

FIG. 1A

Yield (mg/L) % Prefusion	483-GCN4	476-GCN4	469-GCN4
A163C-V235C	0 n/a	0 n/a	0 n/a
V206C-A223C	15.5 75	4.82 100	2.45 60
N86C-A215C	0.43 100	1.48 85	2.0 10
P209C-P214C	0.68 100	0.08 100	0 n/a
K155C-L161C	1.75 20	0.32 25	0.67 0
V165C-M231C	4.47 65	0.52 100	0.62 20
I221C-M255C	7.25 10	0.92 10	0.1 10
S184P	0 n/a	0 n/a	0 n/a

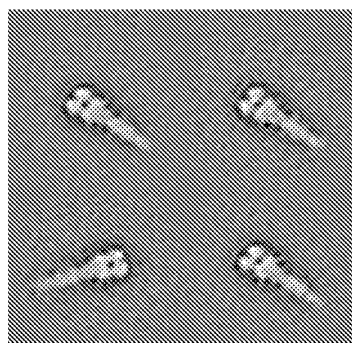
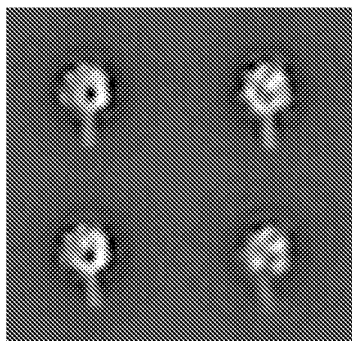
FIG. 1B

FIG. 1C

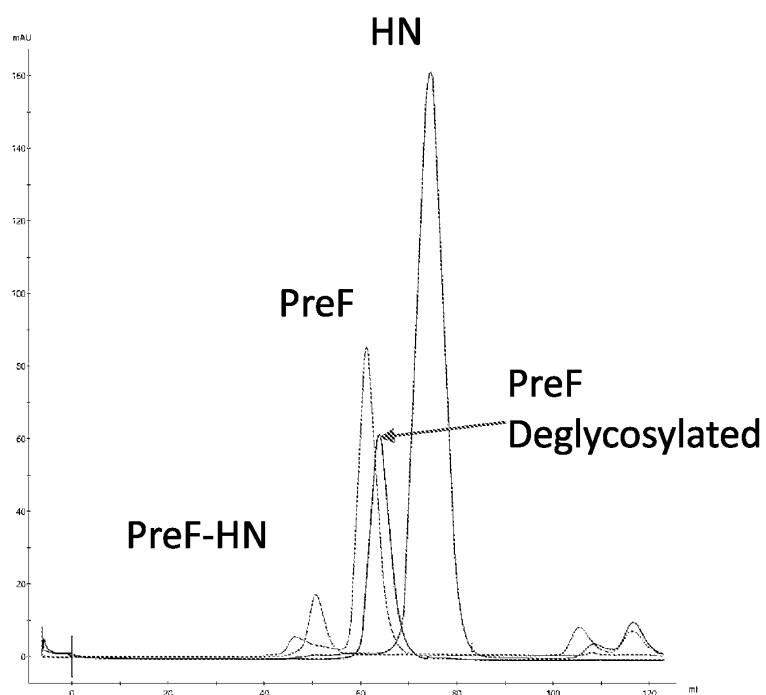


FIG. 1D

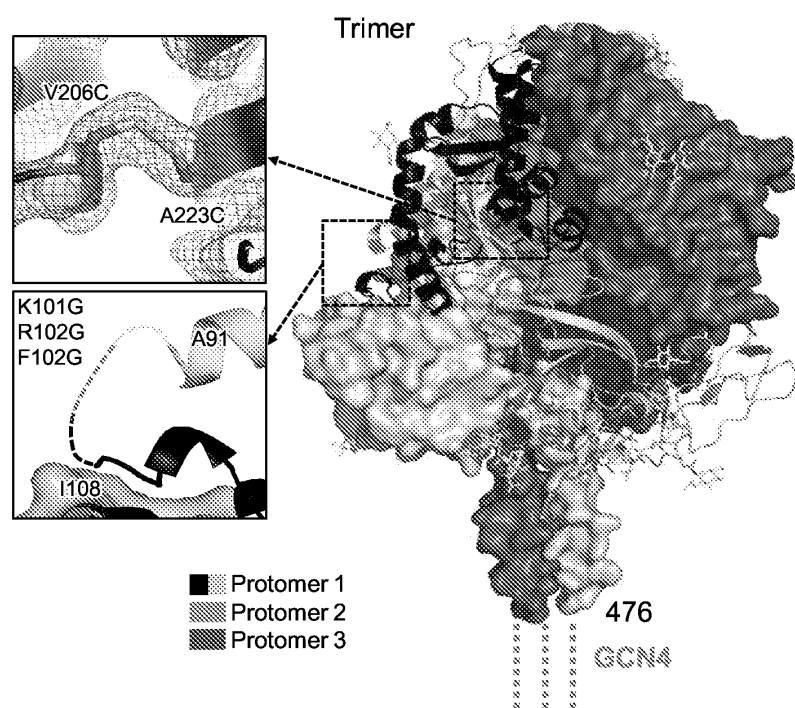


FIG. 1E

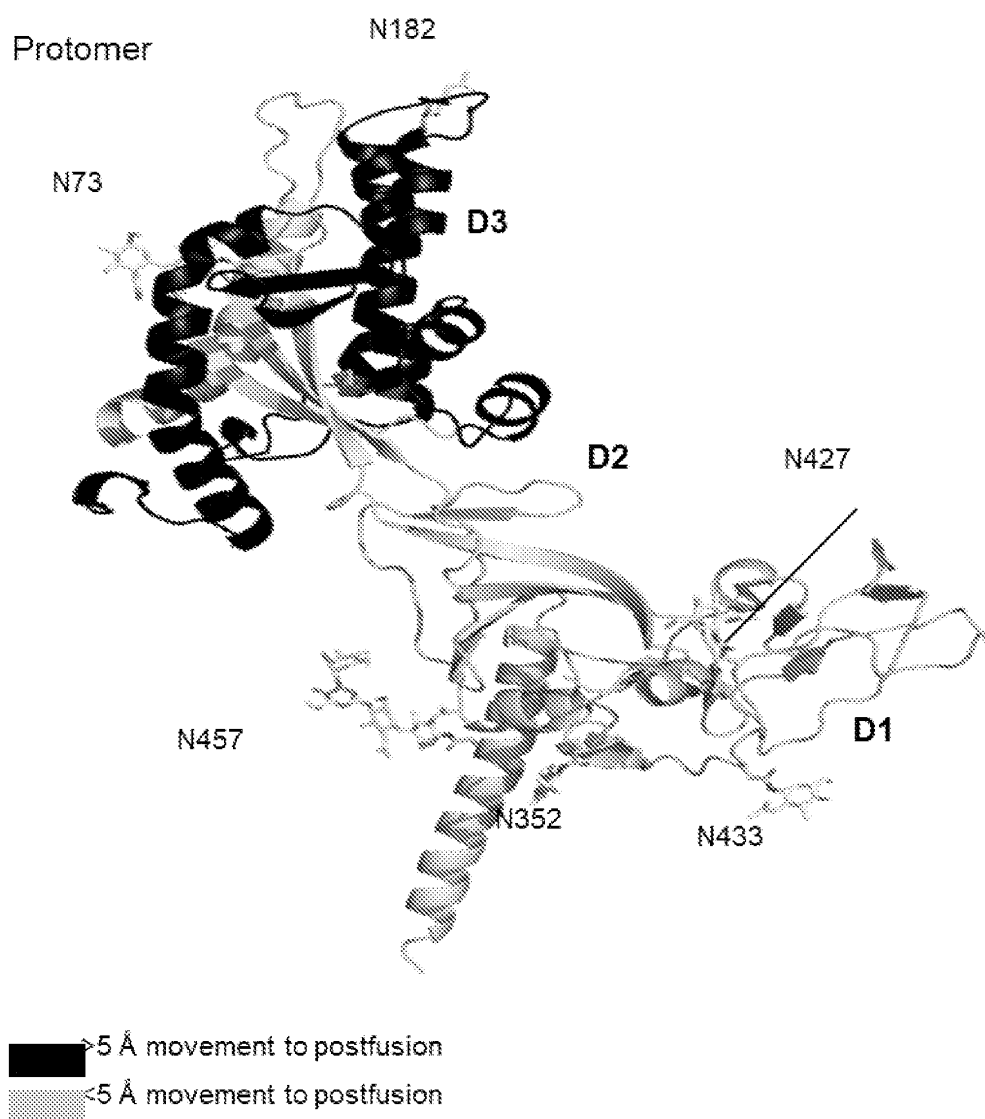


FIG. 2C

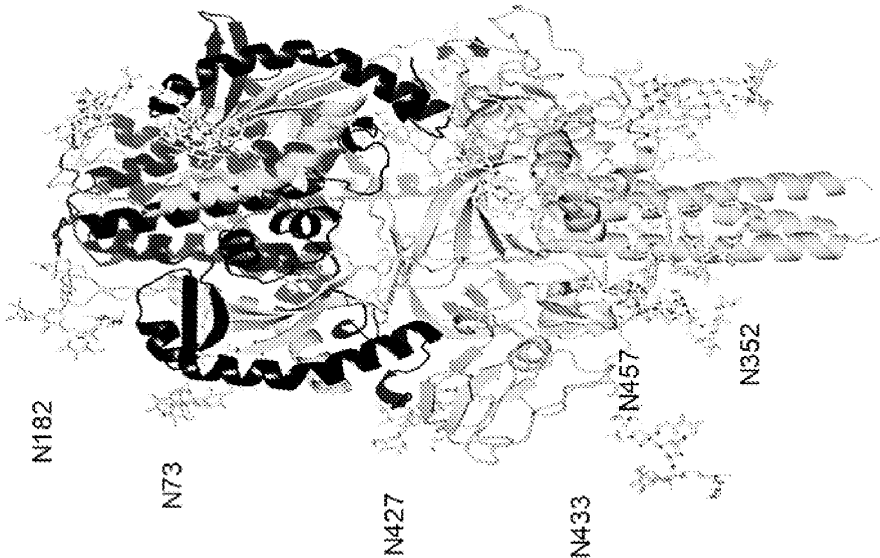


FIG. 2B

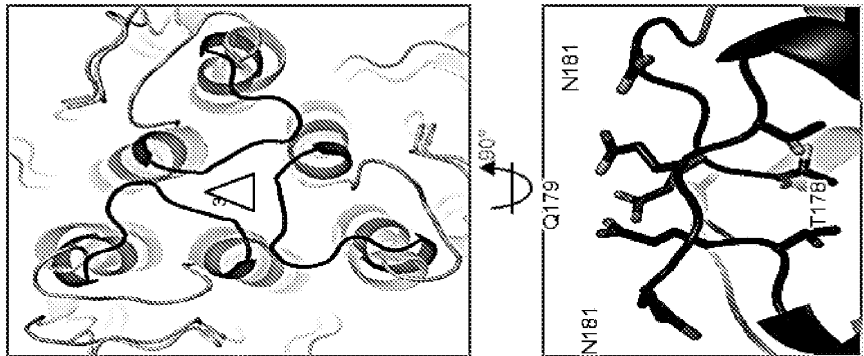


FIG. 2A

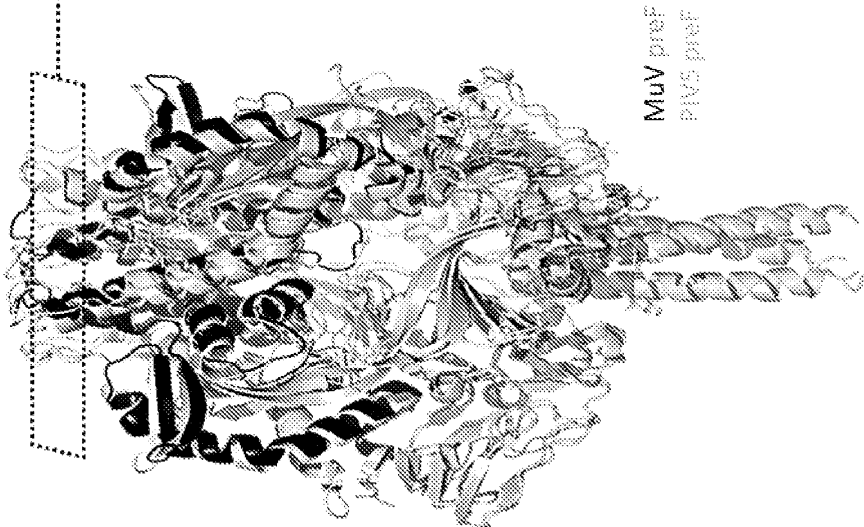


FIG. 2E

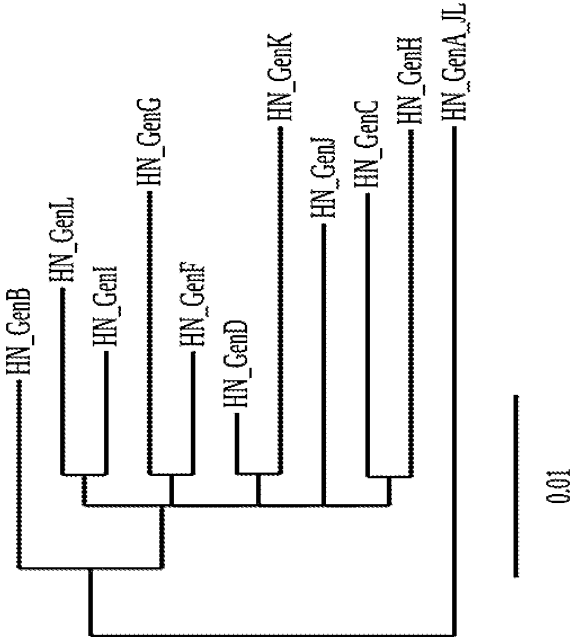


FIG. 2D

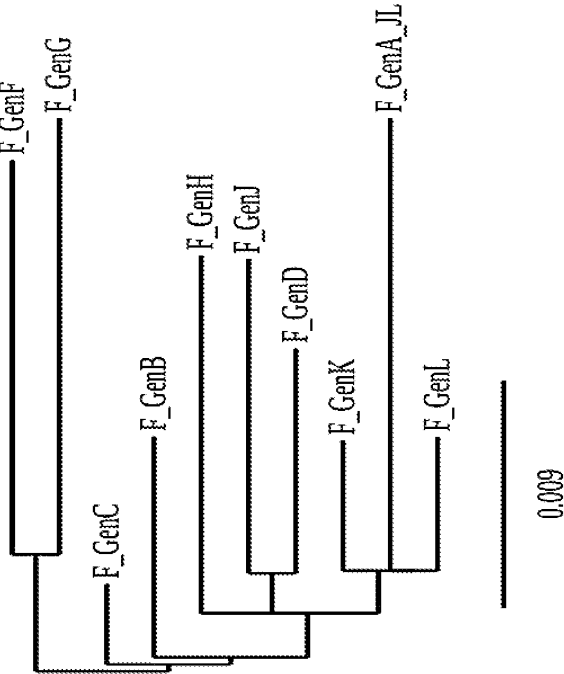


FIG. 2F

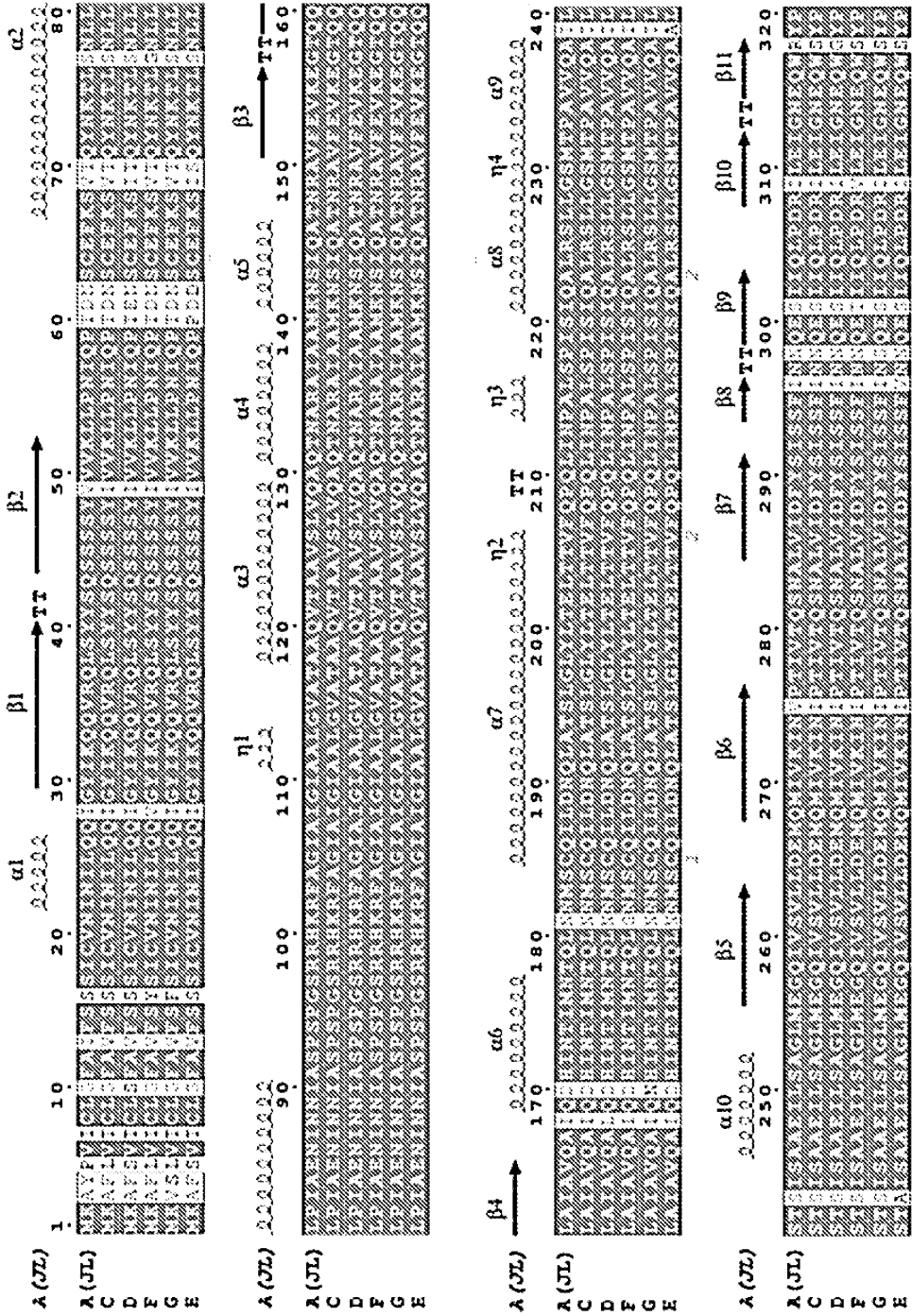


FIG. 2H

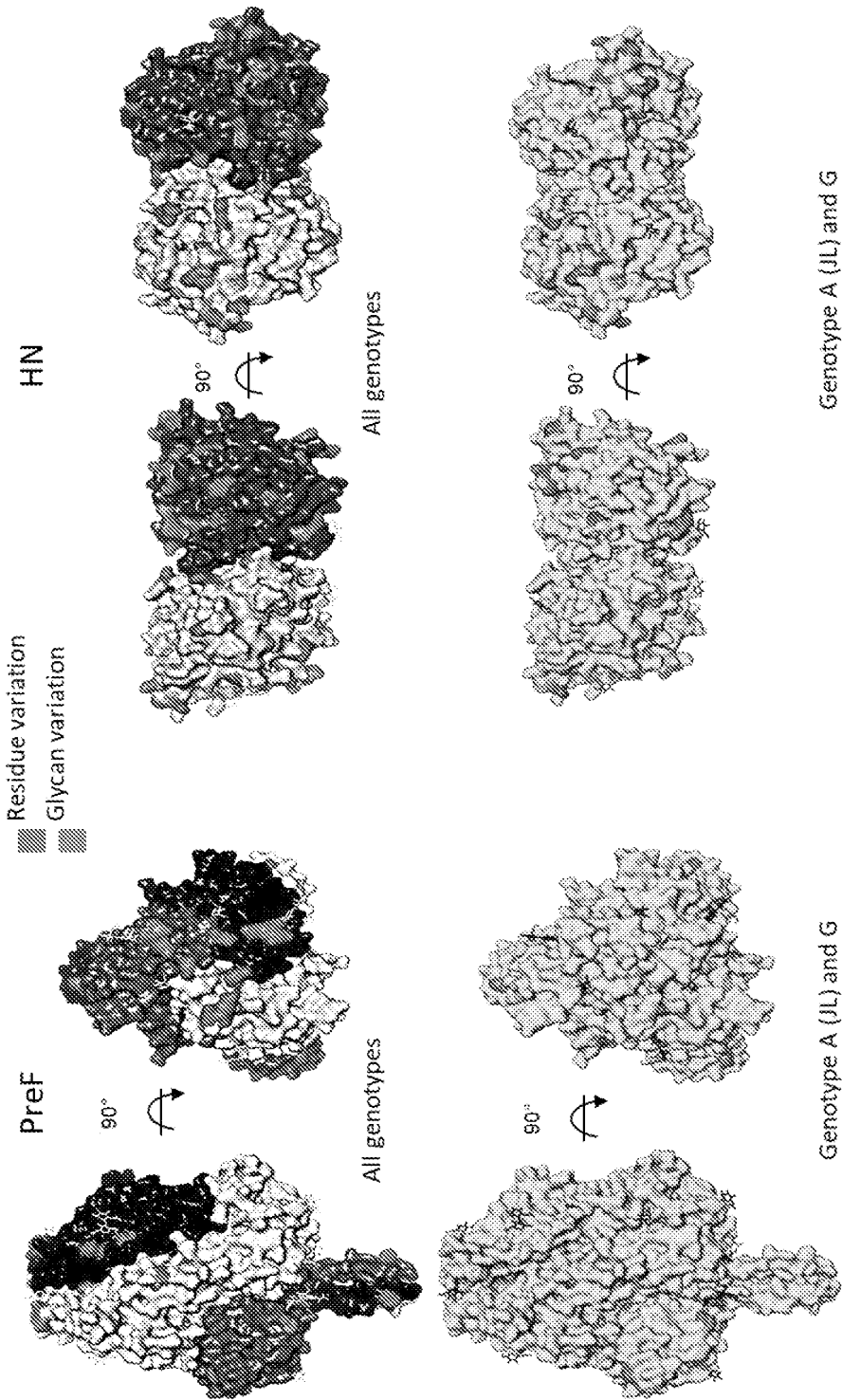


FIG. 3A

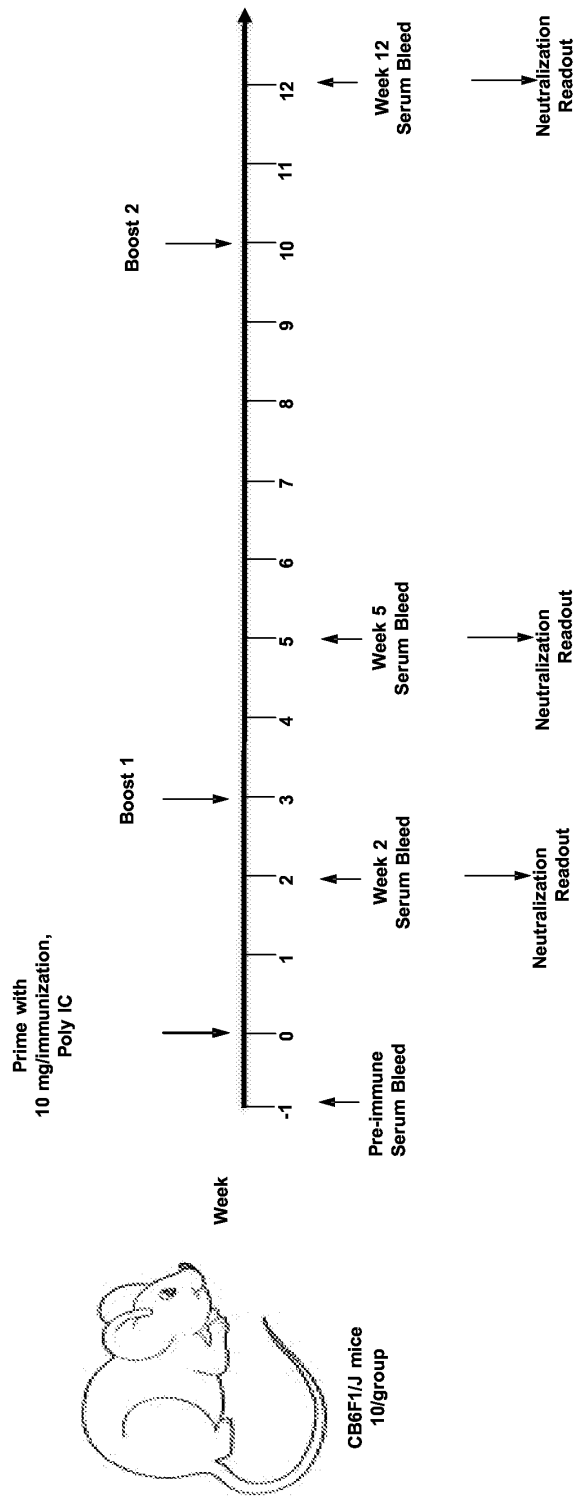


FIG. 3B

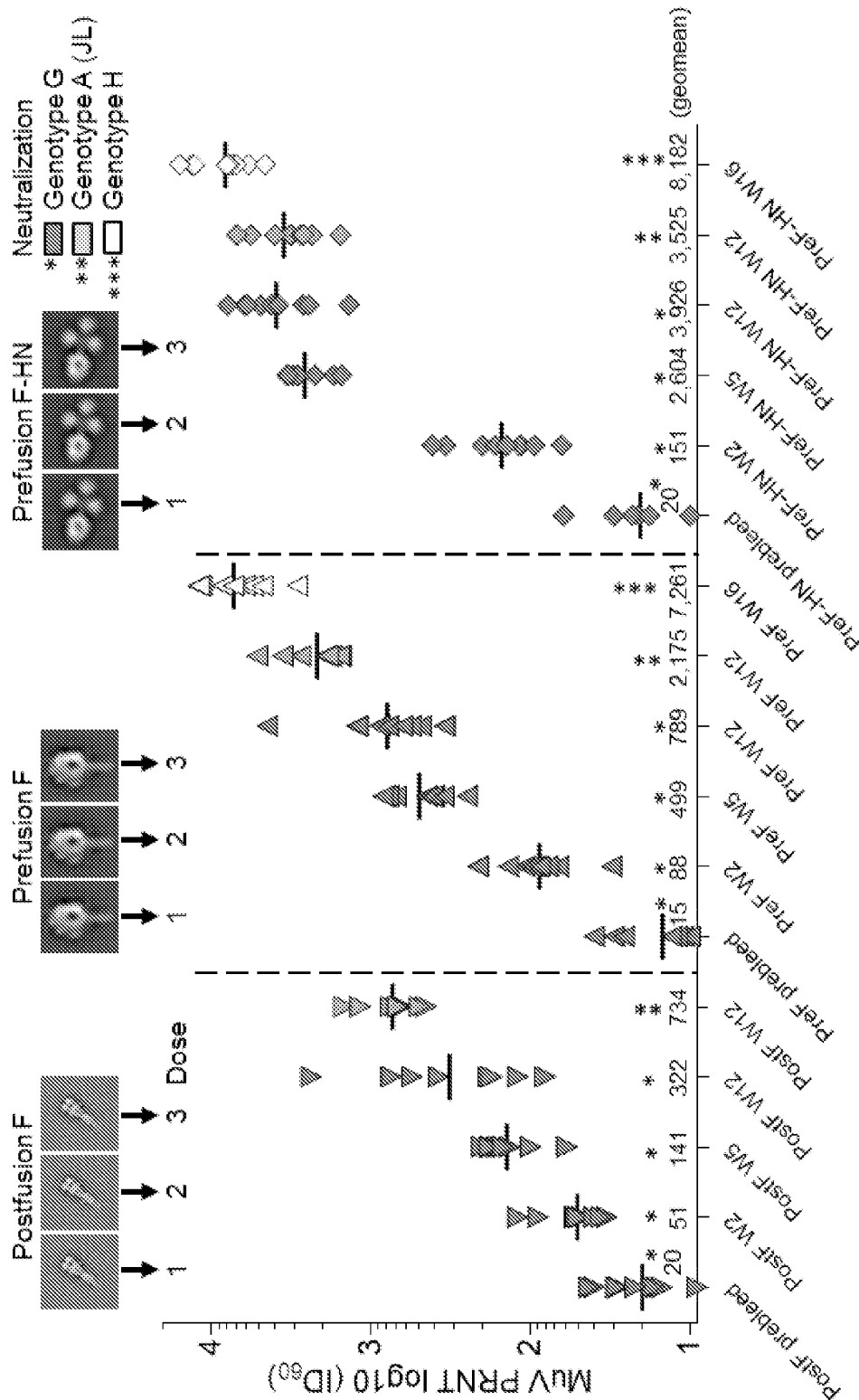


FIG. 4A

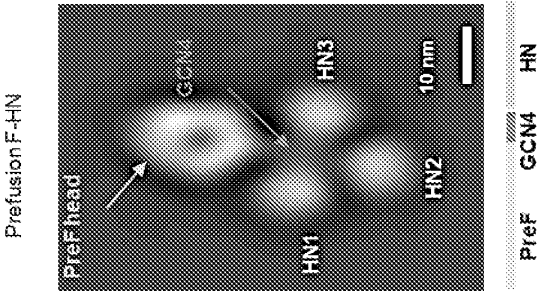


FIG. 4B

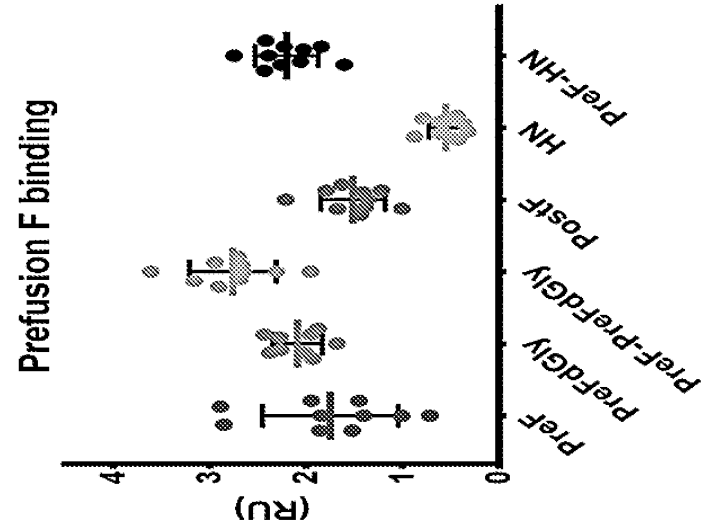


FIG. 4C

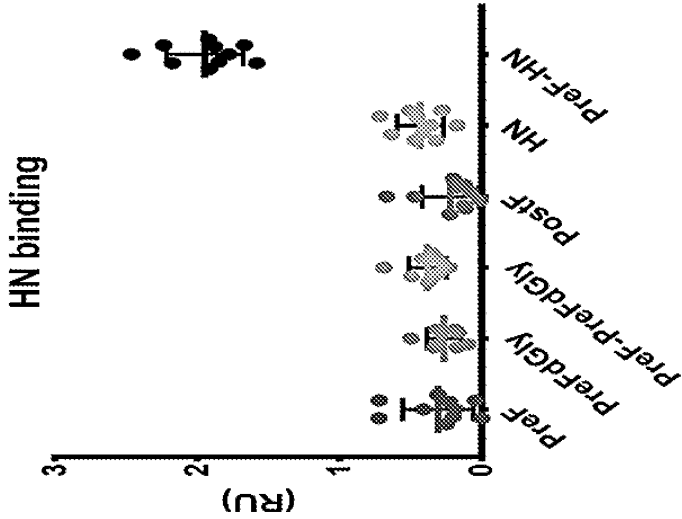


FIG. 4D

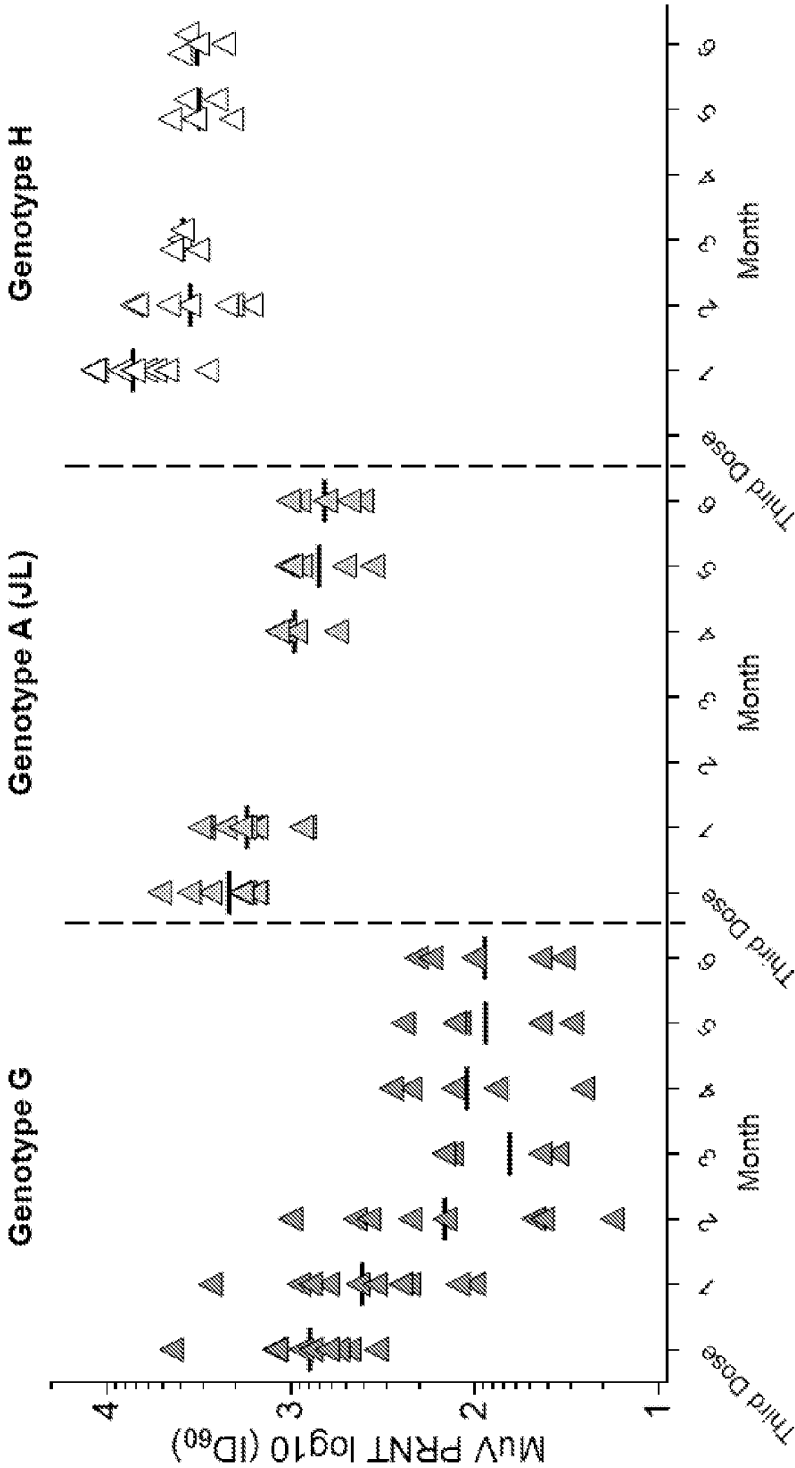


FIG. 4E

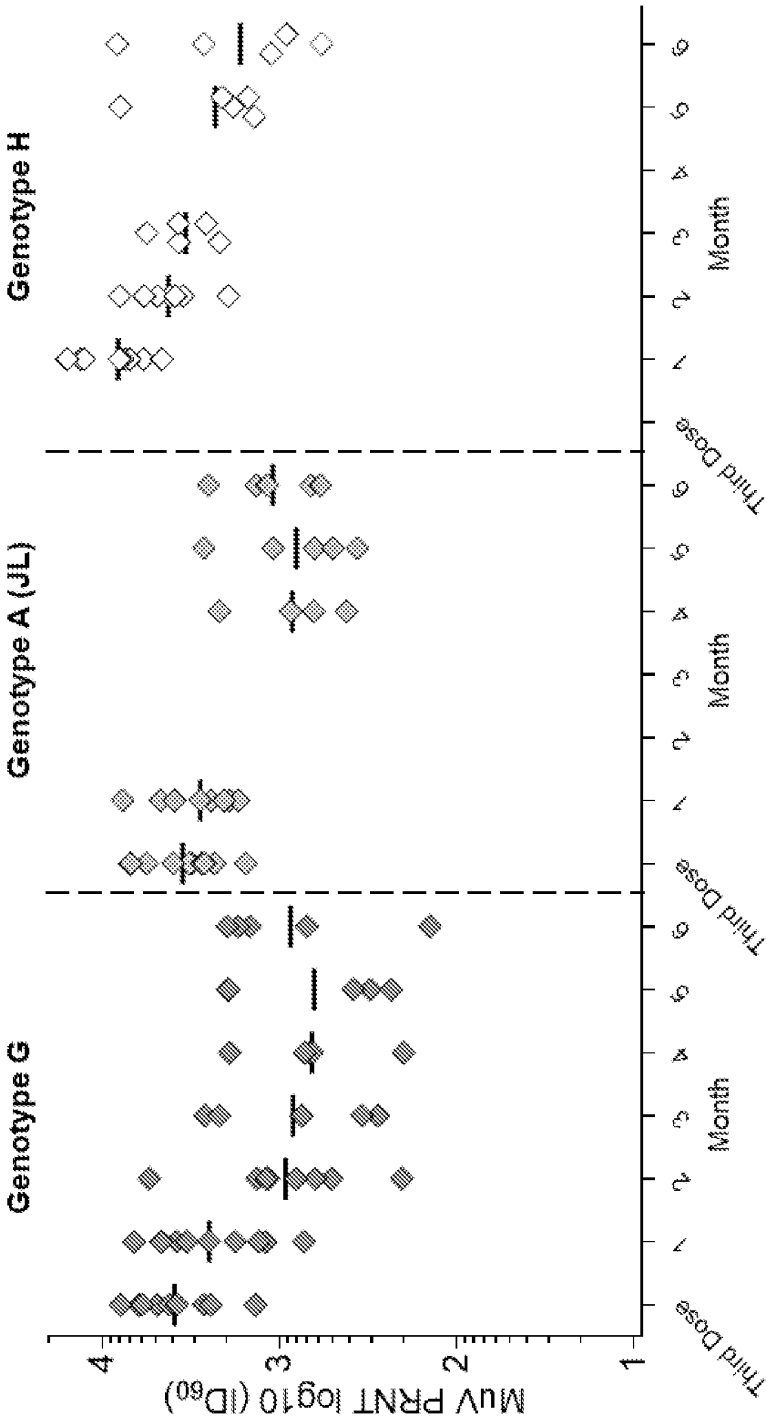
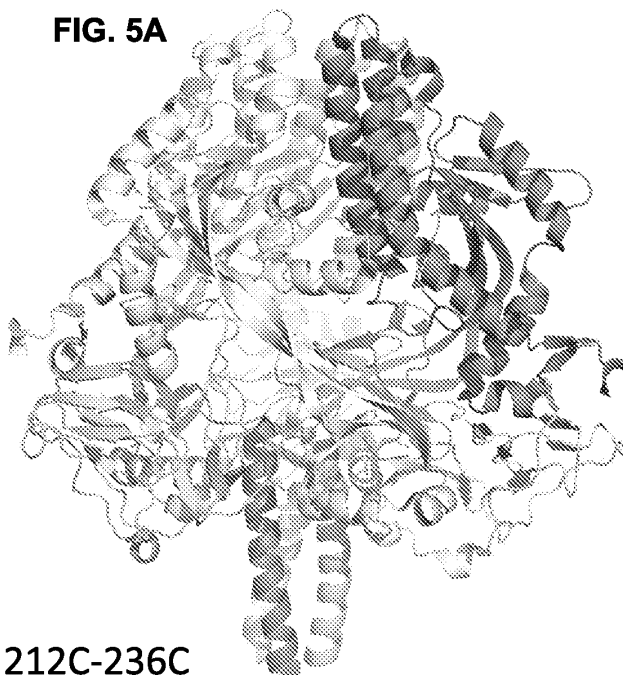
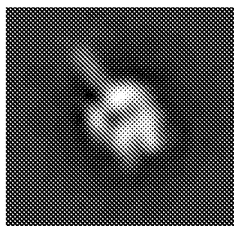
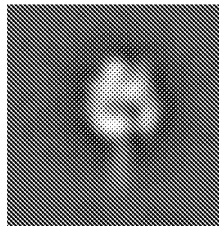


FIG. 5A**FIG. 5B**

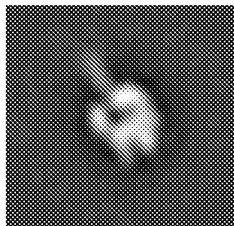
MeV 48C-284C



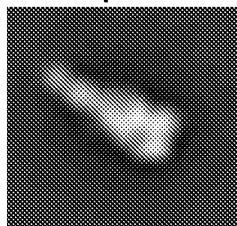
MeV 212C-236C



MeV 141C-270C



MeV postF-fd



MeV R165C-M171C

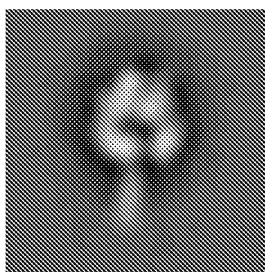


FIG. 5C

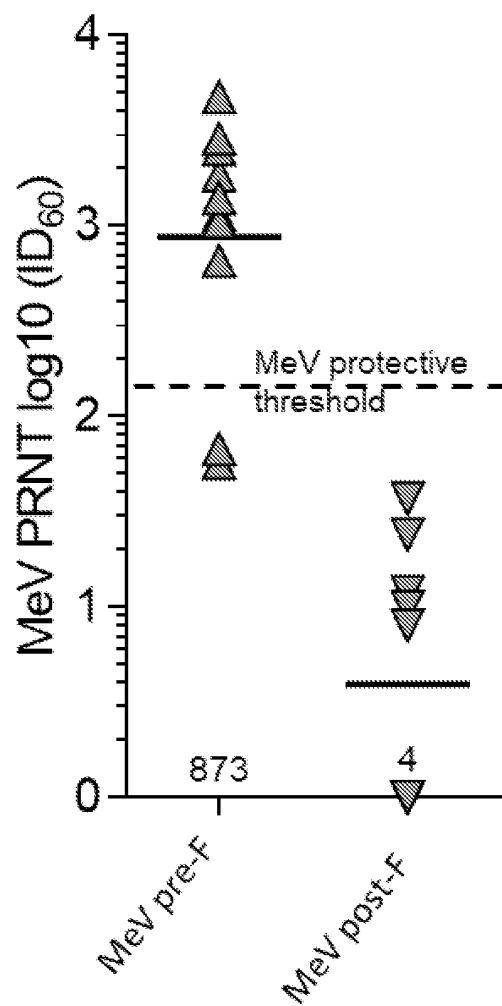


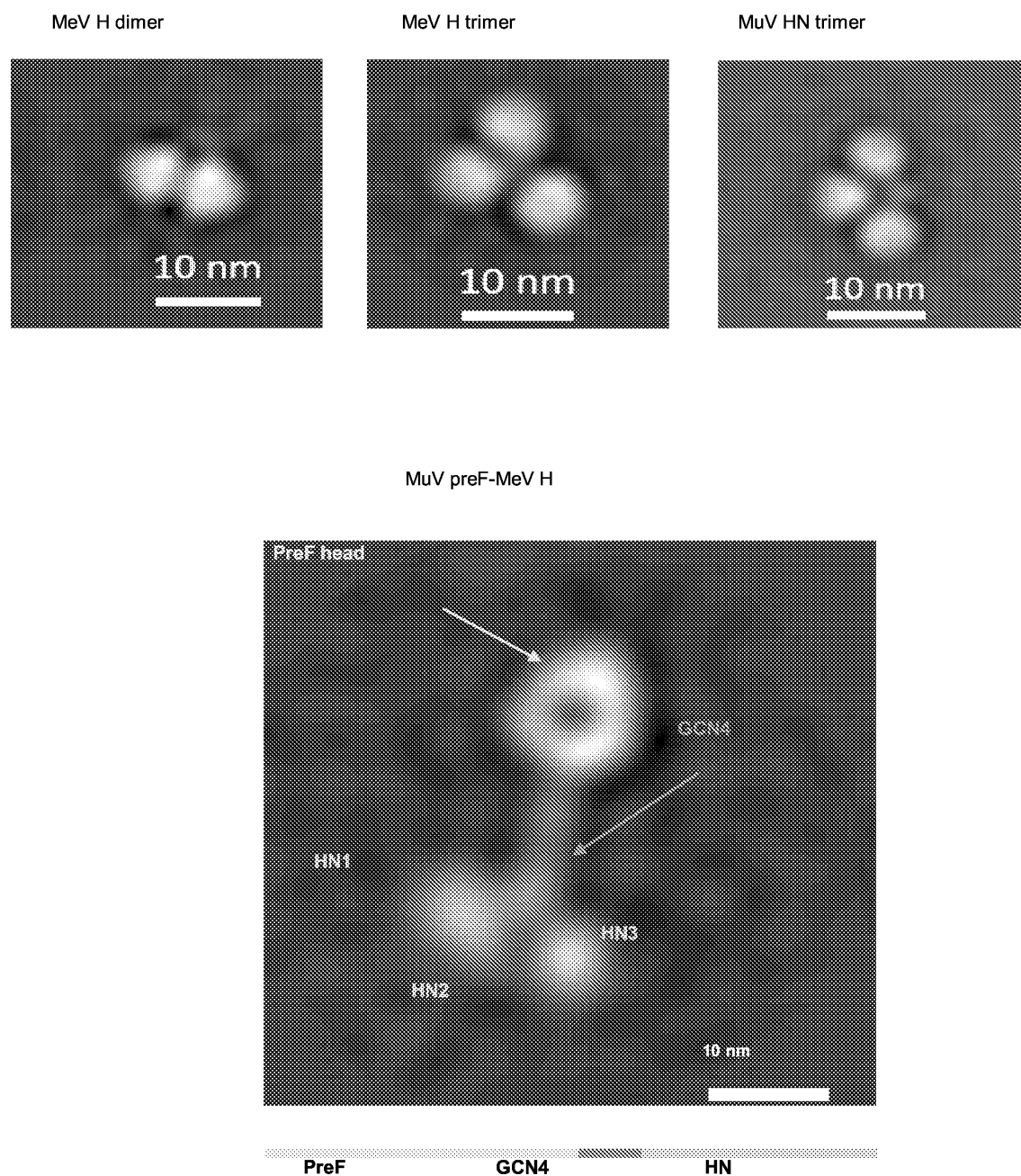
FIG. 6A

FIG. 6B

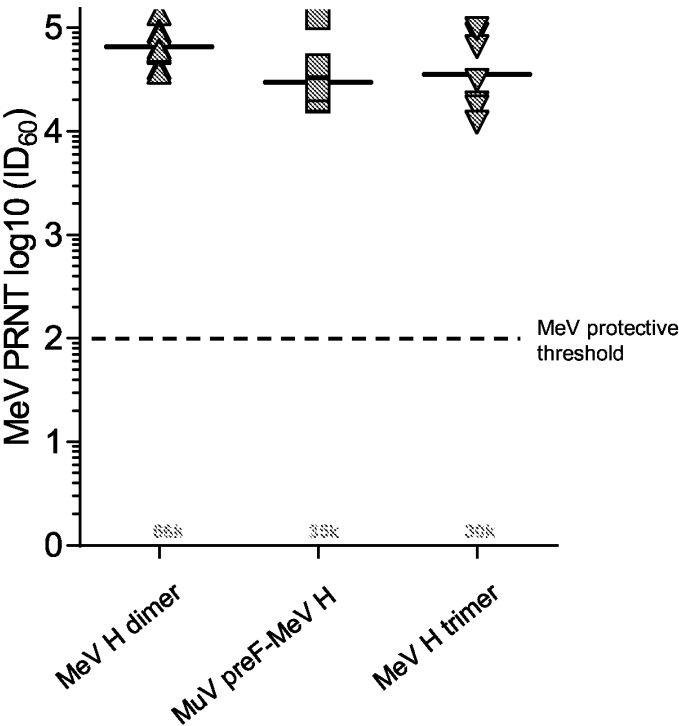


FIG. 6C

