```
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

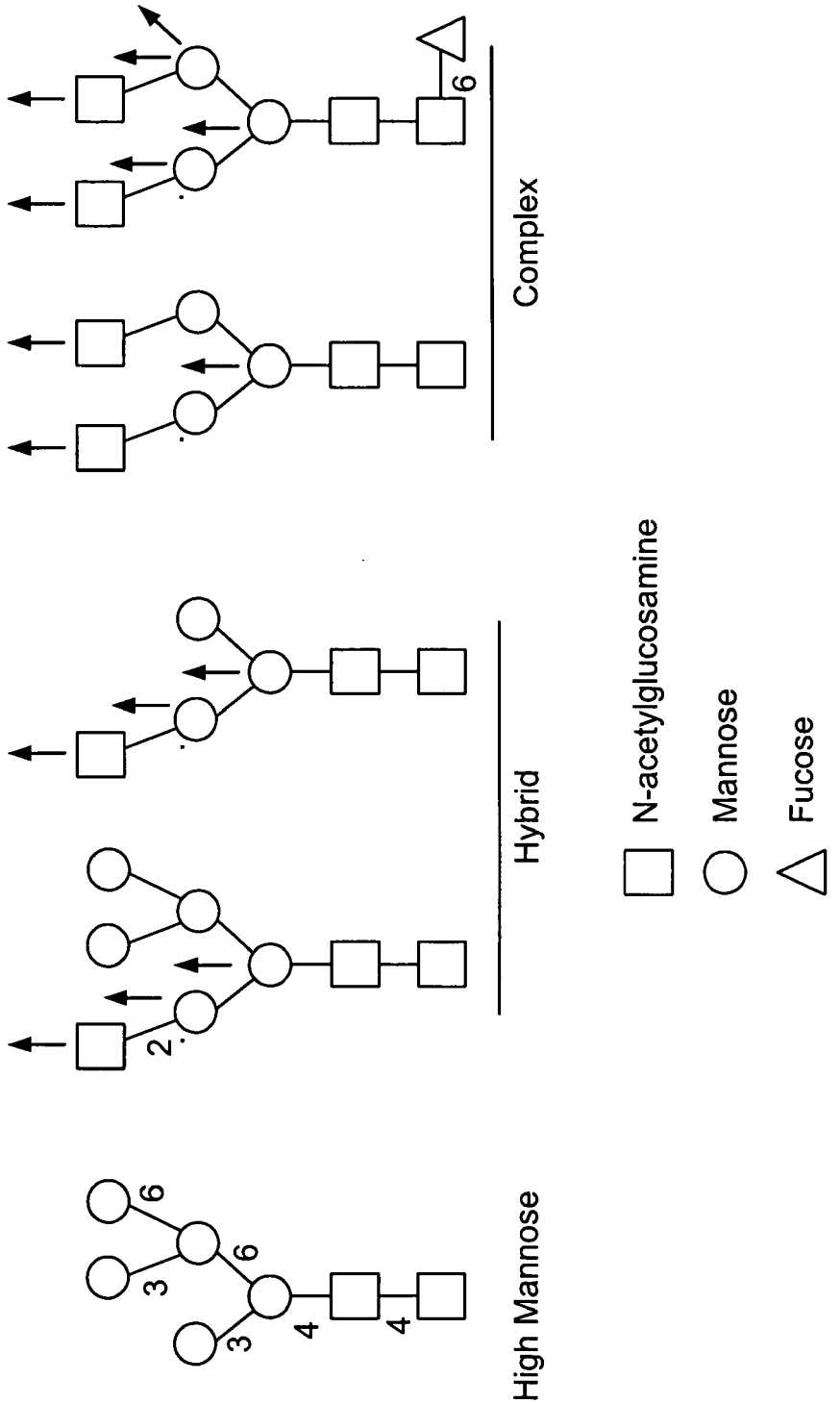

Complex
Hybrid
High Mannose
N-acetylglucosamine
Mannose
Fucose
2
3
4
6

FIG. 2

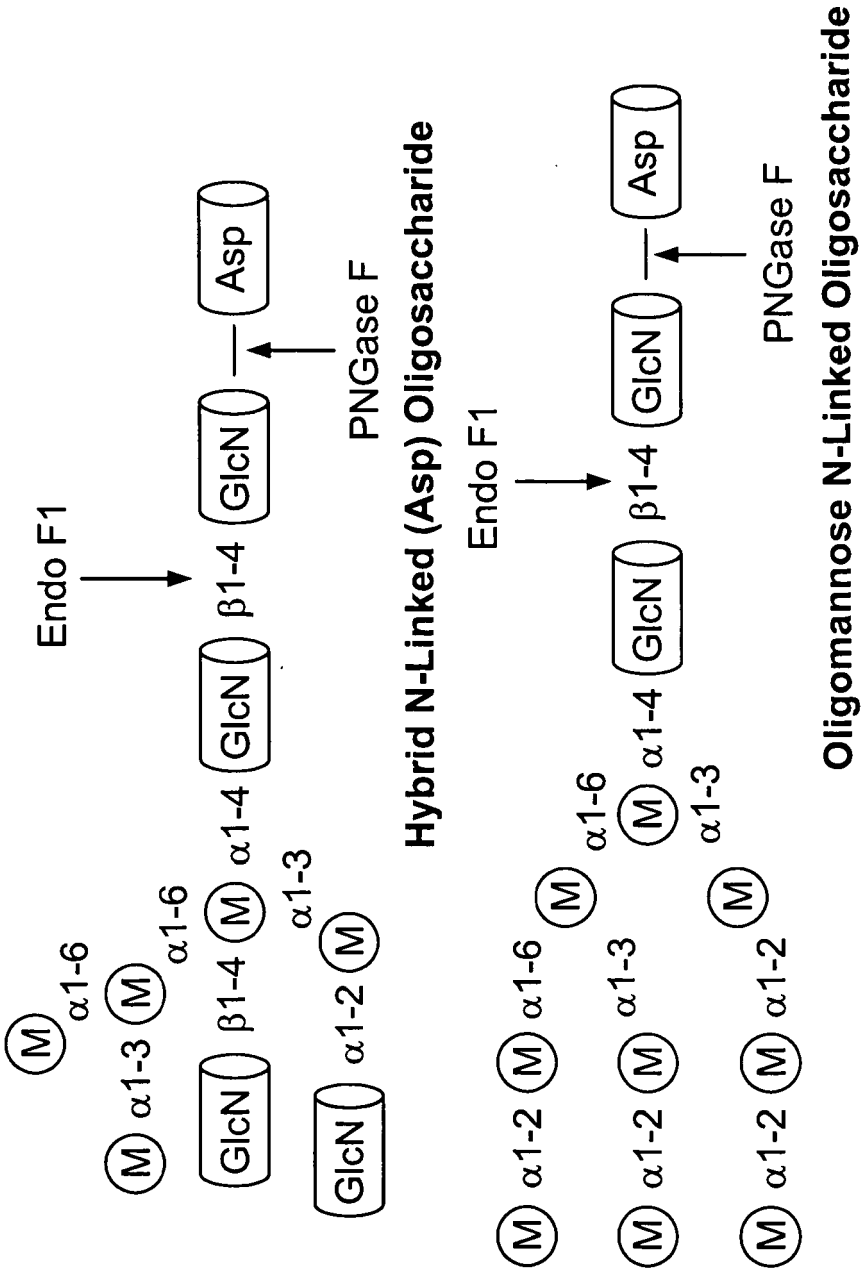

Endo F1
PNGase F
Hybrid N-Linked (Asp) Oligosaccharide
Oligomannose N-Linked Oligosaccharide
GlcN
Asp
M
α1-6
α1-3
α1-2
α1-4
β1-4

FIG. 3A

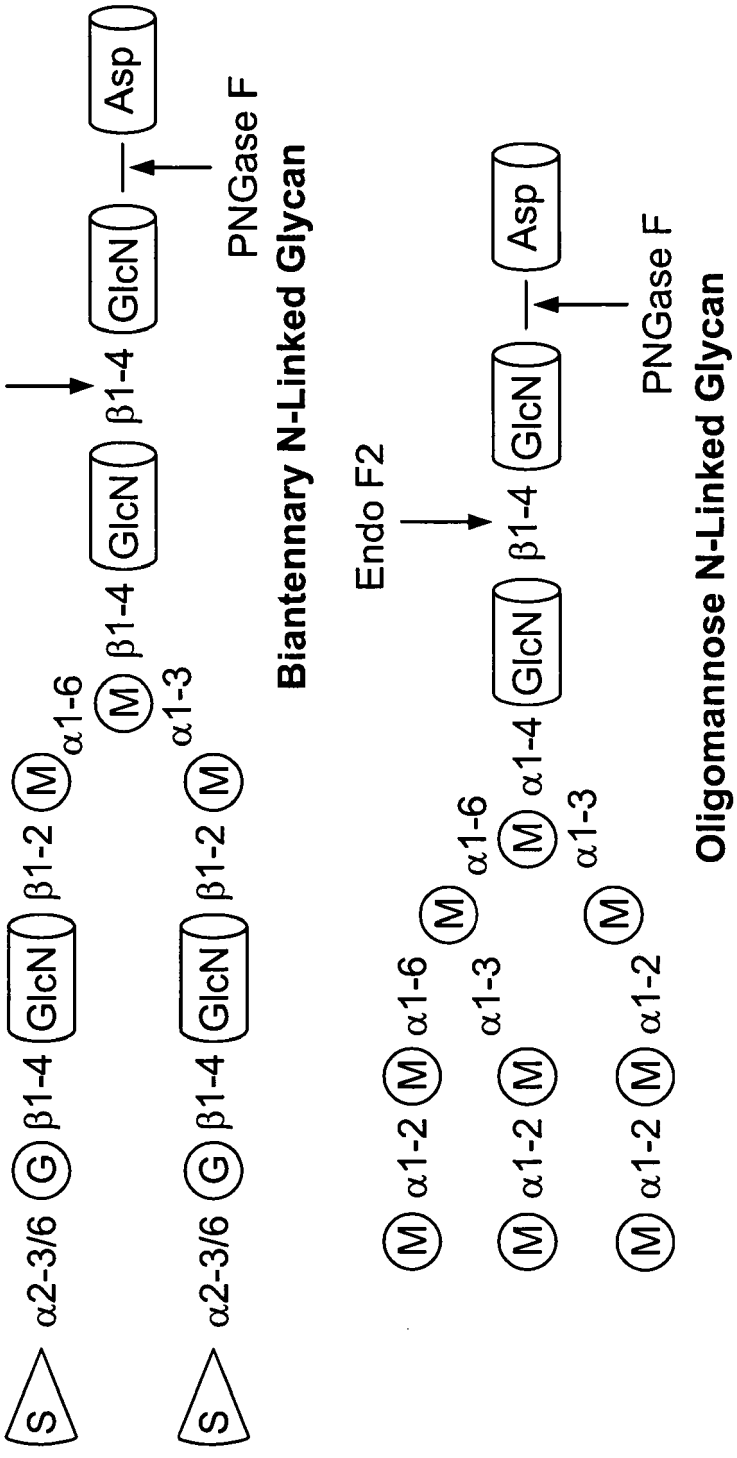

Endo F2
PNGase F
Biantennary N-Linked Glycan
S
α2-3/6
G
β1-4
GlcN
β1-2
M
α1-6
α1-3
β1-4
GlcN
Asp
Endo F2
PNGase F
Oligomannose N-Linked Glycan
α1-2
α1-6
α1-3
α1-4
β1-4
GlcN
Asp

FIG. 3B

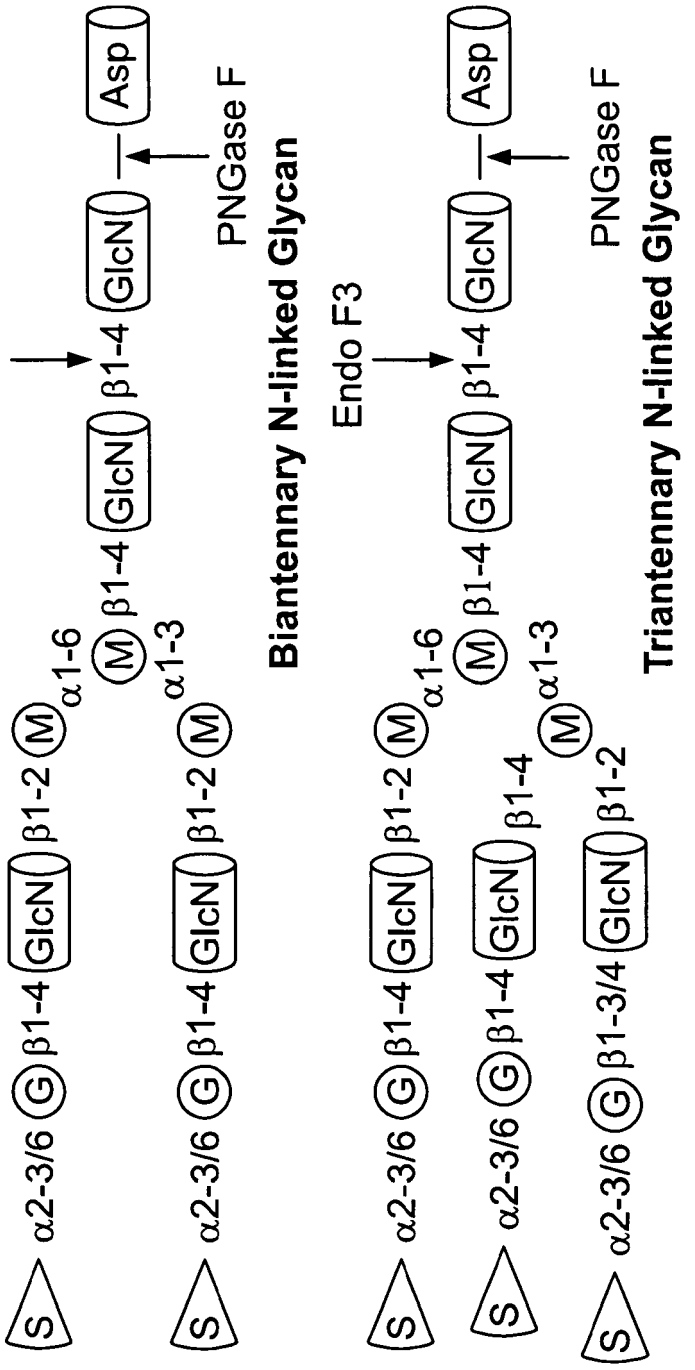

Endo F3
PNGase F
Biantennary N-linked Glycan
Triantennary N-linked Glycan
S
α2-3/6
G
β1-4
GlcN
β1-2
M
α1-6
α1-3
β1-3/4
β1-2
Asp

FIG. 3C

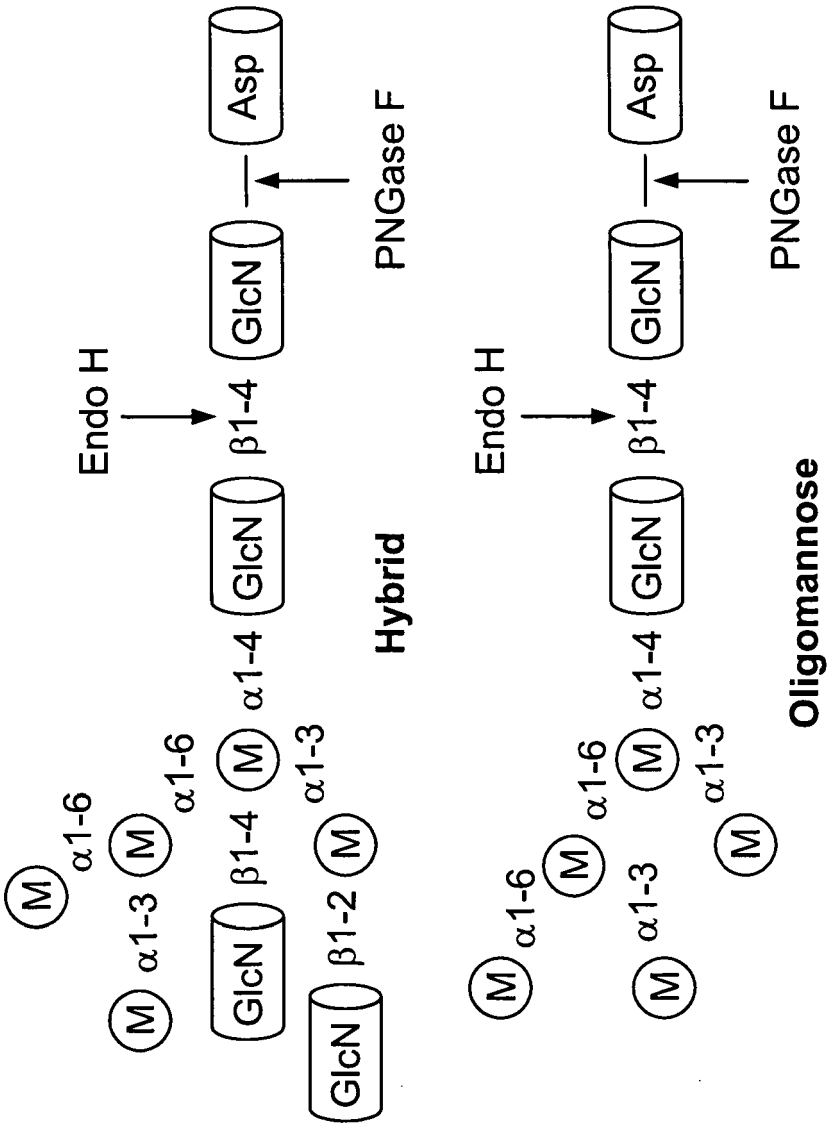

Endo H
PNGase F
Asp
GlcN
β1-4
α1-4
α1-6
α1-3
β1-2
M
Hybrid
Oligomannose

FIG. 3D