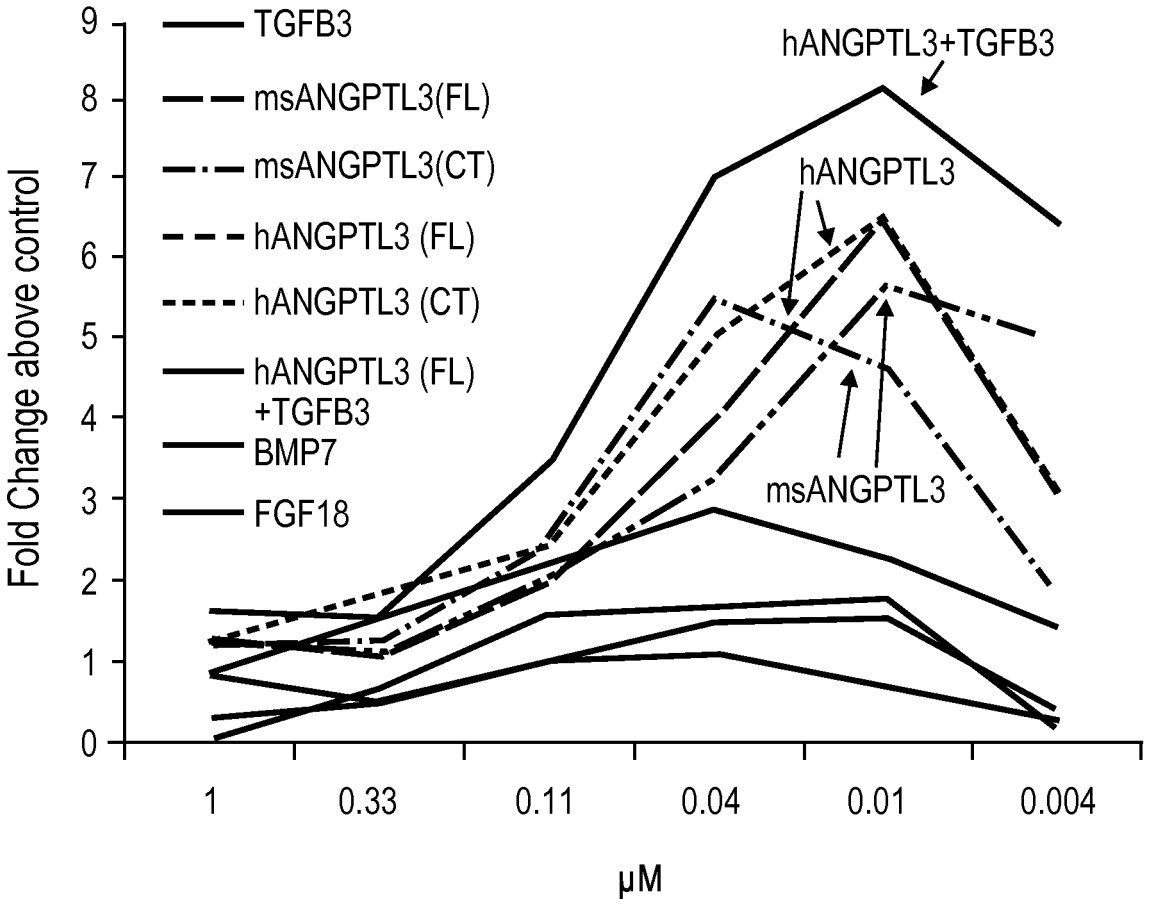

TGFB3
msANGPTL3(FL)
msANGPTL3(CT)
hANGPTL3 (FL)
hANGPTL3 (CT)
hANGPTL3 (FL) +TGFB3
BMP7
FGF18
hANGPTL3+TGFB3
hANGPTL3
msANGPTL3
Fold Change above control
0
1
2
3
4
5
6
7
8
9
1
0.33
0.11
0.04
0.01
0.004
µM

FIG. 1

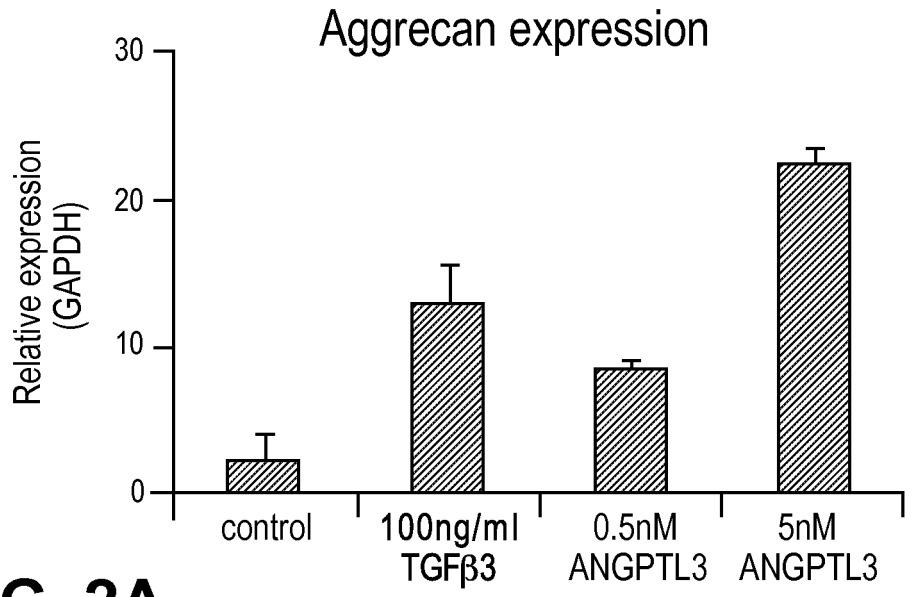


FIG. 2A

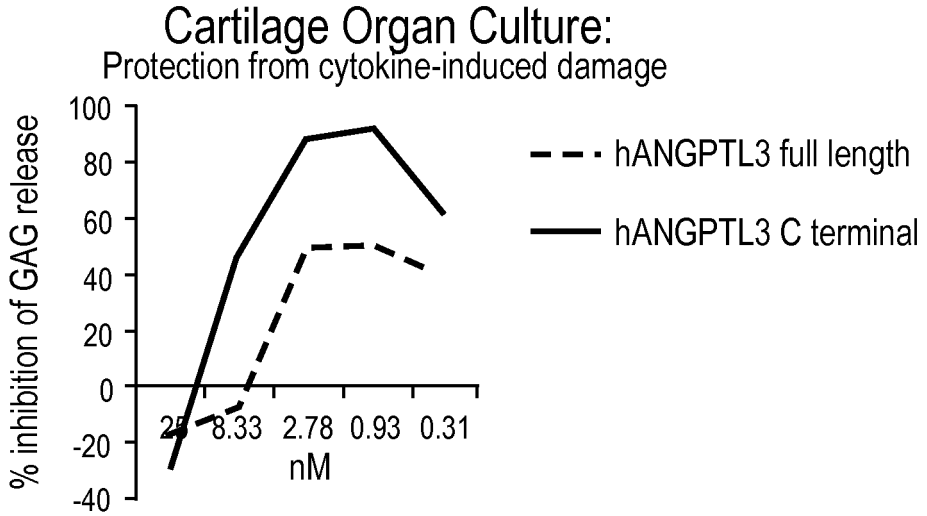


FIG. 2B

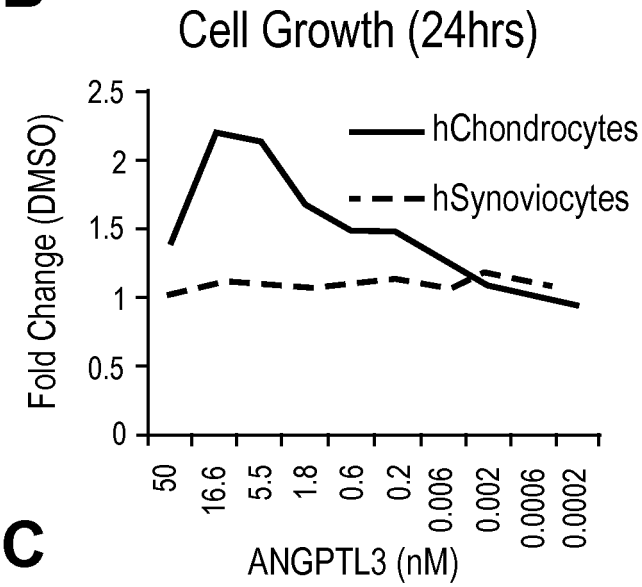


FIG. 2C

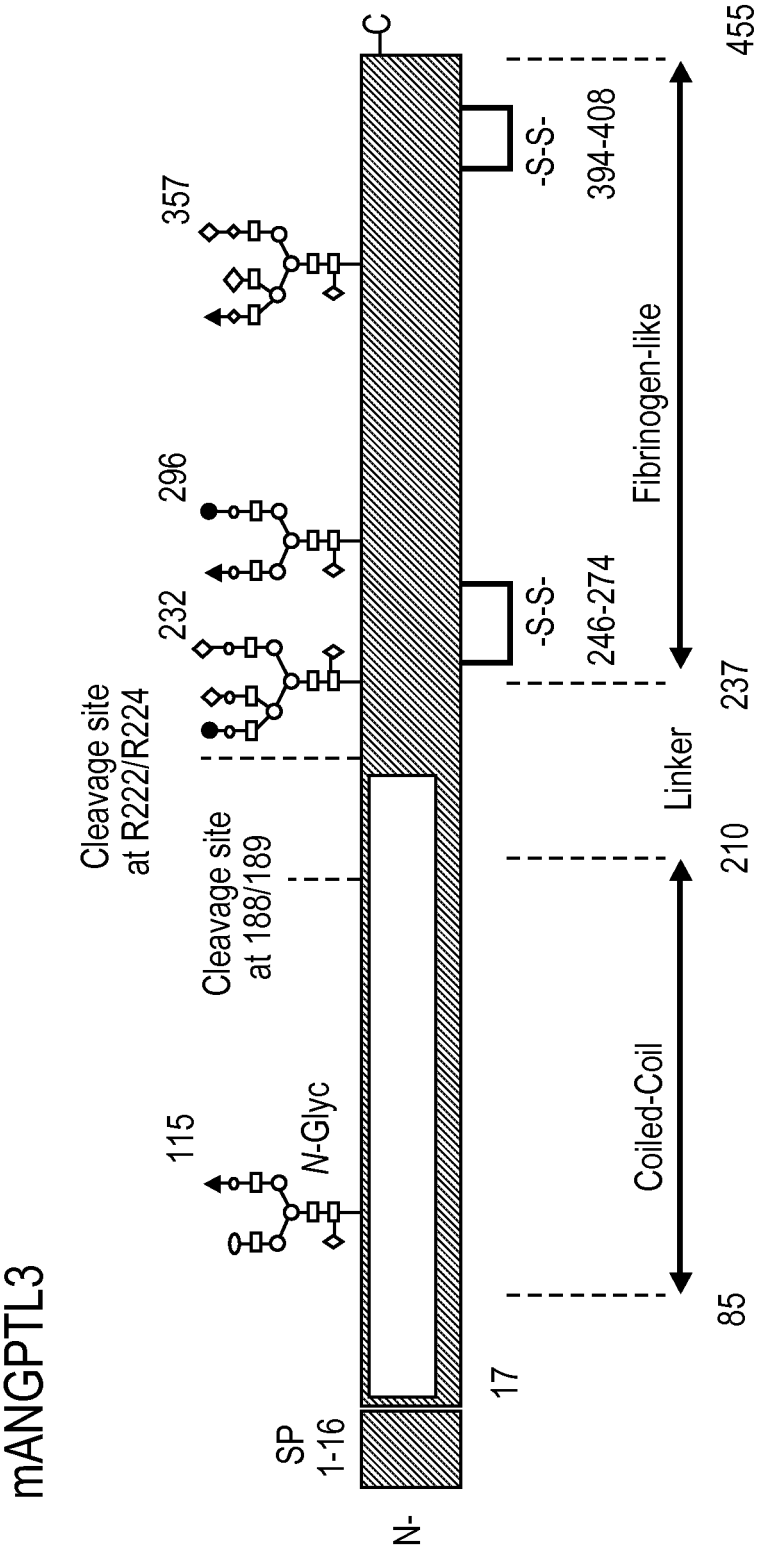

mANGPTL3
SP
1-16
N-
17
115
N-Glyc
Cleavage site
at 188/189
Cleavage site
at R222/R224
232
296
357
C
455
-S-S-
394-408
-S-S-
246-274
Fibrinogen-like
237
Linker
210
Coiled-Coil
85

FIG. 3A

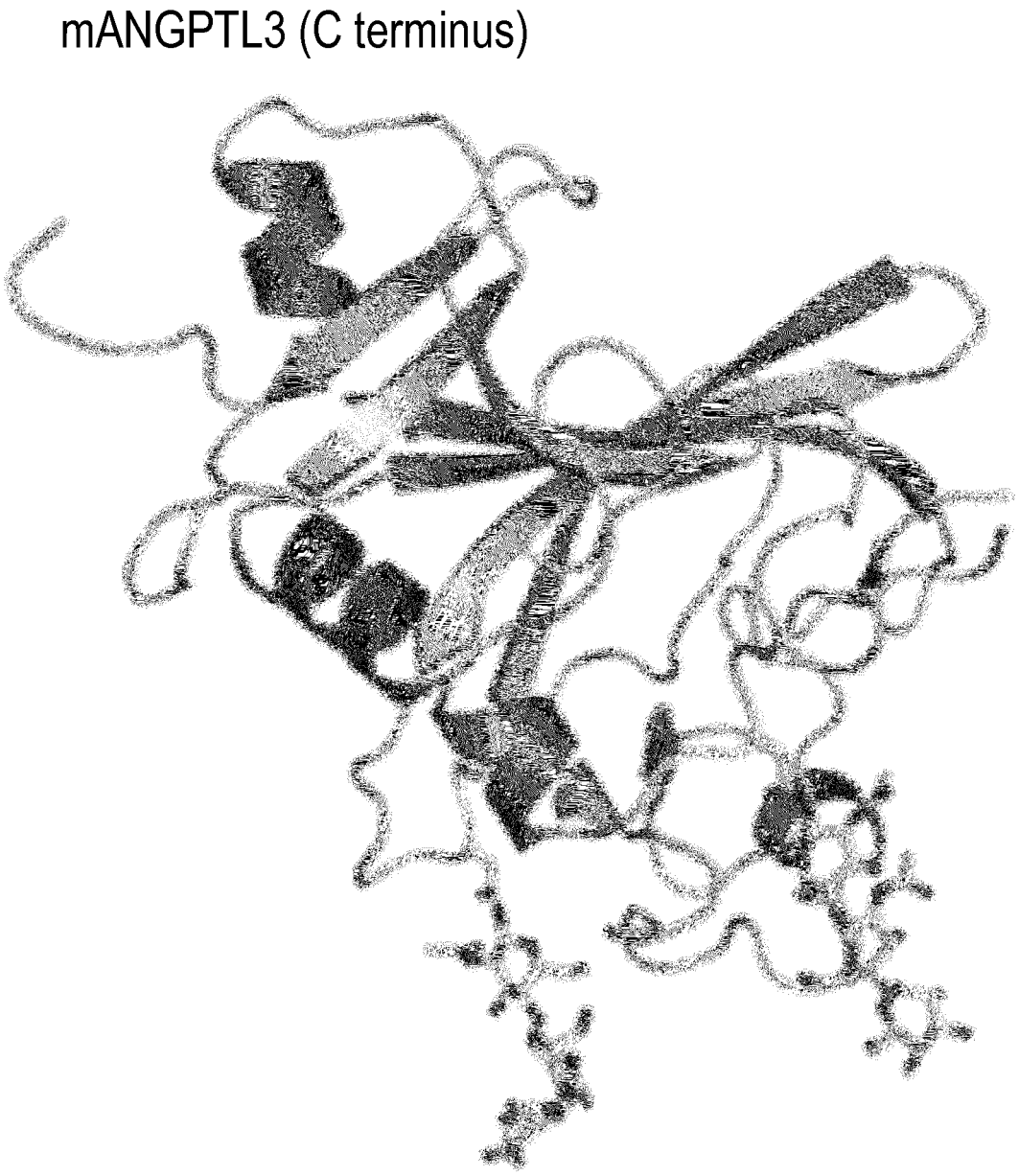


FIG. 3B

```
Bovine      1   MYTIKLFLIIAPLVISSRTDQDYTBLDSISPEPKSRFAMLDDVKILANGLLQLGHGLKDFVHKTKGQINDIFQKLNI
Canine      1   MYTIKLFLFIIPLVISSKIDRDYSSYYDSVSPEPKSRFAMLDDVKILANGLLQLGHGLKDFVHKTKGQINDIFQKLNI
human       1   MFTIKLLLFTVPLVISSRIDQDNSSFDSLSPEPKSRFAMLDDVKILANGLLQLGHGLKDFVHKTKGQINDIFQKLNI
Mouse       1   MHTIKLFLFVVPLVIASRVDPDLSSFDSAPSEPKSRFAMLDDVKILANGLLQLGHGLKDFVHKTKGQINDIFQKLNI
consensus       *.*****.*...*****.*.*..*.*.**...**********************************************

Bovine     78   FDQSFYDLSLQTNEIKEEEKELRRATSKLQVKNEEVKNMSLELDSKLESLILEEKILLQQKVRYLEDQLTDLIKNQP
Canine     78   FDQSFYDLSLQTNEIKEEEKELRRTTSKLQVKNEEVKNMSLELNSKVESLLEEKILLQQKVRYLEKQLTSLIKNQP
human      78   FDQSFYDLSLQTSEIKEEEKELRRTTYKLQVKNEEVKNMSLELNSKLESLILEEKILLQQKVKYLEEQLTNLIQNQP
Mouse      78   FDQSFYDLSLRTNEIKEEEKELRRTTSTLQVKNEEVKNMSVELNSKLESLILEEKTALQHKVRALEEQLTNLILSPA
consensus      **********.*.**************.*..**************.**.**.********..**.**..**.***.**....

Bovine    154   QIQEYLEVTSLKTLVEQQDNSIKDLLQIVEEQYRQLNQQQSQIKEIENQLRRTGIKESTEISLSSKPRAPRTTPSF
Canine    154   EIQEHPEVTSLKTFVEQQDNSIKDLLQTVEEQYRQLNQQHSQIKEIENQLR-NVIQESTENSLSSKPRAPRTTPFL
human     154   ETPEHPEVTSLKTFVEKQDNSIKDLLQTVEDQYKQLNQQHSQIKEIENQLRRTSIQEPTEISLSSKPRAPRTTPFL
Mouse     154   GAQEHPEVTSLKSFVEQQDNSIRELLQSVEEQYKDLSQQHMQIKEIEKQLRKTGIQEHSENSLSSKSRAPRTTPPL
consensus       ...*..*******..**.******..***.**.**.**..**.******.***....*.*.*.*.*****.*******..

Bovine    230   HSNETKNVEHDDIPADCTIIYNQGKHTSGIYSIRPSNSQVFNVYCDVKSGSSWTLIQHRIDGSQNFNETWEN
Canine    229   HLNETKNVEHNDIPANCTTIYNRGEHTSGIYSIRPSNSQVFNVYCDVKSGSSWTLIQHRIDGSQNFNETWEN
human     230   QLNEIRNVKHDGIPAETTIYNRGEHTSGMYAIRPSNSQVFHVYCDVISGSPWTLIQHRIDGSQNFNETWEN
Mouse     230   QLNETENTEQDDLPADCSHVYNRGEHTSGVMTIKPRNSQGFNVYCDTQSGSPWTLIQHRKDGSQDFNETWEN
consensus       **..*.....***.*...**.*.****.*.*.*.***.*.****..*** ********.****.********
```

FIG. 4A

```
Bovine    302 YKYGFGRLDGEFWLGLEKIYSIVQSNYILRIELEDWKD-KYYTEYSFHLGDHETNYTLHLAEISGNGPKAFPEHK
Canine    301 YRYGFGRLDGEFWLGLEKIYSIVKQSNYILRIELEDWNDNKHYIEYFFHLGNHETNYTLHLVEITGNILNALPEHK
human     302 YKYGFGRLDGEFWLGLEKIYSIVKQSNYVLRIELEDWKDNKHYIEYSFYLGNHETNYTLHLVAITGNVPNATPENK
Mouse     302 YEKGFGRLDGEFWLGLEKIYAIVQQSNYILRLELQDWKDSKHYVEYSFHLGSHETNYTLHVAEIAGNIPGALPEHT
consensus     *..*****************.**.****.**.**.*.*.*.**.*.**.*********. .*.**...*.**..

Bovine    377 DLMFSTWDHKAKGHFNCPESNSGGWWYHDVCGENNLNGKYNKPKAKAKPERKFGLTCWKSQDGRLYSIKATKMLIHP
Canine    377 DLVFSTWDHKAKGHVNCPESYSGGWWWHNVCGENNLNGKYNKQRAKTKPERRRGLKYWKSQNGRLYSIKSTKMLIHP
human     378 DLVFSTWDHKAKGHFNCPEGYSGGWWWHDECGENNLNGKYNKPRAKSKPERRRGLSWKSQNGRLYSIKSTKMLIHP
Mouse     378 DLMFSTWNHRAKGQLYCPESYSGGWWWNDLCGENNLNGKYNKPRTKSRPERRRGLYWRPQSRKLYAIKSSSKMLQP
consensus     **.****.*.***...***..*****.....**********.....*.***...*.*.*...*.**.**...**...*

Bovine    453 SDSENSE 459
Canine    453 IDSESSE 459
human     454 TDSESFE 460
Mouse     454 TT----- 455
consensus     ..**..*
```

FIG. 4A (cont.)

```
bovine    1 MYTIKLFLIIAPLVISSRTDQDYTSLDSISPEPKSRFAMLDDVKILANGLLQLGHGLKDFVHKTKGQINDIFQKLNI
equine    1 MYTIKLFLVIAPLVISSRIDQDYSSLDSIPPEPKSRFAMLDDVKILANGLLQLGHGLKDFVHKTKGQINDIFQKLNI
canine    1 MYTIKLFLFIIPLVISSKIDRDYSSMYDSVSPEPKSRFAMLDDVKILANGLLQLGHGLKDFVHKTKGQINDIFQKLNI
human     1 MFTIKLLLFIVPLVISSRIDQDNSSFDSLSPEPKSRFAMLDDVKILANGLLQLGHGLKDFVHKTKGQINDIFQKLNI
mouse     1 MHTIKLFLFVVPLVIASRVDPDLSSFDSASPSEPKSRFAMLDDVKILANGLLQLGHGLKDFVHKTKGQINDIFQKLNI
consensus 1 *.*****.*....****.*...*.*..**....**********************************************

bovine   78 FDQSFYDLSLQTNEIKEEEKELRRATSKLQVKNEEVKNMSLELDSKLESLLEEKILLQQKVRYLEDDLTDLIKNQP
equine   78 FDQSFYALSLQTNEIKEEEKELRRTTSKLQVKNEEVKNMSLELNSKLESLLEEKSLLQQKVKKLEEQLTKLIKNQP
canine   78 FDQSFYDLSLQTNEIKEEEKELRRTTSKLQVKNEEVKNMSLELNSKVESLLEEKILLQQKVRYLEKQLTSLIKNQP
human    78 FDQSFYDLSLQTSEIKEEEKELRRTTYKLQVKNEEVKNMSLELNSKLESLLEEKILLQQKVKKLEEQLTNLIQNQP
mouse    78 FDQSFYDLSLRTNEIKEEEKELRRTTSTLQVKNEEVKNMSVELNSKLESLLEEKTALQHKVRALEEQLTNLILSPA
consensus 81 ******.***.*.**************.*..**************.**.**.*******..**.**..**.***.**....

bovine   154 QIQEYLEVTSLKTLVEQQDNSIKDLLQIVEEQYRQLNQQQSQIKEIENQLRRTGIKESTEISLSSKPRAPRTTPSF
equine   154 EIQEHPEVTSLKTFVEQQDNSIKDLLQTMEEQYRQLNQQHSQIKEIENQLRRTGIQESTENSLSSKPRAPRTTPSF
canine   154 EIQEHPEVTSLKTFVEQQDNSIKDLLQTVEEQYRQLNQQHSQIKEIENQLR-NVIQESTENSLSSKPRAPRTTPFL
human    154 ETPEHPEVTSLKTFVEKQDNSIKDLLQTVEDVKQLNQQHSQIKEIENQLRRTSIQEPTEISLSSKPRAPRTTPFL
mouse    154 GAQEHPEVTSLKSFVEQQDNSIRELLQSVEEQYKQLSQQHMQIKEIEKQLRKTGIQEPSENSLSSKSRAPRTTPPL
consensus 161 ...*..*******..**.******..***..*.**.**.**..*******.***...*.*..*.******.********  .

bovine   230 HSNETKNVEHDDIPADCTIIYNQGKHTSGIYSIRPSNSQVFNVYCDVKSGSSWTLIQHRIDGSQNFNETWEN
equine   230 HLNETKDVEHDDFPADCTTIYNRGEHTSGIYSIKPSNSQVFNVYCDVISGSSWILIQRRIDGSQNFNETWQN
canine   229 HLNETKNVEHNDIPANCTTIYNRGEHTSGIYSIRPSNSQVFNVYCDVKSGSSWTLIQHRIDGSQNFNETWEN
human    230 QLNEIRNVKHDGIPAECTTIYNRGEHTSGMYAIRPSNSQVFHVYCDVISGSPWTLIQHRIDGSQNFNETWEN
mouse    230 QLNETENTEQDDLPADCSAVYNRGEHTSGVMTIKPRNSQGFNVYCDTQSGSPWTLIQHRKDGSQDFNETWEN
consensus 241 ..**.....*..**.*....**.*.****.*..*.*.***.*.****.  ***.*.***.*.****.*****.*
```

FIG. 4B



FIG. 4B (cont.)

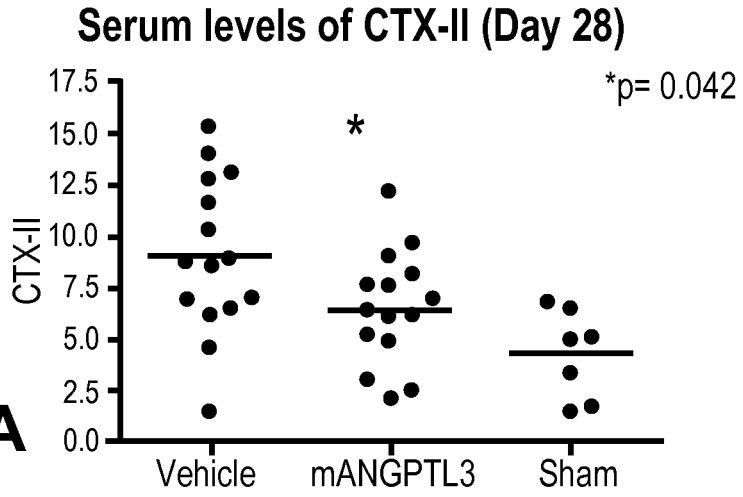


FIG. 5A

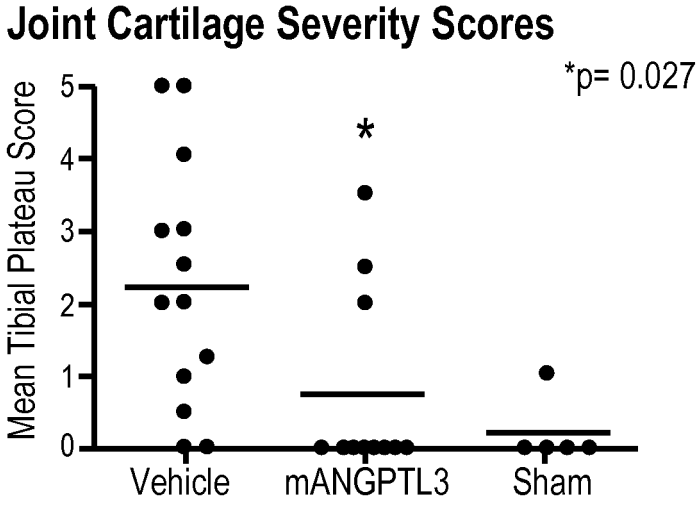


FIG. 5B

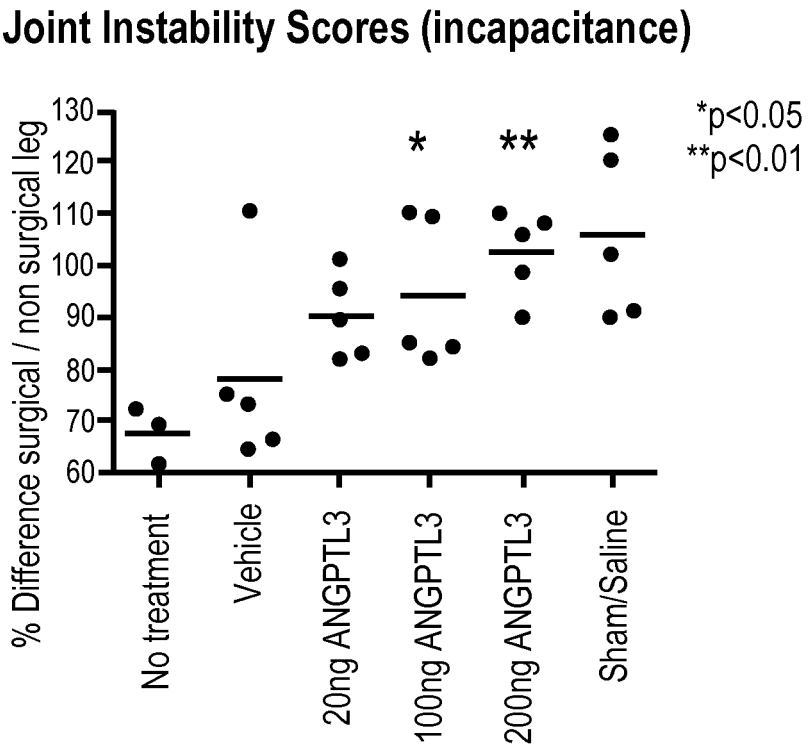


FIG. 5C