

Fig 1

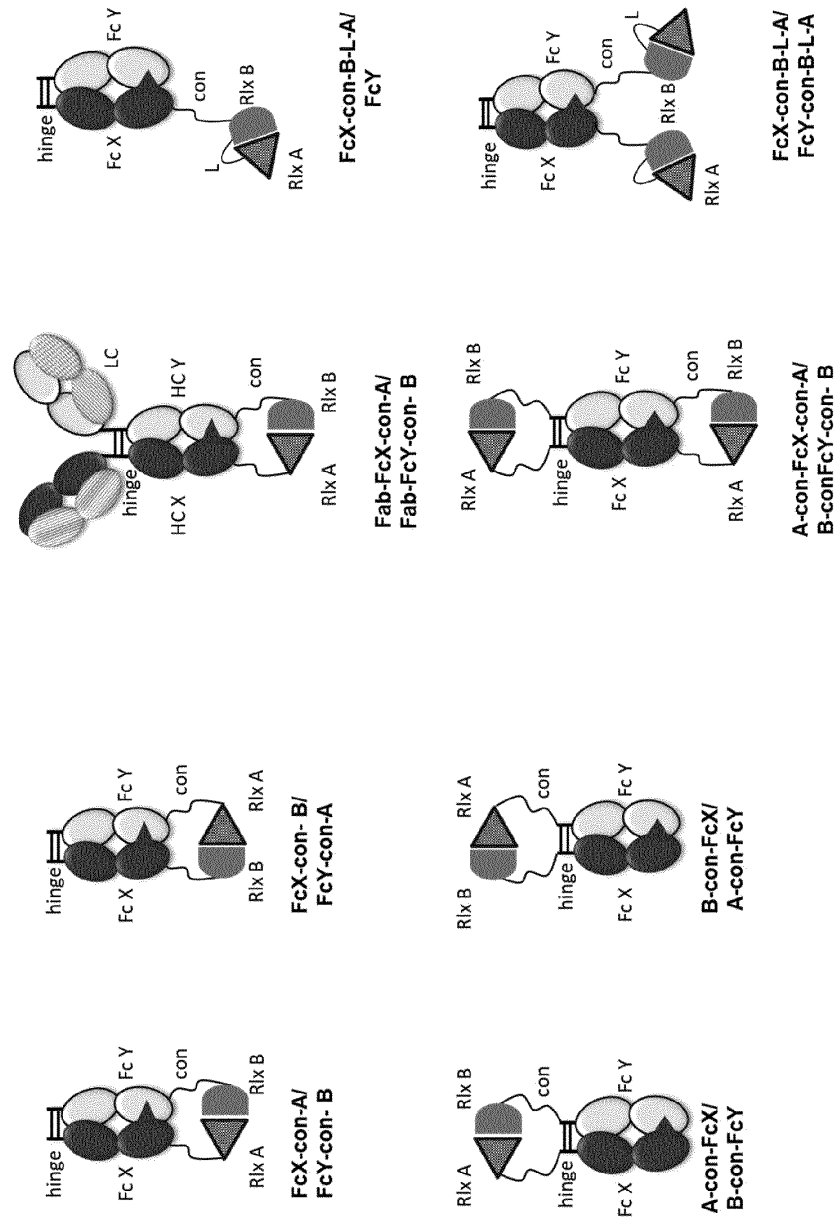


Fig 2

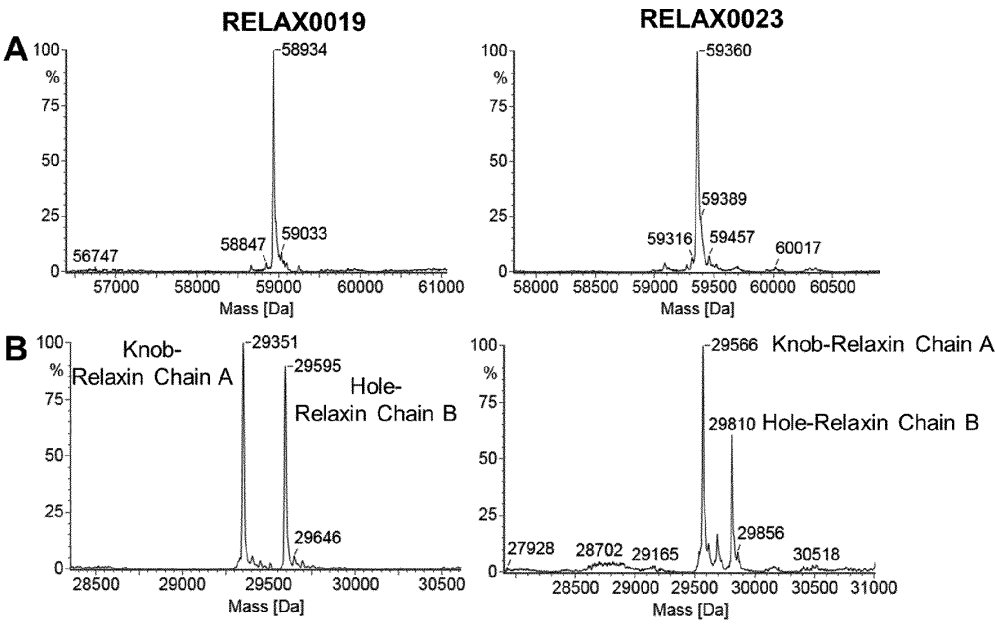


Fig 3

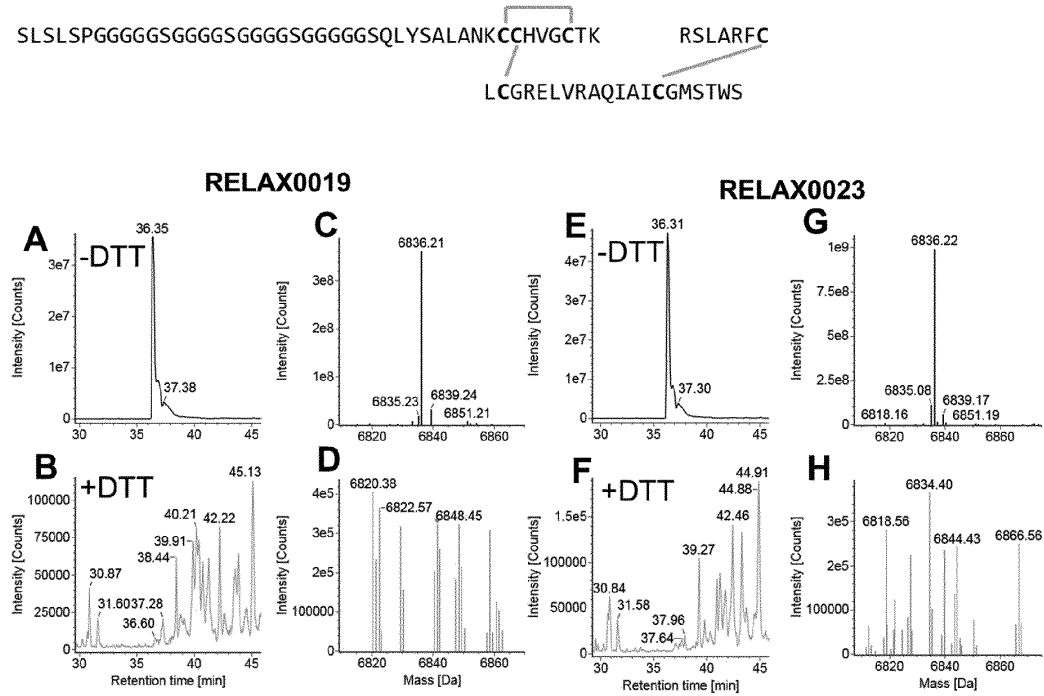


Fig 4

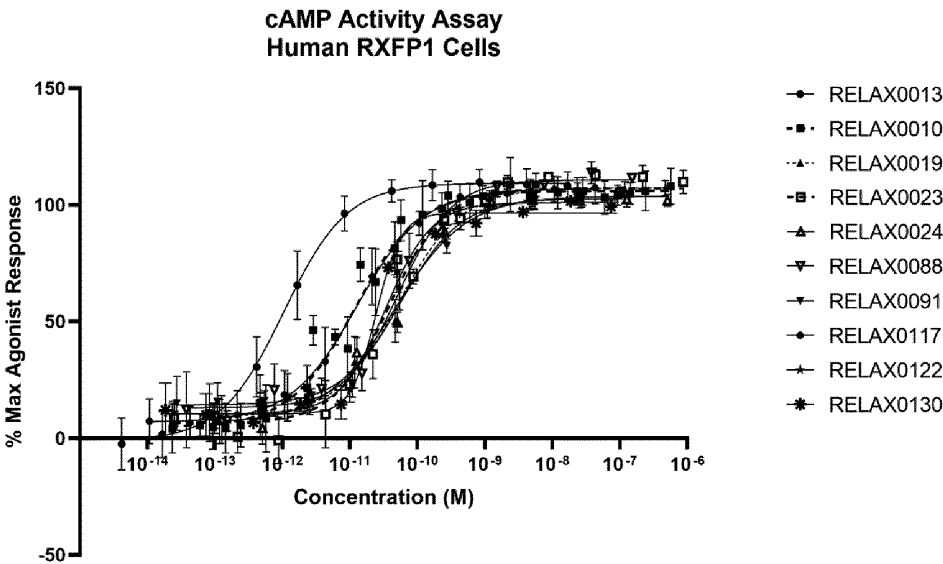


Fig 5

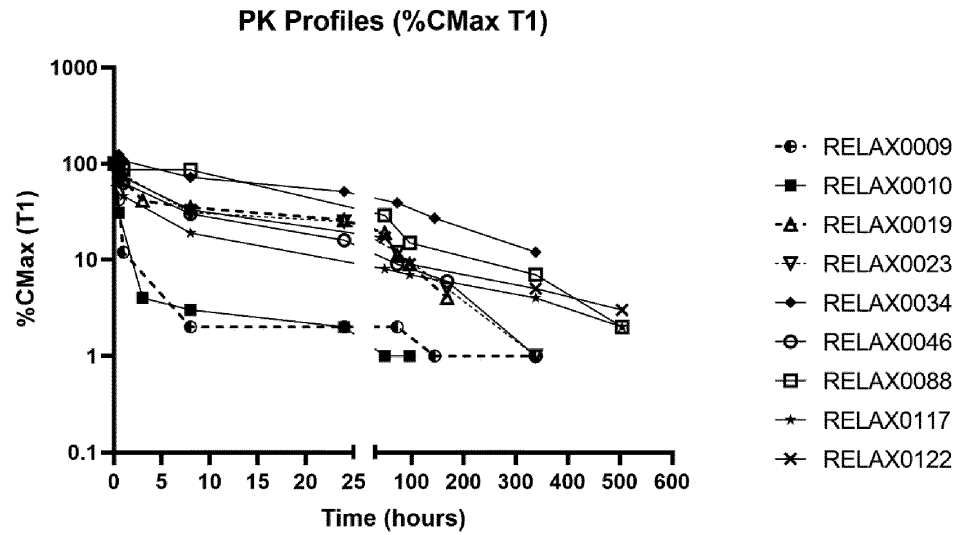


Fig 6

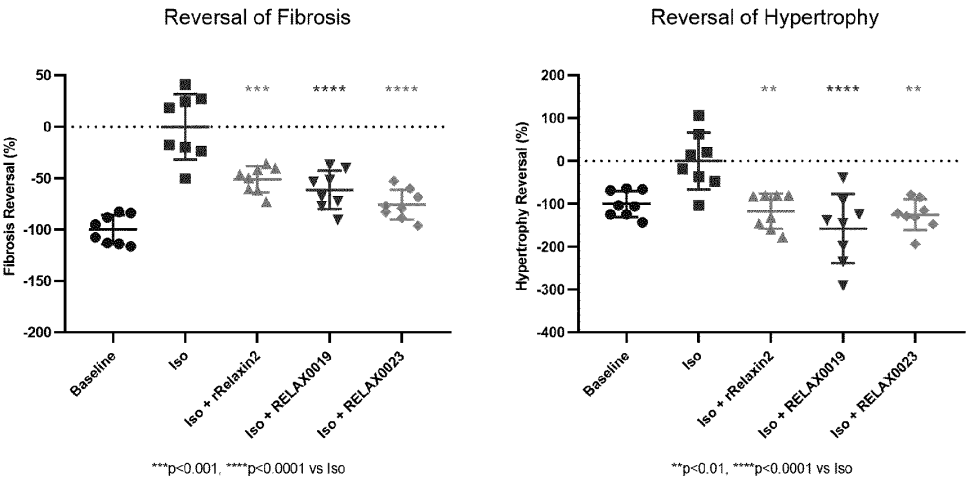


Fig 7

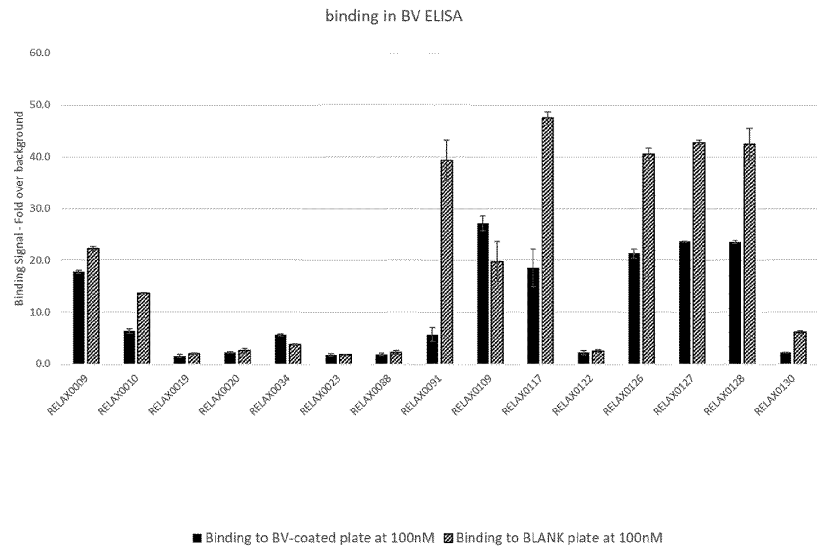


Fig 8

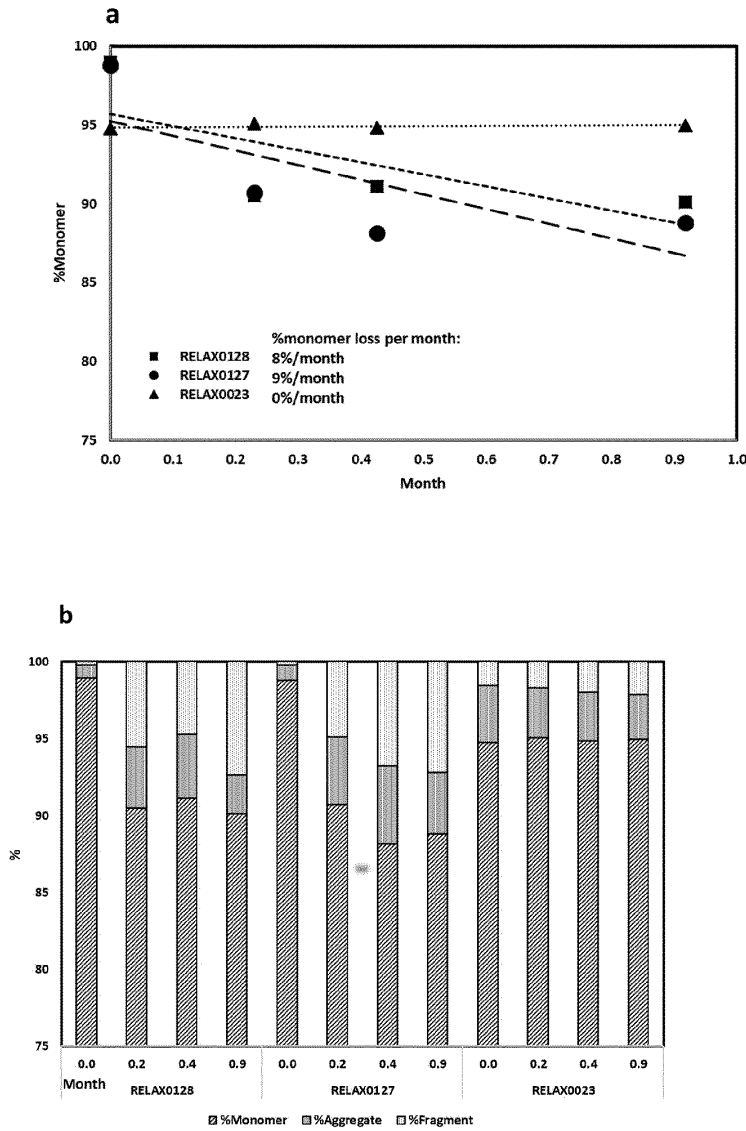
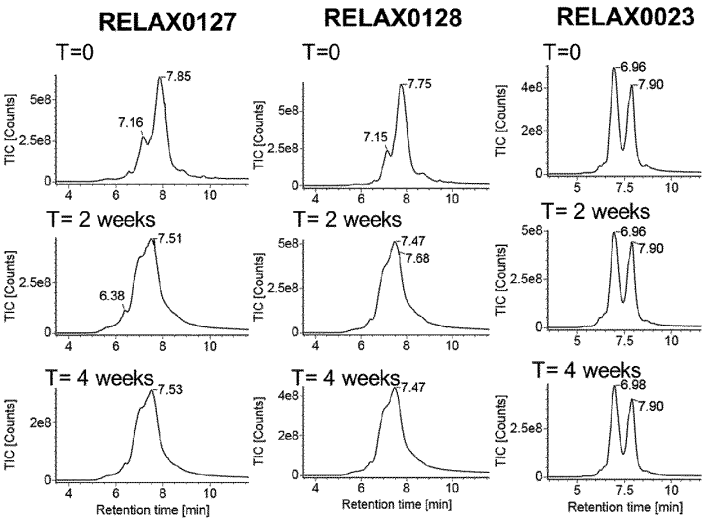


Fig 9

A



B

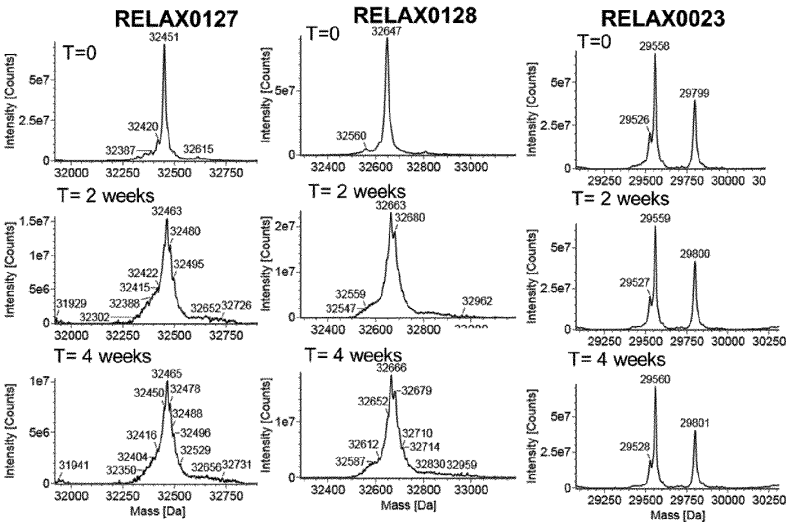


Fig 10

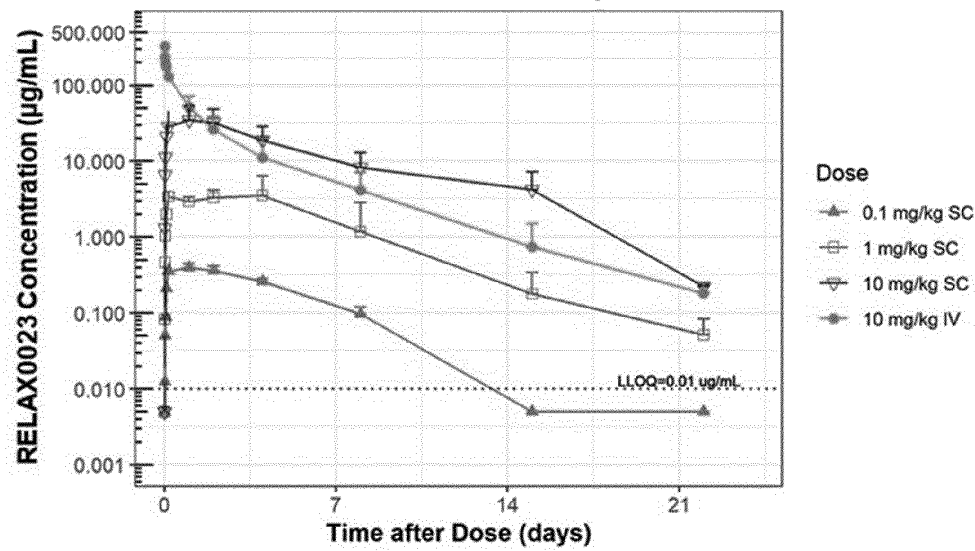


Fig 11

Relaxin A

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Relaxin B

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FcH01

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FcK01

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RELAX0010

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Fig 11 Continued

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Fig 11 Continued

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R1x012

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Fig 11 Continued

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R1x013

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Fig 11 Continued

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Fig 11 Continued

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Fig 11 Continued

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R1x023

GACAAGACCCACACCTGTCTCTCCATGCCCCGGCGCCTGAGTTGAGGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCAGAGAACAATAACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTCT
TTCTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGAGGTGGC
TCTGGTGGAGGGGGCGGATCCAGCTGGATGGAAGAAGTGATTAACTGTGTGGCCGCAACTGGTGCAG
GCGCAGATTGCGATTGTGGGCATGAGCACCTGGAGC

R1x024

GACAAGACCCACACCTGTCTCTCCATGCCCCGGCGCCTGAGTTGAGGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTAAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCAGAGAACAATAACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTCT
TTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGTGGAGGGGGC
GGATCCCAGCTCTACTCAGCGCTCGCTAATAAGTGTGTGCATGTGGGATGCACAAAGCGGTCTCTCGCC
AGATTCTGC

Fig 11 Continued

R1x025

GACAAGACCCACACCTGTCTCTCCATGCCCCGGCGCCTGAGTTGAGGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG

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TCCCACGAGGACCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCCGTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATT
TTCTTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGTGGAGGGGGC
GGATCCAGCTGGATGGAAGAAGTGATTAACTGTGTGGCCGCGAACTGGTGC GCGCGCAGATTGCGATT
TGCGGCATGAGCACCTGGAGC

R1x026

GACAAGACCCACACCTGTCTCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATT
TTCTTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGCACCTGCTCCC
GCACCAGCCCCCTGCTCCCGCACCCAGCCCCCTGCTCCCGCACCCAGCCGGATCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

R1x027

GACAAGACCCACACCTGTCTCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATT
TTCTTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGCACCTGCTCCC
GCACCAGCCCCCTGCTCCCGCACCCAGCCCCCTGCTCCCGCACCCAGCCGGATCCAGCTGGATGGAAGAAGTG
ATTAAACTGTGTGGCCGCGAACTGGTGC GCGCGCAGATTGCGATTGCGGCATGAGCACCTGGAGC

Fig 11 Continued

R1x028

GACAAGACCCACACCTGTCTCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG

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TCCCACGAGGACCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCCCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTCT
TTCTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGCAGCTCCTGCT
CCCGCACCAGCCCCGTCTCCCGCACCAGCCGGATCCAGCTCTACTCAGCGCTCGCTAATAAGTGTGTG
CATGTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

R1x029

GACAAGACCCACACCTGTCTCTCCATGCCCGGCGCCTGAGTTGAGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTCT
TTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGCAGCTCCTGCT
CCCGCACCAGCCCCGTCTCCCGCACCAGCCGGATCCAGCTGGATGGAAGAAGTGATTAACTGTGTGGC
CGCGAACTGGTGC GCGCAGATTGCGATTTGCGGCATGAGCACCTGGAGC

R1x030

GACAAGACCCACACCTGTCTCTCCATGCCCGGCGCCTGAGTTGAGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTCT
TTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGCACCAGCCCCCT
GCTCCCGCACCAGCCGGATCCAGCTCTACTCAGCGCTCGCTAATAAGTGTGTGTCATGTGGGATGCACA
AAGCGGTCTCTCGCCAGATTCTGC

Fig 11 Continued

R1x031

GACAAGACCCACACCTGTCTCTCCATGCCCGGCGCCTGAGTTGAGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG

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TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCCCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTTC
TTCTTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGCACCAGCCCCT
GCTCCCGCACCAGCCGGATCCAGCTGGATGGAAGAAGTGATTAACTGTGTGGCCGCAACTGGTGCGC
GCGCAGATTGCGATTTGCGGCATGAGCACCTGGAGC

R1x041E

GACAAGACCCACACCGCTTGTCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTTG
TTCCCCCAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGAC
GTGTCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCA
TTCTTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCC
GTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGT
GGAAGCGGAGGAGGTGGCTCTGGAGGGGTGGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCG
CTCGCTAATGAGTGTGTGCATGTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

R1x041H

GACAAGACCCACACCGCTTGTCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTTG
TTCCCCCAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGAC
GTGTCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCA
TTCTTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCC
GTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGT
GGAAGCGGAGGAGGTGGCTCTGGAGGGGTGGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCG
CTCGCTAATCACTGTTGTGCATGTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

Fig 11 Continued

R1x041L

GACAAGACCCACACCGCTTGTCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTTG
TTCCCCCAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGAC

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GTGTCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCCCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCGAGAACAACTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCA
TTCTTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCC
GTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGAGGTGGT
GGAAGCGGAGGAGGTGGCTCTGGAGGGGTGGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCG
CTCGCTAATTTGTGTTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

R1x041M

GACAAGACCCACACCGCTTGTCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTG
TTCCCCCAAAGCCCAAGGACACCTGATGATCTCCCGACCCCCGAAGTGACCTGCGTGGTGGTGGAC
GTGTCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCCCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCGAGAACAACTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCA
TTCTTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCC
GTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGAGGTGGT
GGAAGCGGAGGAGGTGGCTCTGGAGGGGTGGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCG
CTCGCTAATATGTGTTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

R1x044E

GACAAGACCCACACCGCTTGTCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTG
TTCCCCCAAAGCCCAAGGACACCTGATGATCTCCCGACCCCCGAAGTGACCTGCGTGGTGGTGGAC
GTGTCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCCCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCGAGAACAACTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCA
TTCTTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCC
GTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGAGGTGGT
GGAAGCGGAGGAGGTGGCTCTGGAGGGGTGGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCG
CTCGCTAATAAGTGTGTTGTCATGTGGGATGCACAAAGGAGTCTCTCGCCAGATTCTGC

Fig 11 Continued

R1x044H

GACAAGACCCACACCGCTTGTCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTG
TTCCCCCAAAGCCCAAGGACACCTGATGATCTCCCGACCCCCGAAGTGACCTGCGTGGTGGTGGAC

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GTGTCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCCGCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCGAGAACAACTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCA
TTCTTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCC
GTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGT
GGAAGCGGAGGAGGTGGCTCTGGAGGGGTGGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCG
CTCGCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCACTCTCTCGCCAGATTCTGC

Rlx051A

GACAAGACCCACACCTGTCTCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCCGCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTCT
TTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGG
AGCGGAGGAGGTGGCTCTGGAGGGGTGGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCGCCTTCTGC

Rlx051I

GACAAGACCCACACCTGTCTCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCCGCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTCT
TTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGG
AGCGGAGGAGGTGGCTCTGGAGGGGTGGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCATCTTCTGC

Fig 11 Continued

Rlx051M

GACAAGACCCACACCTGTCTCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG

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TCCCACGAGGACCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCAGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATT
TTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTTAAGCTTGAGCCCCGGCGGAGGTGGTGA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCATGTTCTGC

R1x051Q

GACAAGACCCACACCTGTCTCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCAGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATT
TTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTTAAGCTTGAGCCCCGGCGGAGGTGGTGA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCAGTTCTGC

R1x051S

GACAAGACCCACACCTGTCTCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCAGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATT
TTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTTAAGCTTGAGCCCCGGCGGAGGTGGTGA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCTCCTTCTGC

Fig 11 Continued

R1x051Y

GACAAGACCCACACCTGTCTCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG

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TCCCACGAGGACCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCAGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATT
TTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTTAAGCTTGAGCCCCGGCGGAGGTGGTGGA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAGCGGAGGTGGAGGTGGATCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCTACTTCTGC

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GACAAGACCCACACCTGTCTCCATGCCCCGGCGCCTGAGTTGAGGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCAGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATT
TTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTTAAGCTTGAGCCCCGGCGGAGGTGGTGGA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAGCGGAGGTGGAGGTGGATCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCAGAGAGTGC

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GACAAGACCCACACCTGTCTCCATGCCCCGGCGCCTGAGTTGAGGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCAGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATT
TTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTTAAGCTTGAGCCCCGGCGGAGGTGGTGGA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAGCGGAGGTGGAGGTGGATCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCAGAATCTGC

Fig 11 Continued

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GACAAGACCCACACCTGTCTCCATGCCCCGGCGCCTGAGTTGAGGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG

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TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTAAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCAGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGG
AGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCTCCTGGATGGAGGAGGTT
ATCAAGCTGTGTGGACGCGAACTGGTGC GCGCTCAGATCGCGATATGCGGGATGTCCACATGGTCAGGC
GGCGGCAGCGGCGGCGGCAGCGCCAGCTCTACTCAGCGCTCGCTAATAAGTGTTGTCATGTGGGATGC
ACAAAGCGGTCTCTCGCCAGATTCTGC

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GACAAGACCCACACCTGTCTCCATGCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTGTTT
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCAGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGG
AGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCTCCTGGATGGAGGAGGTT
ATCAAGCTGTGTGGACGCGAACTGGTGC GCGCTCAGATCGCGATATGCGGGATGTCCACATGGTCAGGC
GGCGGCAGCGGCGGCGGCAGCGCCAGCTCTACTCAGCGCTCGCTAATAAGTGTTGTCATGTGGGATGC
ACAAAGCGGTCTCTCGCCAGATTCTGC

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TCCTGGATGGAAGAAGTGATCAAGCTCTGCGGCAGAGAACTCGTGCGGGCCAGATCGCTATCTGCGGC
ATGTCTACTTGGAGCGCGCCGCGGGTGGAGGTGGATCCGAGGAGGTGGAAGCGGAGGAGGTGGAAGC
GGAGGAGGTGGAAGCGCTTGTCTCCATGCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTG
TTCCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGAC
GTGTCCACAGGAGCCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCCAGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTC

Fig 11 Continued

CGACGGCTCATTTCTTCTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTT
CTCCTGCTCCGTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTGTCCCTGAGCCCCGG
C

CAGCTGTA CTCTGCCCTGGCCAACAAGTGTTGCCACGTGGGCTGCACCAAGAGATCCCTGGCCAGATTCTGTGCGGCCGCGGGTGGAGGTGGATCCGGAGGAGGTGGAAGCGGAGGAGGTGGAAGCGGAGGAGGTGGAAGCGCTTGCTCTCCATGCCCCGGCGCTGAGTTCGAGGGCGGACCCCTCCGTGTTCTGTCCCCCAAAGCCCAAGGACACCTGATGATCTCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTGTCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATGACCAAGAAC CAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGGGAGTCCAACGCCAGCCCGAGAACACTACAAGACACCCCCCTGTGCTGGATCCGACGGCTCATTCTTCTCTGTACTCCAAGCTGACCTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCCGTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTGTCCCTGAGCCCCGGC

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CAGCTGTA CTCTGCCCTGGCCAACAAGTGTTGCCACGTGGGCTGCACCAAGAGATCCCTGGCCAGATTC
TGTGCGGCCGCGGGTGGAGGTGGATCCGAGGAGGTGGAAGCGGAGGAGGTGGAAGCGGAGGAGGTGGA
AGCGCTTGTCTCCATGCCCGGCGCTGAGTTCGAGGGCGGACCCTCCGTGTTCTGTTCCTGTTCCCCCAAAG
CCAAGGACACCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTGTCCACGAG
GACCCTGAAGTGAA GTTCAATTGGTACGTGGACGCGCTGGAAGTGCACAACGCCAAGACCAAGCCCAGA
GAGGAACAGTACAACTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGACTGGCTGAAC
GGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCTCCATCGAAAAGACCATCTCCAAG
GCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACAACTGCCCCCTGCCGGGAAGAGATGACCAAGAAC
CAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGGGAGTCCAAC
GGCCAGCCCGAGAACA ACTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTCTTCTGTAC
TCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTGATGCACGAG
GCCCTGCACAACCACTGACCCGAGAAGTCTCTAAGCTTGAGCCCCGGGAGGTGGTGGAGCGGAGGA
GGTGGCTCTGGAGGGGTGGAAGCGAGGTGGAGGTGGATCCAGCTCTACTCAGCGCTCGCTAATAAG
TGTTGT CATGTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

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TCTCTGGATGGAAGAAGTGATCAAGCTCTGCGGCAGAGAACTCGTGCGGGCCAGATCGCTATCTGCGGC
ATGTCTACTTGGAGCGCGGCCGCGGGTGGAGGTGGATCCGAGGAGGTGGAAGCGGAGGAGGTGGAAGC
GGAGGAGGTGGAAGCGCTTGTCTCCATGCCCGCGCGCTGAGTTCGAGGGCGGACCCCTCCGTGTTCTCTG
TTCCCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGAC
GTGTCCCACGAGGACCCCTGAAGTGAAGTTCAATTGGTACGTTGACCGCGCGTGGAAAGTGCAACGCCCAAG
ACCAAGCCCGAGAGGGAACAGTACAACTCCACCTACCGGTTGGTGTCCGTGCTGACCGTGTGCACCAAG
GACTGGCTGAACGGCAAAAGAGTACAAAGTGAAGGTTCCAAACAAGGCCCTGCCCGCCTCCAT

Fig 11 Continued

CGAAAAGACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCG
GGAAGAGATGACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGTTCTACCCCTCCGATATCGC
TGTGGAATGGGAGTCCAACGGCCAGCCCCGAGAACAACACTACAAGAACACCCCCCTGTGTCTGGACTCCGA
CGGCTCATTCTTCTGGTGTCCAAAGTGTGACCTGGACAAGTCCCGGTGGCAGAGGGCAACGTGTTCTC
TGCTCCGTGATGACAGGGCCCTGCACAACCATTACACCCAGAAGTCTCTAAGCTTGAGCCCGGGCG

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AGGTGGTGGAAAGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAAGCGGAGGTGGAGGTGGATCCAGCTGGAT
GGAAGAAAGTGATTAAACTGTGTGGCCGCGAACTGGTGCGCGCGCAGATTGCGATTTGCGGCATGAGCAC
CTGGAGC

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GACAAGACCCACACCTGTCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCCTCCGTGTTCTCTGTTT
CCCCCAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGACAAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGTGCACACAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCCGAGAACAATAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTTC
TTCCTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGGAA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAAGCGGAGGTGGAGGTGGATCCAGCTGGATGGAAGAAGTG
ATTAAACTGTGTGGCCGCGAACTGGTGCGCGCGCAGATTGCGATTTGCGGCATGAGCACC

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GACAAGACCCACACCTGTCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCCTCCGTGTTCTCTGTTT
CCCCCAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGACAAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGTGCACACAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCCGAGAACAATAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTTC
TTCCTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGGAA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAAGCGGAGGTGGAGGTGGATCCAGCTGGATGGAAGAAGTG
ATTAAACTGTGTGGCCGCGAACTGGTGCGCGCGCAGATTGCGATTTGCGGCATGAGC

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GAGGTGCAGCTGCTCGAGTCAGGGGGAGGCTTGGTACAGCCGGGGGGGTCCCTGAGACTCTCTGTACA
ACCTCTGGATTACCTTTAACACGTATGCCATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAA
TGGCTCTCAGGTATTAATAACAATGGTCGGACTGCATTCTACGCAGACTCCGTGAAGGGCCGCTTC

Fig 11 Continued

ACCATCTCCAGAGACAACCTCCAAAAACACACTTTATCTGCAAATTAATAGTCTGAGAGCGGACGACACG
GCCGTTTATTTCTGTGCGAAAGATGTCAGATTTATCGCAGTGCCTGGTGAATCCTGGGGCCAGGGAACC
CTGGTCACCGTCTCCTCAGCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCCCCCAGCAAGAGC
ACCAGCGGGCGCACAGCCGCCCTGGGCTGCCTGGTGAAGGACTACTTCCCCGAGCCCGTGACCGTGTCC
TGGAACAGCGGAGCCCTGACCTCCGGCGTGCACACCTTCCCCGCCGTGCTGCAGAGCAGCGGCTGTAC
AGCCTGAGCAGCGTGGTGACAGTGCCAAGCAGCAGCCTGGGCACCCAGACCTACATCTGCAACGTGAAC

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CACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAGACCCACACCTGT
CCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCCTCCGTGTTCTGTTCACGAGGACCCCTGAA
ACCCTGATGATCTCCCGGACCCCGAAGTGACCTGCGTGGTGGTGGACGTGTCCACGAGGACCCCTGAA
GTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACCAAGCCCAGAGAGGAACAG
TACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGACTGGCTGAACGGCAAAGAG
TACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACCATCTCCAAGGCCAAGGGC
CAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATGACCAAGAACCAGGTGTCC
CTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGGGAGTCCAACGGCCAGCCC
GAGAACAACCTACAAGACCACCCCTGTGCTGGACTCCGACGGCTCATTCTTCTGTACTCCAAGCTG
ACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCCGTGATGCACGAGGCCCTGCAC
AACCCTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGAAGCGGAGGAGGTGGCTCT
GGAGGGGGGTGGAAGCGGAGGTGGAGGTGGATCCAGCTCTACTCAGCGCTCGCTAATAAGTGTGTGCAT
GTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

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GAGGTGCAGCTGCTCGAGTCAGGGGGAGGCTTGGTACAGCCGGGGGGGTCCCTGAGACTCTCCTGTACA
ACCTCTGGATTACCTTTAACACGTATGCCATGAGTTGGTCCGCCAGGCTCCAGGGAAGGGCTGGAA
TGGCTCTCAGGTATTAATAACAATGGTCGGACTGCATTCTACGCAGACTCCGTGAAGGGCCGCTTACC
ATCTCCAGAGACAACTCCAAAAACACACTTTATCTGCAAATTAATAGTCTGAGAGCGGACGACACGGCC
GTTTATTTCTGTGCGAAAGATGTCAGATTTATCGCAGTGCCTGGTGAATCCTGGGGCCAGGGAACCTG
GTCACCGTCTCCTCAGCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCCCCCAGCAGCAAGAGCACC
AGCGGCGGCACAGCCGCCCTGGGCTGCCTGGTGAAGGACTACTTCCCCGAGCCCGTGACCGTGTCTTG
AACAGCGGAGCCCTGACCTCCGGCGTGCACACCTTCCCCGCGGTGCTGCAGAGCAGCGGCCCTGTACAGC
CTGAGCAGCGTGGTGACAGTGCCAAGCAGCAGCCTGGGCACCCAGACCTACATCTGCAACGTGAACCAC
AAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAGACCCACACCTGTCTCT
CCATGCCCGGCGCCTGAGTTCGAGGGCGGACCCCTCCGTGTTCTCCTGTTCCCCCAAAGCCCAAGGACACC
CTGATGATCTCCCGGACCCCGAAGTGACCTGCGTGGTGGTGGACGTGTCCACGAGGACCCCTGAAGTG
AAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACCAAGCCCAGAGAGGAACAGTAC
AACTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGTGCAACGAGGACTGGCTGAACGGCAAAGAGTAC
AAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACCATCTCCAAGGCCAAGGGCCAG
CCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAGATGACCAAGAACCAGGTGTCCCTG
TCCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGGGAGTCCAACGGCCAGCCCAG
AACAACCTACAAGACCACCCCTGTGCTGGACTCCGACGGCTCATTCTTCTGCTGGTGTCCAAGCTGACC
GTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCCGTGATGCACGAGGCCCTGCACAAC
CACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGAAGCGGAGGAGGTGGCTCTGGA
GGGGGTGGAAGCGGAGGTGGAGGTGGATCCAGCTGGATGGAAGAAGTGATTAACTGTGTGGCCGCGAA
CTGGTGCGCGCGCAGATTGCGATTTGCGGCATGAGCACCTGGAGC

Fig 11 Continued

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GAGCTCGTGTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACT
GGAACCAGCAGTGACGTTGGTGGTTATAACTATGTCTCCTGGTACCAACAGCACCCAGGCAAAGCCCC
AAACTCATGATTTATGATGTCTAGTAAGCGGCCCTCAGGGGTTTCTAATCGCTTCTCTGGCTCCAAGTCT
GGCAACACGGCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCA
TATACAAGCAGCAGCACTTTGGTATTGCGCGGAGGGACCAAGCTGACCGTCCTAGGTGAGCCCAAGGCT

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GCCCCCTCGGTCACTCTGTTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAACAAGGCCACACTGGTGTGT
CTCATAAGTGACTTCTACCCGGGAGCCGTGACAGTGGCCTGGAAGGCAGATAGCAGCCCCGTCAAGGCG
GGAGTGGAGACCACCACACCTCCAAACAAAGCAACAACAAGTACGCGGCCAGCAGCTATCTGAGCCTG
ACGCCTGAGCAGTGAAGTCCCACAGAAGCTACAGCTGCCAGGTCACGCATGAAGGGAGCACCGTGGAG
AAGACAGTGGCCCCTACAGAATGTTCA

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GATAAAACCCATACCTGCCCGCCGTGCCCGGCGCCGGAACTGCTGGGCGGCCCGAGCGTGTTTCTGTTT
CCGCCGAAACCGAAAGATACCCTGATGATTAGCCGCACCCCGGAAGTGACCTGCGTGTTGGTGGATGTG
AGCCATGAAGATCCGGAAGTGAAATTTAACTGGTATGTGGATGGCGTGGAAGTGCATAACCGGAAAACC
AAACCGCGCGAAGAACAGTATAACAGCACCTATCGCGTGGTGAGCGTGCTGACCGTGCTGCATCAGGAT
TGGCTGAACGGCAAAGAATATAAATGCAAAGTGAGCAACAAGCGCTGCCGCGCCGATTGAAAAAACC
ATTAGCAAAGCGAAAGGCCAGCCGCGGAACCGCAGGTGTATACCCTGCCGCCGAGCCGCGATGAAGTGA
ACCAAAAACAGGTGAGCCTGACCTGCCTGGTGAAAGGCTTTTATCCGAGCGATATTGCGGTGGAATGG
GAAAGCAACGGCCAGCCGGAACAACTATAAAACCAACCCCGCGGTGCTGGATAGCGATGGCAGCTTT
TTTCTGTATAGCAAAGTACCGTGGATAAAAGCCGCTGGCAGCAGGGCAACGTGTTTAGCTGCAGCGTG
ATGCATGAAGCGCTGCATAACCATTATACCCAGAAAAGCCTGAGCCTGAGCCCGGGCAAAGGCGGCAGC
CCGAGCTGTATAGCGCGCTGGCGAACAAATGCTGCCATGTGGGCTGCACCAAACGCAGCCTGGCGCGC
TTTTGCGGCGGCGGAGCGGCGGCGGAGCGGCAGCTGGATGGAAGAAGTGATTAACTGTGTGGCCGC
GAACTGGTGCGCGCGCAGATTGCGATTTGCGGCATGAGCACCTGGAGC

RELAX0127

GATAAGACACACACCTGTCTCCATGTCTGCTCCAGAACTGCTCGGCGGACCCTCTGTGTTCTCTGTTT
CCTCCAAAGCCTAAGGACACCCTGATGATCTCTCGGACCCCTGAAGTGACCTGCGTGTTGGTGGATGTG
TCTCACGAGGATCCCGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCTAGAGAGGAACAGTACAACCTCACCTACAGAGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAT
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTGTCCAACAAGGCCCTGCCTGCTCCTATCGAAAAGACC
ATCTCCAAGGCTAAGGGCCAGCCTCGGGAACCTCAGGTTTACACACTGCCTCCATCTCGGGACGAGCTG
ACCAAGAATCAGGTGTCCCTGACCTGCCTGGTCAAGGGCTTCTACCCTTCCGATATCGCCGTGGAATGG
GAGTCCAATGGCCAGCCTGAGAACAACCTACAAGACCACACCTCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACAGTGGACAAGTCTCGGTGGCAGCAGGGCAACGTGTTCTCTCTGTG
ATGCACGAGGCCCTGCACAACCTACACCCAGAAGTCCCTGTCTCTGTCCCCTGGAAAAGGCGGTTCT
GGTGGCTCTCCTCAGCTGTACTCTGCCCTGGCCAACAAGTGTTGTACGTGGGCTGCACCAAGCGGTCC
CTGGCTAGATTTTGTGGCGGTGGAAGTGGCGGCGGATCCGGCTCTTGATGGAAGAGGTTATCAAGCTG
TGCGGCAGAGAACTCGTGCGGGCCAGATCGCTATCTGTGGCATGTCCACCTGGTCC

Fig 11 Continued

RELAX0128

GATAAGACACATACCTGTCTCCATGTCTGCTCCAGAGCTGCTCGGAGGCCCTTCCGTGTTTCTGTTT
CCTCCAAAGCCTAAGGACACCCTGATGATCTCTCGGACCCCTGAAGTGACCTGCGTGTTGGTGGATGTG
TCTCACGAGGATCCCGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCTAGAGAGGAACAGTACAACCTCACCTACAGAGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAT
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTGTCCAACAAGGCCCTGCCTGCTCCTATCGAAAAGACC

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ATCTCCAAGGCCAAGGGCCAGCCTAGGGAACCCAGGTTTACACCTTGCCTCCATCTCGGGACGAGCTG
ACCAAGAACCAGGTGTCCCTGACCTGTCTGGTCAAGGGCTTCTACCCCTCCGATATCGCCGTGGAATGG
GAGTCTAATGGCCAGCCTGAGAACAACCTACAAGACCACACCTCCTGTGCTGGACTCCGACGGCTCATT
TTCTGTACTCCAAGCTGACAGTGGACAAGTCCAGATGGCAGCAGGGCAACGTGTTCTCCTGCTCCGTG
ATGCACGAGGCCCTGCACAATCACTACACCCAGAAGTCCCTGTCTCTGTCCCCTGGCAAAGGTGGCAGC
GGAGGTTCCGGAGGATCTCCTCAGCTGTACTCTGCCCTGGCCAACAAGTGTGCCACGTGGGCTGCACC
AAGAGATCCCTGGCCAGATTTTGTGGCGGCGGATCTGGCGGAGGTTCCGGCTCTTGATGGAAGAAGTG
ATCAAGCTCTGCGGCAGAGAACTCGTGCGGGCCAGATCGCTATCTGCGGCATGTCTACCTGGTCC

RELAX0009

TTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACCAAGCCCAGAGAGGAACAGTACAAC
TCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGACTGGCTGAACGGCAAAGAGTACAAG
TGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACCATCTCCAAGGCCAAGGGCCAGCCC
CGCGAGCCTCAGGTGTACACACTGCCCCCAGCCGGGAAGAGATGACCAAGAACCAGGTGTCCCTGACC
TGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGGGAGTCCAACGGCCAGCCCGAGAAC
AACTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTCTTCTGTACTCCAAGCTGACCGTG
GACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCCGTGATGCACGAGGCCCTGCACAACCAC
TACACCCAGAAGTCTCTGTCCCTGAGCCCCGGC

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GACAAGACCCACACCGCTTGTCTCCATGCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTTG
TTCCCCCAAAGGCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGAC
GTGTCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCA
TTCTTCTGTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCC
GTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGT
GGAAGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAGCGGAGGTGGAGGTGGATCCAGCTGGATGGAAGAA
GTGATTAAACTGTGTGGCCGCGAACTGGTGCGCGCGCAGATTGCGATTTGCGGCATGAGCACCTGGAGC

Fig 11 Continued

Rlx042R

GACAAGACCCACACCGCTTGTCTCCATGCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTTG
TTCCCCCAAAGGCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGAC
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ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCCTGCCGGGAAGAG

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ATGACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
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TTCTTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCC
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R1x052A

GACAAGACCCACACCTGTCCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCCTCCGTGTTCTGTTC
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AGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCGCTC
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Fig 12

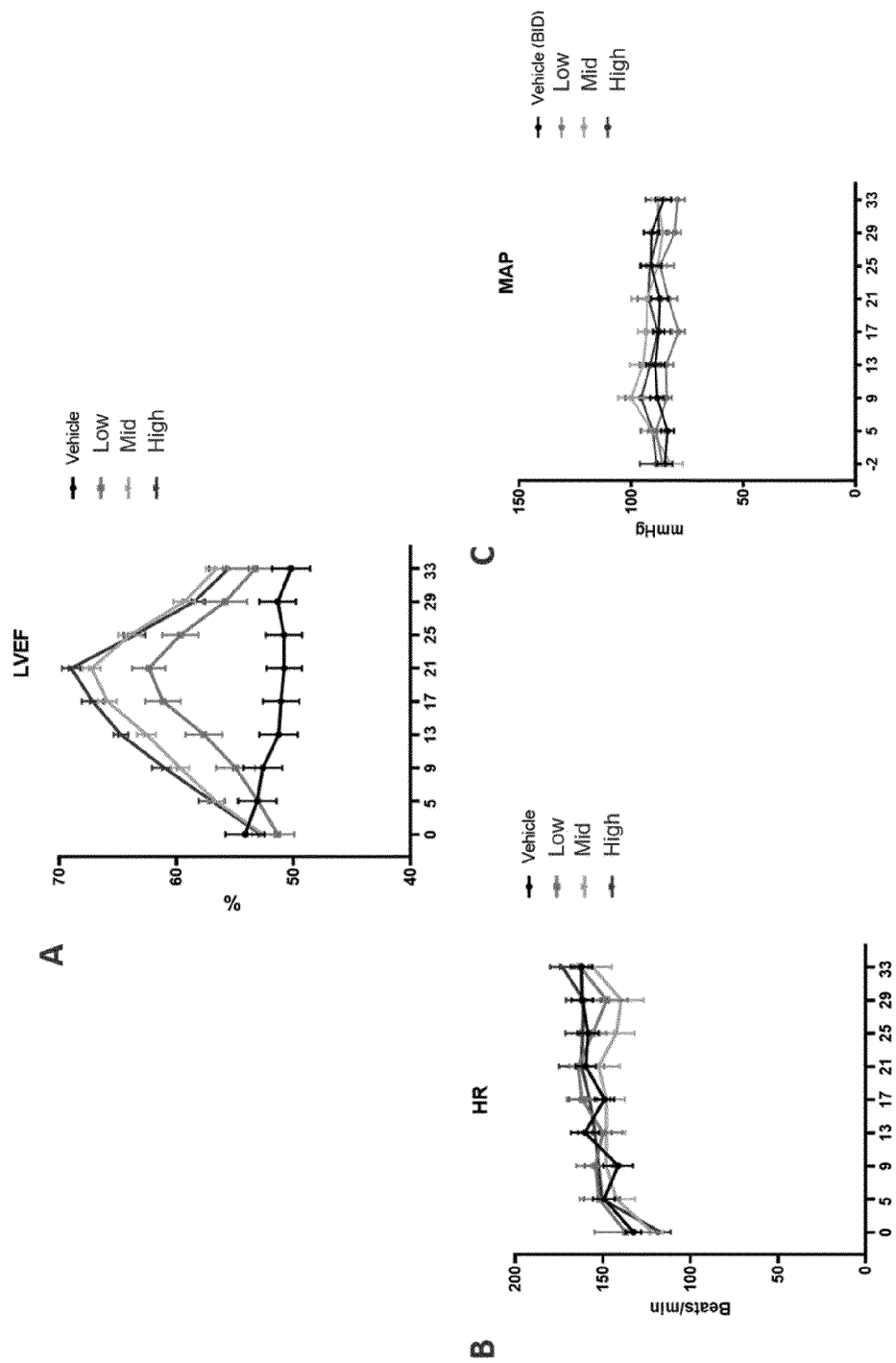


Fig 13A

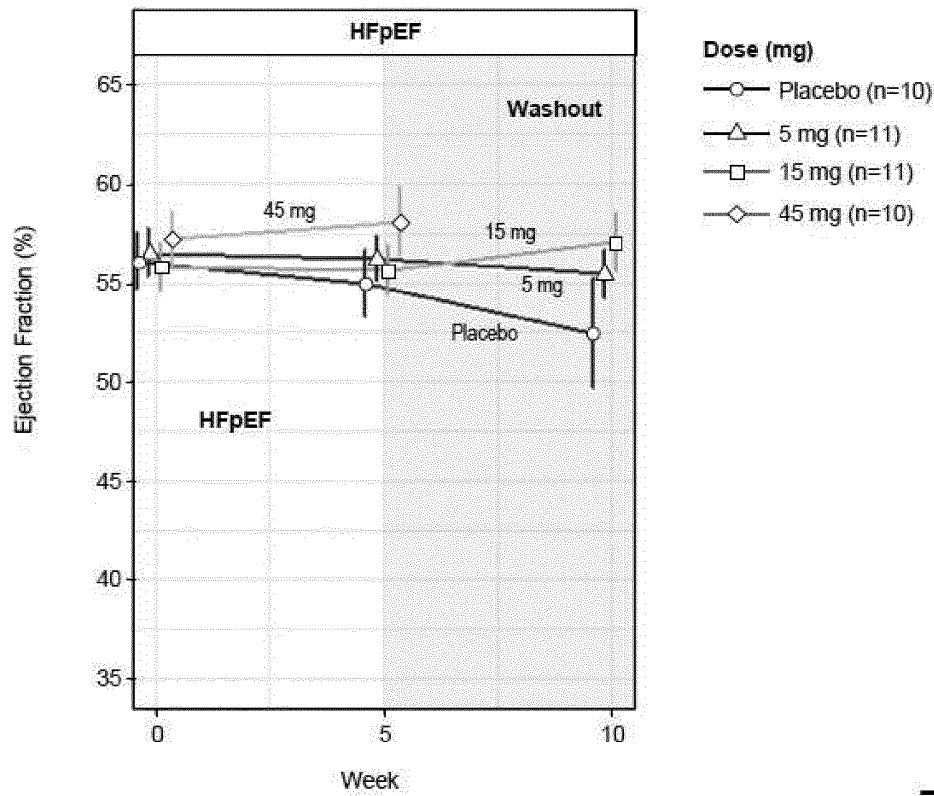


Fig 13B

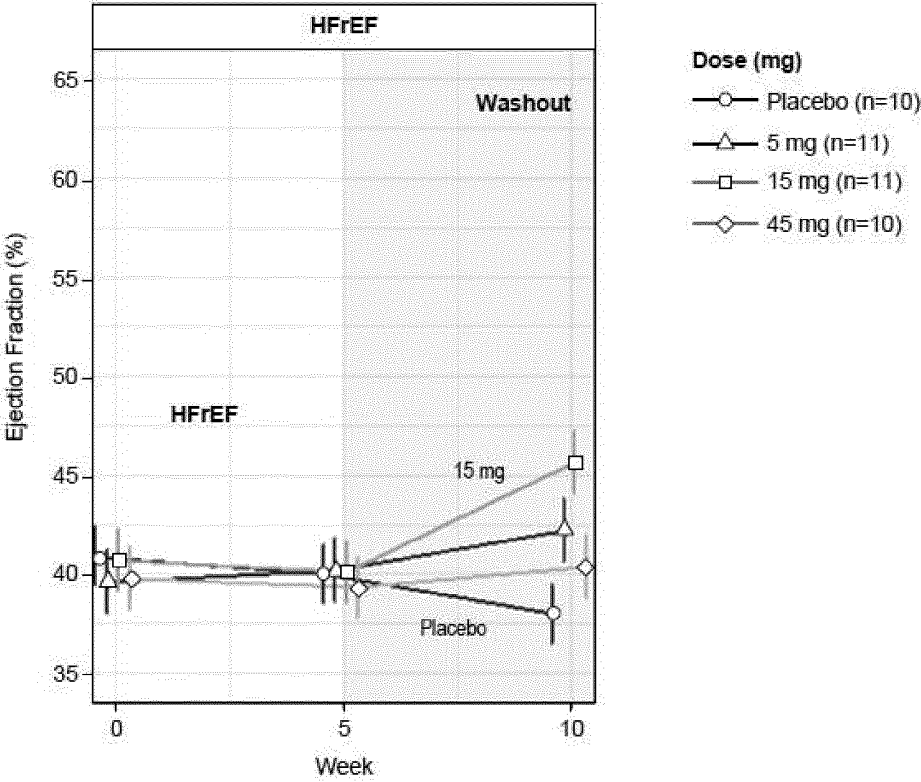


Fig 13C

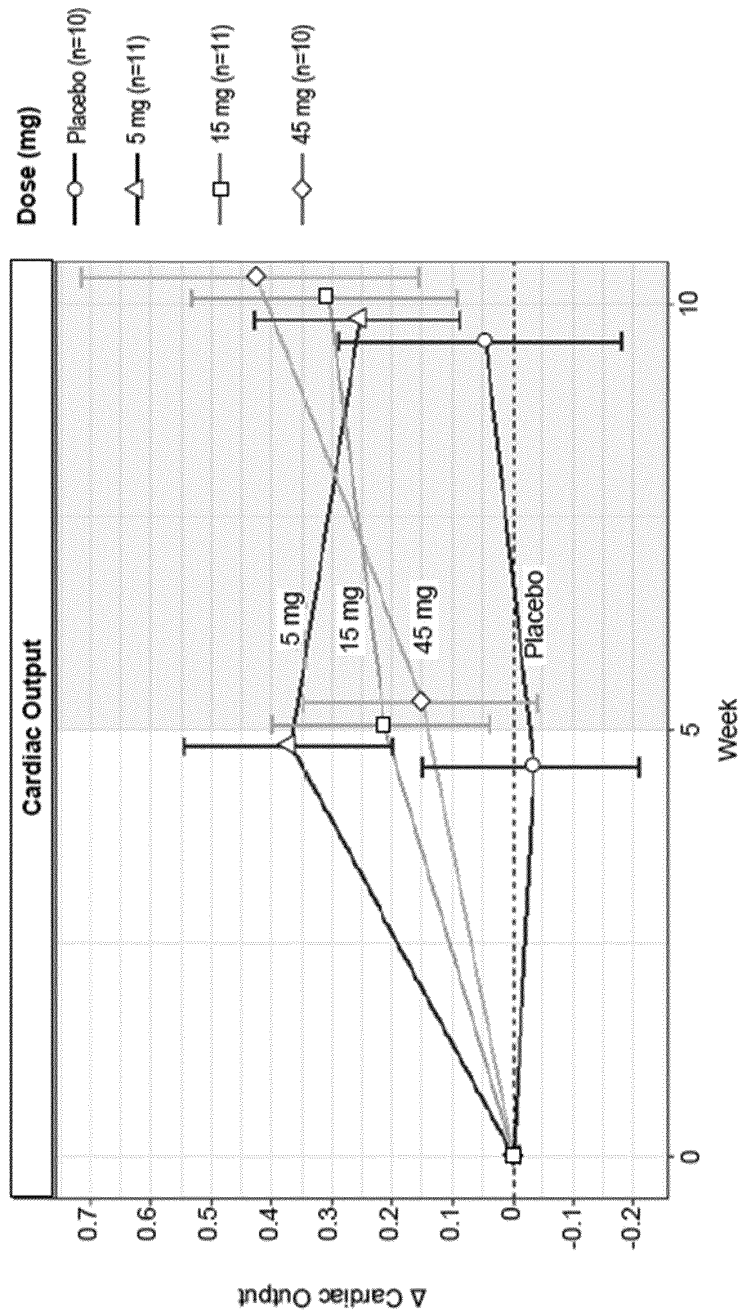


Fig 13D

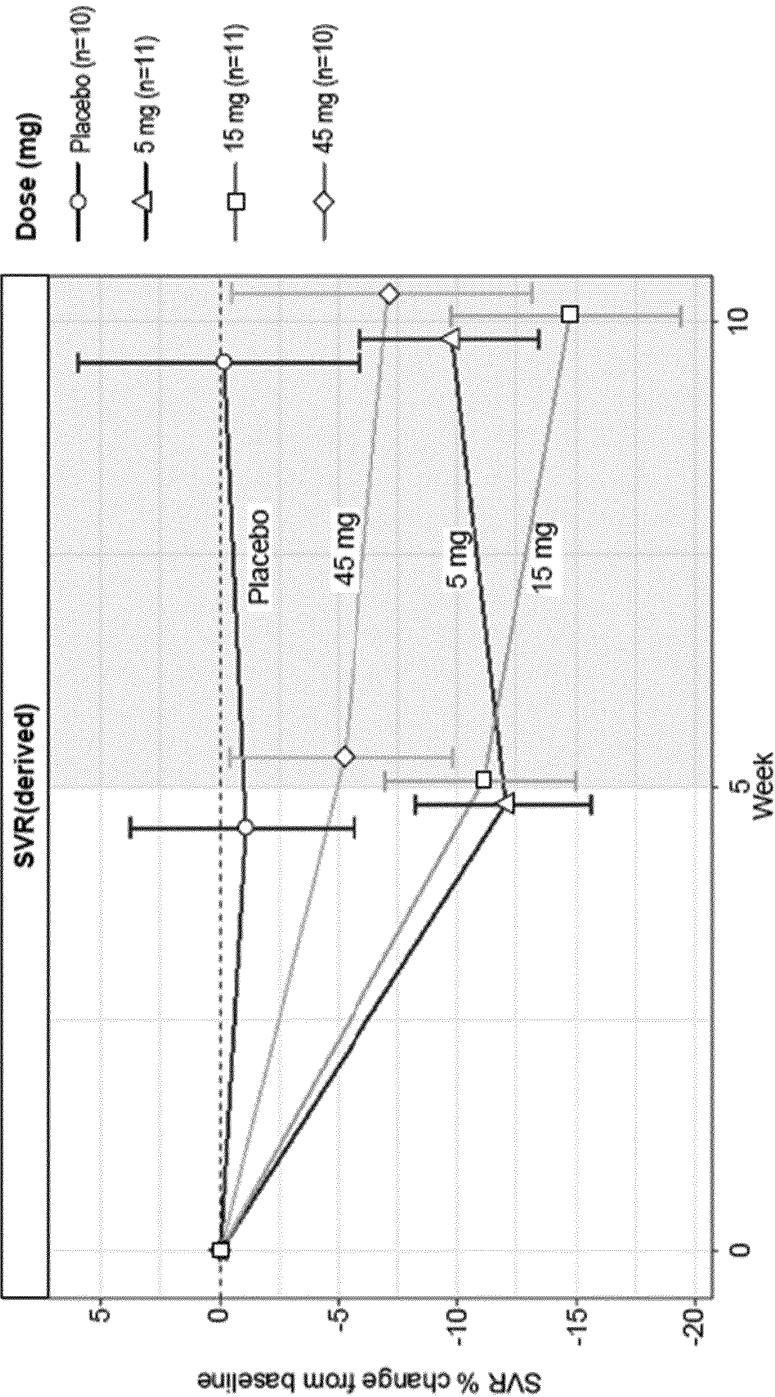


Fig 13E

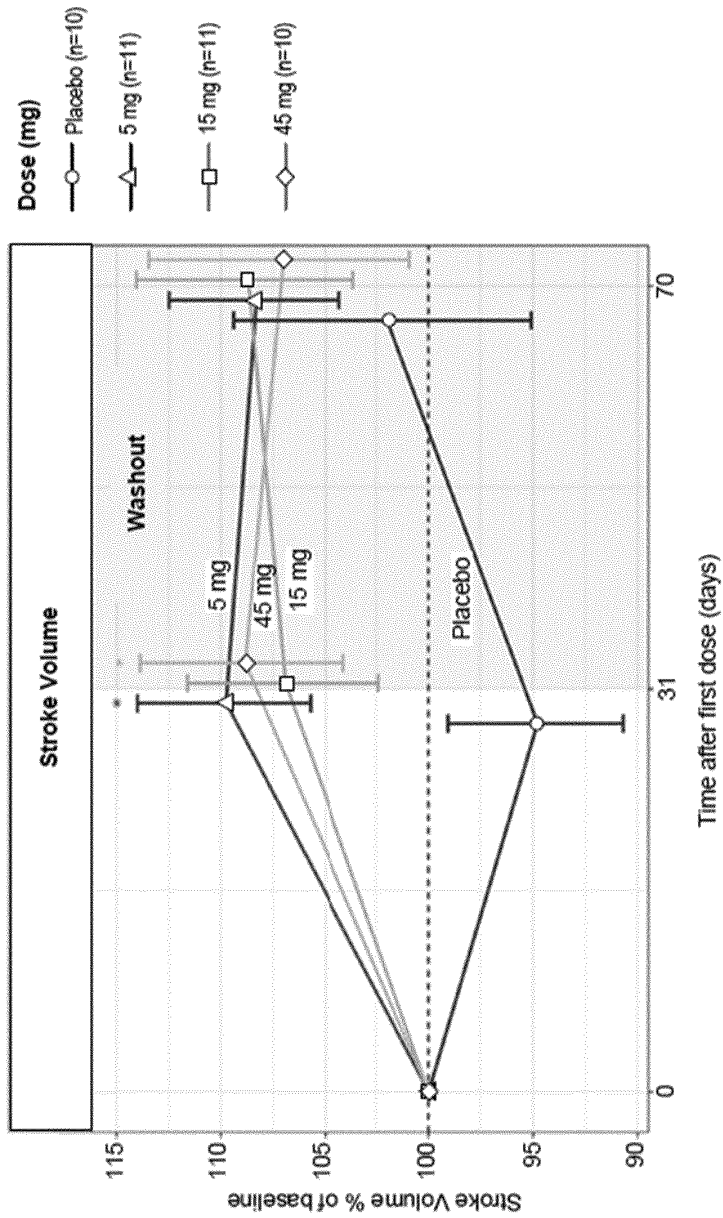


Fig 13F

