```
HumanPH20          MGVLKFKHIFFRSFVKSSGVSQIVFTFLLIPCCLTLNFRAPPVIPNVPFLWAWNAPSEFC 60
ChimpanzeePH20     MGVLKFKHIFFRSFVKSSGVSQIVFTFLLIPCCLTLNFRAPPVIPNVPFLWAWNAPSEFC 60
                   ************************************************************

HumanPH20          LGKFDEPLDMSLFSFIGSPRINATGQGVTIFYVDRLGYYPYIDSITGVTVNGGIPQKISL 120
ChimpanzeePH20     LGKFDEPLDMSLFSFIGSPRINVTGQDVTIFYVDRLGYYPYIDSITGVTVNGGIPQKISL 120
                   ************************************************************

HumanPH20          QDHLDKAKKDITFYMPVDNLGMAVIDWEEWRPTWARNWKPKDVYKNRSIELVQQQNVQLS 180
ChimpanzeePH20     QDHLDKAKKDITFYMPVDNLGMAVIDWEEWRPTWARNWKPKDVYKNRSIELVQQQNVQLS 180
                   ************************************************************

HumanPH20          LTEATEKAKQEFEKAGKDFLVETIKLGKLLRPNHLWGYYLFPDCYNHHYKKPGYNGSCFN 240
ChimpanzeePH20     LTEATEKAKQEFEKAGKDFLVETIKLGKLLRPNHLWGYYLFPDCYNHHYKKPGYNGSCFN 240
                   ************************************************************

HumanPH20          VEIKRNDDLSWLWNESTALYPSIYLNTQQSPVAATLYVRNRVREAIRVSKIPDAKSPLPV 300
ChimpanzeePH20     VEIKRNDDLSWLWNESTALYPSIYLNTQQSPVAATLYVRNRVQEAIRVSKIPDAKSPLPV 300
                   ************************************************************

HumanPH20          FAYTRIVFTDQVLKFLSQDELVYTFGETVALGASGIVIWGTLSIMRSMKSCLLLDNYMET 360
ChimpanzeePH20     FVYTRIVFTDQVLKFLSQDELVYTFGETVALGASGIVIWGTLSIMRSMKSCLLLDNYMET 360
                   * ************************************************************

HumanPH20          ILNPYIINVTLAAKMCSQVLCQEQGVCIRKNWNSSDYLHLNPDNFAIQLEKGGKFTVRGK 420
ChimpanzeePH20     ILNPYIINVTLAAKMCSQVLCQEQGVCIRKNWNSSDYLHLNPDNFAIQLEKGGKFTVRGK 420
                   ************************************************************

HumanPH20          PTLEDLEQFSEKFYCSCYSTLSCKEKADVKDTDAVDVCIADGVCIDAFLKPPMETEEPQI 480
ChimpanzeePH20     PTLEDLEQFSEKFYCSCYSTLSCKEKADVKDTDAVDVCIADGVCIDAFLKPPMETEESQI 480
                   ************************************************************

HumanPH20          FYNASPSTLSATMFI-VSILFLIISSVASL 509
ChimpanzeePH20     FYNASPSTLSATMFIDLCDLYLVPTSYLIL 510
                   ********************  :  *:*: :*   *
```

FIG. 1

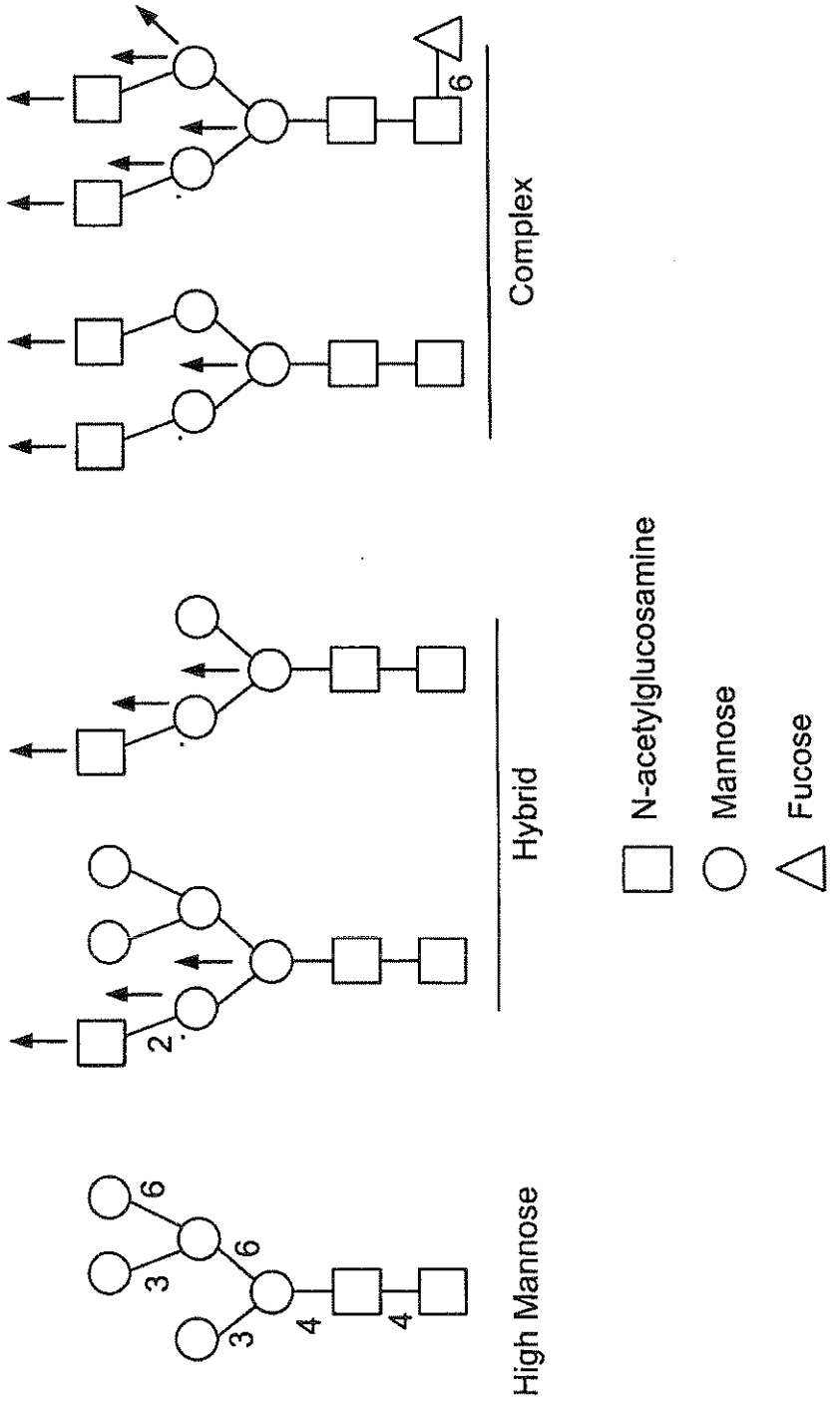

Complex
Hybrid
High Mannose
N-acetylglucosamine
Mannose
Fucose
6
2
3
6
3
4
4

FIG. 2

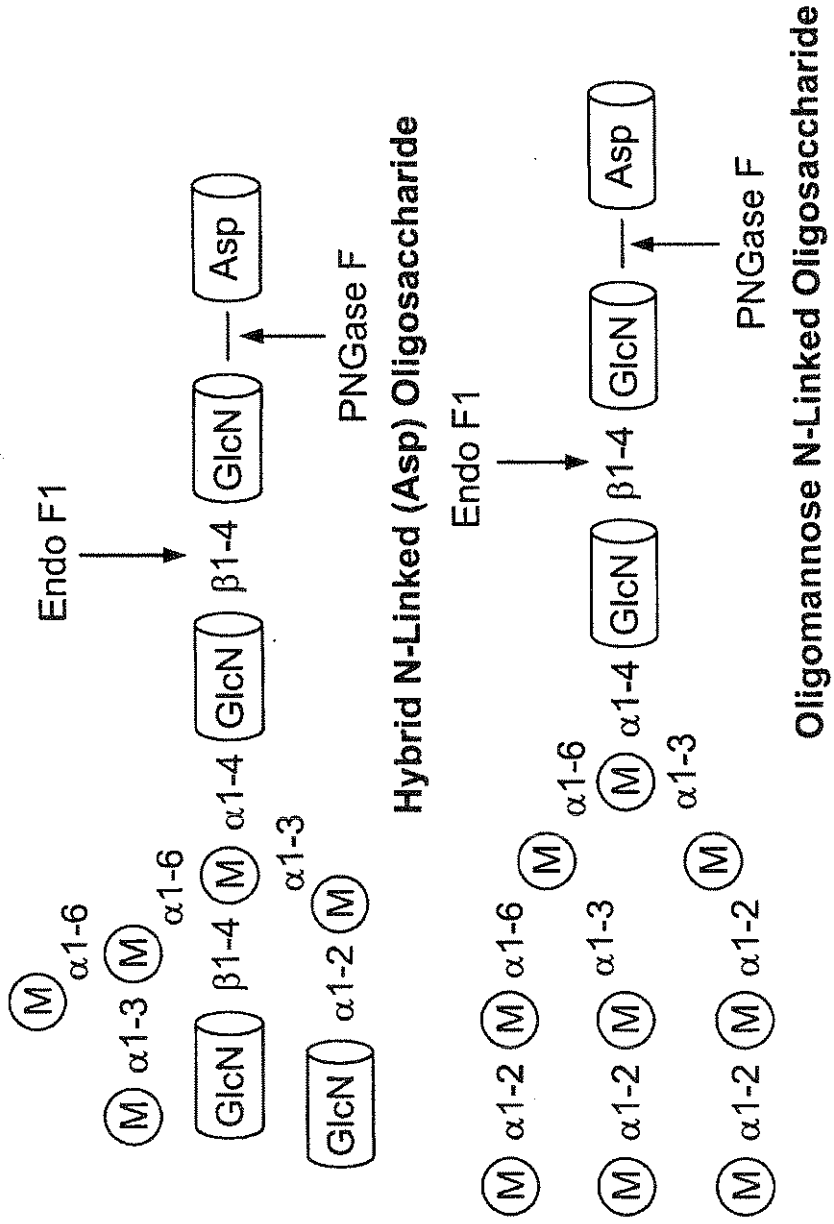

Endo F1
PNGase F
Hybrid N-Linked (Asp) Oligosaccharide
Endo F1
PNGase F
Oligomannose N-Linked Oligosaccharide
GlcN
Asp
M
α1-6
α1-3
β1-4
α1-2
α1-4

FIG. 3A

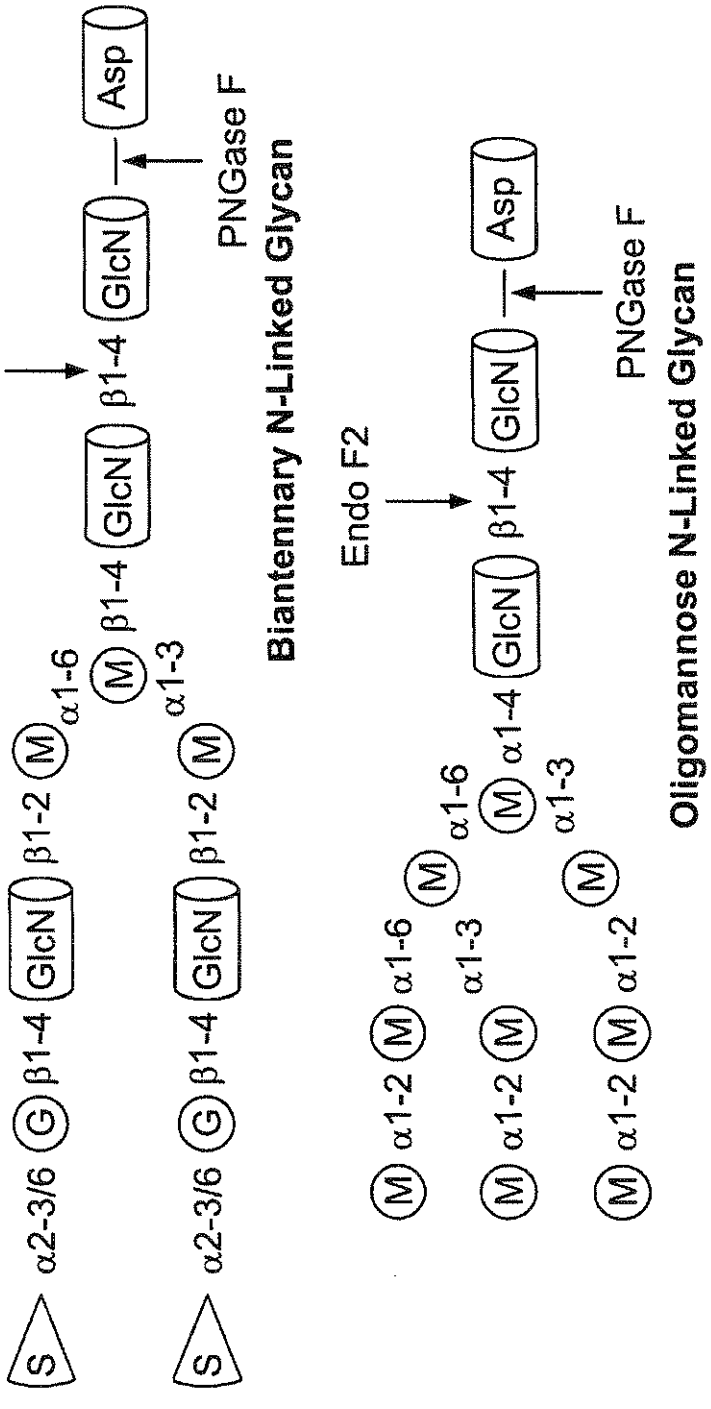

Endo F2
PNGase F
Biantennary N-Linked Glycan
S
α2-3/6
G
β1-4
GlcN
β1-2
M
α1-6
α1-3
β1-4
GlcN
GlcN
Asp
Endo F2
PNGase F
Oligomannose N-Linked Glycan
α1-2
α1-6
α1-3
α1-4
β1-4
GlcN
GlcN
Asp

FIG. 3B

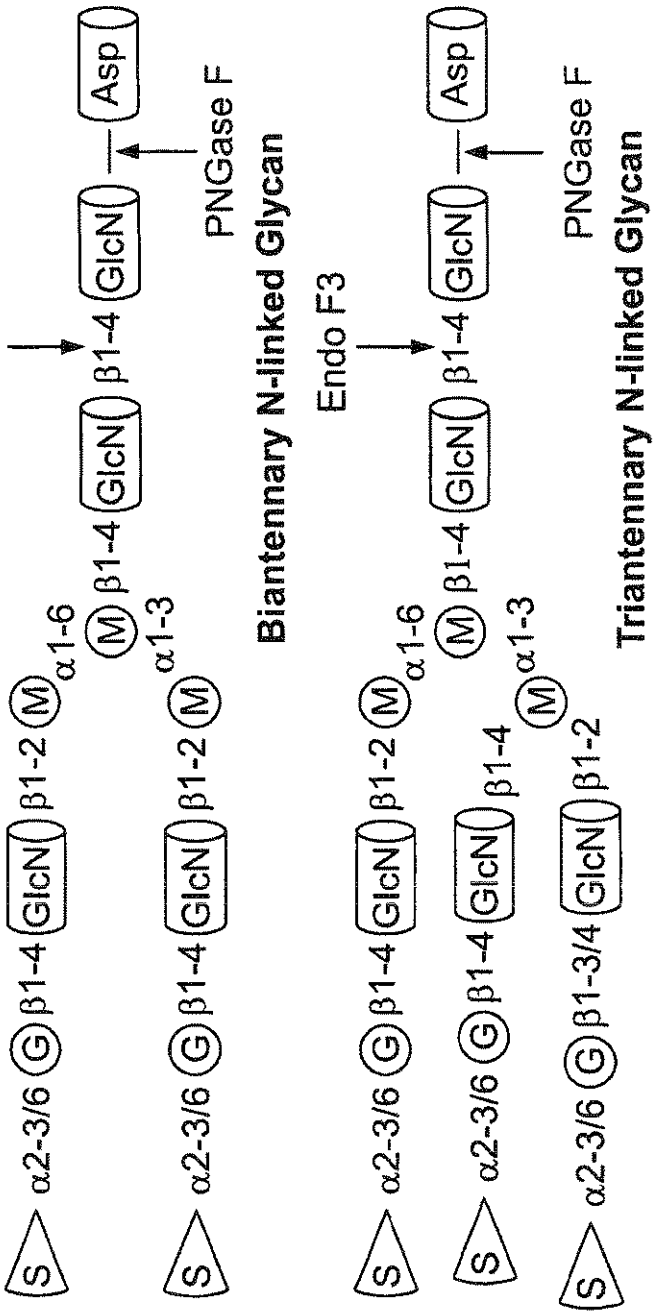

Endo F3
PNGase F
Biantennary N-linked Glycan
Triantennary N-linked Glycan
S
G
M
GlcN
Asp
α2-3/6
β1-4
β1-2
β1-3/4
α1-6
α1-3

FIG. 3C

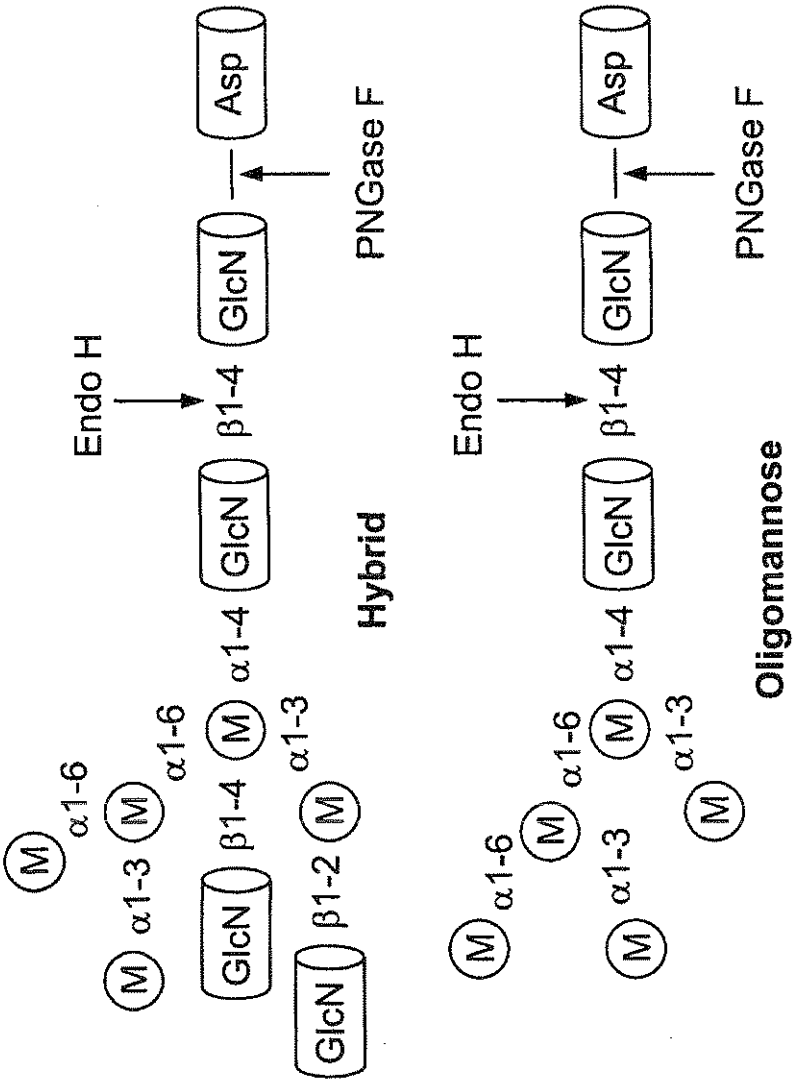

Endo H
PNGase F
Asp
GlcN
β1-4
α1-4
α1-6
α1-3
β1-2
M
Hybrid
Oligomannose

FIG. 3D