

Fig 1

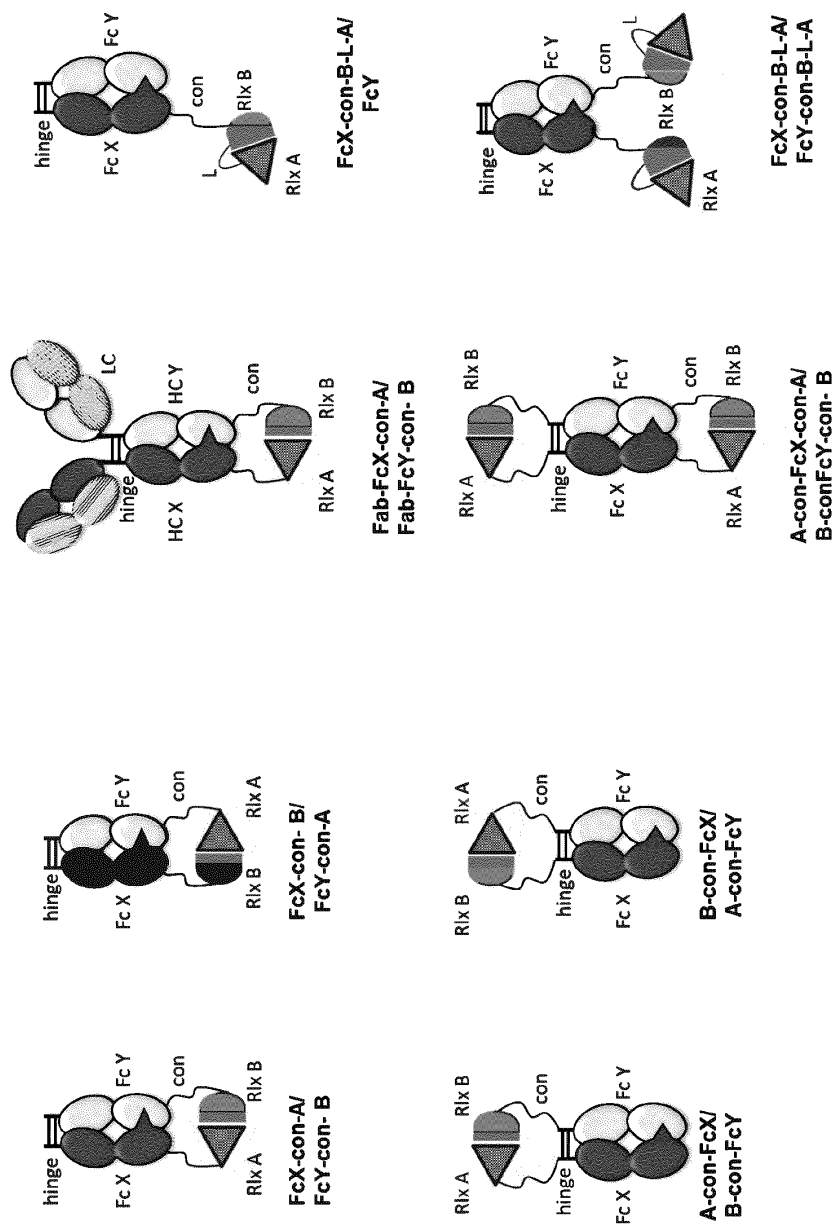


Fig 2

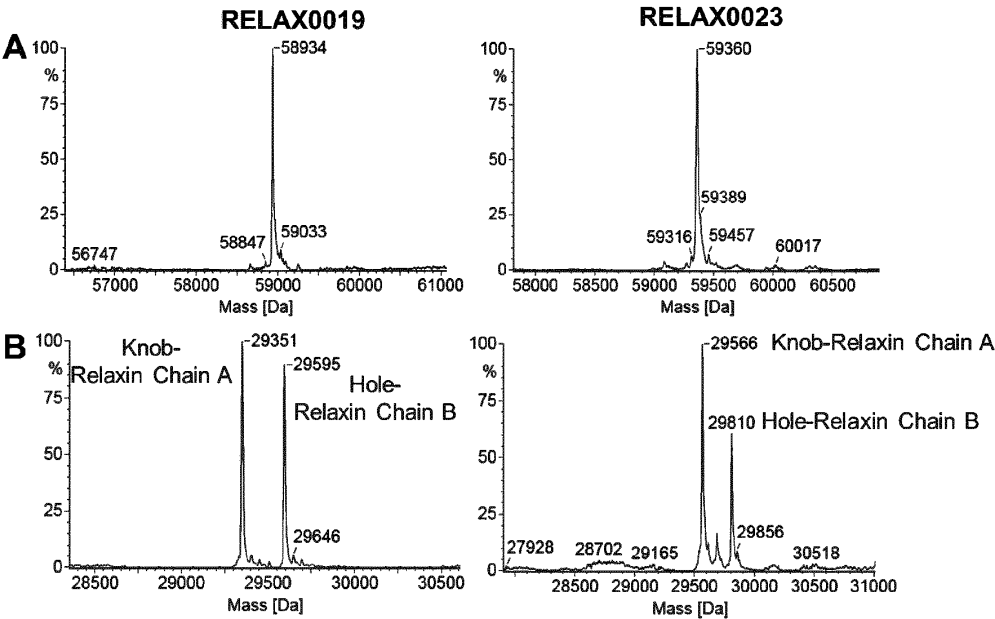


Fig 3

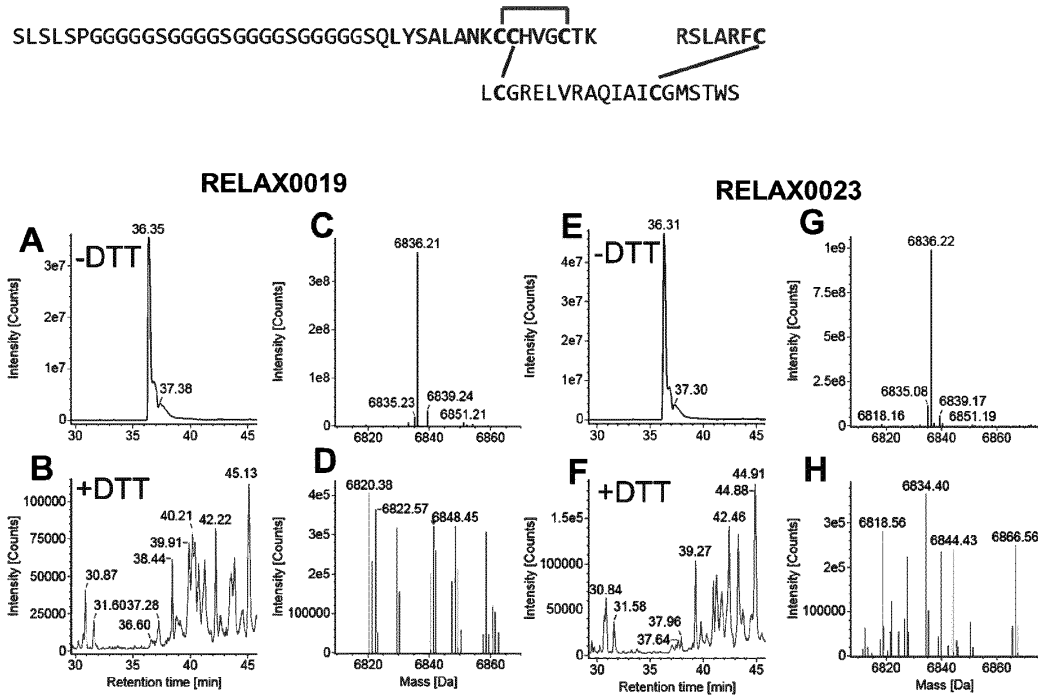


Fig 4

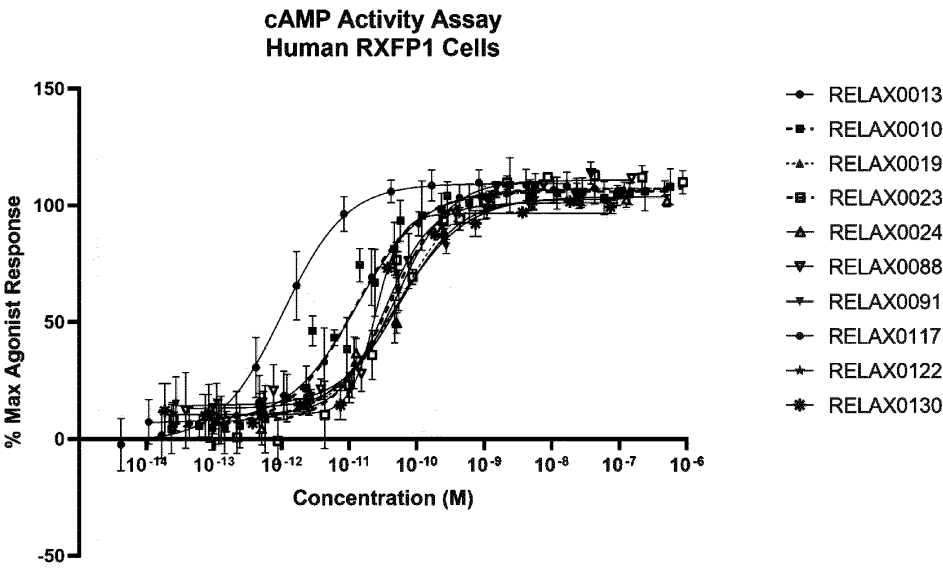


Fig 5

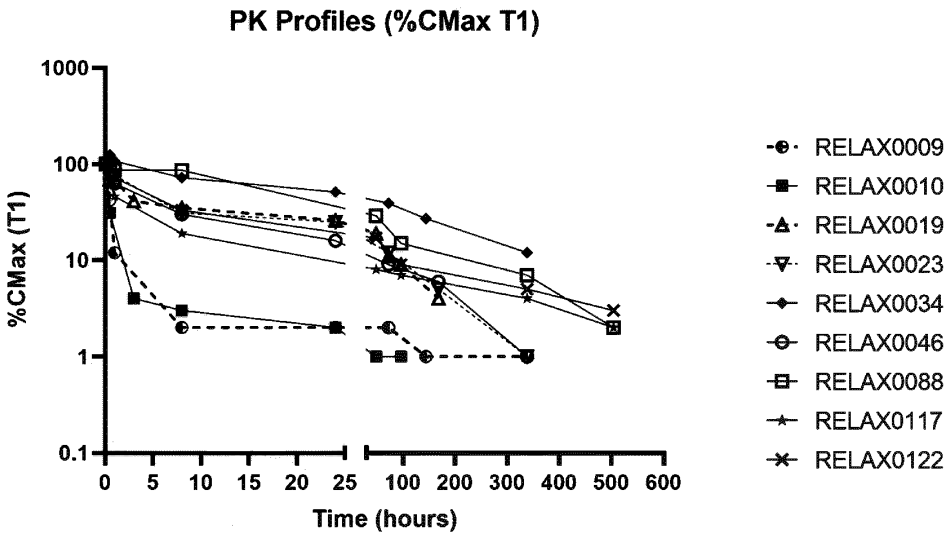


Fig 6

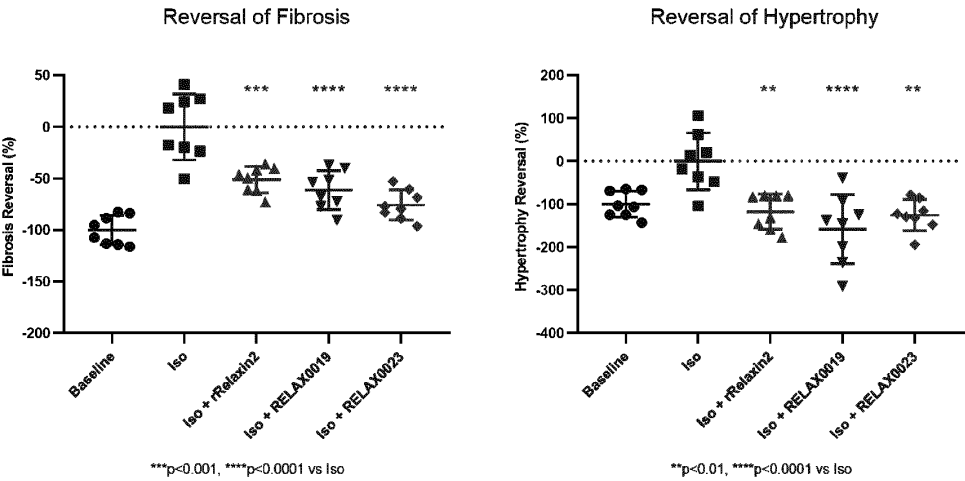


Fig 7

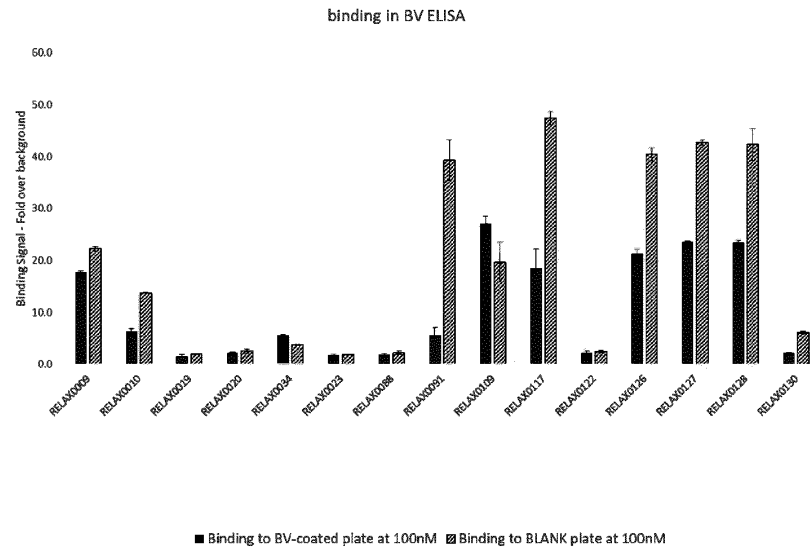


Fig 8

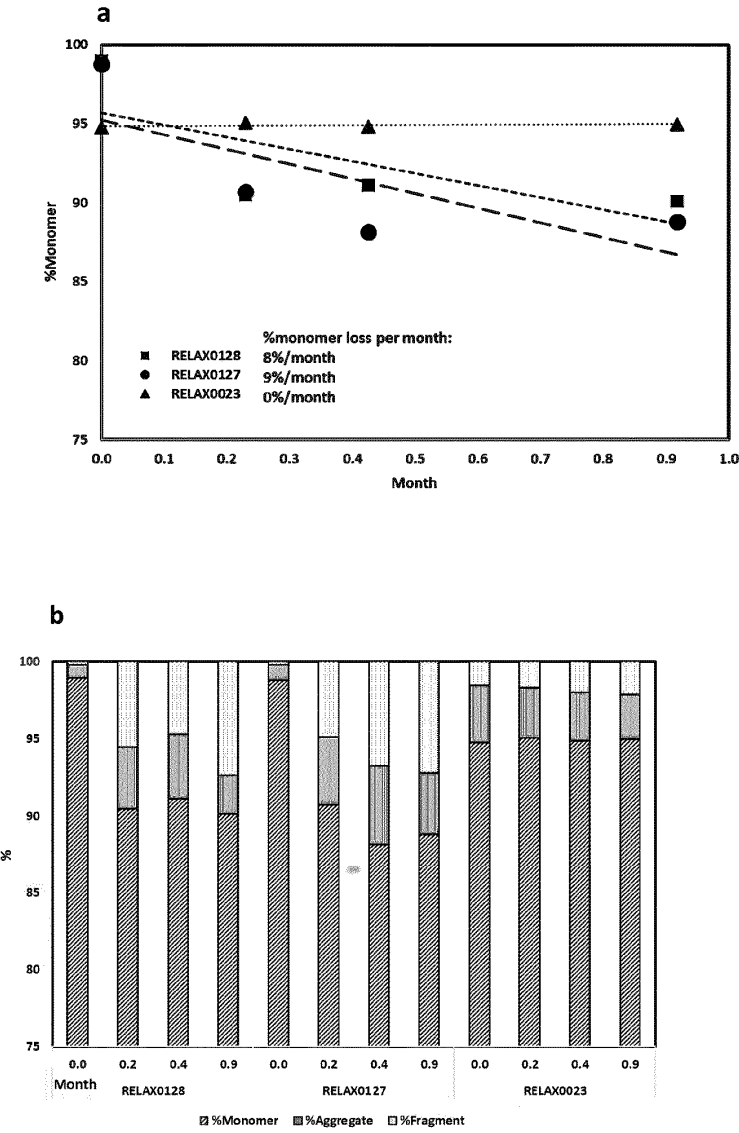
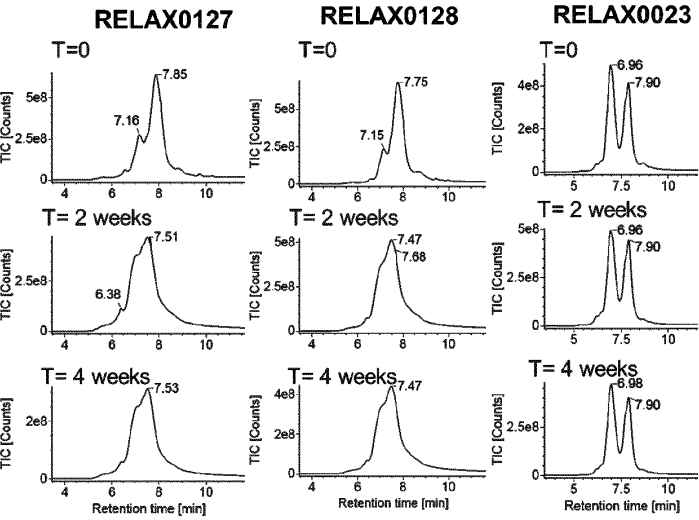


Fig 9

A



B

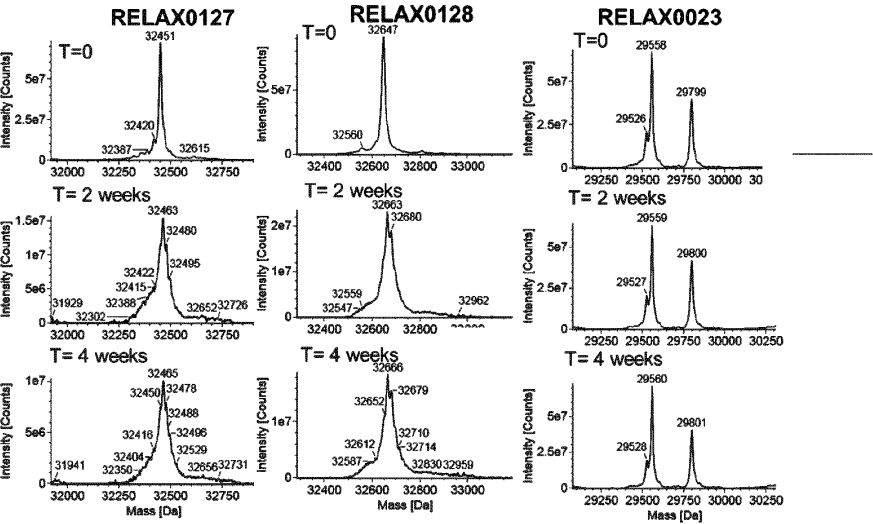


Fig 10

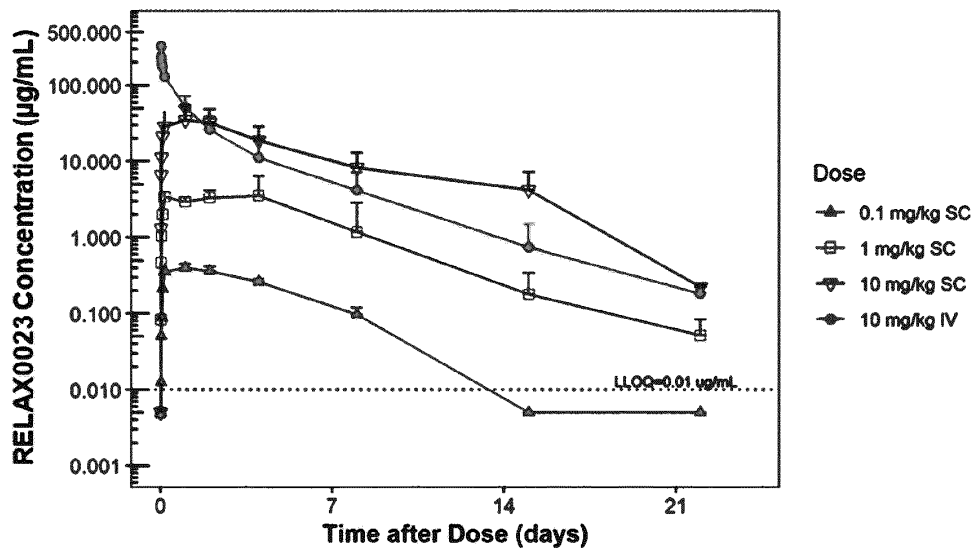


Fig 11

Relaxin A

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TGC

Relaxin B

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ATGAGCACCTGGAGC

FcH01

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FcK01

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RELAX0010

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[illegible]

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Fig 11 Continued

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R1x012

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R1x012b

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R1x012DD

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Fig 11 Continued

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R1x013

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R1x013DD

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Fig 11 Continued

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R1x014

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Fig 11 Continued

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Fig 11 Continued

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TTCCTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGAGGTGGC
TCTGGTGGAGGGGGCGGATCCAGCTGGATGGAAGAAGTGATTAAACTGTGTGGCCGCGAACTGGTGCAG
GCGCAGATTGCGATTGTGCGGCATGAGCACCTGGAGC

R1x024

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTGTTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGTGGAGGGGGC
GGATCCAGCTCTACTCAGCGCTCGCTAATAAGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCC
AGATTCTGC

Fig 11 Continued

R1x025

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTGTTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGGTGTTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGTGGAGGGGGC
GGATCCAGCTGGATGGAAGAAGTGATTAACTGTGTGGCCGCGAACTGGTGCGCGCGCAGATTGCGATT
TGCGGCATGAGCACCTGGAGC

R1x026

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTGTTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGCACCTGCTCCC
GCACCAGCCCCTGCTCCCGCACCAAGCCCCCTGCTCCCGCACCAAGCCGATCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

R1x027

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTGTTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGGTGTTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGCACCTGCTCCC
GCACCAGCCCCTGCTCCCGCACCAAGCCCCCTGCTCCCGCACCAAGCCGATCCAGCTGGATGGAAGAAGTG
ATTAACTGTGTGGCCGCGAACTGGTGCGCGCGCAGATTGCGATTGCGGCATGAGCACCTGGAGC

Fig 11 Continued

R1x028

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTGTTT
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGACACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGCAGCTCCTGCT
CCCGCACCAGCCCCTGCTCCCGCACCAGCCGGATCCCAGCTCTACTCAGCGCTCGCTAATAAGTGTGTG
CATGTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

R1x029

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTGTTT
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGACACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGCAGCTCCTGCT
CCCGCACCAGCCCCTGCTCCCGCACCAGCCGGATCCAGCTGGATGGAAGAAGTGATTAAACTGTGTGGC
CGCGAACTGGTGCGCGCGCAGATTGCGATTTGCGGCATGAGCACCTGGAGC

R1x030

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTGTTT
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGACACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGCACCAGCCCCT
GCTCCCGCACCAGCCGGATCCCAGCTCTACTCAGCGCTCGCTAATAAGTGTGTGTCATGTGGGATGCACA
AAGCGGTCTCTCGCCAGATTCTGC

Fig 11 Continued

R1x031

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCCTCCGTGTTCTGTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGCACCAGCCCCCT
GCTCCCGCACCAGCCGGATCCAGCTGGATGGAAGAAGTGATTAACTGTGTGGCCGCAACTGGTGCGC
GCGCAGATTGCGATTGCGGCATGAGCACCTGGAGC

R1x041E

GACAAGACCCACACCGCTTGTCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCCTCCGTGTTCTGT
TTCCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGGAC
GTGTCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCA
TTCTTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCC
GTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGT
GGAAGCGGAGGAGGTGGCTCTGGAGGGGTGGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCG
CTCGCTAATGAGTGTTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

R1x041H

GACAAGACCCACACCGCTTGTCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCCTCCGTGTTCTGT
TTCCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGGAC
GTGTCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCA
TTCTTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCC
GTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGT
GGAAGCGGAGGAGGTGGCTCTGGAGGGGTGGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCG
CTCGCTAATCACTGTTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

Fig 11 Continued

R1x041L

GACAAGACCCACACCGCTTGTCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCCTCCGTGTTCTCTG
TTCCCCCCTAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCGAAGTGACCTGCGTGGTGGTGGAC
GTGTCCACGAGGACCCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCA
TTCTTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCC
GTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGT
GGAAGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAGCGGAGGTGGAGGTGGATCCAGCTCTACTCAGCG
CTCGCTAATTTGTGTGTGCATGTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

R1x041M

GACAAGACCCACACCGCTTGTCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCCTCCGTGTTCTCTG
TTCCCCCCTAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCGAAGTGACCTGCGTGGTGGTGGAC
GTGTCCACGAGGACCCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCA
TTCTTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCC
GTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGT
GGAAGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAGCGGAGGTGGAGGTGGATCCAGCTCTACTCAGCG
CTCGCTAATATGTGTGTGCATGTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

R1x044E

GACAAGACCCACACCGCTTGTCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCCTCCGTGTTCTCTG
TTCCCCCCTAAAGCCCAAGGACACCCCTGATGATCTCCCGGACCCCGAAGTGACCTGCGTGGTGGTGGAC
GTGTCCACGAGGACCCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCA
TTCTTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCC
GTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGT
GGAAGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAGCGGAGGTGGAGGTGGATCCAGCTCTACTCAGCG
CTCGCTAATAAGTGTGTGTGCATGTGGGATGCACAAAGAGTCTCTCGCCAGATTCTGC

Fig 11 Continued

R1x044H

GACAAGACCCACACCGCTTGTCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCCTCCGTGTTCTCTG
TTCCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCGAAGTGACCTGCGTGGTGGTGGAC
GTGTCCACGAGGACCCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCCTGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCCTGTGCTGGACTCCGACGGCTCA
TTCTTCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCC
GTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGT
GGAAGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCG
CTCGCTAATAAGTGTGTGCATGTGGGATGCACAAAGCACTCTCTCGCCAGATTCTGC

R1x051A

GACAAGACCCACACCTGTCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCCTCCGTGTTCTCTGTTT
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGGAA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGCATGTGGGATGCACAAAGCGGTCTCTCGCCGCCTTCTGC

R1x051I

GACAAGACCCACACCTGTCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCCTCCGTGTTCTCTGTTT
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGGAA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGCATGTGGGATGCACAAAGCGGTCTCTCGCCATCTTCTGC

Fig 11 Continued

R1x051M

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTGTTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGGGA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCATGTTCTGC

R1x051Q

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTGTTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGGGA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCAGTTCTGC

R1x051S

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTGTTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGGGA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCTCCTTCTGC

Fig 11 Continued

R1x051Y

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTGTTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGGA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCTACTTCTGC

R1x052E

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTGTTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGGA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCAGAGAGTGC

R1x052I

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCTCTGTTTC
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGGA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCCAGCTCTACTCAGCGCTC
GCTAATAAGTGTGTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCAGAATCTGC

Fig 11 Continued

R1x055

GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCTCCGTGTTCTCTGTTT
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGGAA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCTCCTGGATGGAGGAGGTT
ATCAAGCTGTGTGGACGCGAACTGGTGCGCGCTCAGATCGCGATATGCGGGATGTCCACATGGTCAGGC
GGCGGCAGCGGCGGCGGCAGCGGCCAGCTCTACTCAGCGCTCGCTAATAAGTGTGTGTCATGTGGGATGC
ACAAAGCGGTCTCTCGCCAGATTCTGC

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GACAAGACCCACACCTGTCCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCTCCGTGTTCTCTGTTT
CCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGGAA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCTCCTGGATGGAGGAGGTT
ATCAAGCTGTGTGGACGCGAACTGGTGCGCGCTCAGATCGCGATATGCGGGATGTCCACATGGTCAGGC
GGCGGCAGCGGCGGCGGCAGCGGCCAGCTCTACTCAGCGCTCGCTAATAAGTGTGTGTCATGTGGGATGC
ACAAAGCGGTCTCTCGCCAGATTCTGC

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TCCTGGATGGAAGAAGTGATCAAGCTCTGCGGCAGAGAACTCGTGCGGGCCAGATCGCTATCTGCGGC
ATGTCTACTTGGAGCGCGGCCGCGGGTGGAGGTGGATCCGGAGGAGGTGGAAGCGGAGGAGGTGGAAGC
GGAGGAGGTGGAAGCGCTTGTCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCTCCGTGTTCTCTG
TTCCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGTTGGTGGAC
GTGTCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTC

Fig 11 Continued

CGACGGCTCATTCTTCCTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTT
CTCCTGCTCCGTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTGTCCCTGAGCCCCGG
C

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CAGCTGTACTCTGCCCTGGCCAACAAGTGTTGCCACGTGGGCTGCACCAAGAGATCCCTGGCCAGATTC
TGTGCGGCCGCGGTTGGAGGTGGATCCGGAGGAGGTGGAAGCGGAGGAGGTGGAAGCGGAGGAGGTGGA
AGCGCTTGTCTCCATGCCCGGCGCCTGAGTTTCGAGGGCGGACCCCTCCGTGTTCTTGTTCCTGTTCCCTGTT
CCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTGTCCACGAG
GACCTGAAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGACAACGCCAAGACCAAGCCCAGA
GAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGACTGGCTGAAC
GGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACCATCTCCAAG
GCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATGACCAAGAAC
CAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGGGAGTCCAAC
GGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTCTTCCTGTAC
TCCAAGCTGACCGTGGAACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTGATGCACGAG
GCCCTGCACAACCACTACACCCAGAAGTCTCTGTCCCTGAGCCCCGGC

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CAGCTGTACTCTGCCCTGGCCAACAAGTGTTGCCACGTGGGCTGCACCAAGAGATCCCTGGCCAGATTC
TGTGCGGCCGCGGTTGGAGGTGGATCCGGAGGAGGTGGAAGCGGAGGAGGTGGAAGCGGAGGAGGTGGA
AGCGCTTGTCTCCATGCCCGGCGCCTGAGTTTCGAGGGCGGACCCCTCCGTGTTCTTGTTCCTGTTCCCTGTT
CCCAAGGACACCCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTGTCCACGAG
GACCTGAAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGACAACGCCAAGACCAAGCCCAGA
GAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGACTGGCTGAAC
GGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACCATCTCCAAG
GCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCTGCCGGGAAGAGATGACCAAGAAC
CAGGTGTCCCTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGGGAGTCCAAC
GGCCAGCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTCTTCCTGTAC
TCCAAGCTGACCGTGGAACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCTCTGCTCCGTGATGCACGAG
GCCCTGCACAACCACTACACCCAGAAGTCTTAAGCTTGAGCCCCGGCGGAGGTGGTGGAAAGCGGAGGA
GGTGGCTCTGGAGGGGTGGAAGCGGAGGTGGAGGTGGATCCAGCTCTACTCAGCGCTCGCTAATAAG
TGTTGTCATGTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

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TCCTGGATGGAAGAAGTGATCAAGCTCTGCGGCAGAGAACTCGTGCGGGCCAGATCGCTATCTGCGGC
ATGTCTACTTGGAGCGCGGCCGCGGTTGGAGGTGGATCCGGAGGAGGTGGAAGCGGAGGAGGTGGAAGC
GGAGGAGGTGGAAGCGCTTGTCTCCATGCCCGGCGCCTGAGTTTCGAGGGCGGACCCCTCCGTGTTCTG
TTCCTGTTCCCTGTTCCCTGTTCCCTGTTCCCTGTTCCCTGTTCCCTGTTCCCTGTTCCCTGTTCCCTGTT
GTGTCCACGAGGACCCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCAT

Fig 11 Continued

CGAAAAGACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCG
GGAAGAGATGACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGC
TGTGGAATGGGAGTCCAACGGCCAGCCCCGAGAACAACACAAGACCACCCCCCTGTGCTGGACTCCGA
CGGCTCATTCTTCTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTC
CTGCTCCGTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGG
AGGTGGTGAAGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCAGCTGGAT
GGAAGAAGTGATTAAACTGTGTGGCCGCGAACTGGTGCGCGCGCAGATTGCGATTTGCGGCATGAGCAC
CTGGAGC

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GACAAGACCCACACCTGTCTCCATGCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCCCTGTTCC
CCCCAAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCCGTG
ATGCACGAGAGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGAGGTGGTGGGA
AGCGGAGGAGGTGGCTCTGGAGAGGCTTGAAGCGAGGTGGAGGTGGATCCAGCTGGATCGAAGAAGTG
ATTAAACTGTGTGGCCGCGAACTGGTGCGCGCGCAGATTGCGATTGTGCGGCATGAGCACC

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GACAAGACCCACACCTGTCTCCATGCCCGGCGCCTGAGTTCGAGGGCGGACCCTCCGTGTTCCCTGTTCC
CCCCAAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTG
TCCCACGAGGACCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAC
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGAAGAGATG
ACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGG
GAGTCCAACGGCCAGCCCCGAGAACAACATAAGACCACCCCCCCTGTGCTGGACTCCGACGGCTCATTC
TTCTTGGTGTCCCAAGTGACCTGACCTGGACAAGTCCCGTGGCAGCAGGGCAACGTGTTCTCTGCTCCGTG
ATGCACGAGGCCCTGCACAACCACTACACCGAAGTCTCTAAGCTTGAGCCCCGGCGAGGTGGTGGGA
AGCGGAGGAGGTGGCTCTGGAGGGGGTGGAAGCGAGGTGGAGGTGGATCCAGTGGATGGAAGAAGTG
ATTAAACTGTGTGGCCGCGAAGTGGTGCGCGCGCAGATTGCGATTGTGCGGCATGAGC

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GAGGTGCAGCTGCTCGAGTCAGGGGGAGGCTTGTTACAGCCGGGGGGGTCCCTGAGACTCTCCTGTACA
ACCTCTGGATTACCTTTAACACGTATGCCATGAGTTGGGTCCGCCAGGCTCCAGGAAGGGGCTGGAA
TGGCTCTCAGGTATTAATAACAATGGTCGGACTGCATTCTACGCAGACTCCGTGAAGGGCCGCTTC

Fig 11 Continued

ACCATCTCCAGAGACAACTCCAAAAACACACTTTATCTGCAAATTAATAGTCTGAGAGCGGACGACACG
GCCGTTTATTTCTGTGCGAAAAGATGTCAGATTTATCGCAGTGCCTGGTGACTCCTGGGGCCAGGGAACC
CTGGTCACCGTCTCCTCAGCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCCCCCAGCAGCAAGAGC
ACCAGCGGCGGCACAGCCGCCCTGGGCTGCCTGGTGAAGGACTACTTCCCCGAGCCCGTGACCGTGTCC
TGGAACAGCGGAGCCCTGACCTCCGGCGTGCACACCTTCCCCGCCGTGCTGCAGAGCAGCGGCCTGTAC
AGCCTGAGCAGCGTGGTGACAGTGCCAAGCAGCAGCCTGGGCACCCAGACCTACATCTGCAACGTGAAC
CACAAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAGACCCACACCTGT
CCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCTCCGTGTTCCCTGTTCCCCCAGGCCCCAAGGAC
ACCTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTGTCCCACGAGGACCCCTGAA
GTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACCAAGCCCAGAGAGGAACAG
TACAACTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGTGTCACCAGGACTGGCTGAACGGCAAAGAG
TACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACCATCTCCAAGGCCAAGGGC
CAGCCCCGCGAGCCTCAGGTGTACACACTGCCCCCCTGCCGGAAGAGATGACCAAGAACCAGGTGTCC
CTGTGGTGTCTGGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGGGAGTCCAACGGCCAGCCC
GAGAACAACTACAAGACCACCCCCCCTGTGCTGGACTCCGACGGCTCATTCTTCTGTACTCCAAGCTG
ACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCCGTGATGCACGAGGCCCTGCAC
AACCCTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGGAAAGCGGAGGAGGTGGCTCT
GGAGGGGTGGAAGCGGAGGTGGAGGTGGATCCAGCTCTACTCAGCGCTCGCTAATAAGTGTGTGCAT
GTGGGATGCACAAAGCGGTCTCTCGCCAGATTCTGC

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GAGGTGCAGCTGCTCGAGTCAGGGGGAGGCTTGGTACAGCCGGGGGGGTCCCTGAGACTCTCCTGTACA
ACCTCTGGATTACCTTTAACACGTATGCCATGAGTTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAA
TGGCTCTCAGGTATTAATAACAATGGTTCGACTGCATTCTACGCAGACTCCGTGAAGGGCCGCTTCACC
ATCTCCAGAGACAACTCCAAAAACACACTTTATCTGCAAATTAATAGTCTGAGAGCGGACGACACGGCC
GTTTATTTCTGTGCGAAAAGATGTCAGATTTATCGCAGTGCCTGGTGACTCCTGGGGCCAGGGAACCCTG
GTCACCGTCTCCTCAGCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCCCCCAGCAGCAAGAGCACC
AGCGGCGGCACAGCCGCCCTGGGCTGCCTGGTGAAGGACTACTTCCCCGAGCCCGTGACCGTGTCTTG
AACAGCGGAGCCCTGACCTCCGGCGTGCACACCTTCCCCGCCGTGCTGCAGAGCAGCGGCCTGTACAGC
CTGAGCAGCGTGGTGACAGTGCCAAGCAGCAGCCTGGGCACCCAGACCTACATCTGCAACGTGAACCAC
AAGCCCAGCAACACCAAGGTGGACAAGAGAGTTGAGCCCAAATCTTGTGACAAGACCCACACCTGTCTCT
CCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCTCCGTGTTCCCTGTTCCCCCAGGCCCCAAGGACACC
CTGATGATCTCCCGGACCCCCGAAGTGACCTGCGTGGTGGTGGACGTGTCCCACGAGGACCCCTGAAGTG
AAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACCAAGCCCAGAGAGGAACAGTAC
AACTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGTGTCACCAGGACTGGCTGAACGGCAAAGAGTAC
AAGTGCAAGGTCTCCAACAAGGCCCTGCCCGCCTCCATCGAAAAGACCATCTCCAAGGCCAAGGGCCAG
CCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGAAGAGATGACCAAGAACCAGGTGTCCCTG
TCCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGGGAGTCCAACGGCCAGCCCGAG
AACAACCTACAAGACCACCCCCCCTGTGCTGGACTCCGACGGCTCATTCTTCTGTGTCCAAGCTGACC
GTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCCGTGATGCACGAGGCCCTGCACAAC
CACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGTGGAAAGCGGAGGAGGTGGCTCTGGA
GGGGGTGGAAGCGGAGGTGGAGGTGGATCCAGCTGGATGGAAGAAGTGATTAAACTGTGTGGCCGCGAA
CTGGTGCAGCGCAGATTGCGATTTGCGGCATGAGCACCTGGAGC

Fig 11 Continued

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GAGCTCGTGTTGACTCAGCCTGCCTCCGTGTCTGGGTCTCCTGGACAGTCGATCACCATCTCCTGCACT
GGAACCAGCAGTGACGTTGGTGGTTATAACTATGTCTCCTGGTACCAACAGCACCCAGGCAAAGCCCC
AAACTCATGATTTATGATGTCAGTAAGCGGCCCTCAGGGGTTTCTAATCGCTTCTCTGGCTCCAAGTCT
GGCAACACGGCCTCCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCAGCTCA
TATACAAGCAGCAGCACTTTGGTATTTCGGCGGAGGGACCAAGCTGACCGTCCTAGGTCAGCCCAAGGCT
GCCCCCTCGGTCACTCTGTTCCCCGCCCTCCTCTGAGGAGCTTCAAGCCAACAAGGCCACACTGGTGTGT
CTCATAAGTGACTTCTACCCGGGAGCCGTGACAGTGGCCTGGAAGGCAGATAGCAGCCCCGTCAAGGCG
GGAGTGGAGACCACCACACCCCTCCAAACAAAGCAACAACAAGTACGCGGCCAGCAGCTATCTGAGCCTG
ACGCCCTGAGCAGTGGAAGTCCACAGAAGCTACAGCTGCCAGGTCACGCATGAAGGGAGCACCGTGGAG
AAGACAGTGGCCCCTACAGAATGTTCA

RELAX0126

GATAAAACCCATACCTGCCCCGCCGTGCCCGGCGCCGGAAGTGC'TGGGCGGCCCGAGCGTGTTTCTGTTT
CCGCCGAAACCGAAAGATACCTGATGATTAGCCGCACCCCGGAAGTGACCTGCGTGGTGGTGGATGTG
AGCCATGAAGATCCGGAAGTGAAATTTAACTGGTATGTGGATGGCGTGGAAGTGCATAACCGGAAAACC
AAACCGCGCGAAGAACAGTATAACAGCACCTATCGCGTGGTGAGCGTGCTGACCGTGCTGCATCAGGAT
TGGCTGAACGGCAAAGAATATAAATGCAAAGTGAGCAACAAAGCGCTGCCGGCGCCGATTGAAAAAACC
ATTAGCAAAGCGAAAGGCCAGCCGCGCGAACCAGGCTGTATACCTGCCGCCGAGCCGCGATGAACTG
ACCAAAAACCAGGTGAGCCTGACCTGCCTGGTGAAAGGCTTTTATCCGAGCGATATTGCGGTGGAATGG
GAAAGCAACGGCCAGCCGGAACAACTATAAAACCACCCCGCCGGTGCTGGATAGCGATGGCAGCTTT
TTTCTGTATAGCAAACCTGACCGTGGATAAAAGCCGCTGGCAGCAGGGCAACGTGTTTAGCTGCAGCGTG
ATGCATGAAGCGCTGCATAACCATTATACCCAGAAAAGCCTGAGCCTGAGCCCGGGCAAAGGCGGCAGC
CCGCAGCTGTATAGCGCGCTGGCGAACAATGCTGCCATGTGGGCTGCACCAACGCAGCCTGGCGCGC
TTTTCGGCGCGGCGGCAGCGGCGGCGGCAGCGGCAGCTGGATGGAAGAAGTGATTAAACTGTGTGGCCGC
GAACTGGTGCGCGCGCAGATTGCGATTGTGCGGCATGAGCACCTGGAGC

RELAX0127

GATAAGACACACACCTGTCCCTCCATGTCTCTGCTCCAGAACTGC'TCGGCGGACCCTCTGTGTTCTCTGTTT
CCTCCAAAGCCTAAGGACACCCTGATGATCTCTCGGACCCCTGAAGTGACCTGCGTGGTGGTGGATGTG
TCTCACGAGGATCCCGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCTAGAGAGGAACAGTACAACCTCCACCTACAGAGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAT
TGGCTGAACGGCAAAGAGTACAAGTGAAGGTGTCCAACAAGGCCCTGCCTGCTCCTATCGAAAAGACC
ATCTCCAAGGCTAAGGGCCAGCCTCGGGAACCTCAGGTTTACACACTGCCTCCATCTCGGGACGAGCTG
ACCAAGAATCAGGTGTCCCTGACCTGCCTGGTCAAGGGCTTCTACCCTTCCGATATCGCCGTGGAATGG
GAGTCCAATGGCCAGCCTGAGAACAACCTACAAGACCACACCTCCTGTGCTGGACTCCGACGGCTCATTC
TTCCTGTACTCCAAGCTGACAGTGGACAAGTCTCGGTGGCAGCAGGGCAACGTGTTCTCCTGTTCTGTG
ATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCCCTGTCTCTGTCCCTGGAAAAGGCGGTTCT
GGTGGCTCTCCTCAGCTGTACTCTGCCCTGGCCAACAAGTGTGTGTCACGTGGGCTGCACCAAGCGGTCC
CTGGCTAGATTTTGTGGCGGTGGAAGTGGCGGCGGATCCGGCTCTTGGATGGAAGAGGTTATCAAGCTG
TGCGGCAGAGAACTCGTGCGGGCCCAGATCGCTATCTGTGGCATGTCCACCTGGTCC

Fig 11 Continued

RELAX0128

GATAAGACACATACCTGTCCTCCATGTCCTGCTCCAGAGCTGCTCGGAGGCCCTTCCGTGTTTCTGTTC
CCTCCAAAGCCTAAGGACACCCTGATGATCTCTCGGACCCCTGAAGTGACCTGCGTGCTGGTGGTGGATGTG
TCTCACGAGGATCCCGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACC
AAGCCTAGAGAGGAACAGTACAACCTCCACCTACAGAGTGGTGTCCGTGCTGACCGTGCTGCACCAGGAT
TGGCTGAACGGCAAAGAGTACAAGTGCAAGGTGTCCAACAAGGCCCTGCCTGCTCCTATCGAAAAGACC
ATCTCCAAGGCCAAGGGCCAGCCTAGGGAACCCAGGTTTACACCTTGCCCTCCATCTCGGGACGAGCTG
ACCAAGAACCAGGTGTCCCTGACCTGTCTGGTCAAGGGCTTCTACCCCTCCGATATCGCCGTGGAATGG
GAGTCTAATGGCCAGCCTGAGAACAACCTACAAGACCACACCTCCTGTGCTGGACTCCGACGGCTCATTC
TTCTGTACTCCAAGCTGACAGTGGACAAGTCCAGATGGCAGCAGGGCAACGTGTTCTCCTGCTCCGTG
ATGCACGAGGCCCTGCACAATCACTACACCCAGAAGTCCCTGTCTCTGTCCCTGGCAAAGGTGGCAGC
GGAGGTTCCGGAGGATCTCCTCAGCTGTACTCTGCCCTGGCCAACAAGTGTTGCCACGTGGGCTGCACC
AAGAGATCCCTGGCCAGATTTTGTGGCGGCGGATCTGGCGGAGGTTCCGGCTCTTGGATGGAAGAAGTG
ATCAAGCTCTGCGGCAGAGAACTCGTGCGGGCCAGATCGCTATCTGCGGCATGTCTACCTGGTCC

RELAX0009

TTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAGACCAAGCCCAGAGAGGAACAGTACAAC
TCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAGGACTGGCTGAACGGCAAAGAGTACAAG
TGCAAGGTCTCCAACAAGGCCCTGCCCCGCTCCATCGAAAAGACCATCTCCAAGGCCAAGGGCCAGCCC
CGCGAGCCTCAGGTGTACACACTGCCCCCAGCCGGGAAGAGATGACCAAGAACCAGGTGTCCCTGACC
TGTCTGGTGAAGGCTTCTACCCCTCCGATATCGCTGTGGAATGGGAGTCCAACGGCCAGCCCGAGAAC
AACTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCATTTCTCCTGTACTCCAAGCTGACCGTG
GACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCCGTGATGCACGAGGCCCTGCACAACCAC
TACACCCAGAAGTCTCTGTCCCTGAGCCCCGGC

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GACAAGACCCACACCGCTTGTCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCTCCGTGTTCTCTG
TTCCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCGAAGTGACCTGCGTGGTGGTGGAC
GTGTCCACGAGGACCCCTGAAGTGAAGTTCAATTGGTACGTGGACGGCGTGGAAGTGCACAACGCCAAG
ACCAAGCCCAGAGAGGAACAGTACAACCTCCACCTACCGGGTGGTGTCCGTGCTGACCGTGCTGCACCAG
GACTGGCTGAACGGCAAAGAGTACAAGTGCAAGGTCTCCAACAAGGCCCTGCCCCCTCCATCGAAAAG
ACCATCTCCAAGGCCAAGGGCCAGCCCCGCGAGCCTCAGGTGTGCACACTGCCCCCAGCCGGGAAGAG
ATGACCAAGAACCAGGTGTCCCTGTCTGTGCCGTGAAAGGCTTCTACCCCTCCGATATCGCTGTGGAA
TGGGAGTCCAACGGCCAGCCCCGAGAACAACCTACAAGACCACCCCCCTGTGCTGGACTCCGACGGCTCA
TTCTTCCTGGTGTCCAAGCTGACCGTGGACAAGTCCCGGTGGCAGCAGGGCAACGTGTTCTCCTGCTCC
GTGATGCACGAGGCCCTGCACAACCACTACACCCAGAAGTCTCTAAGCTTGAGCCCCGGCGGAGGTGGT
GGAAGCGGAGGAGGTGGCTCTGGAGGGGGTGAAGCGGAGGTGGAGGTGGATCCAGCTGGATGGAAGAA
GTGATTAAACTGTGTGGCCGCGAACTGGTGCGCGCGCAGATTGCGATTTGCGGCATGAGCACCTGGAGC

Fig 11 Continued

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GACAAGACCCACACCGCTTGTCTCCATGCCCCGGCGCCTGAGTTTCGAGGGCGGACCCTCCGTGTTCTCTG
TTCCCCCAAAGCCCAAGGACACCCTGATGATCTCCCGGACCCCGAAGTGACCTGCGTGGTGGTGGAC
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