

FIG. 1A

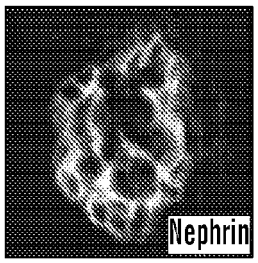


FIG. 1B

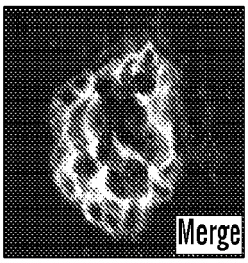


FIG. 1C

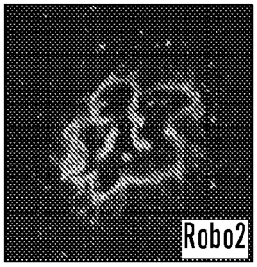


FIG. 1D



FIG. 1E

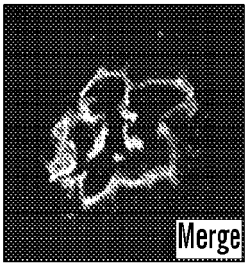


FIG. 1F

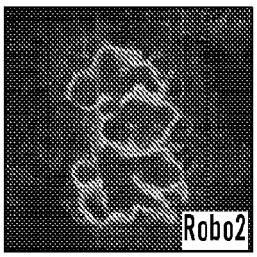


FIG. 1G

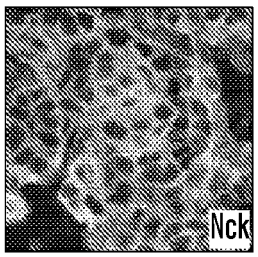


FIG. 1H

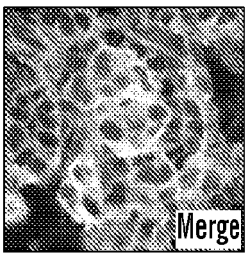


FIG. 1I

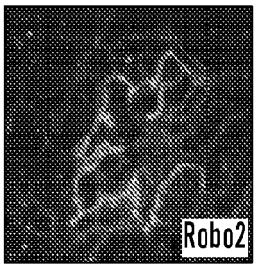


FIG. 1J

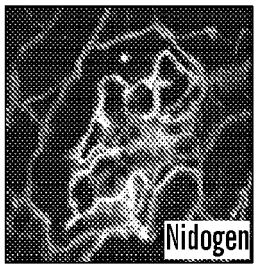


FIG. 1K

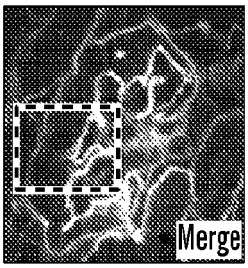


FIG. 1L

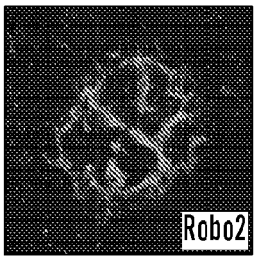


FIG. 1M

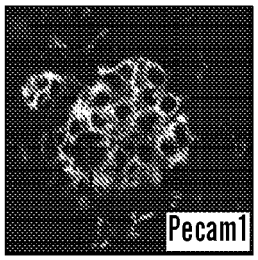


FIG. 1N

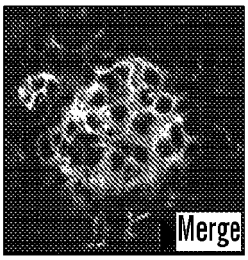


FIG. 1O

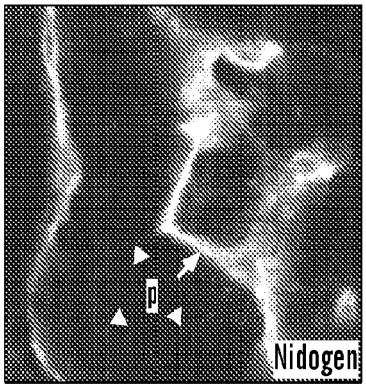


FIG. 1P

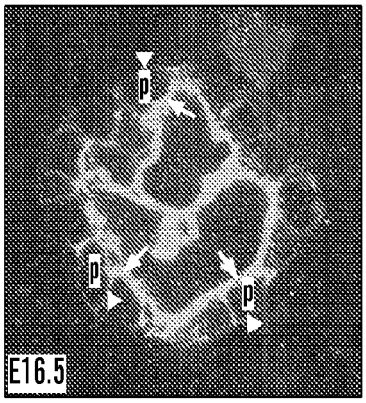


FIG. 1Q

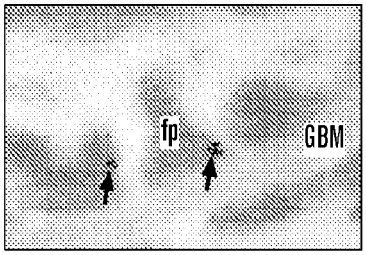


FIG. 1R

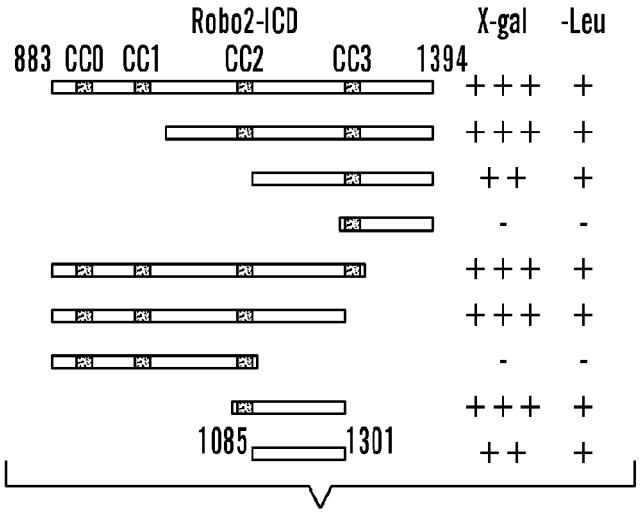


FIG. 2A

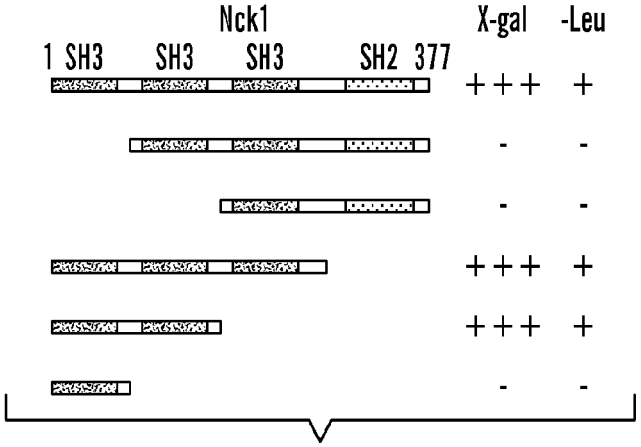
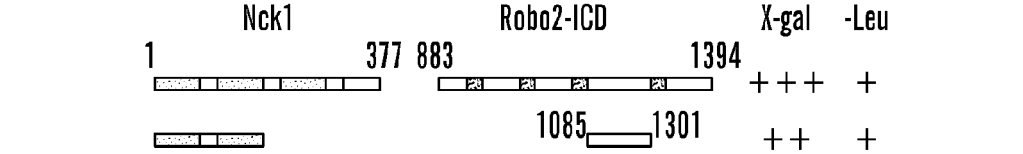


FIG. 2B



TELEHYAVEQQENGYQSDSWCPPLPVQTYLHQGLEDELEEDDDRVPTPPVRGVASSPA
ISFGQQSTATLTPSPREEMQPMLQAHLDELTRAYQFDIAKQTWHIQSNNQPPQPPVPPL
GYVSGALISDLETDVADDDADDEEEALEIPRPLRALDQTPGSSMDNLDSSVTGKAFTSS
QRPRPTSPFSTDSNTSAALSQSQRPRPTKHKGGRMDQQPA

FIG. 2C

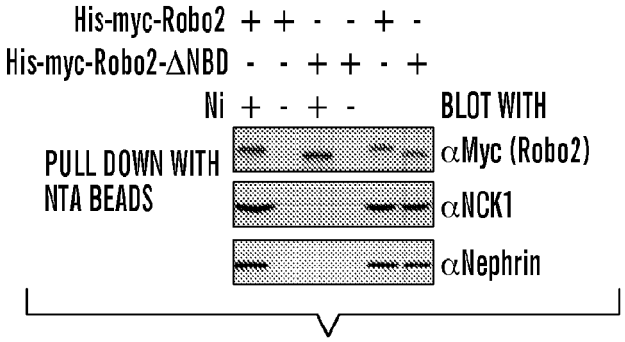


FIG. 2D

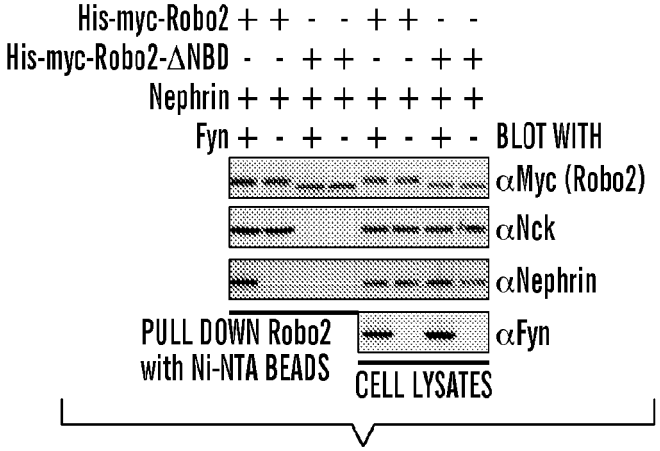


FIG. 2E

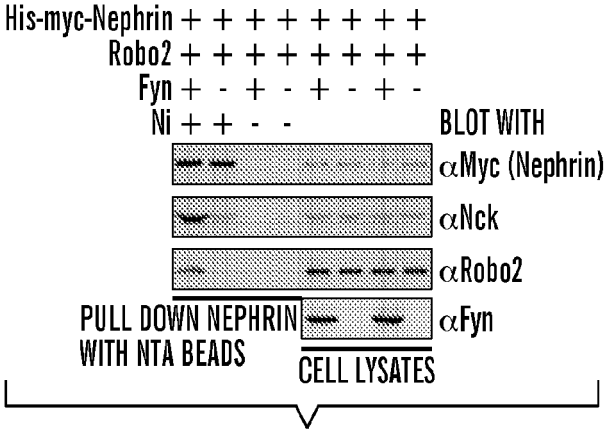


FIG. 2F

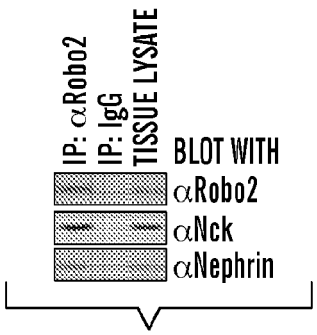


FIG. 2G

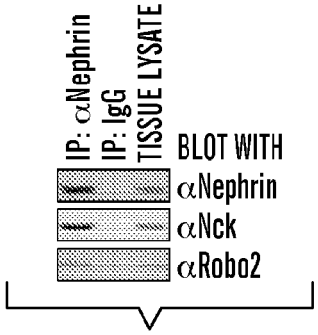


FIG. 2H

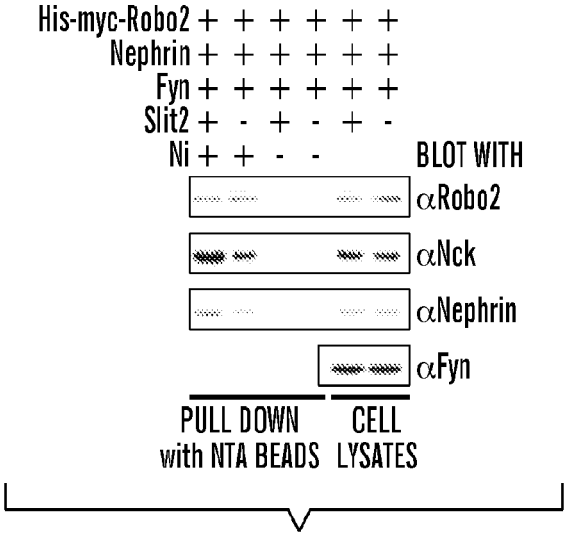


FIG. 2I

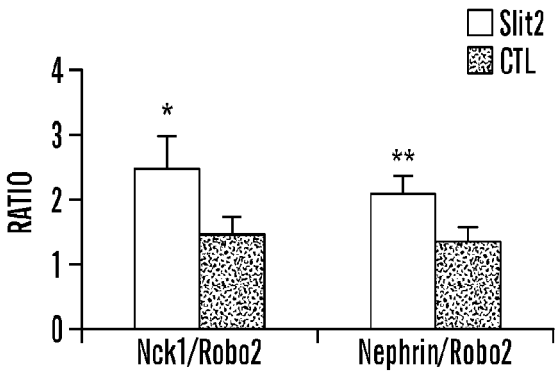


FIG. 2J

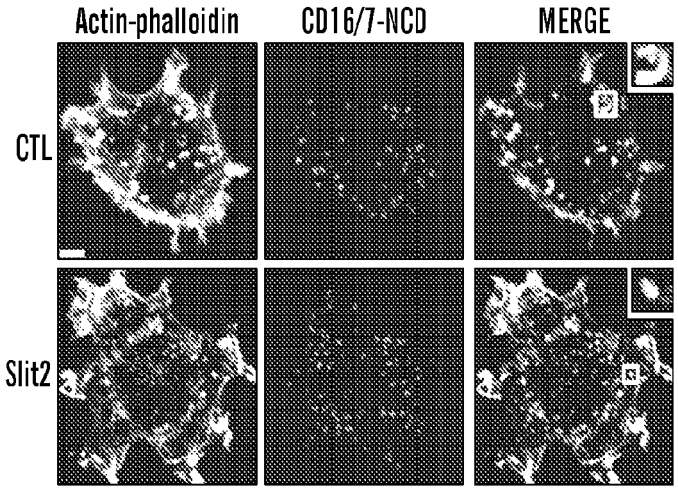


FIG. 3A

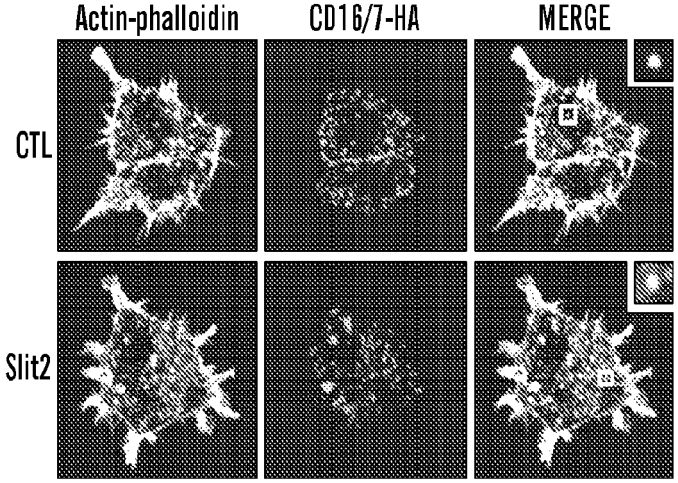


FIG. 3B

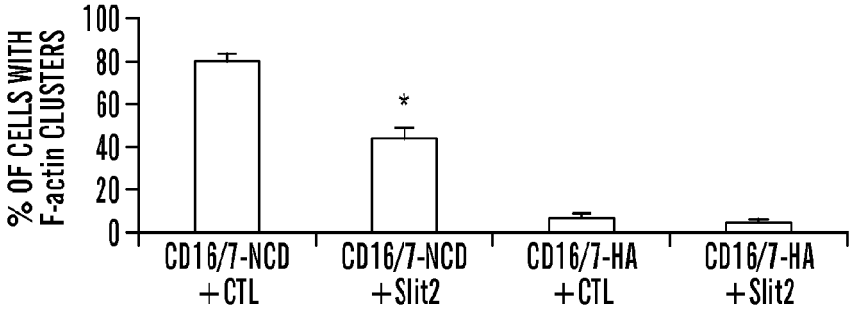


FIG. 3C

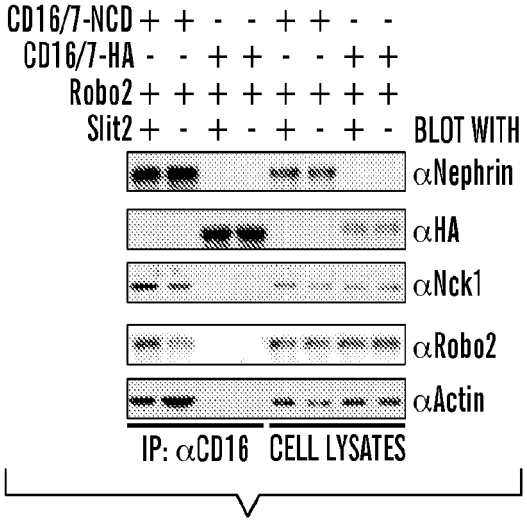


FIG. 3D

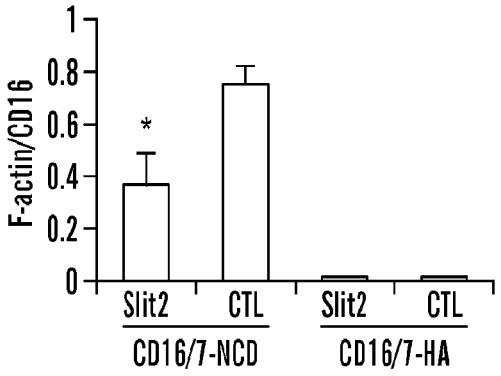


FIG. 3E

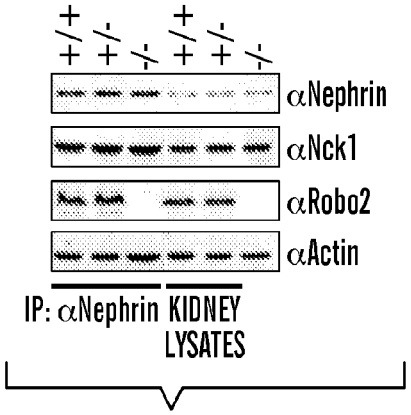


FIG. 3F

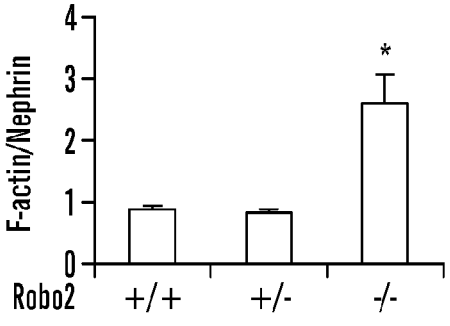


FIG. 3G

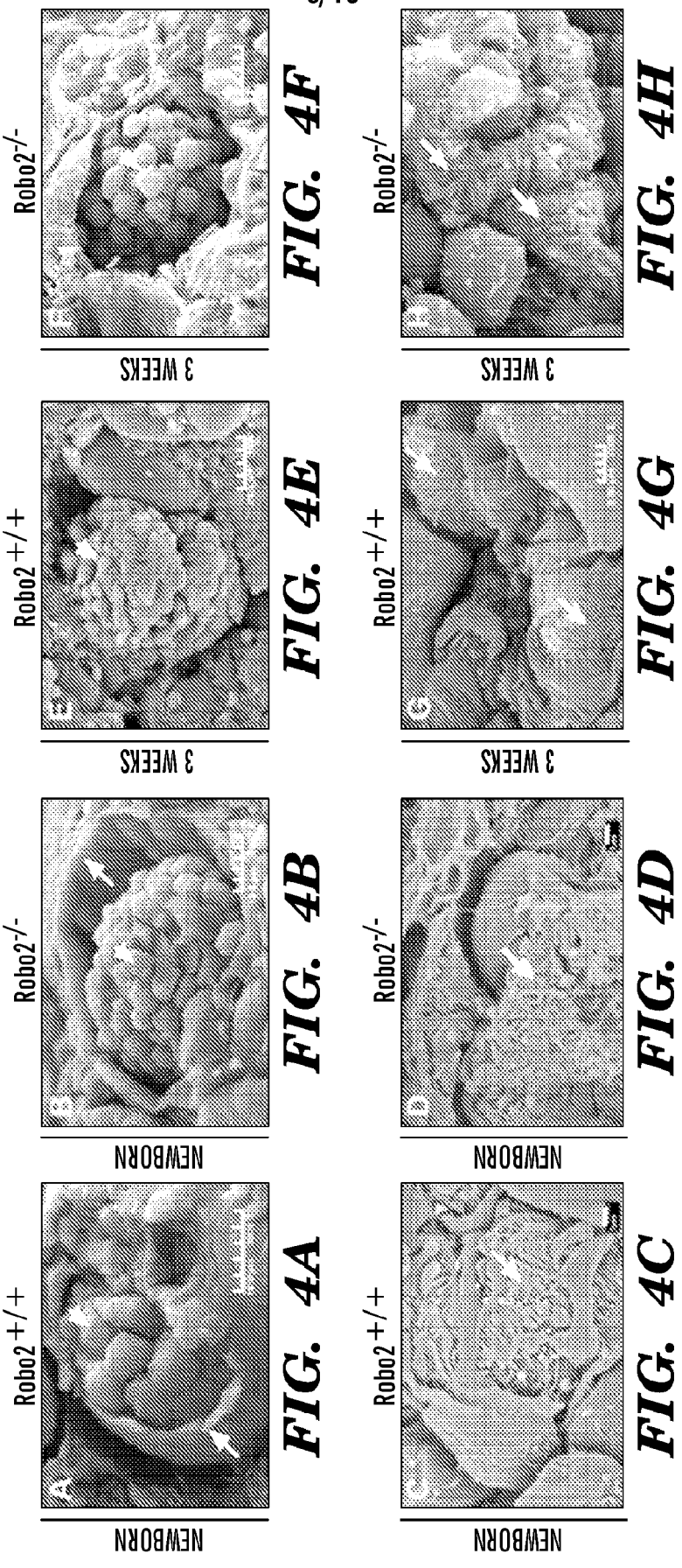


FIG. 4A FIG. 4B FIG. 4C FIG. 4D FIG. 4E FIG. 4F FIG. 4G FIG. 4H

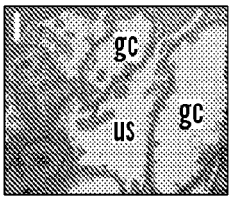


FIG. 4I

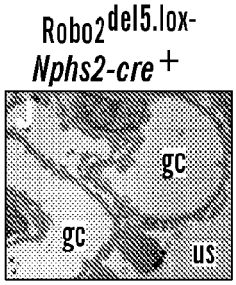


FIG. 4J

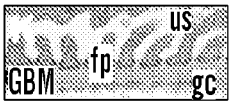


FIG. 4K

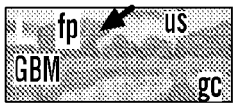


FIG. 4L

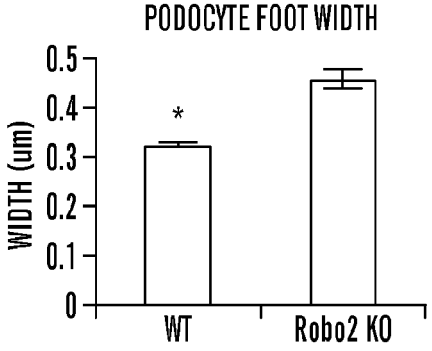


FIG. 4M

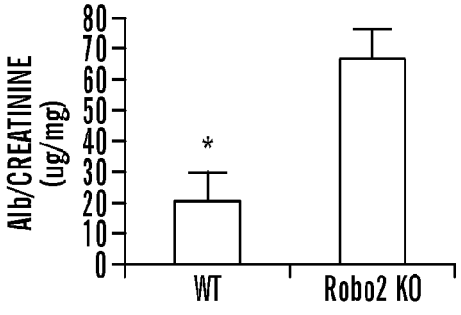


FIG. 4N

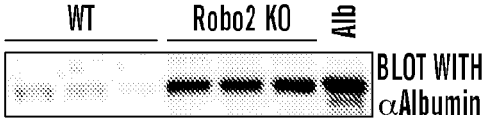
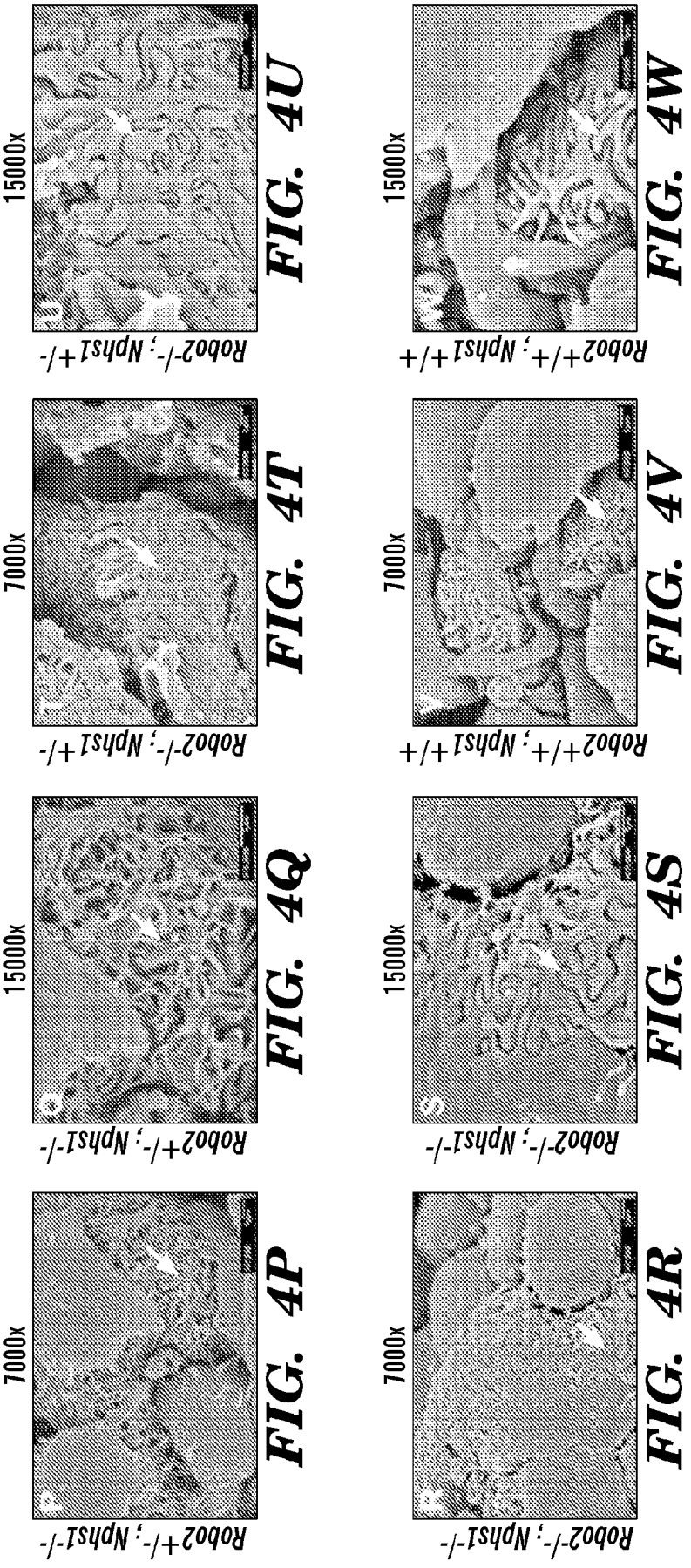


FIG. 4O


15000x
Robo2-/-; Nphs1+/-
FIG. 4U
15000x
Robo2+/+; Nphs1+/+
FIG. 4W
7000x
Robo2-/-; Nphs1+/-
FIG. 4T
7000x
Robo2+/+; Nphs1+/+
FIG. 4V
15000x
Robo2+/-; Nphs1-/-
FIG. 4Q
15000x
Robo2-/-; Nphs1-/-
FIG. 4S
7000x
Robo2+/-; Nphs1-/-
FIG. 4P
7000x
Robo2-/-; Nphs1-/-
FIG. 4R

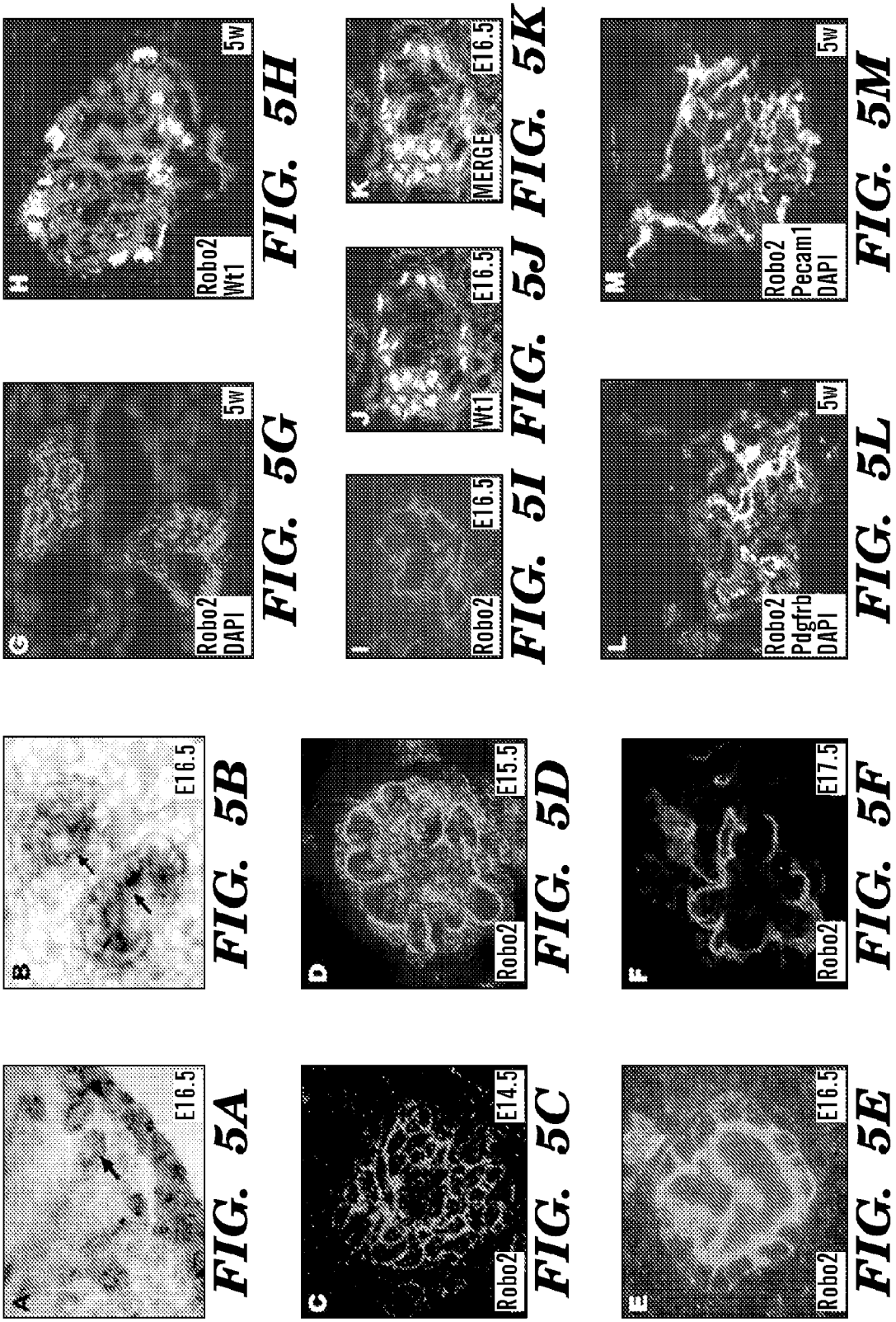


FIG. 5A FIG. 5B FIG. 5C FIG. 5D FIG. 5E FIG. 5F FIG. 5G FIG. 5H FIG. 5I FIG. 5J FIG. 5K FIG. 5L FIG. 5M

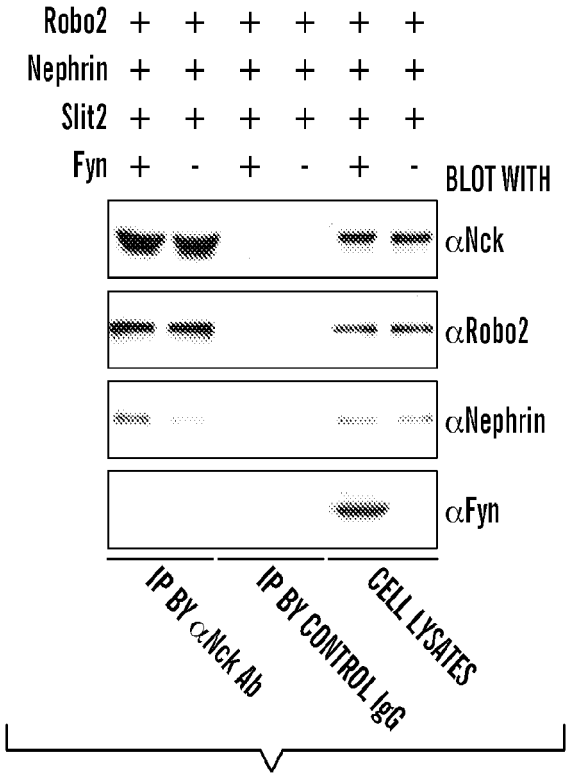


FIG. 6A

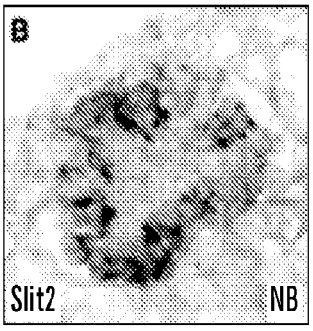


FIG. 6B

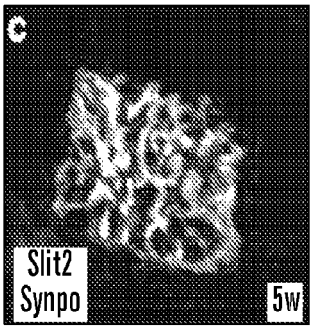


FIG. 6C

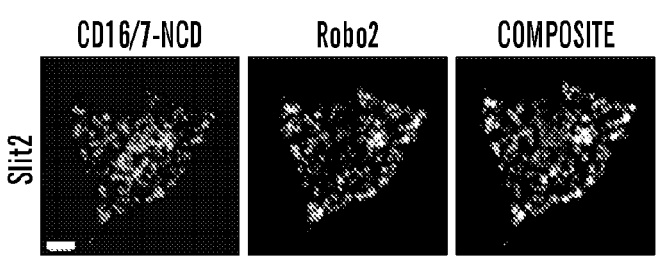


FIG. 6D

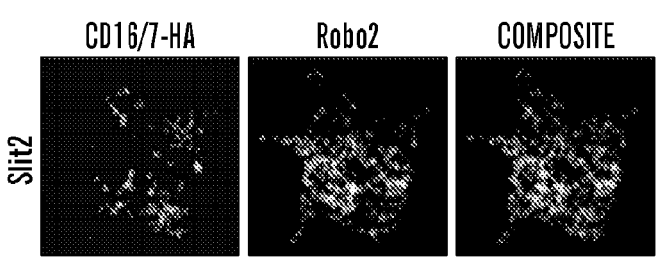


FIG. 6D'

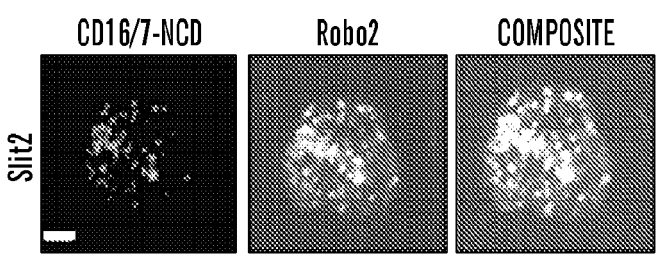


FIG. 6E

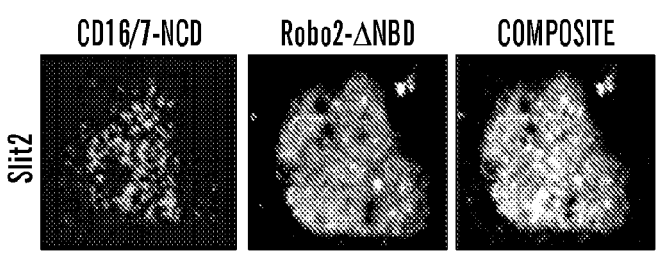


FIG. 6E'

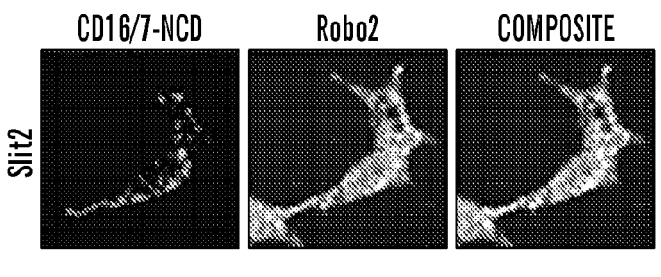


FIG. 6F

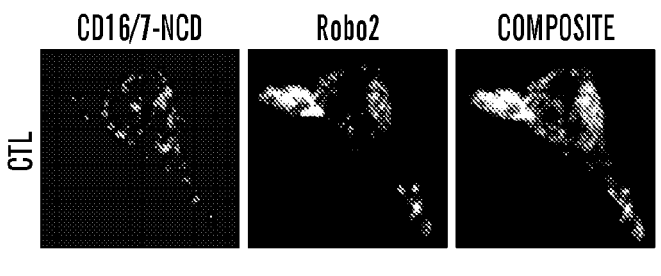


FIG. 6F'

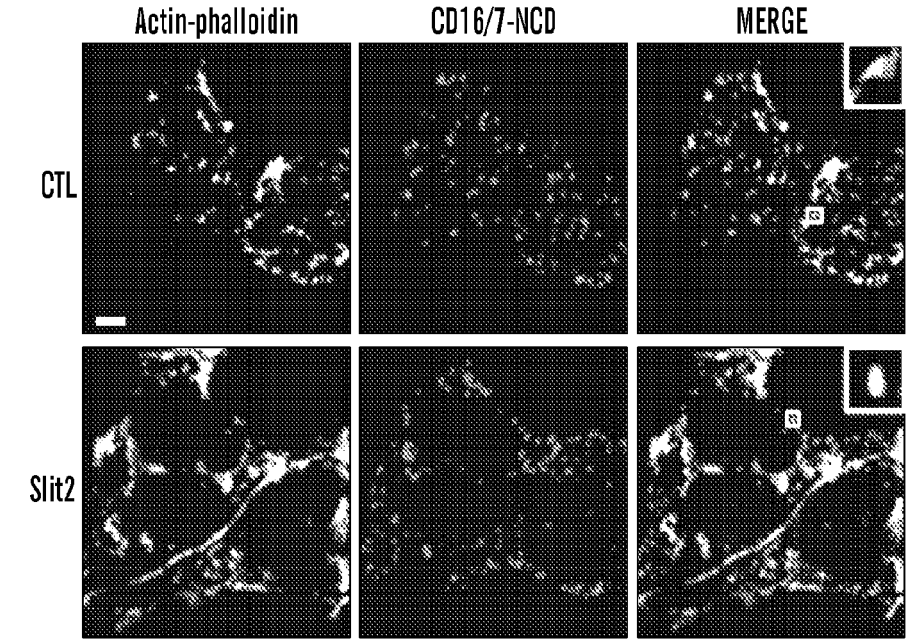

Actin-phalloidin
CD16/7-NCD
MERGE
CTL
Slit2

FIG. 7A

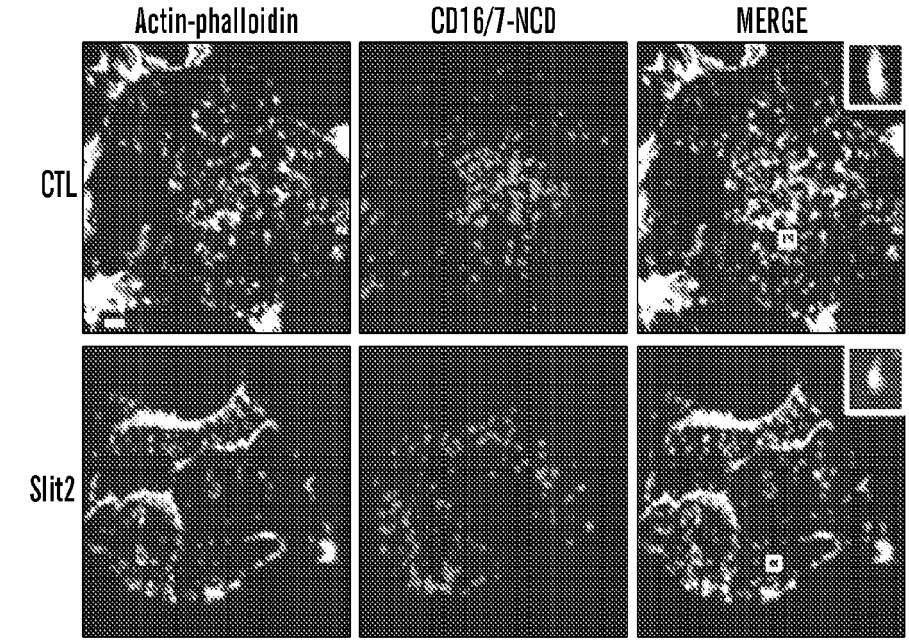

Actin-phalloidin
CD16/7-NCD
MERGE
CTL
Slit2

FIG. 7B

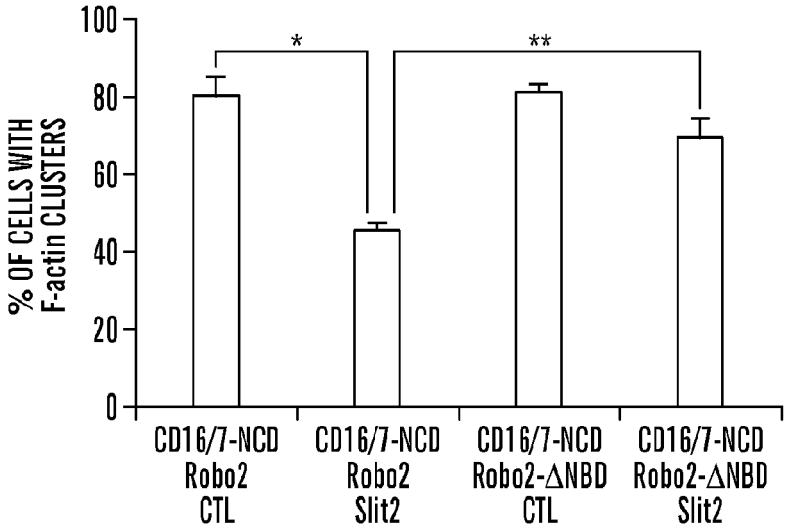


FIG. 7C

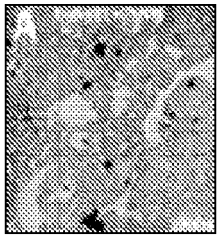


FIG. 8A

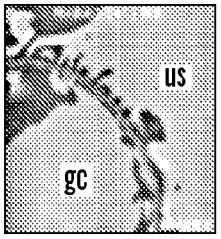


FIG. 8C

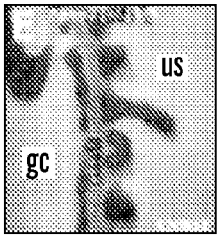


FIG. 8E

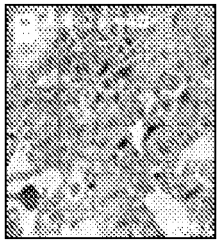


FIG. 8B

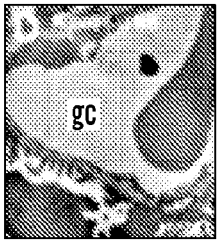


FIG. 8D

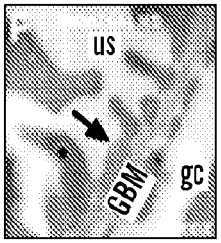


FIG. 8F

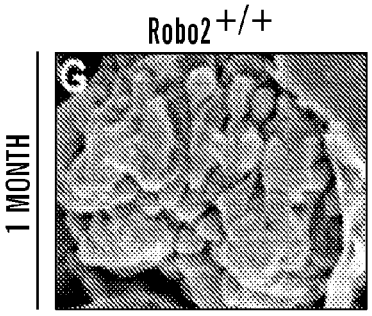


FIG. 8G

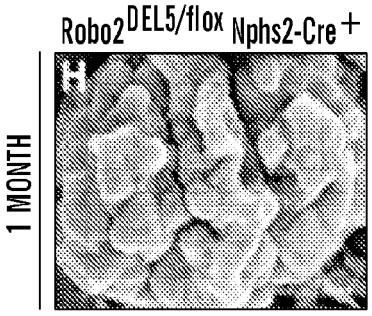


FIG. 8H

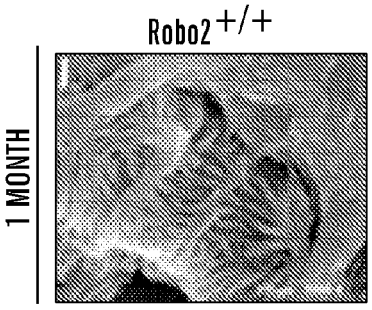


FIG. 8I

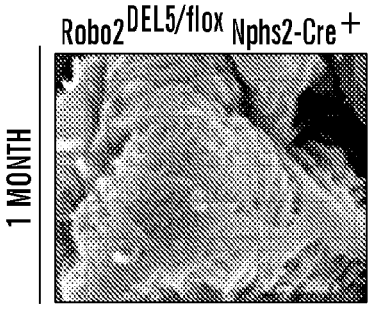


FIG. 8J

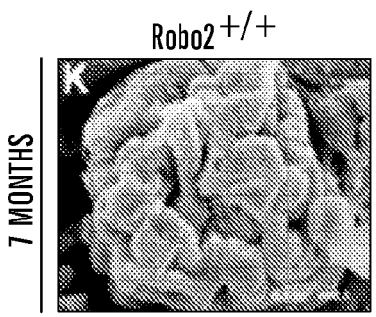


FIG. 8K

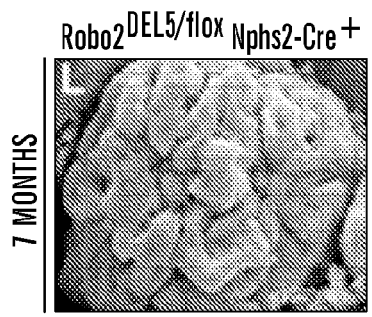


FIG. 8L

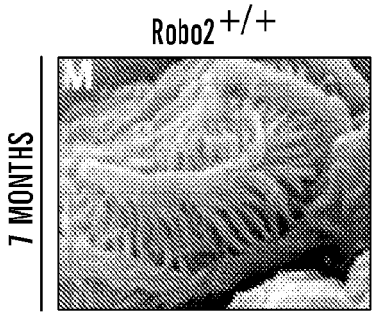


FIG. 8M

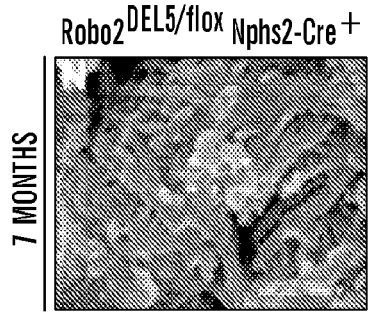


FIG. 8N

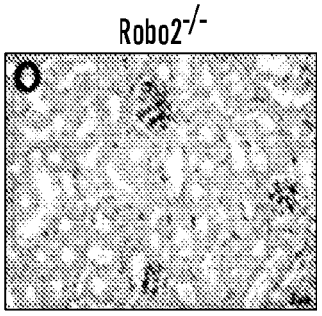


FIG. 8O

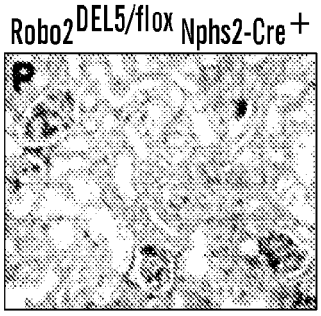


FIG. 8P

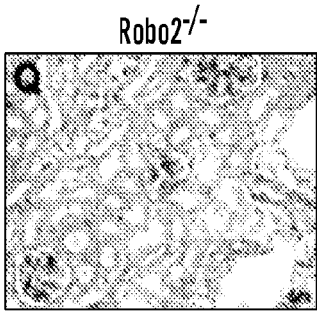


FIG. 8Q

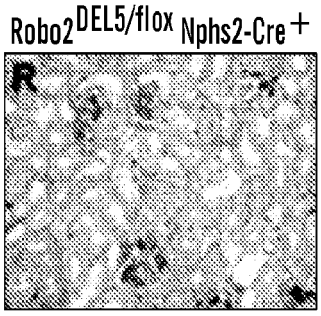


FIG. 8R

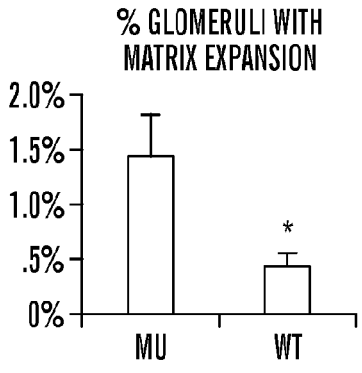


FIG. 8S

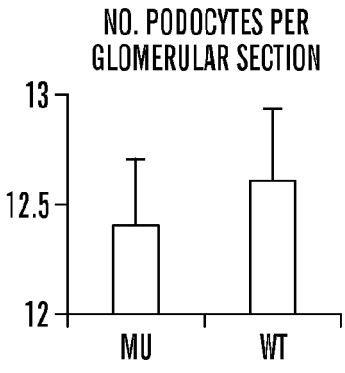


FIG. 8T

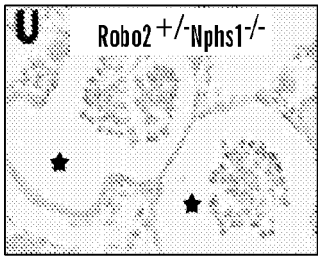


FIG. 8U

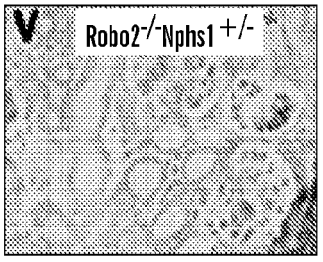


FIG. 8V

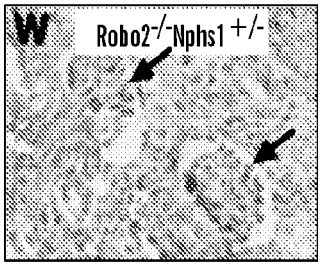


FIG. 8W

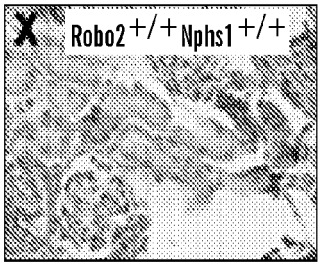


FIG. 8X

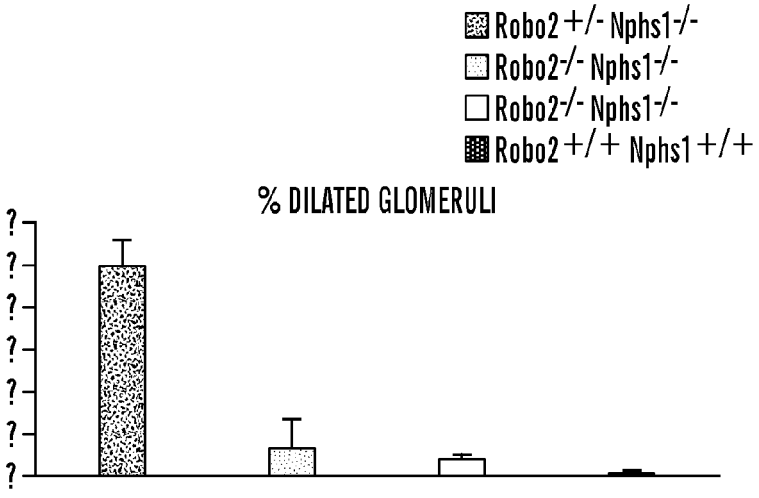


FIG. 8Y

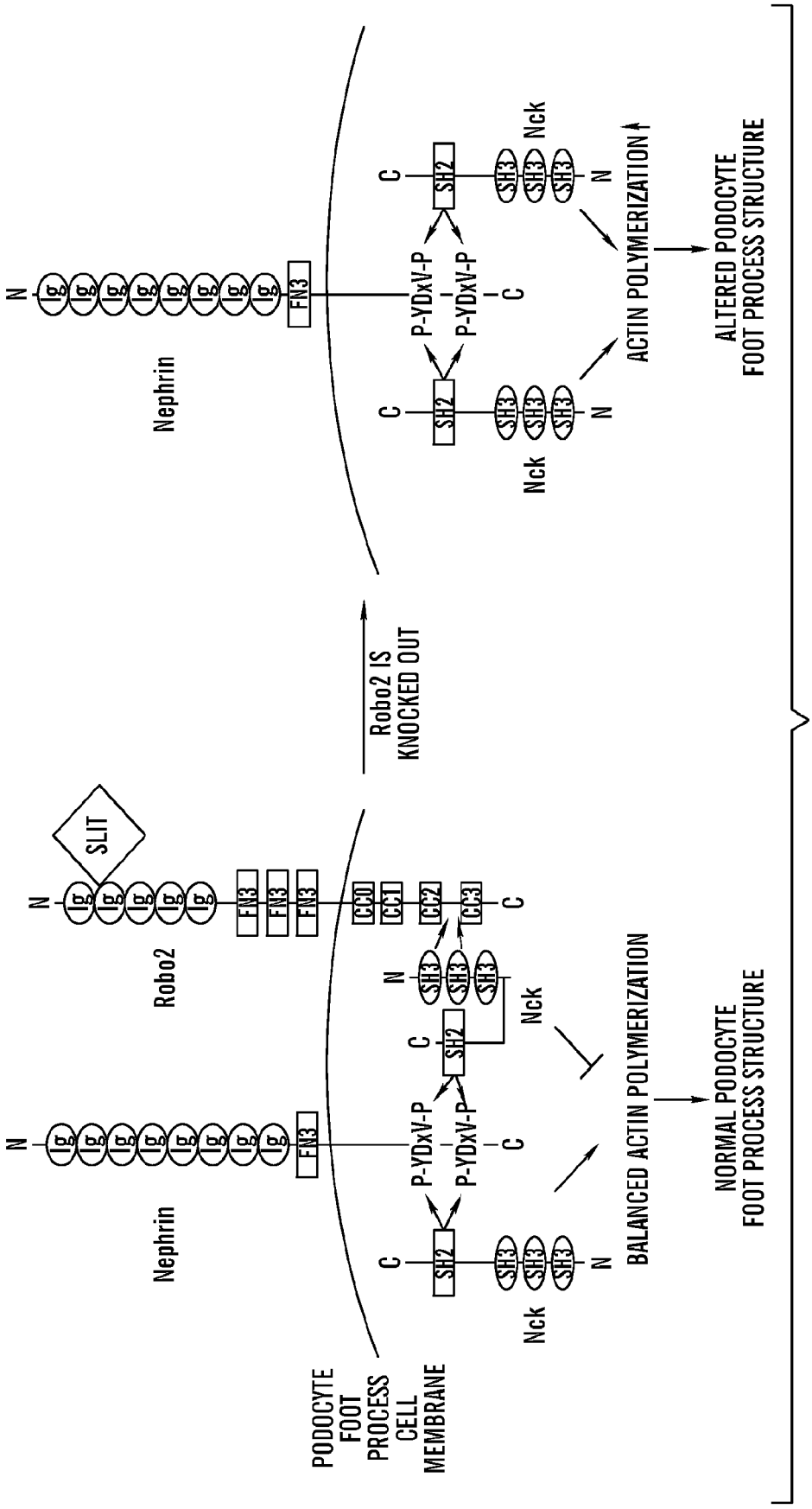

PODOCYTE FOOT PROCESS CELL MEMBRANE
Nephrin
Robo2
SLIT
Robo2 IS KNOCKED OUT
P-YDxV-P
Nck
BALANCED ACTIN POLYMERIZATION
NORMAL PODOCYTE FOOT PROCESS STRUCTURE
ACTIN POLYMERIZATION
ALTERED PODOCYTE FOOT PROCESS STRUCTURE

FIG. 8Z