

BnLPAT5-A5 : ATGATGTTGATTTTCTGGGGGTTCCCTATCAGCTGTAGTGATGAGGCTTTTCAGCTTACACTACAGCCGTAATGTGTTTATTTCTTCTTTGGCTCTGGCTCGCCTTGTGGCCTTTCTCTTTGAGAAGA : 130
BnLPAT5-C5 : ATGATGTTGATTTTCTGGGGGTTCCCTATCAGCTGTAGTGATGAGGCTTTTCAGCTTACACTACAGCCGTAATGTGTTTATTTCTTCTTTGGCTCTGGCTCGCCTTGTGGCCTTTCTCTTTGAGAAGA : 130
BnLPAT5-C1 : ATGATGTTGATATTCTGGGGGTTCCCTATCAGCTGTAGTGTTGAGACTCTTCAGCATACTATAGCCGTAATGTGTTTCTTTCTTCTTCGGCTCTGGCTCGCCTTGTGGCCTTTCTCTTTGAGAAGA : 130
BnLPAT5-UK : ATGATGTTGATATTCTGGGGGTTCCCTATCAGCTGTAGTGTTGAGACTCTTCAGCATACTATAGCCGTAATGTGTTTCTTTCTTCTTCGGCTCTGGCTCGCCTTGTGGCCTTTCTCTTTGAGAAGA : 130

ATGATGTTGAT TTCTGGGGGTTCCCTATCAG tGTAGTG TGAG CT TTCAGC TACACTA AGCCGTAATGTGTTT TTTCTTCTT GGCTCCTGGCTCGCCTTGTGGCCTTTCTCTTTGAGAAGA

BnLPAT5-A5 : TCAATAGAACCAAAGTTATCTTCTCAGGGGATAAGGTTCCCTGTGAGTCACGAGTGTGCTCATTGCCAATCACCGAACAGAGGTTGACTGGATGTACTTCTGGGATCTTGCACTGCGTAAAGGTCAGAT : 260
BnLPAT5-C5 : TCAACAGAACCAAAGTTATCTTCTCTGGGGATAAGGTTCCCTGTGAGTCACGAGTGTGCTCATTGCCAATCACCGAACAGAGGTTGACTGGATGTACTTCTGGGATCTTGCACTGCGTAAAGGTCAGAT : 260
BnLPAT5-C1 : TAAACGGAACCAAAGTTGTCTTCTCTGGGGATAAAGTTCCTTGCGAGGAACGAGTATTGCTCATTGCGAATCACCGAACAGAGTTGATTGGATGTACTTCTGGGATCTTGCACTGCGCAAAGGCCAGAT : 260
BnLPAT5-UK : TAAACGGAACCAAAGTTGTCTTCTCTGGGGATAAAGTTCCTTGCGAGGAACGAGTATTGCTCATTGCGAATCACCGAACAGAGTTGATTGGATGTACTTCTGGGATCTTGCACTGCGCAAAGGCCAGAT : 260

T AAc GAACCAAAGTT TCTTCTCtGGGGATAA GTTCCTTG GAG ACGAGT TTGCTCATTGC AATCACCGAACAGA GTTGA TGGATGTACTTCTGGGATCTTGCACTGCG AAAGG CAGAT

BnLPAT5-A5 : TGGGAATATGAAGTATGTCCTTAAGAGCAGTCTGATGAA GTTGCCCTCTGTTCCGGTTGGGCGTTTCACCTCTTTGAGTTTATCCCCGTTGAGCGGAAATGGAAAGTAGATGAAGCAAACCTGAGGCAGATG : 390
BnLPAT5-C5 : TGGGAATATGAAGTATGTCCTTAAGAGCAGTCTGATGAA GTTGCCCTCTGTTCCGGTTGGGCGTTTCACCTCTTTGAGTTTATCCCCGTTGAGCGGAAATGGAAAGTAGATGAAGCAAACCTGAGGCAGATG : 390
BnLPAT5-C1 : TGGGAACATGAAGTATGTGCTTAAGAGCAGCTTGATGAA ACTACCTCTGTTTGGTTGGGCGTTTCACCTCTTTGAGTTTATTCCCCGTTGAGCGGAGATGGGAAGTGGATGAAGCGAACTGAGGCAGATA : 390
BnLPAT5-UK : TGGGAACATGAAGTATGTGCTTAAGAGCAGCTTGATGAA GTTACCTCTGTTTGGTTGGGCGTTTCACCTCTTTGAGTTTATCCCCGTTGAGAGGAAATGGGAAGTCGATGAAGCGAACTGAGGCAGATA : 390

TGGGAA ATGAAGTATGT CTTAAGAGCAG TGATGAAgtT CCTCTGTT GGTGGGCGTTTCACCTCTTTGAGTTTATcCCCgTTGAGcGGAAATGG AAGT GATGAAGC AACTTGAGGCAGAT

BnLPAT5-A5 : GTTTCAGTTTTAAGGATCCTCGAGATGGTTTATGGCTTGGTCTTTTCCCAGAGGCACAGATTACAC-----GCGAAAGGAGCAAGAAGTTTGCAGCTTGAGAAATGGCCTTCCAGAACTGAACA : 509
BnLPAT5-C5 : GTTTCAGTTTTAAGGATCCTCGAGATGGTTTATGGCTTGGTCTTTTCCCAGAGGCACAGATTACACAGAGGCGAAACGCGAAAGGAGCAAGAAGTTTGCAGCTTGAAAATGGTTTACCATACTGAACA : 520
BnLPAT5-C1 : GTTTCAGTTTTAAGGATCCTAGAGACGCTTTATGGCTTGGTCTTTTCCCTGAAGGCACAGATTACAC-----GCGAAAGGAGCAAGAAGTTTGCAGCCGAACATGGCTTACCAGTACTGAGCA : 509
BnLPAT5-UK : GTTTCAGTTTTAAGGATCCTAGAGATGCTTTATGGCTTGGTCTTTTCCCAGAGGCACAGATTACAC-----GCGAAAGGAGCAAGAAGTTTGCAGCTTGAAACATGGCTTACCAGTACTGAACA : 509

GTTTC AGTTTTAAGGATCCT GAGAtG TTTATGGCTTG TCTTTTTcCCcGA GGCACAGATTACAC GCGAAAGGAGCAAGAAGTTTGCAGCTGaa ATGGctTaCCagtACTGAaCA

BnLPAT5-A5 : ATGTCTTGCTTCCCAAGACAAAAGGTTTGTCTCCTGCTTGGAAAGAA TGGATTCTCCTACTTGATGCAGTTTATGATGTGACCATCGGTTACAAAACCCGTTGTCCGTCTTTCTTAGACAATGTCTATGG : 638
BnLPAT5-C5 : ACGTCTTGCTTCCCAAGACAAAAGGTTTGTCTCCTGCTTGGAAAGAACTGGGTTGCTCCTACTTGATGCAGTTTATGATGTGACCATCGGTTACAAAACCCGTTGTCCGTCTTTCTTAGACAATGTCTATGG : 650
BnLPAT5-C1 : ACGTCTGCTTCCCAAGACTAAAGGTTTGTCTCTTGCTTGGCAAGAACTGAGCTCTCCTACTTGATGCAGTTTATGACGTGACCATCGGCTATAAAAACCCGTTGTCCGTCTTTCTTAGACAACGTCTATGG : 639
BnLPAT5-UK : ACGTCTGCTTCCCAAGACTAAAGGTTTGTCTCTTGCTTGGCAAGAACTGAGTTCTCCTACTTGATGCAGTTTATGACGTGACCATCGGTTATAAAAACCCGTTGTCCGTCTTTCTTAGACAACGTCTACGG : 639

AcGTg TGCTTCC A GAC AAAGGTTTcGTCTC TGCTTG AAGAAcTG gtTcCTCACTTGATGCAGTTTATGA GTGACCATCGGtTA AAAACCCGTTGTCCGTCTTTCTTAGACAA GTCTAtGG

BnLPAT5-A5 : TACTGAACCATCAGAAGTTCACATCCACATCCGTCGAATCAGCCAAAACCAAATCCCAAATGAAGAAAAGGAAATCAATGCTTGGTTAATGAACACATTCCAGATCAAAGACCAGCTGCTCAGTGAGTTC : 768
BnLPAT5-C5 : TACTGAACCATCAGAAGTTCACATCCACATCCGTCGAATCAGCCAAAACCAAATCCCAAATGAAGAAAAGGAAATCAATGCTTGGTTAATGAACACATTCCAGATCAAAGACCAGCTGCTCAGTGAGTTC : 780
BnLPAT5-C1 : TATCGAACCATCAGAAGTTCACATCCACATCCGTCGAATCAACCAAAGCAAATCCCAAATCAAGAAAAGGAGATCAATGATTGGTTAATGAACGCGTTTCAGCTCAAAGACCAGCTTCTCAGTGACTTC : 769
BnLPAT5-UK : TATTGAACCATCAGAAGTTCACATCCGAATCCGTCGAATCAGCCAAAAGCAAATCCCAAATCAAGAAAAGGAGATCAATGATTGGTTAATGAACGCGTTCAGCTCAAAGACCAGCTTCTCAGTGACTTC : 769

TA tGAACCATCAGAAGTTCACATCCacATCCGTCGAATCa CAAA CcAAATCCCAAAT AAGAAAAGGA ATCaATG TTGGTTAATGAAC C TtCAG TCAAAGACCAGCT CTCAGTGA TTC

BnLPAT5-A5 : TACTCTCGTGGCCATTTCCCTAACGAAGGAACAGAAAAAGAGTTTCAACACACTGAAGCACCTCATAAACTGCTTGGCAGTATTGTTTACGATCATCTGCACGCATCTCACCTTCTTCTCGTCGATGA : 898
BnLPAT5-C5 : TACTCTCGTGGCCATTTCCCTAACGAAGGAACAGAAAAAGAGTTTCAACACACTGAAGCACCTGATAAACTGCTTGGCAGTATTGTTTACGATCATCTGTACGCATCTCACCTTCTTCTCGTCGATGA : 910
BnLPAT5-C1 : TACTCCAGTGGCCATTTCCCTAACGAAGGAACAGAAAAAGAGTTTCAACACACTGAAGCACCTCATAAACTGCTTGGCAGTATTCTTTCACGACCATCTGCACGTATCTCACCTTCTTTTCGTCATGA : 899
BnLPAT5-UK : TACTCCAGTGGCCATTTCCCTAACGAAGGAACAGAAAAAGAGTTTCAACACACTGAAGCACCTCATAAACTGCTTGGCAGTATTGCTTTCACGGTTCATCTGCAGTATCTCACCTTCTTTTCGTCGATGG : 899

TACTC GTGGCCATTTCCCTAACGAAGGAACAGAAAAAGAGTTCA CACA T AAGCA CTcATAAACTGCTTGGC GTGATTgT TTCAGatCATCTGcaCG ATCTCACCTTCTT TCGTCgATGa

BnLPAT5-A5 : TCTGGTTCAAGATATATGTCTCTTTGGTCTGTGCCTACTTGACCTATGCTACTCATTTCATCTTTCGTCCTGCGCCCTTTGTTGAGACTGCAAAGAAAAGCTTT-----AGTAAAAAATGAACTTTTA : 1022
BnLPAT5-C5 : TCTGGTTCAAGATCTATGTCTCTTTGGTCTGTGCCTACTTGACCTGTGCTACTCATTTCATCTTTCGTCCTGCGCCACTTGTGAGACTGCAAAGAAAAGCTTTCAAATTAGTAAAAAATGAACTTTTA : 1040
BnLPAT5-C1 : TCTGGTTCAAGATCTCTGTCTCTTTGGTCTGTGCCTACTTGGCCTCCGCTACACATTTCAATCTTTCGTTCTGTTCCAATTGTTGAGACTGCAA-AAAAGCCTTCAAAT----- : 1007
BnLPAT5-UK : TCTGGTTCAAGATCTATGTCTCTTTGGTCTGTGCCTACTTGGCCTCCGCTACACATTTCAATCTTTCGTTCTGTTCCAATTGTTGAGACTGCAA-AAAGCCTTCAAATGATTA----- : 1013

TCTGGTTCAAGATcTaTGTCTCTTTGGTCTGTGCCTACTTG CCT GCTAC CATTTCATCTTTCGTT CTG CCaCTTGTGAGACTGCAA AAAAGC TTcaaat a taa

BnLPAT5-A5 : A : 1023
BnLPAT5-C5 : A : 1041
BnLPAT5-C1 : - : -
BnLPAT5-UK : - : -