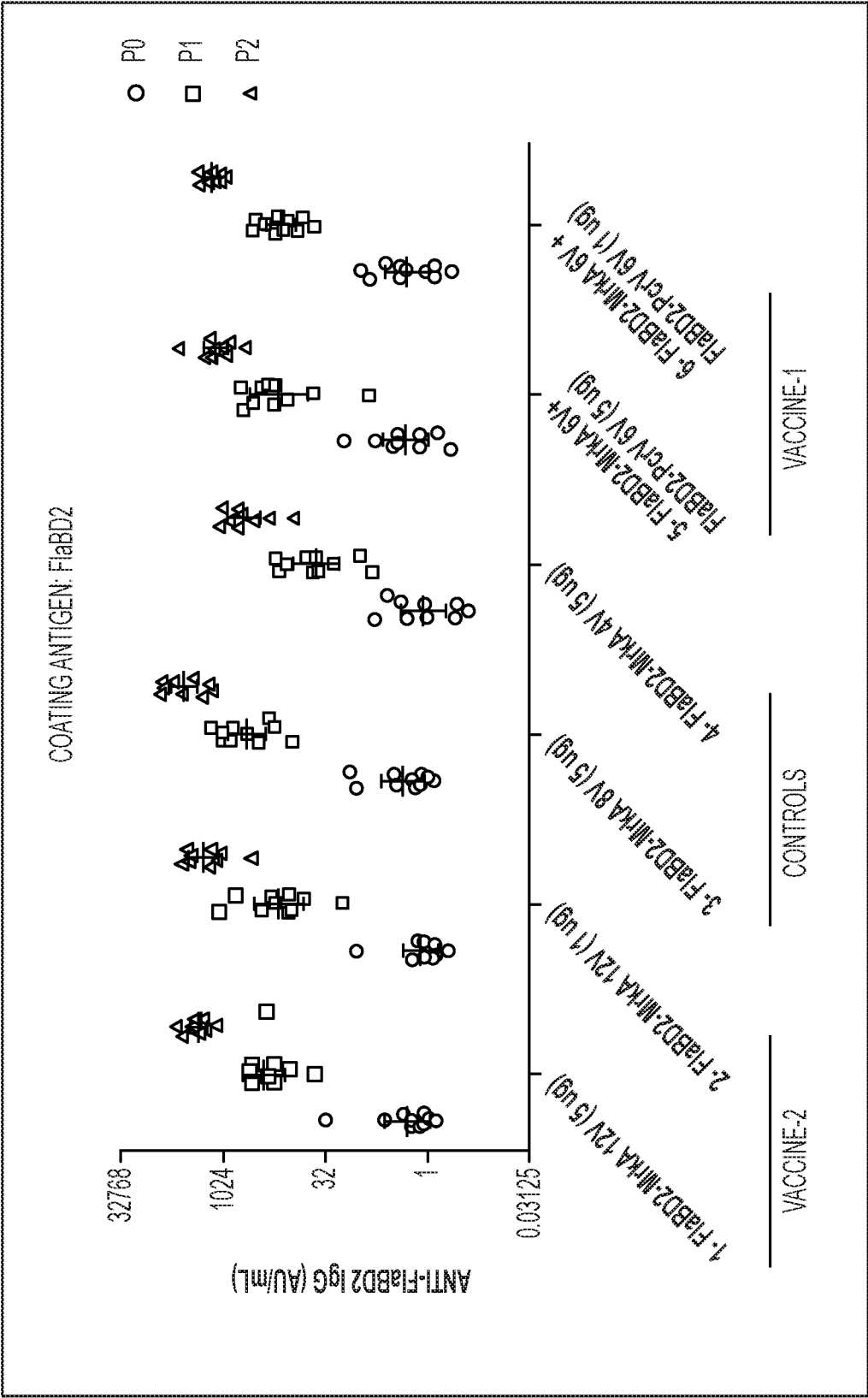


Figure 39

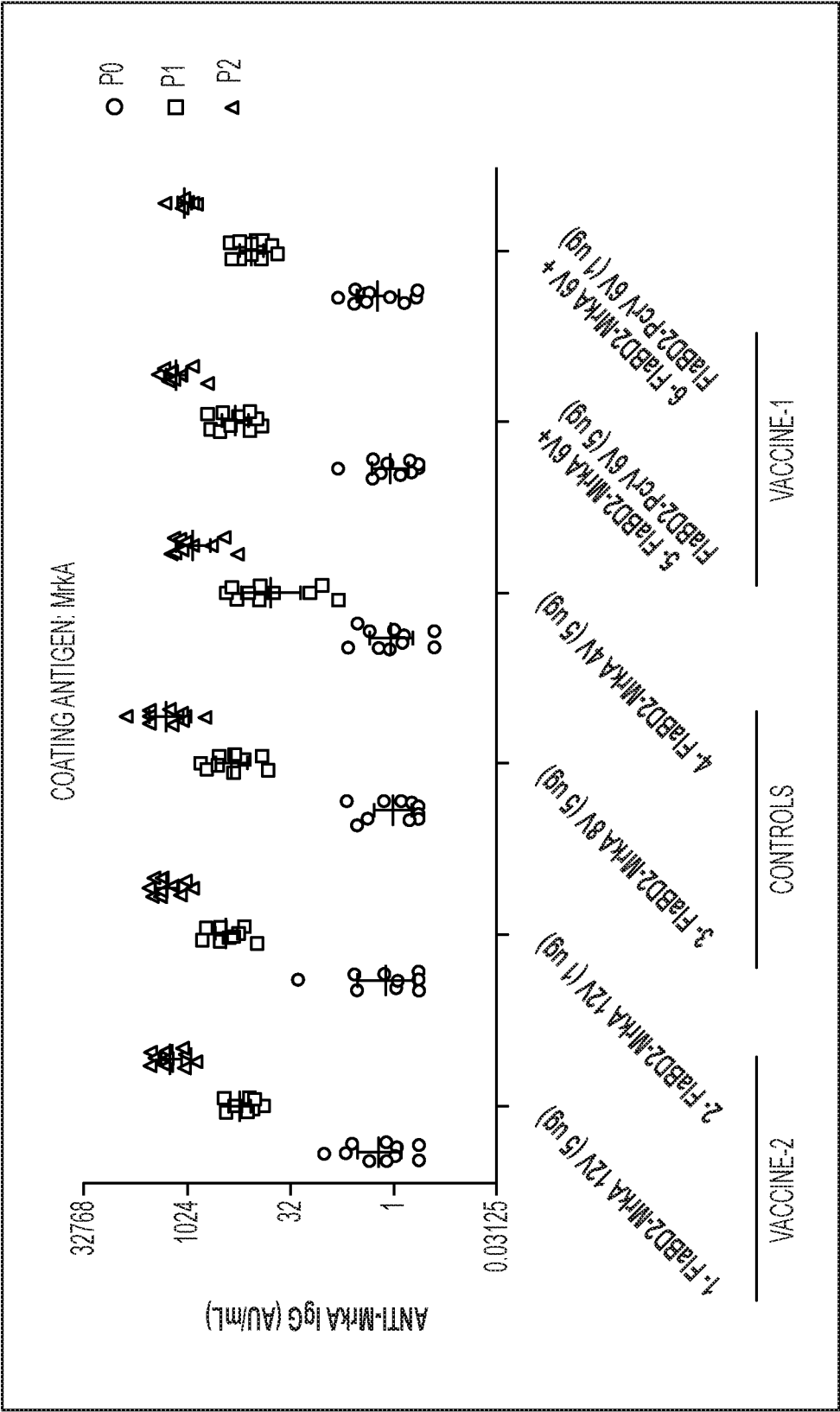


Figure 40

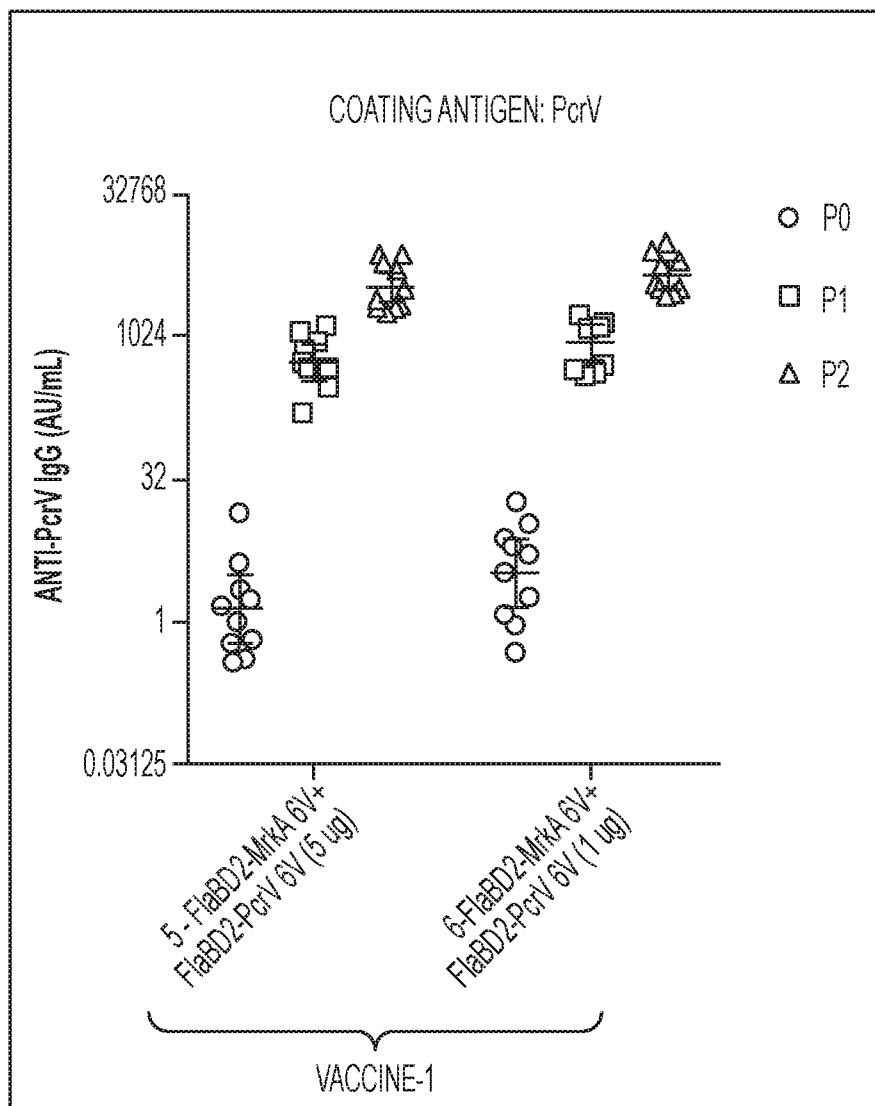


Figure 41

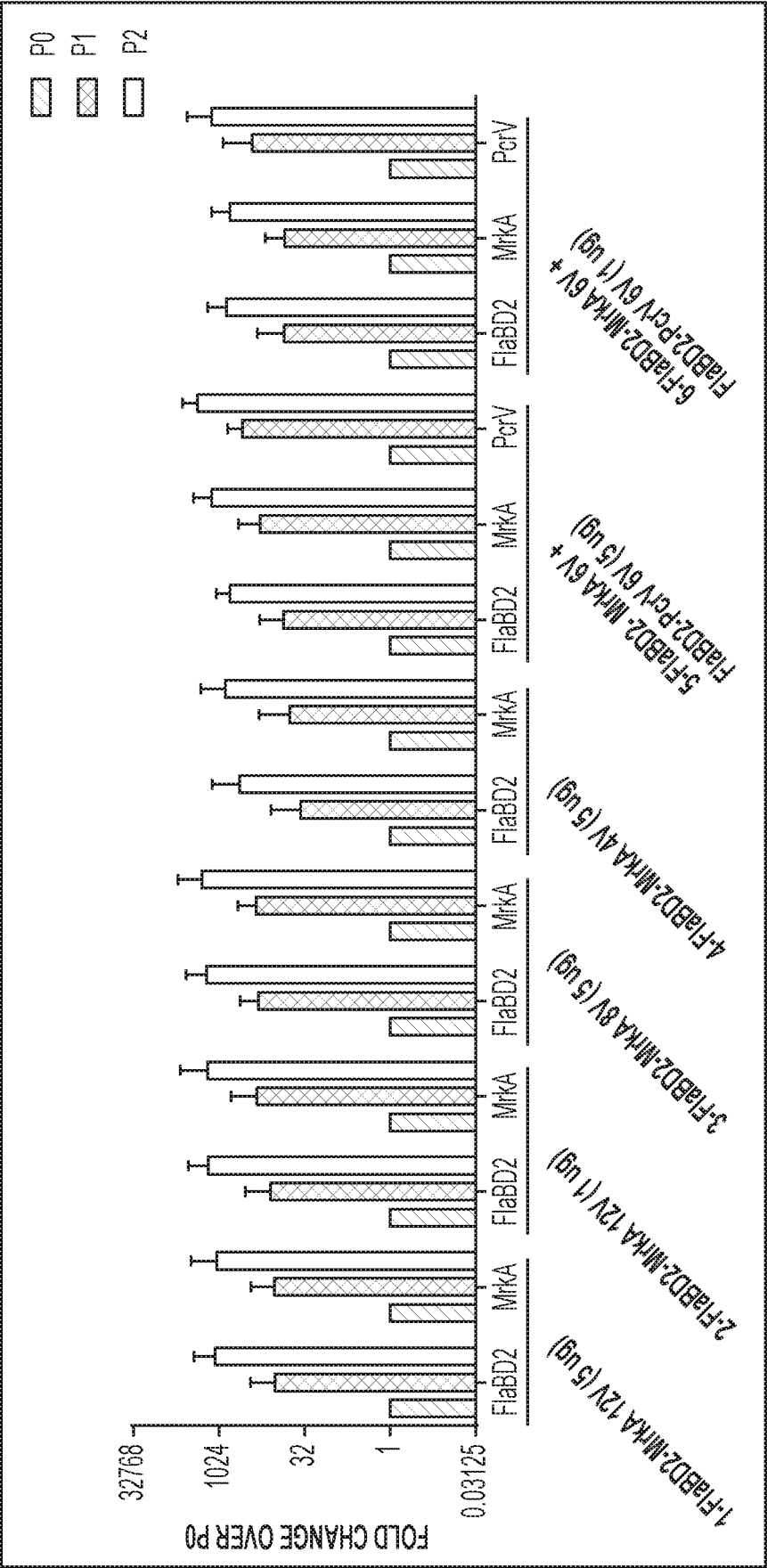


Figure 42

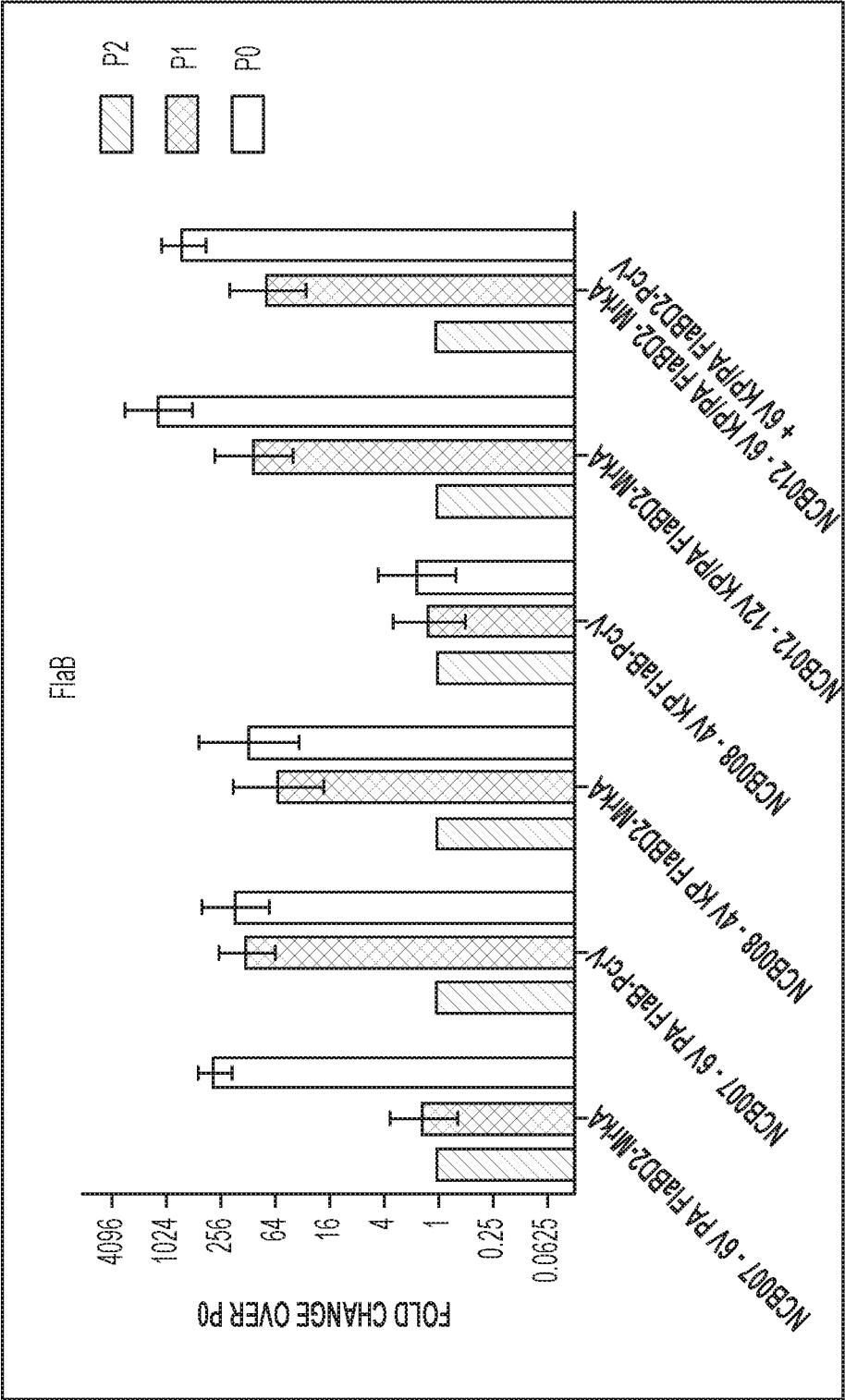


Figure 43

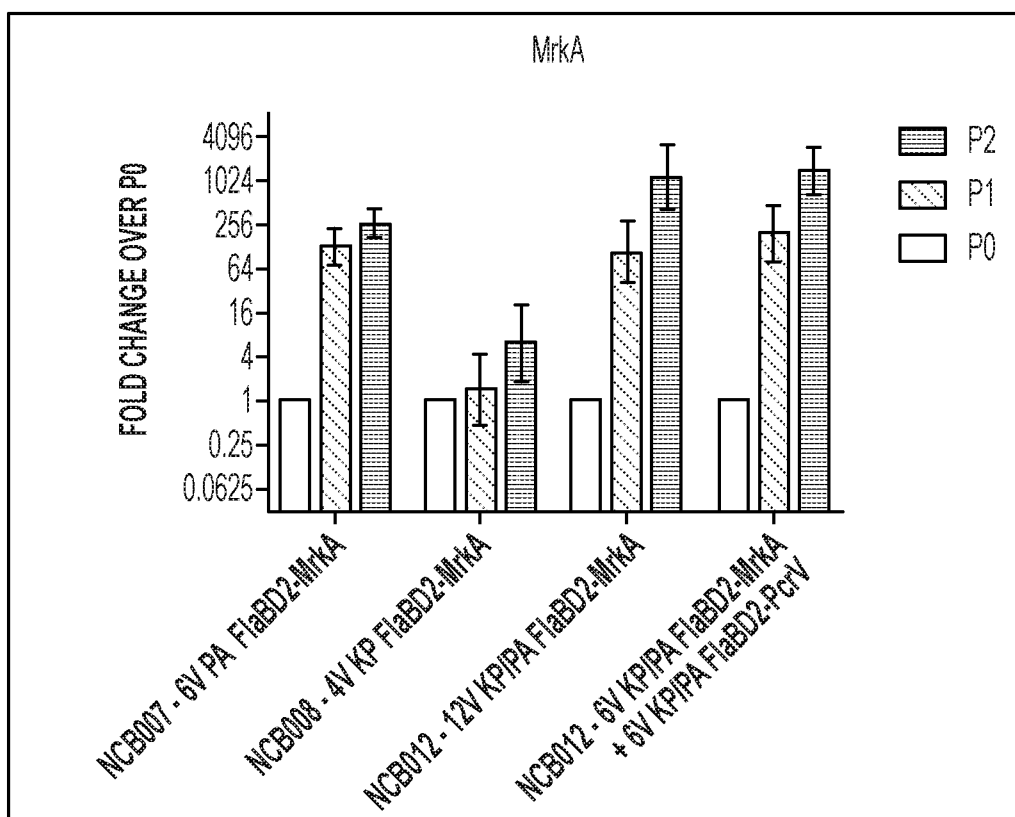


Figure 44

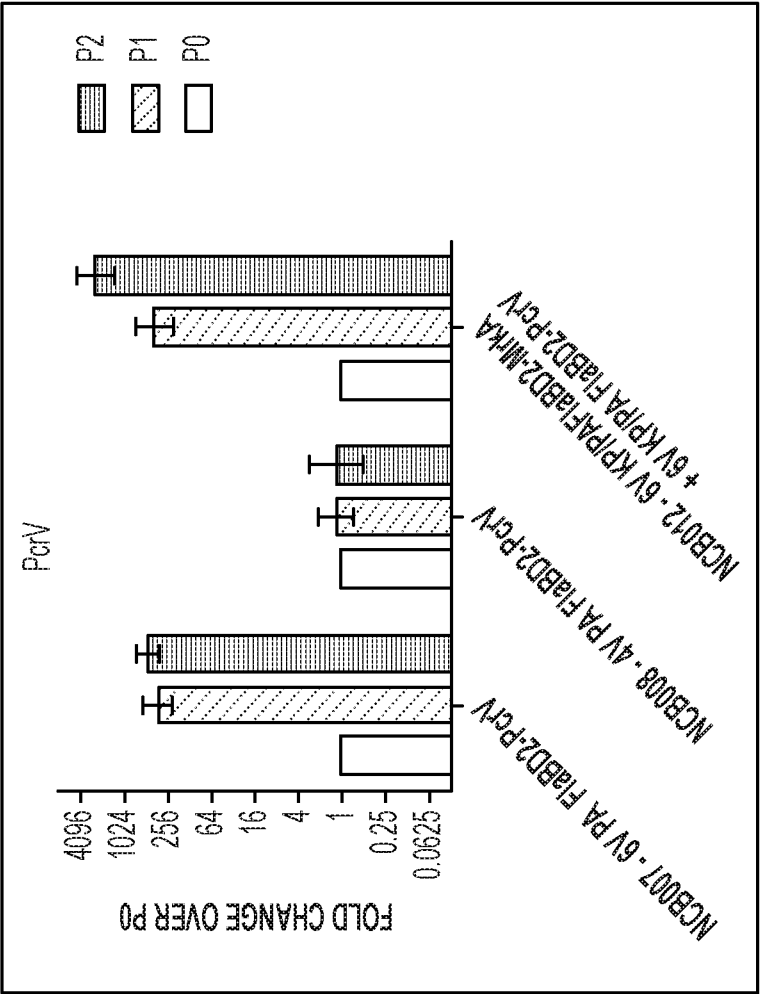


Figure 45

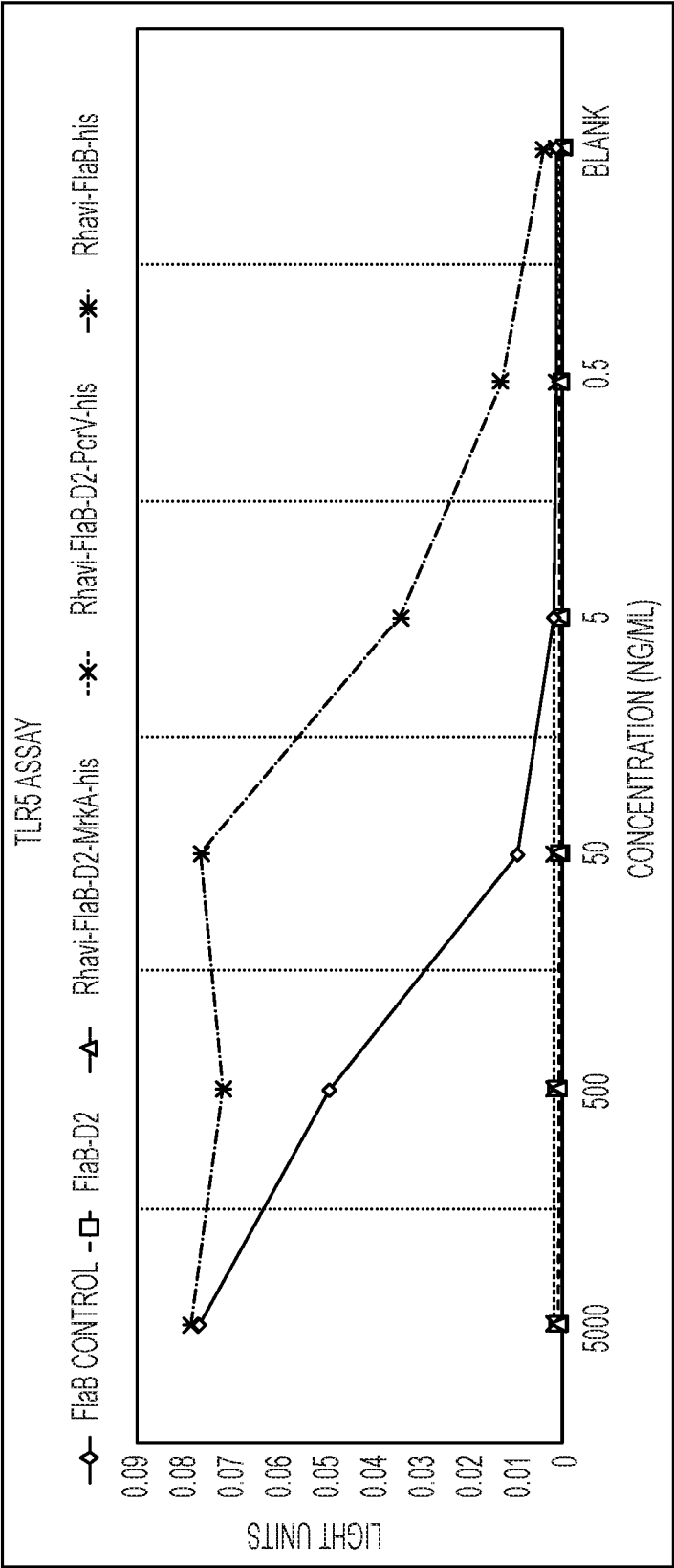


Figure 46

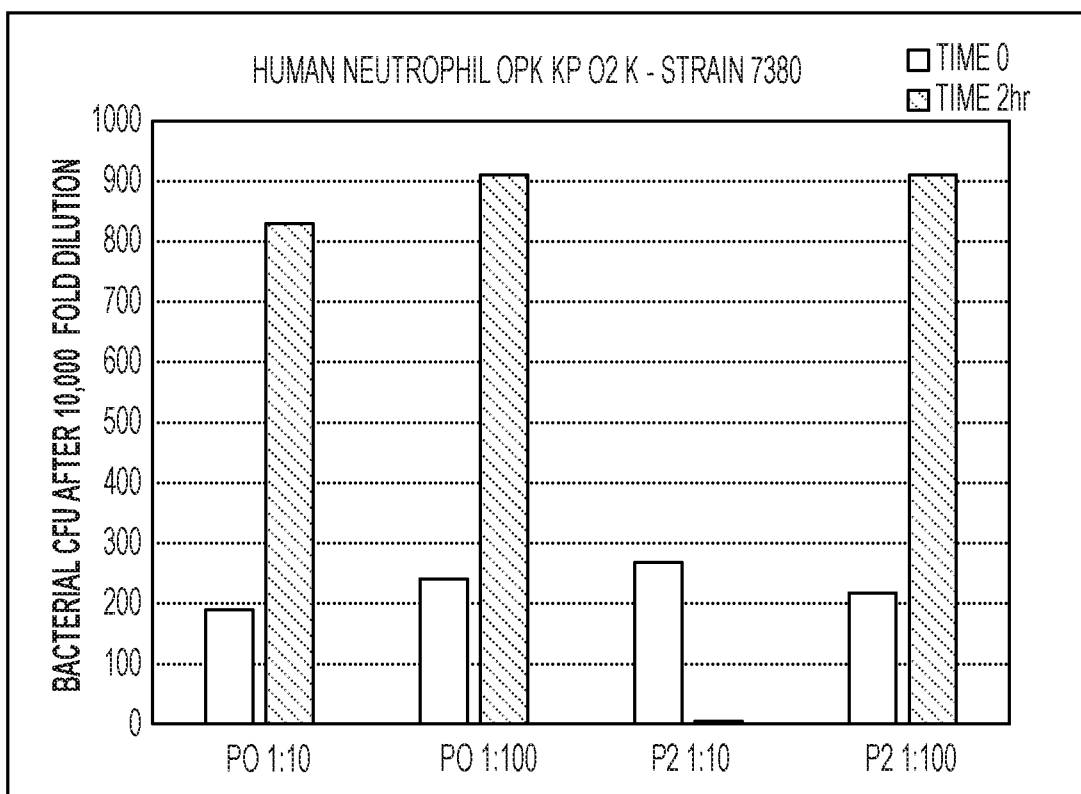


Figure 47

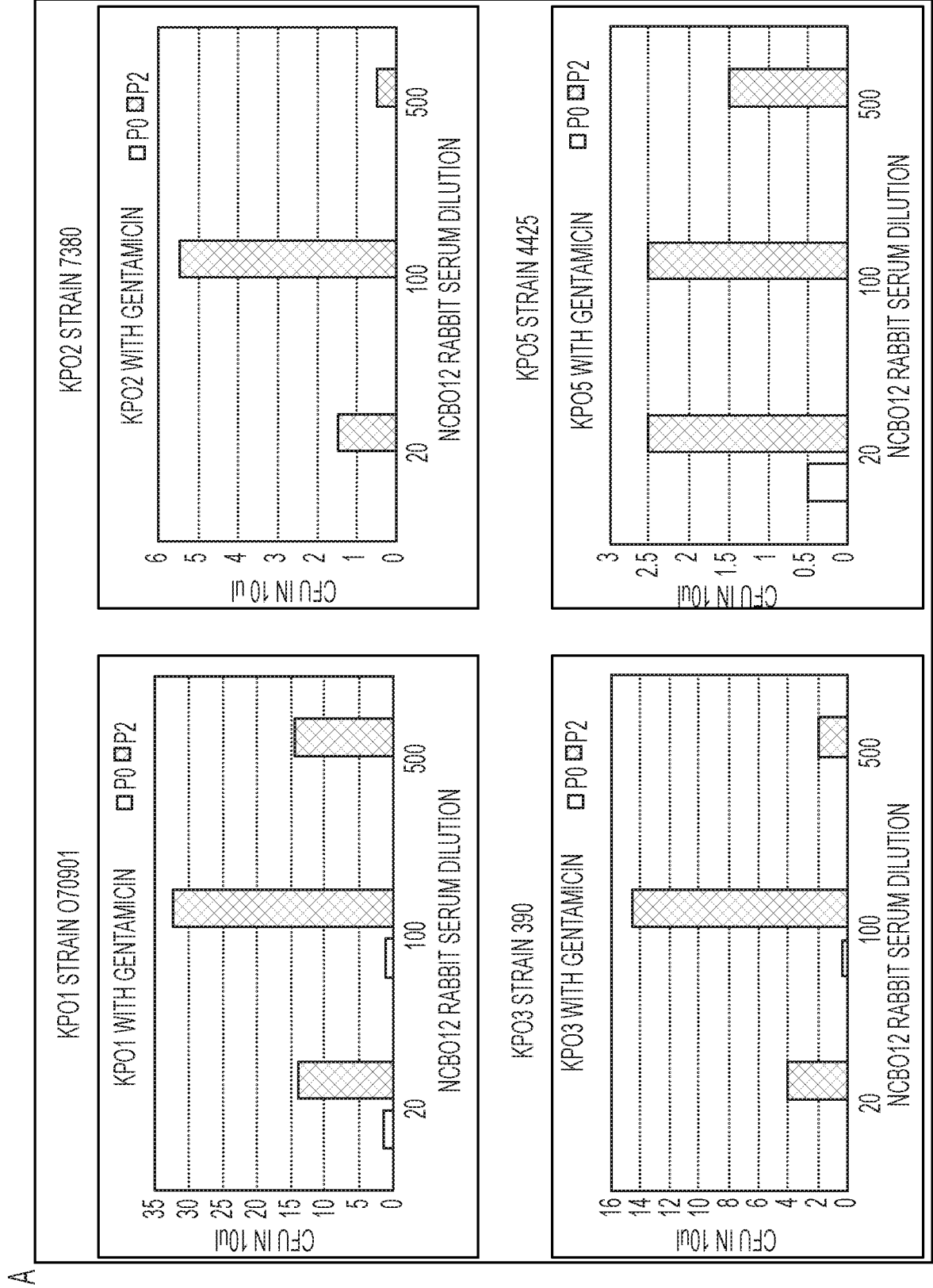


Figure 48

B

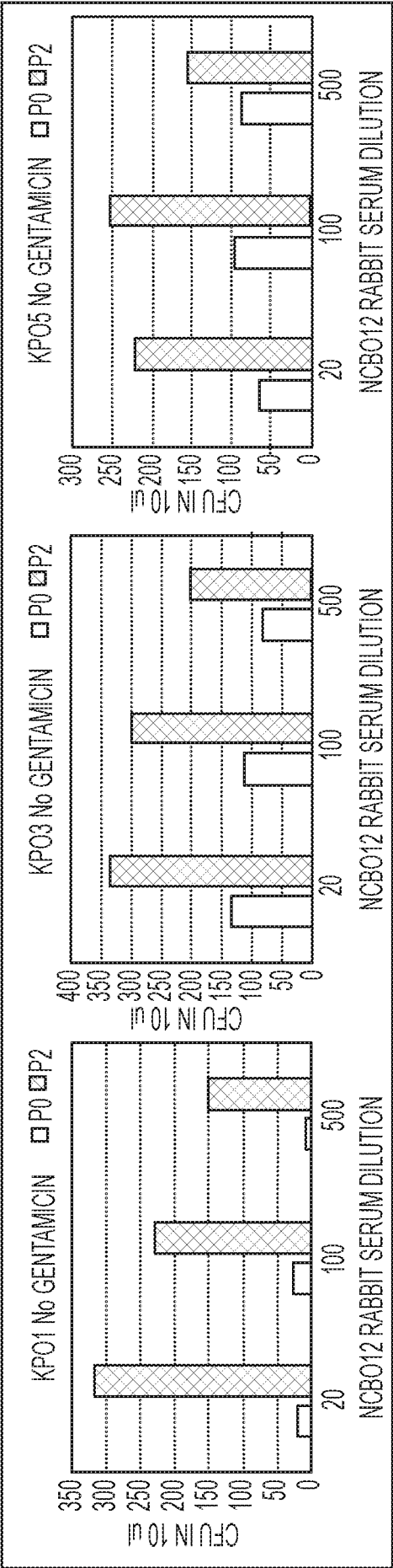


Figure 48
Continued

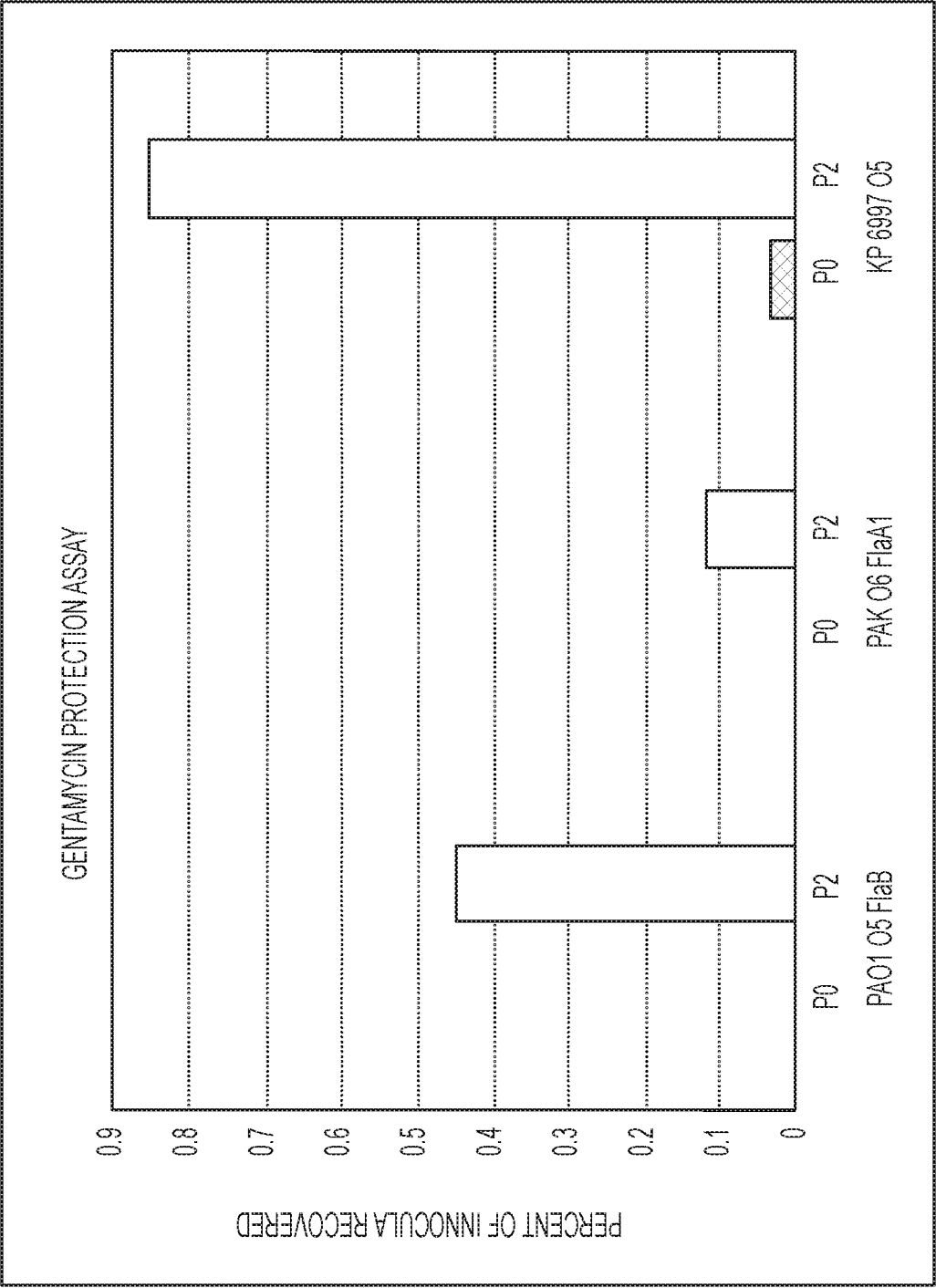


Figure 49

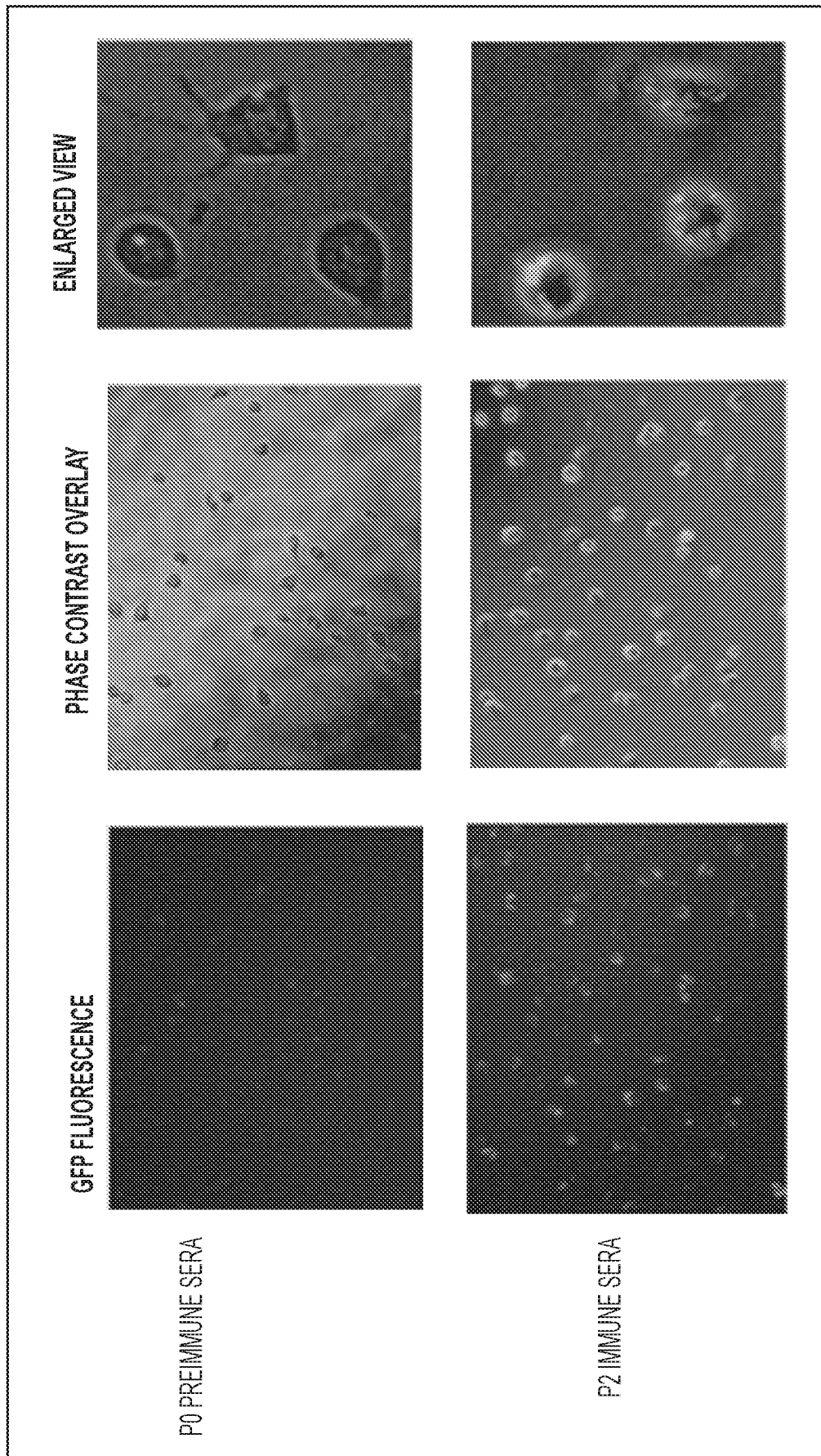


Figure 50

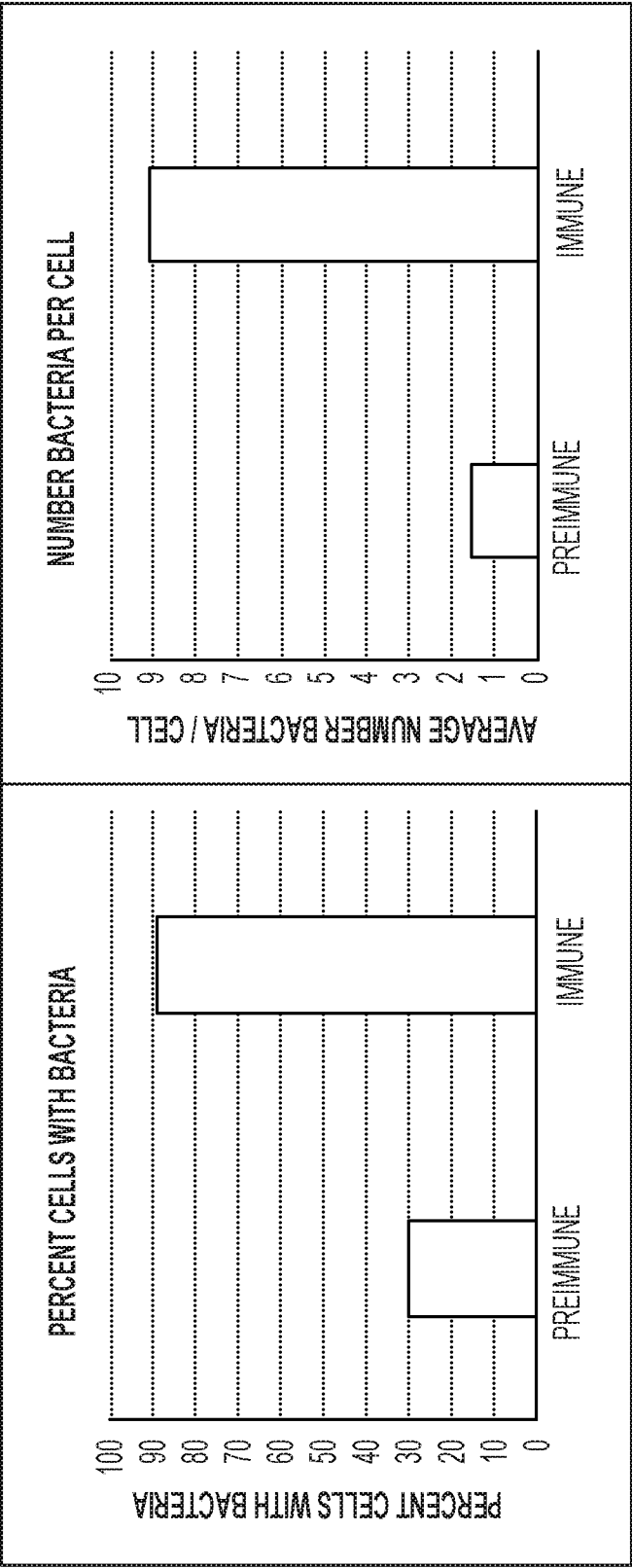


Figure 51

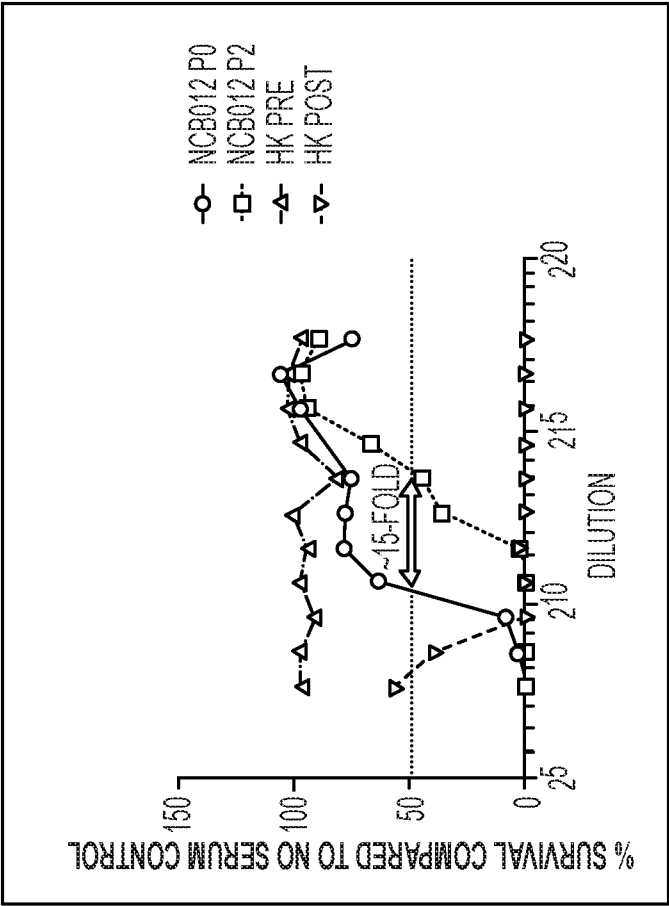


Figure 52

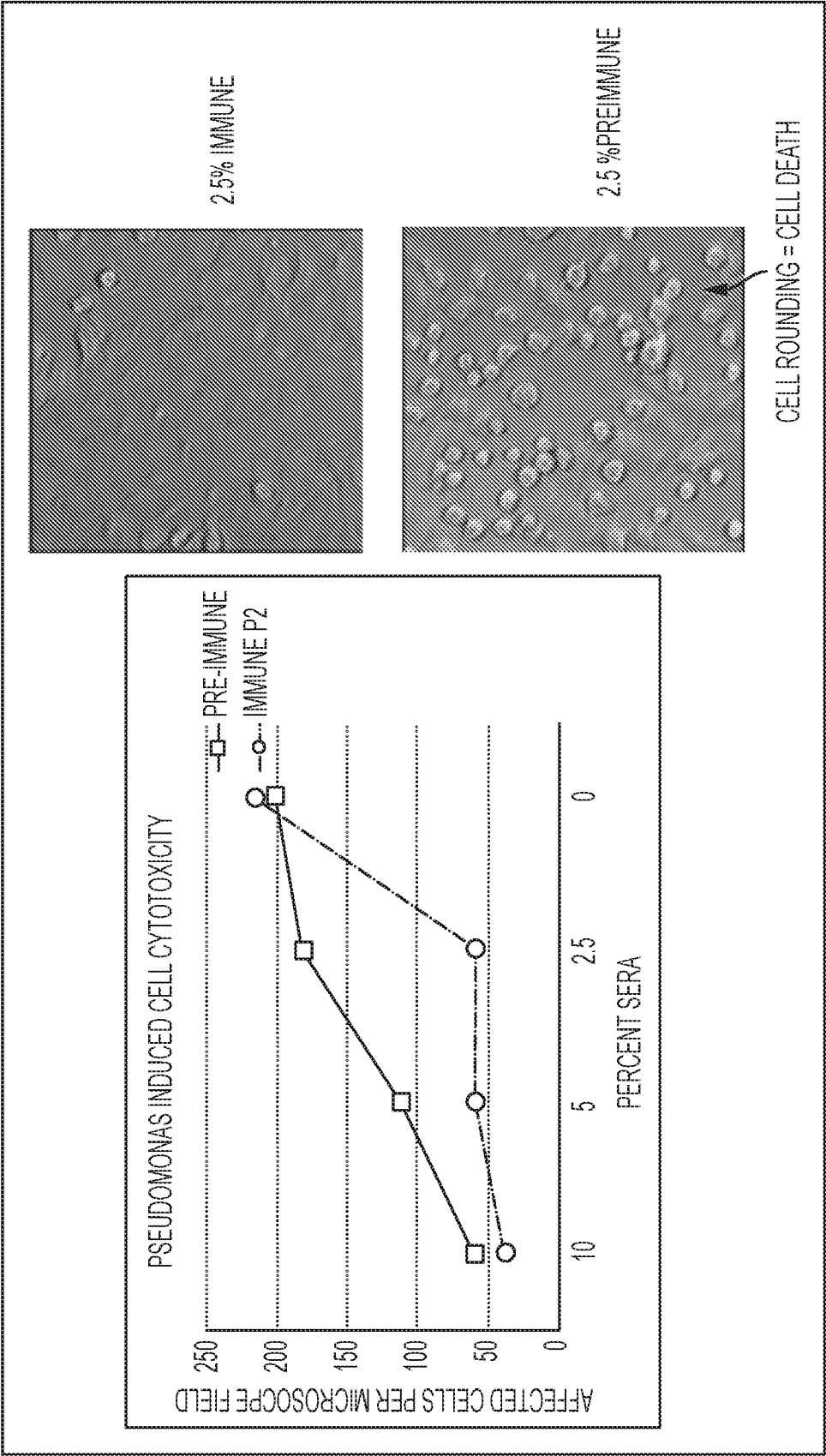


Figure 53

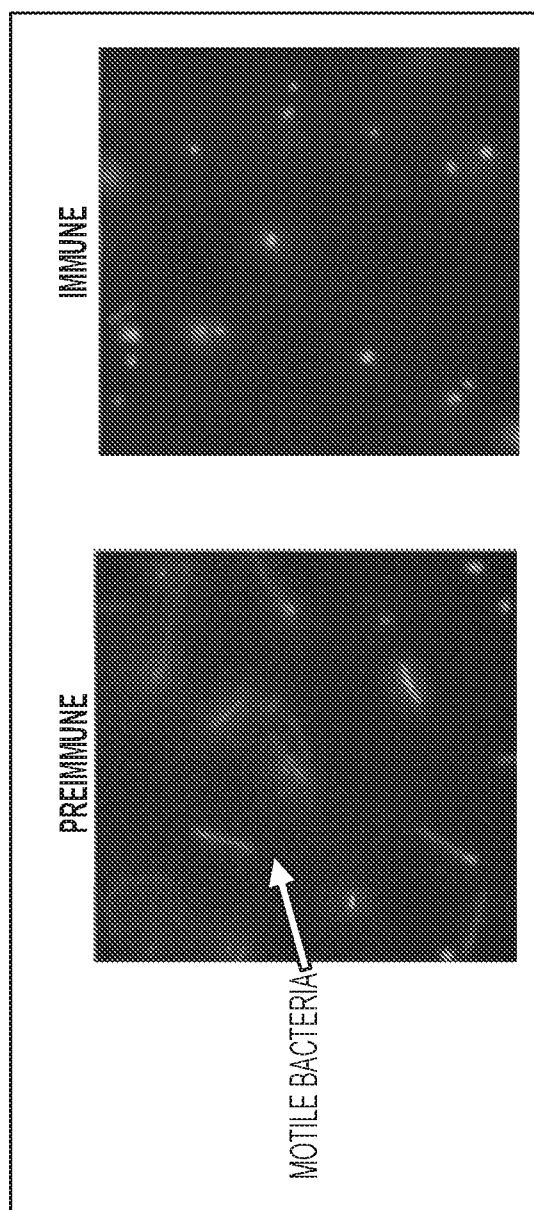


Figure 54

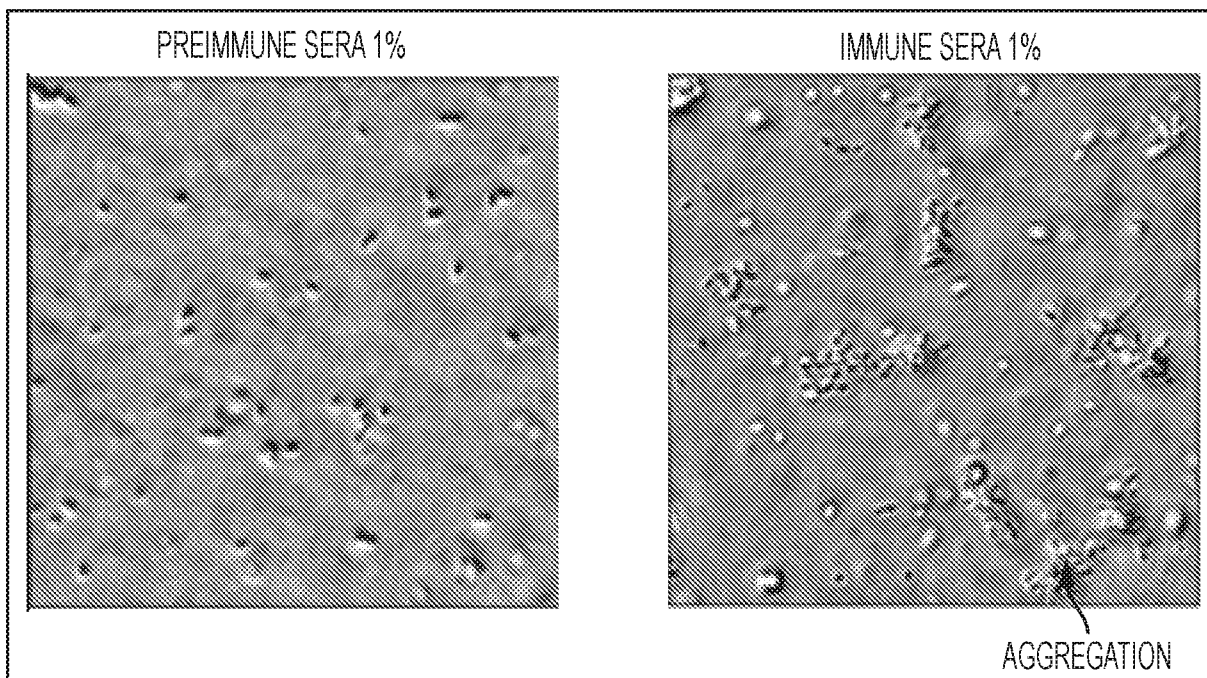


Figure 55

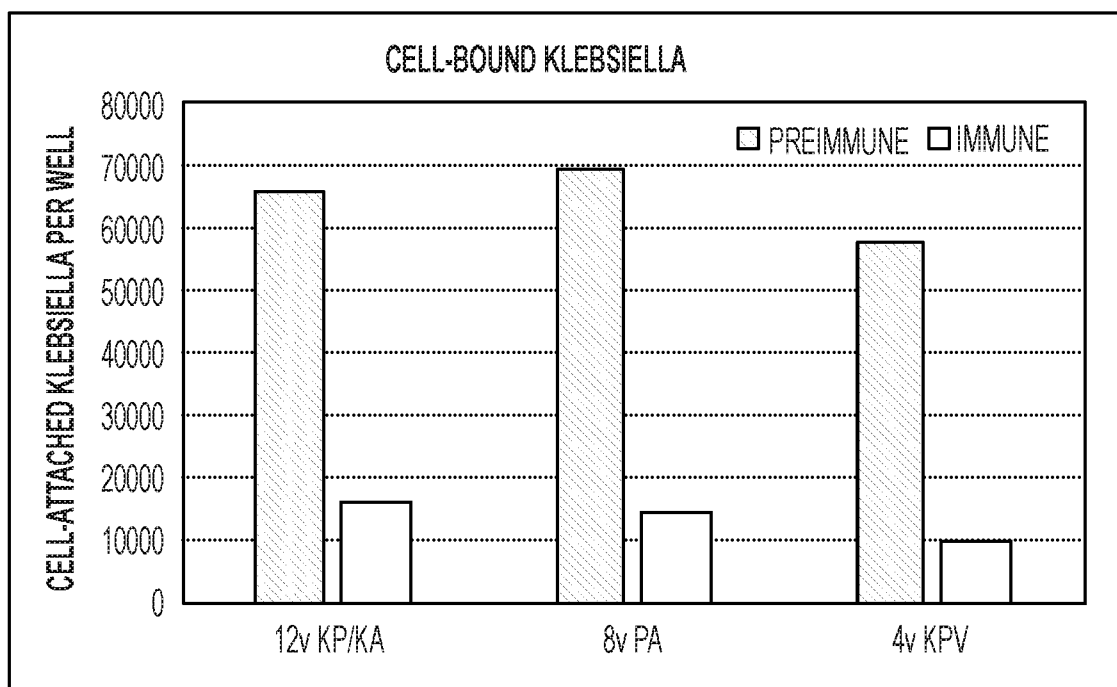


Figure 56

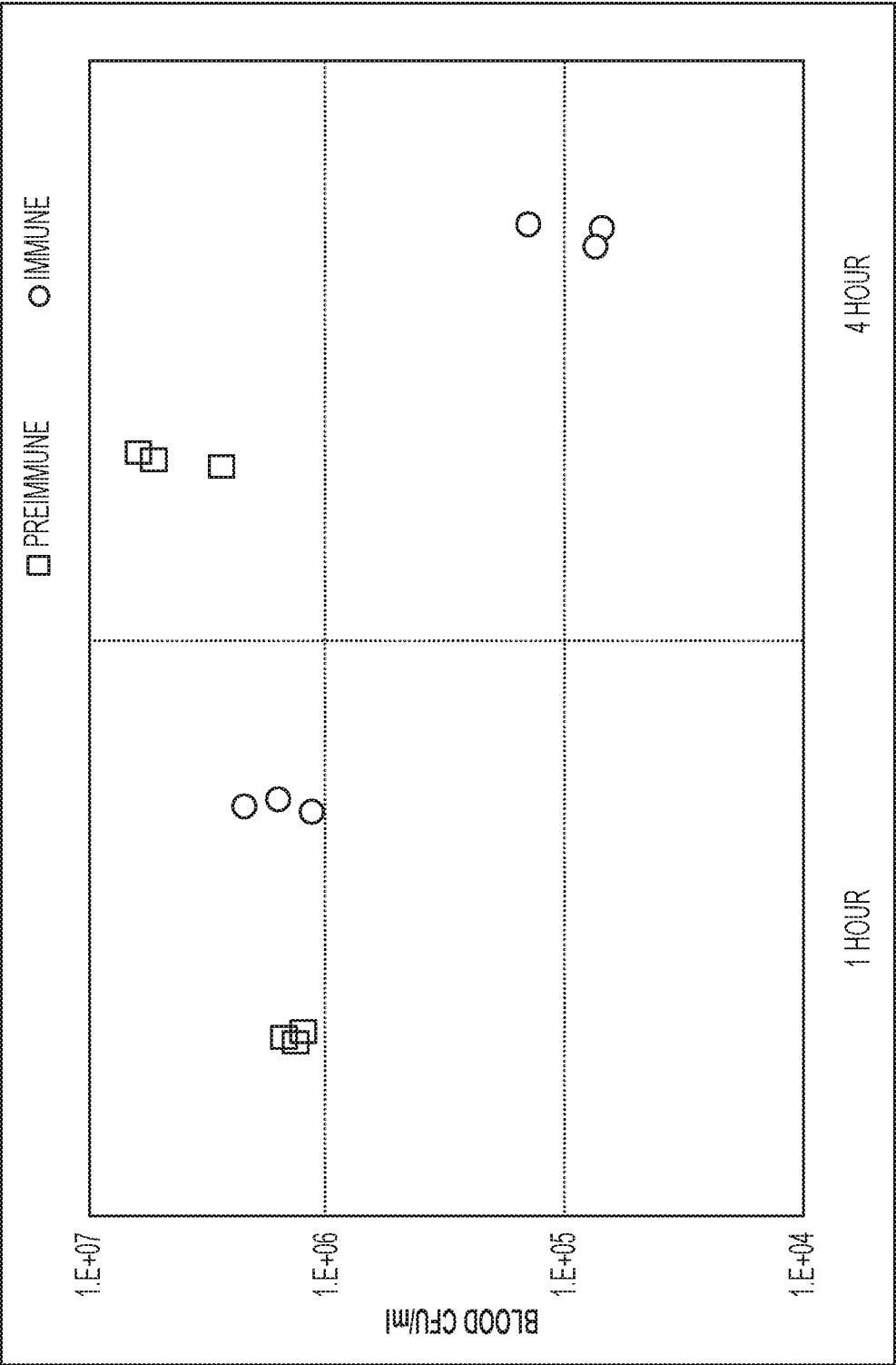


Figure 57

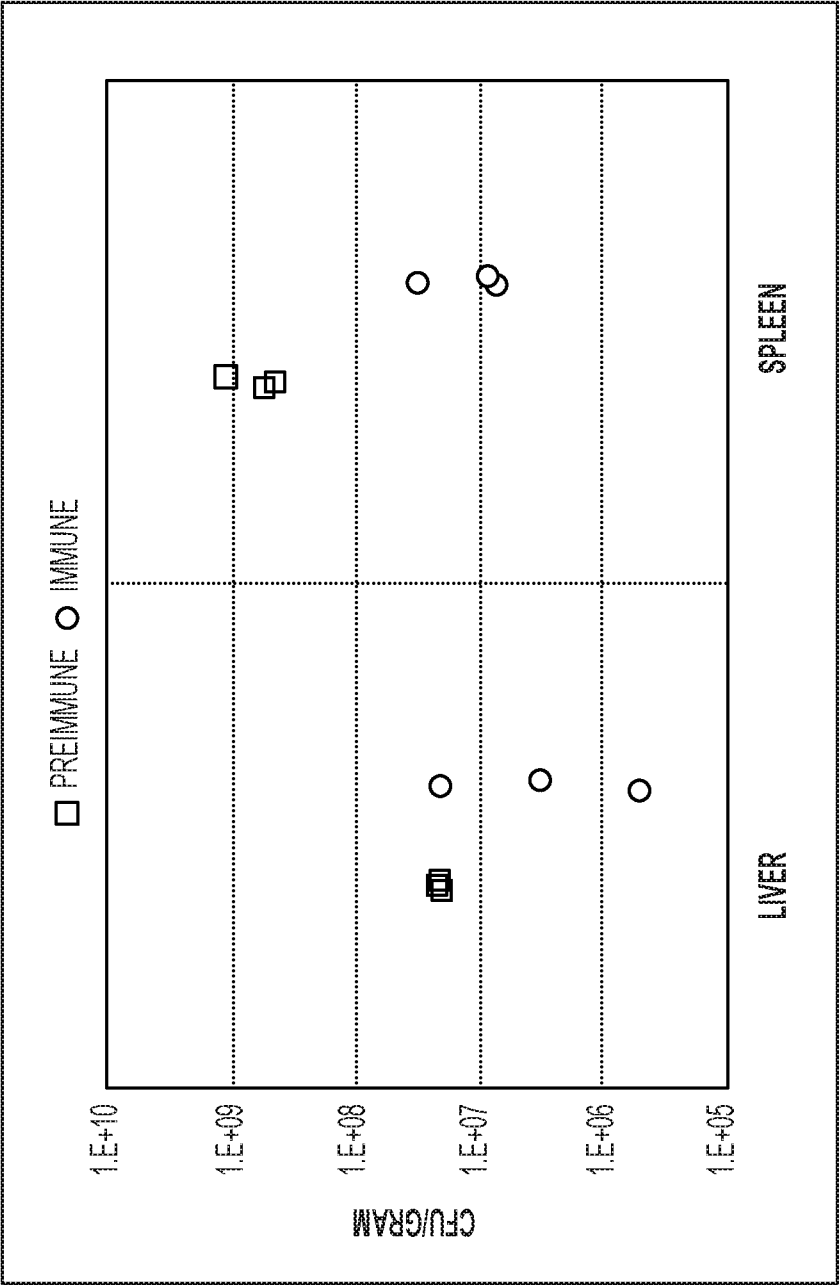


Figure 58

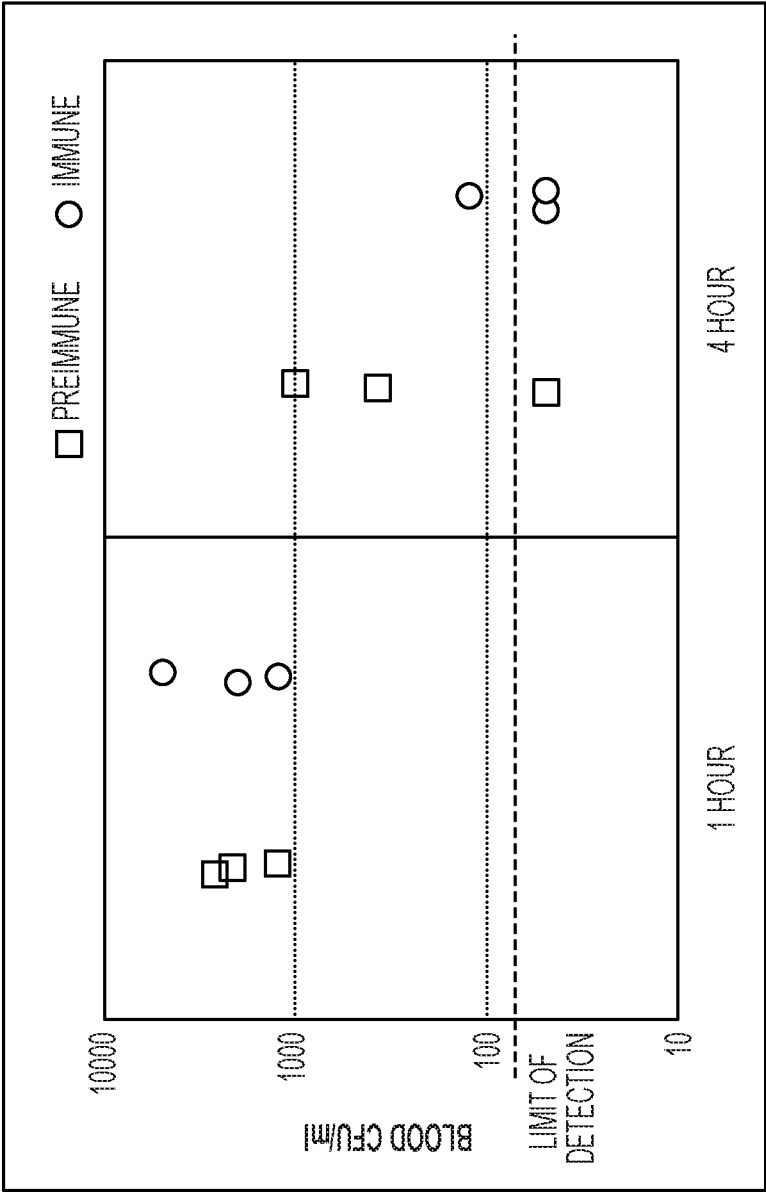


Figure 59

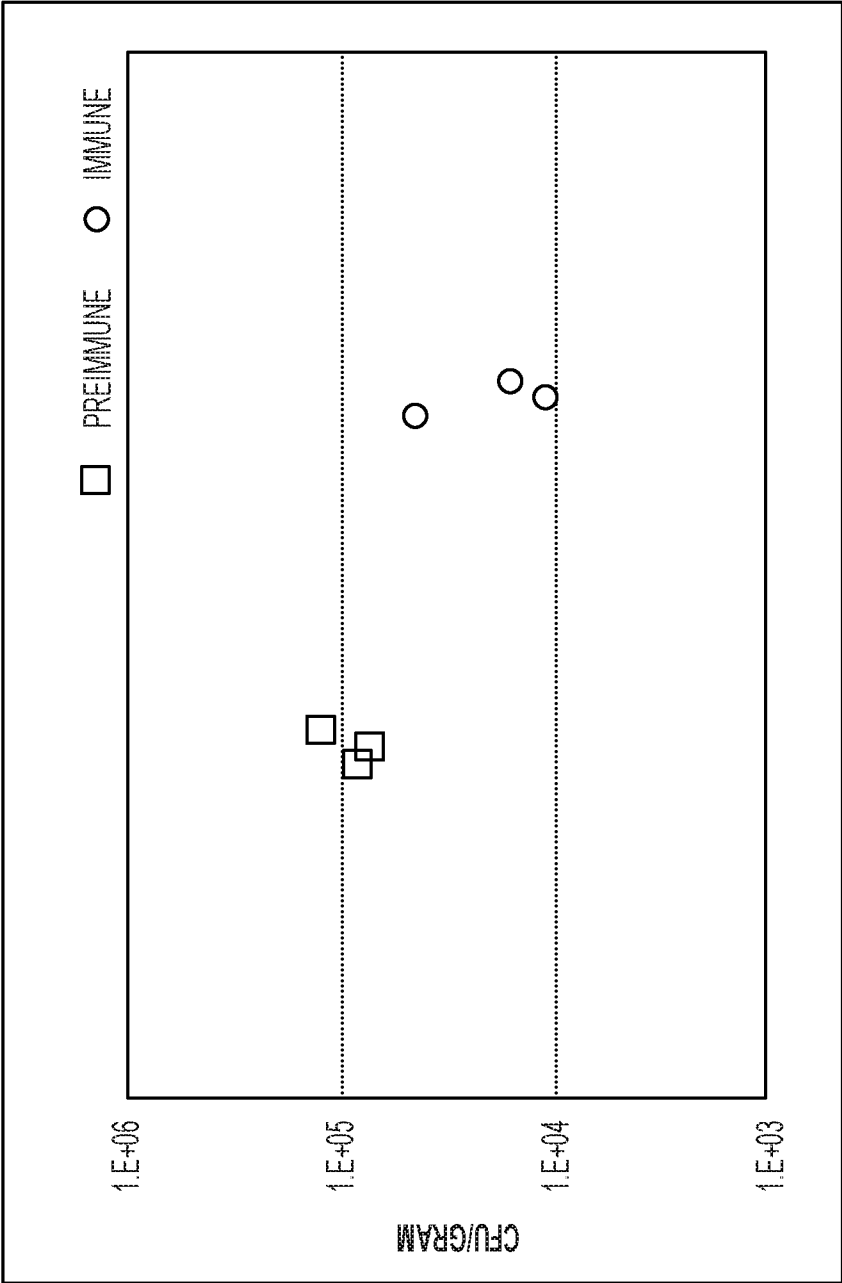


Figure 60

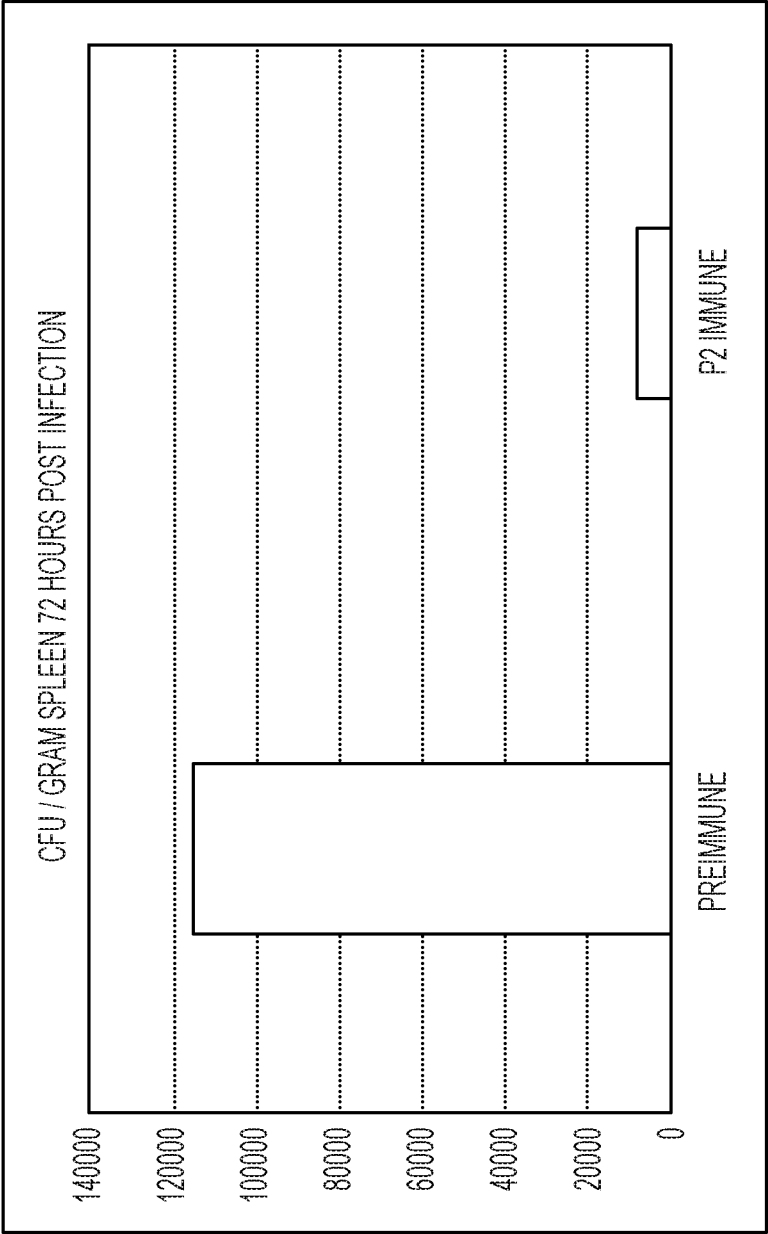


Figure 61

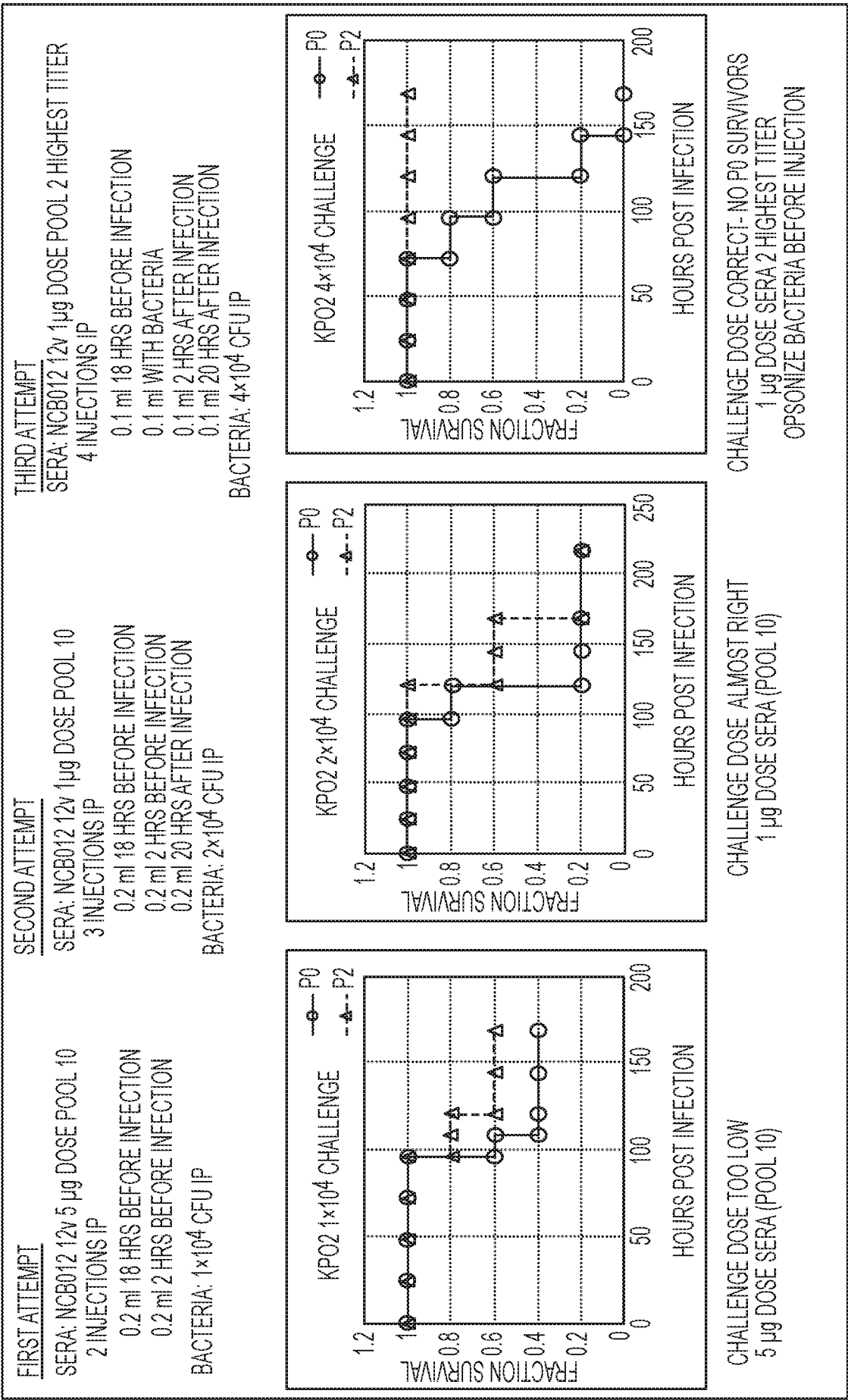
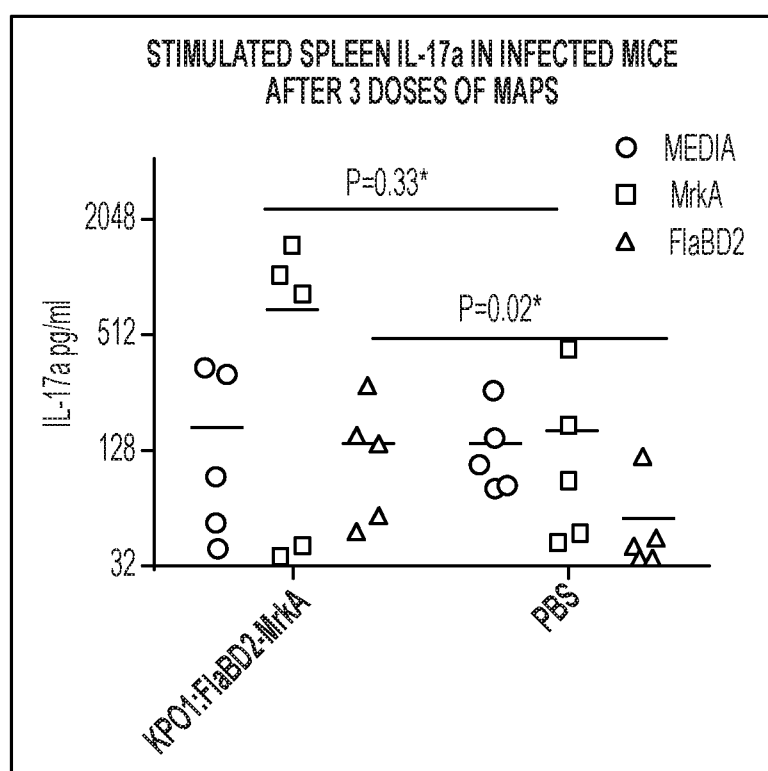


Figure 62



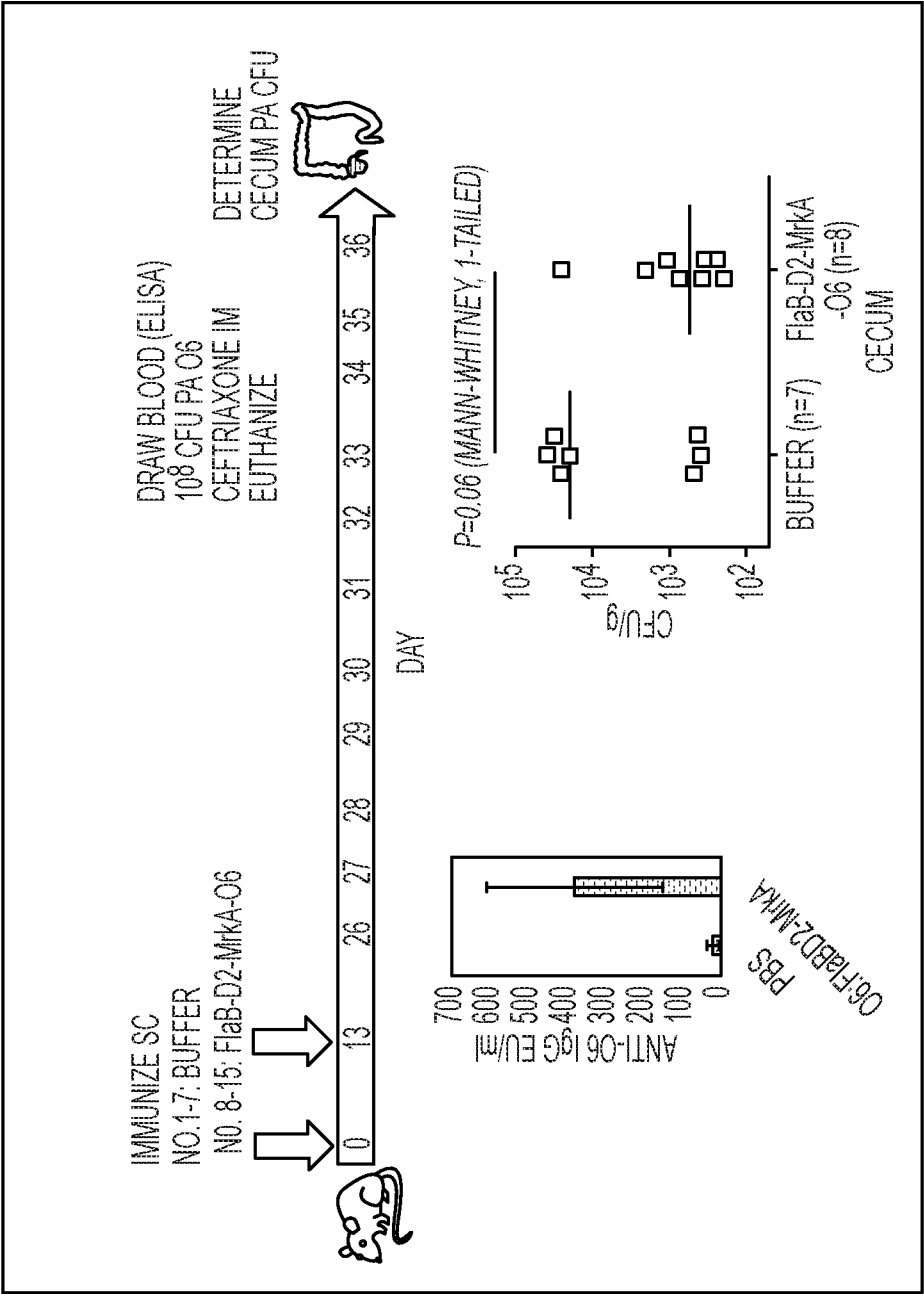


Figure 64

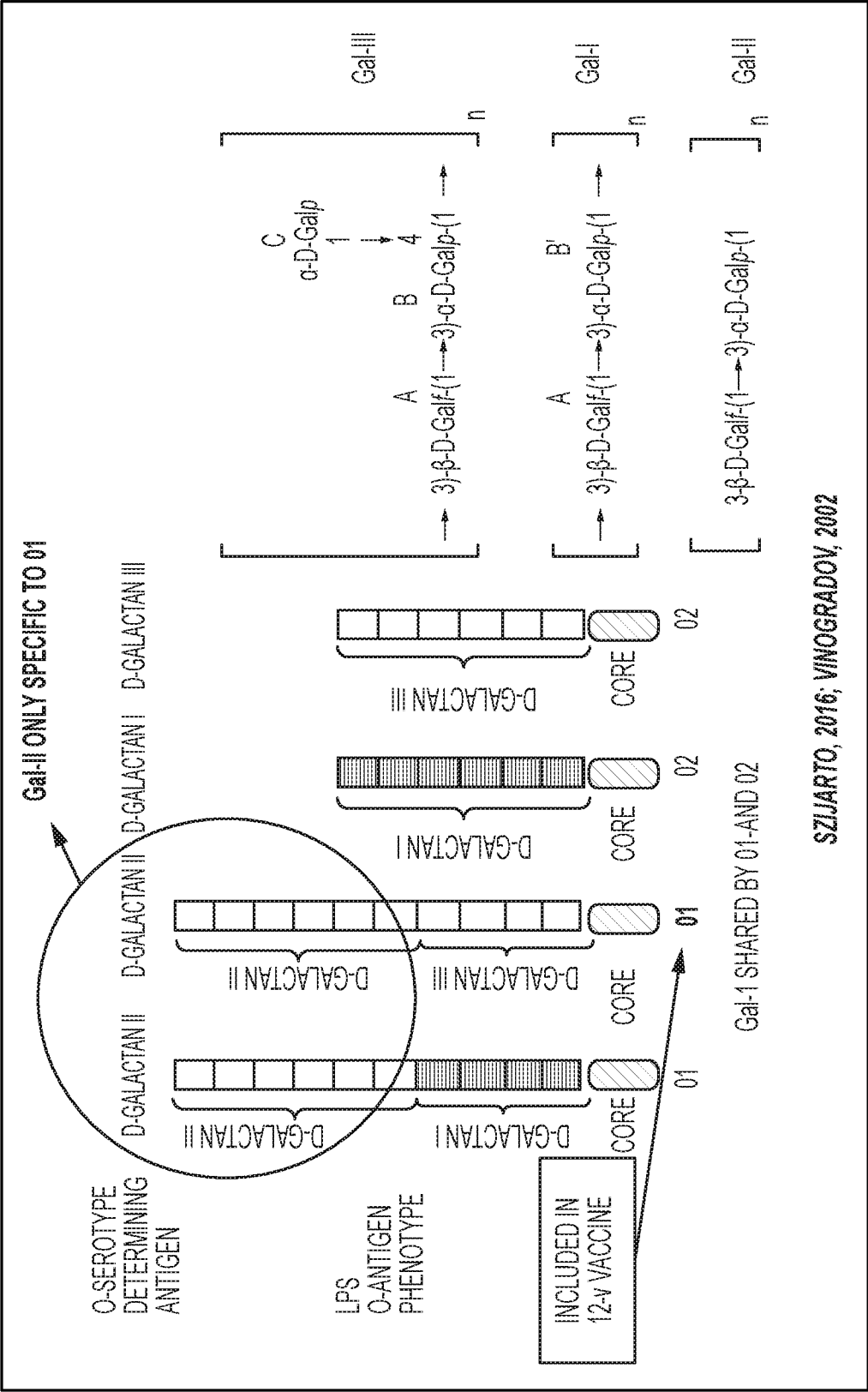


Figure 65

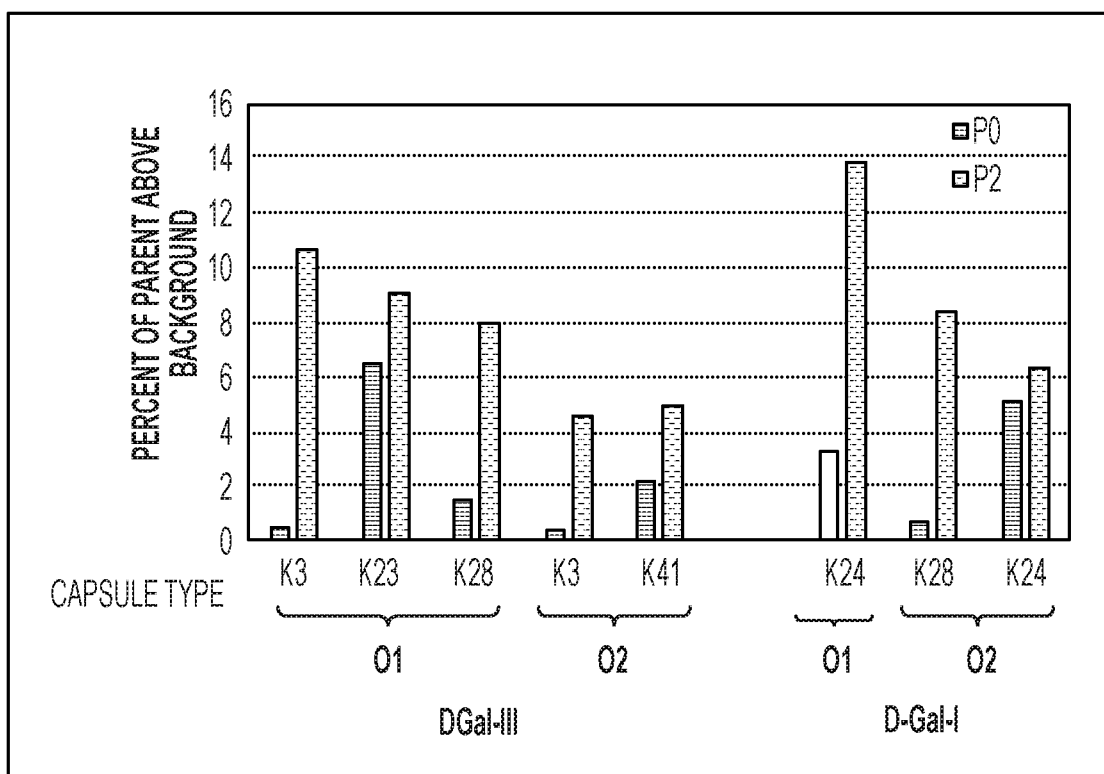


Figure 66

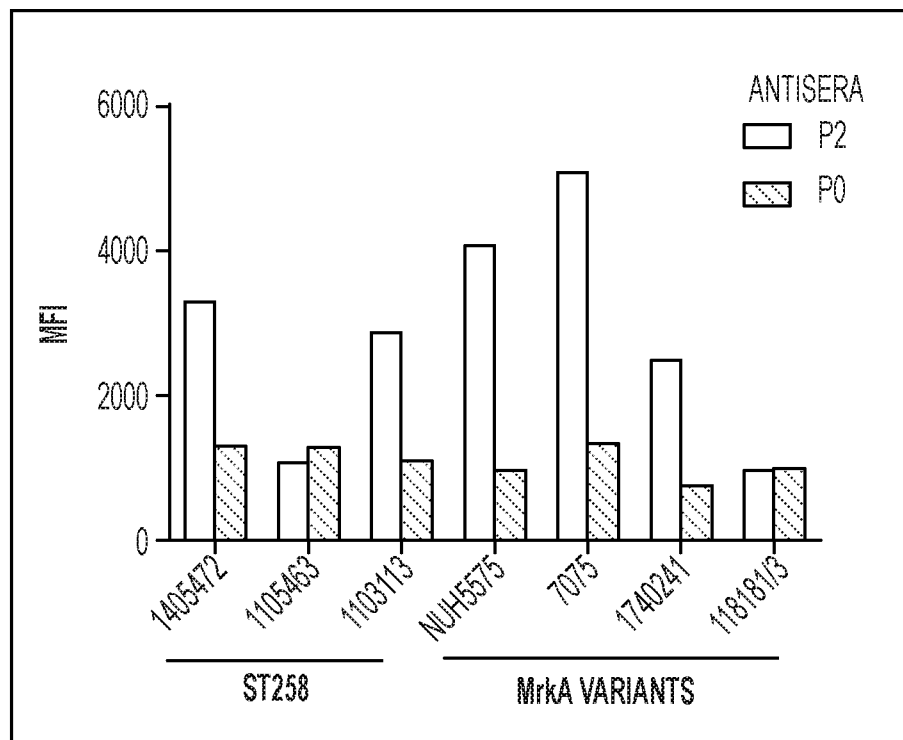


Figure 67

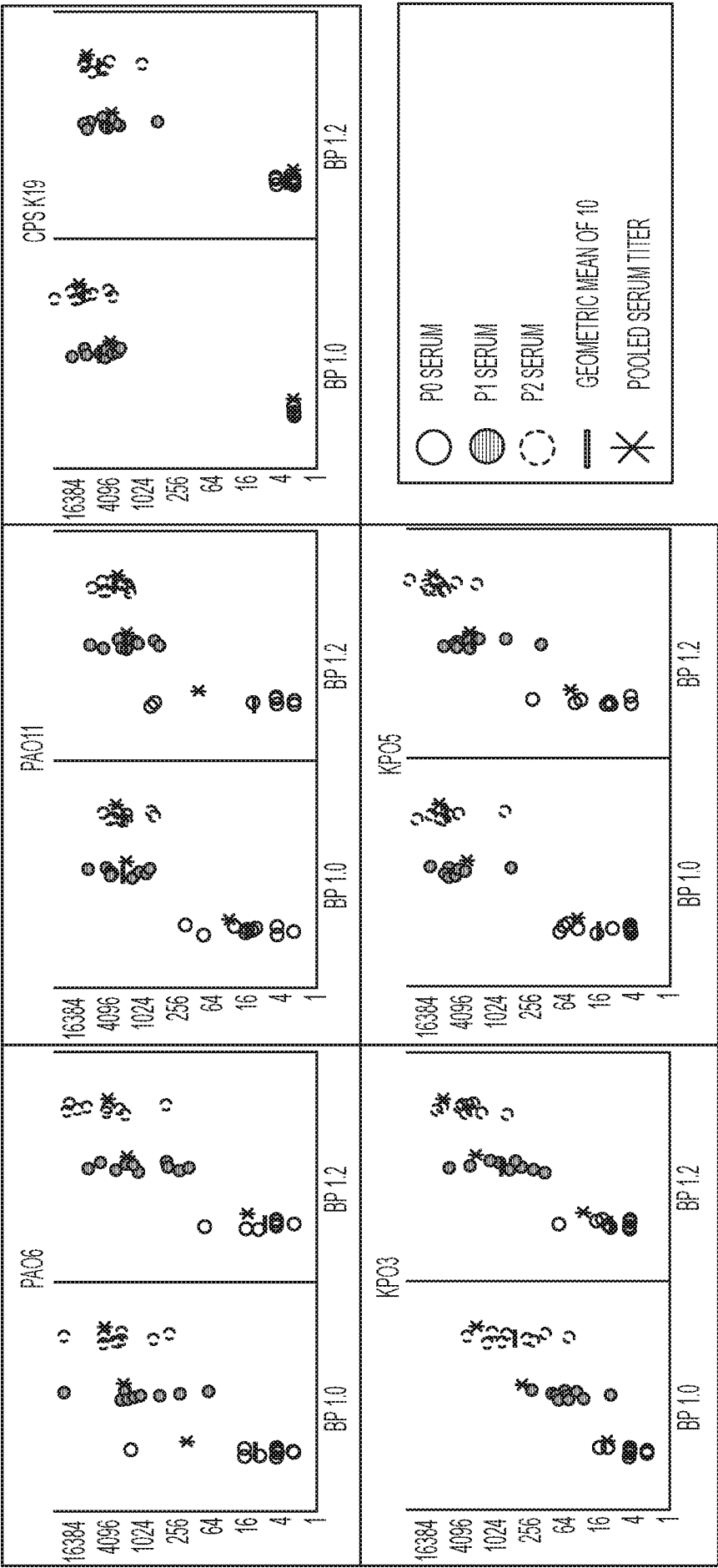


Figure 68

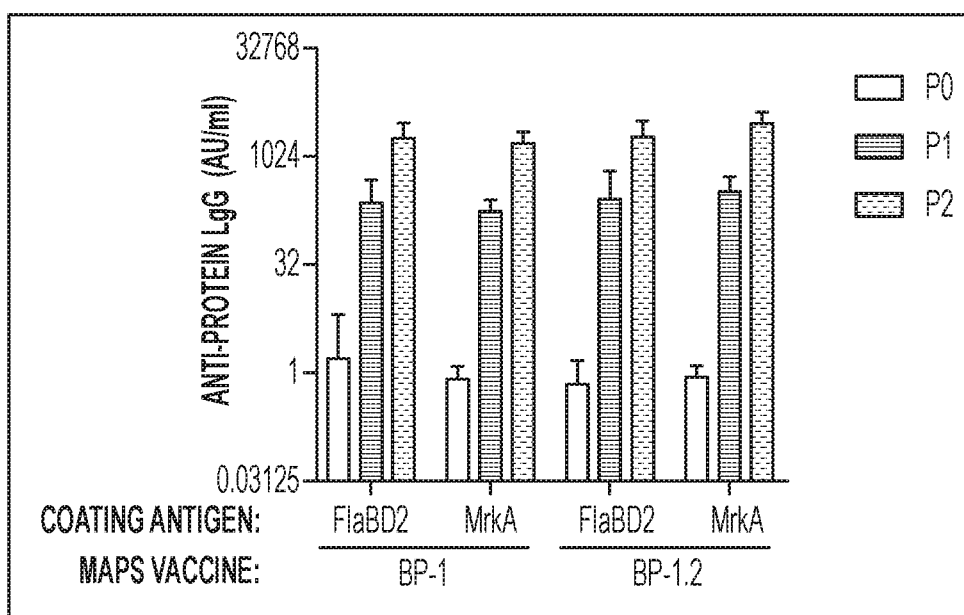


Figure 69

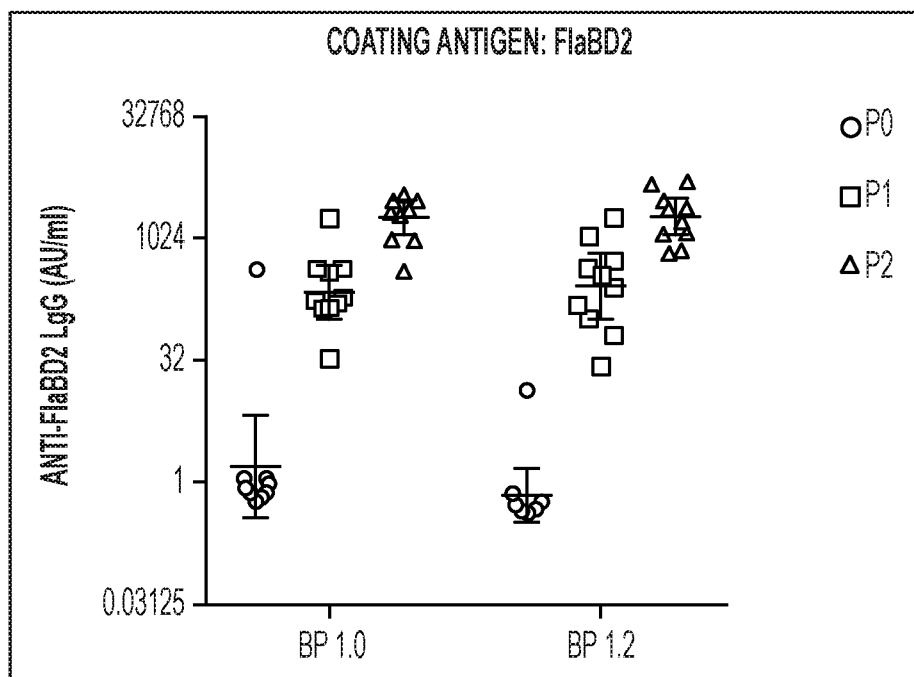


Figure 70

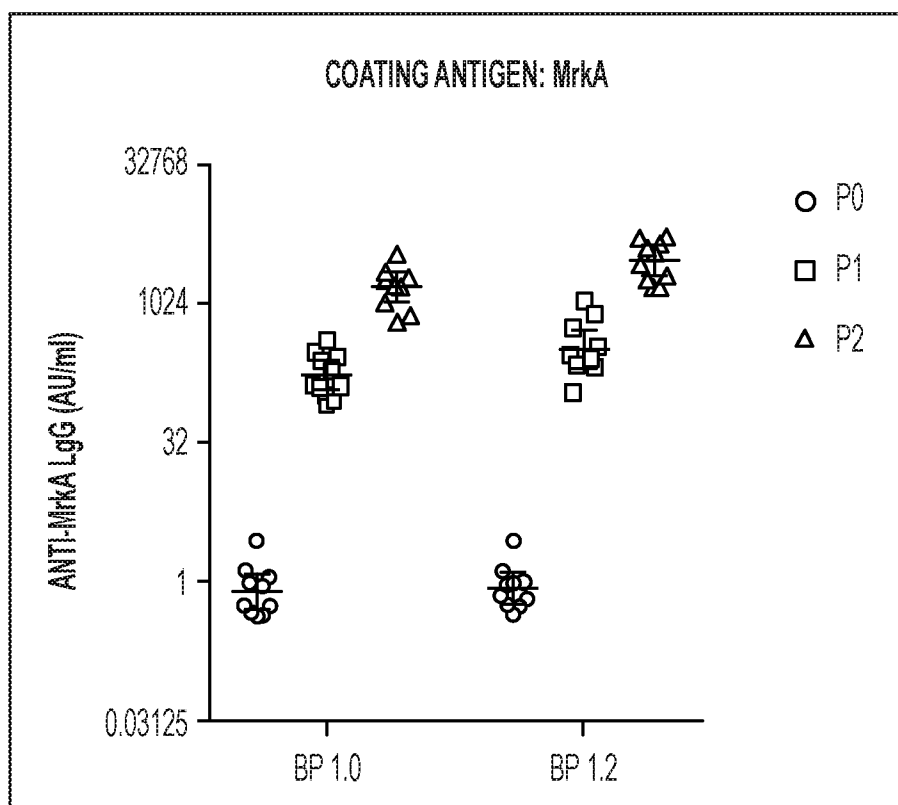


Figure 71