PLD4 (NC_000014.8, GRCh37) - gDNA - 2026-09-13

aaggccaaat cagagcatca ggaaggtgaa gagagatctg ggaggggcta 105390265
gggagaggat ggatctcttc cccattcact tcctggccca cccagactgg 105390315
ccccaggggt gcagctgaca ggccccaccc ttgggaactg caccctcctg 105390365
actggtgtcc tgcaggcacc ctgaggccat caccctggac ccctgcccta 105390415
cataggcctt acaaggagga gccagggtgg acacccagac ctcattgaaa 105390465
gtaggagtgt tctcaaggtc ccagacctta ctcagggacc ccagtcgggg 105390515
ggtggggcag tgggaggcag agccccttgc taggagcttc tagccaggcc 105390565
caccttttca gatatgccag tgagcagccc cagcttcgtt ctccaagata 105390615
aagaccctag ttacctccat tgctcagcct cccttgcagc taagtgtagc 105390665
catgtgacta agttctagat caagttccag atcacagata agtggaagtg 105390715
ccctgtggga cttccaggaa gtctcctctg ggatgtccct tattctctgc 105390765
taagaacaca gaggcaatgg ctgagttcca gcagccactg tgaggccatg 105390815
aaggcaggga tcctagggac tgggatctga gagcctggct cccaatggca 105390865
gtggagcaat gccatcatct ctagcaaggc cgtctctagc ctgccagccc 105390915
ctggacctgc ttagtgttcg agagtaatga acaaccttgc tgaagccact 105390965
gttccttagg tgtctgtggc ctgcagctga acttgactcc gattcgtagg 105391015
cccgcaactg gagggcctct acctcgaggg agtggggtgt agatttttcc 105391065
tggaggtgaa ggttctcagc cctaccctct agcccgccca cccagctcca 105391115
gccgtctgtt tctgtctcag atgagagggg gcctctcagg acaaagagga 105391165
agtagctgga aggggaagga gccagctgca gagaggagga ggtgagctgc 105391215
AGAGAAGAGG AGGTTGGTGT GGAGCACAGG CAGCACCGAG CCTGCCCCGT 105391265
GAGCTGAGGG CCTGCAGTCT GCGGCTGGAA TCAGGATAGA CACCAAGGCA 105391315

GGACCCCCAG AGgtatgtgc caatgaggcc agggcagctg agaaaagcca 105391365

ggcatgggga aagggctgct gtctgcctcc ctatggcctc agcctcccag 105391415

caaccccagg tccagagagt cacacagcct ccagctagtc ctgtagatga 105391465

ctcgctccgt ccccagtccg tgcagctggg ataagctggg ccctggctct 105391515

ccagccaggt gacagctggg ccctctacct cagcctggga ctggcagcca 105391565

tgcctaatgc cctgcagggc aggaaatctg gcaccttcag ccatgacctc 105391615

tgatgtctgc agggtcttac gctatctacc atgggaccag ggggctacag 105391665

ccctactctg caggggtctc tcagcttgag ccaacctggc tggcggtcct 105391715

cccaggttcc attgcaggag gaggtggtga ggcgctctgg ggtctgtagt 105391765

cctgggaggg gacttggaca ggctccaagt ctgagatggg gcctgcaaga 105391815

ggcagcgcct ctgtgctctg agctgcccgt ctgcctggag catttaaggg 105391865

agcaaaggtc ctctctggtg agggcaggga gtgtggggag cagctgtcca 105391915

agaacagccc tggcacctcg ttgcccagcc acagcccagg attccatgtt 105391965

tcctctcatt gaccagccac agcccaggat tccatgtttc ctcttctgag 105392015

agttagtggg ggagagcaaa ggcccgatgc tgggccctga atccctgggg 105392065

acagtgggga cacggtgggc accctgaggt ctcctctgtg gggtgggggg 105392115

agcatccccc agagttcagc tctggggtgg gggcggcacc cacccacctc 105392165

tgcaggaccc cccagcgtgg ggggagttgg gccgcagtga cttggcctga 105392215

gtcccctgtc cccacacttg gtttatgctc ctacccccaa tcccccataa 105392265

cgcttggtct ccagggcaga ctcagtccag gcccgactcc tgtggtgttc 105392315

ctggcatttc cgccccatgc tgaggcaggc caggttctca aagccctcag 105392365

ccctgacccg tgggaggaca gcccagacga accccagagg cctggaggct 105392415

gagctggctg ctcctgggtg gacagccgac ccaccgagcc ctgggtccca 105392465

gcgcccagcc tggctgcaga cactggcact cagcactgcc caggcccagg 105392515

ccccaaacct cggagacatc cccatcccag ccaggggcca gccagctcct 105392565

gccctggtgg atgtctcagt cagaggctgg ccagccaggt gaccatgctg 105392615

ggcacagacc cctccctgca cccggggagg gcgcctctgt acttgtgagg 105392665

cacccttccc ccatggtggc acctggggca gcctgactgc ttgctttggg 105392715

ggtaggagtg gggatgggag cccacatccc acagggccca gatggcctgg 105392765

ctcccagctc cttgtggggt gaccactctg aggagataag gcgagtccct 105392815

gcagcagagg acaaccccct ctgccagcag taggggtccc actctgccgc 105392865

catctctgcc ctctccacgc ctagcctctc cagcaagggt actgctcagc 105392915

tgccccctct gacctgtggc tctctggagg ggctgccgtg gggccaagac 105392965

aggagcccag cccaggaggg aagcagttat ttataggcca gcaataagag 105393015

gaccaagcga caaaagcaga aacagccctt tcagacgcag tttcagttgt 105393065

ggttgaaaca gggaactgag atgcaaatac ctagatactc actgagtggg 105393115

agaccctgaa aggggagaca cagaaagccg gggcatgtgg ctaggcacag 105393165

acgcccgccc gcccctcgtg cttggcccag gctcagccct ggggaccgcc 105393215

ttaacagcag tccttccggc ttggccaggg ggacaggaca ggtgacatgt 105393265

ggccggctgc gggctccaac acccacacgg cttgtcctcg tggaaagcac 105393315

acccccaaca tccagggcgt gacctcgggc atgagtgggg ggcttttggg 105393365

ggcttatgtg ggtgtctgtg caggggtgtc cccagtgccc agctgcccag 105393415

gcactgaggg gcagttctgg gcagagctgg agctgctggt gatgccaggc 105393465

tgccctgtgc agATGCTGAA GCCTCTTTGG AAAGCAGCAG TGGCCCCCAC 105393515

ATGGCCATGC TCCATGCCGC CCCGCCGCCC GTGGGACAGA GAGGCTGGCA 105393565

CGgtaggact gggggggcccc agggggggagg tggctgggat caatggcctt 105393615

tcaagagctc cgagccagag tggagaggtc acaagcagcc ttgaggggggc 105393665

ctccaagcag aggtgccctg actggtgggc aagggaagcc tccctgggct 105393715

gctccagacc ttccctttat gcccctgctg gaggtgctgg ggacagccag 105393765

ttaccacgag ccacagcatt gcagagtggg ctgcaggccc cctgacccct 105393815

gccaccaccc tgggctgggg gccttctctg tatcaccctc ccctctccct 105393865

tgtccaccct agtcccaccc cagtggcagc ccaggtccgg gaagtcaaga 105393915

cggtctctgt ctcagcactg gaggggccat cgtggcccag ccagaagtca 105393965

agccccgccc tgtctggtga ccctgcgggt gctgccccat ccagTTGCAG 105394015

GTCCTGGGAG CGCTGGCTGT GCTGTGGCTG GGCTCCGTGG CTCTTATCTG 105394065

CCTCCTGTGG CAAGTGCCCC GTCCTCCCAC CTGGGGCCAG GTGCAGCCCA 105394115

AGGACGTGCC CAGGTCCTGG GAGCATGGCT CCAGCCCAGC TTGGGAGCCC 105394165

CTGGAAGCAG AGGCCAGGCA GCAGAGGGAC TCCTGCCAgt aagtgagccc 105394215

atggaggcct gcgggggcag gtctcagttt ggggctgctg cctgtgtttc 105394265

tgcccttgga tctgcccgtg agataagggg ggccctctac cagctcctcc 105394315

aggaaggtgc aggtcaccag ggagggccac gaccatatga gctggagtgg 105394365

gggctgggga cggggcaggc gtgtggtgct ttttgcagca aacagaggct 105394415

gccacctggg ggctctgaca ggctggagaa cactgcctgt gctgaggctc 105394465

acccccтcag tccttccacc cctgggggta atgtcactgt cccctgccgc 105394515

ccctcatcct tccctcccac ccttctttcc ctgcggttgg ggtcctggaa 105394565

tcccaggact gccccggagg aacctgttgg gccatcctgc acacatcccc 105394615

tggaaacggg agcttacctg cccctggccc aacctttccc ttccaggcca 105394665

gctctggcca ccaccaaggg cttccacacc acgaggccac cccagacccc 105394715

agactccaca gctctgctct actctgcccg gcttcaggag cagctgctcc 105394765

ctgtgggcag tgcctcaggg ctgagtgggg ccaggacccc ccagtctagc 105394815

ctgctctgga ccaggcagcc cctctcaggc tccttcccaa attgctcctg 105394865

ggtgtcacca ccccagcagc atgctgggct caggcccacc ctgcccagtc 105394915

tgttttgttg cctatacctt aaacccttac cctgcacact tggcctgggc 105394965

tcatcccggg ggccacctga gcaacggttg ctctggcttg gcagtgggat 105395015

ggggcaggtg atgtgaggtg ggctgggggc tcccgcaccc atactgagcc 105395065

cagtgtggct ctccccacag GCTTGTCCTT GTGGAAAGCA TCCCCCAGGA 105395115

CCTGCCATCT GCAGCCGGCA GCCCCTCTGC CCAGCCTCTG GGCCAGGCCT 105395165

GGCTGCAGCT GCTGGACACT GCCCAGGAGA GCGTCCACGT GGCTTCATAC 105395215

TACTGGTCCC TCACAGGGCC TGACATCGGG GTCAACGACT CGTCTTCCCA 105395265

GCTGgtgcgc cccgccctgg ccccaccgca tcctggtgct ggaaacacag 105395315

caagtcaggc tgcctatcta tgcaggcgtc tcgggcacca ggcccggggg 105395365

ctcagcttgg tggtagggtc tagcatggaa cagggattag gccgctcctt 105395415

tgggggctct aacagcagag gtgtcaagga gctgggcctc tgggtgacta 105395465

aacactcaga ctgtgcctgg tgcagtttgg ctctcaccaa gggtcatcca 105395515

gatacttgac ctgaccttga gctgtgggca gtcataggtg ggcctcctga 105395565

ggaggacatg ggtcctagtg gggatgcgga ggagagggca gcctgaggtc 105395615

agctctcatg gctggcctgg ccttgcagGG AGAGGCTCTT CTGCAGAAGC 105395665

TGCAGCAGCT GCTGGGCAGG AACATTTCCC TGGCTGTGGC CACCAGCAGC 105395715

CCGACACTGG CCAGGACATC CACCGACCTG CAGGTTCTGG CTGCCCGAGg 105395765 P181L D189E

tgggtacctg caccatgctg ggcaccactg ccctagcgtc gggcatgggc 105395815

tgtctggctg gcaccacagg acaaggaaaa gaagtgaggg tgggaaaggt 105395865

gccctggact tccctaggac accccaggag ggcaggaccc agggctctga 105395915

ggtcctttga gtcagcttca cctgggcaca gggctggttc cacggatcca 105395965

aaagtgccat tttccacagg gcagagcaca ggtggcctcg gagccctgct 105396015

gagcccagca gctgacctgt gggtggaggc tcaggctggg acctctggct 105396065

gggcagtgag aggccatggg cagtcaccac aaaggcaggc tctggagctg 105396115

agctgcccag agggatcctg ggccagtcta tccctctgtg tcctcaccta 105396165

taaaatgggg atgaggatag cagcagctta gtaggactgt tgtgaggaca 105396215

tctgagtcaa ccccactgtc aagagcttgg ggtcaggctc accatgaagc 105396265

tagcacttag caagacctag ttcatcccat tgcctgaact ctccaccagG 105396315

TGCCCATGTA CGACAGGTGC CCATGGGGCG GCTCACCAGG GGTGTTTTGC 105396365 R201Q

ACTCCAAATT CTGGGTTGTG GATGGACGGC ACATATACAT GGGCAGTGCC 105396415

AACATGGACT GGCGGTCTCT GACGCAGgtg agtgccaggg ccctaacaca 105396465

ggaggcctgc ctgaagcgtt tccccgcctg cactcctggg gacttggcct 105396515

gacatctcag tgcatctgga gaaagtcgtg tagtcctgtt tacaattcac 105396565

tatggtagaa acaaccggag actggtctaa taaatgatag aattctacac 105396615

agccactgaa ttcatgctgt ggaatcacat tcaatgacat ggaaagatgt 105396665

tcaagtcaca ttacccaggg aagcatggag attacaaaat acaagccttt 105396715

ttaggaaaag caatgcatga aaaacgtgtc agaatggtca tggcaaaggc 105396765

aaccatggtt atcacttgac agtgggatta agaatgatcc cattcttaat 105396815

ggcttgatgc attttctatt gtttttgtaa taaacgtgta ttgctttgat 105396865

cattggaata caatgttcaa aaacacaggc acccgctggg cactcctccc 105396915

accagcacac tctattacag attcctacag gcaatgcttc ccgcaagtgg 105396965

ggaccagtcg ggcagggact gcacctgccc caacatccct ggcctgggtg 105397015

gagtggggtg gaggccccac agaggggttt ttctcccaca gcgcctgact 105397065

ttggtccctg cagGTGAAGG AGCTTGGCGC TGTCATCTAT AACTGCAGCC 105397115 Y248C

ACCTGGCCCA AGACCTGGAG AAGACCTTCC AGACCTACTG GGTACTGGGG 105397165

GTGCCCAAGG CTGTCCTCCC CAAAACCTGG CCTCAGAACT TCTCATCTCA 105397215

CTTCAACCGT TTCCAGCCCT TCCACGGCCT CTTTGATGGG GTGCCCACCA 105397265

CTGCCTACTT CTCAgtaaga cgggttgaga aggagcccat cagaggcccc 105397315

tgttctcccc tggctggcca gacccacagg gagccctctg ggctggccct 105397365

gcagacacca gcagcatcag ctgggtcctc aggcagccag caccatgggt 105397415

ggggctgtgg ccctggggtg agcagcaagc aggctggcat cagtaggctc 105397465

tgggctgtgc ctggaggcag gcttagctcc aggaggacag ctggtcagca 105397515

ccatccctgg gaaacaggcc gcctgggagg tggtgggagg acctggggcc 105397565

ctgggagtct ccagactgct gggcgaggcc aaggggctta gctgggcact 105397615

ggagagggag gggaacccca cttgctctgc ggggaaggaa gggaagagtg 105397665

aggggtgggc agatcctcct ttatcagccc acgggggtgg gggtggacag 105397715

ccctccagcc agccgaggga ctggtctgta gtagaggctg tatcagaaca 105397765

agggaagcct ccctagatgg gggtgggggt ggcaccctga agggagtgga 105397815

taaacttccc tgtggccagg aactgtttct gggacgtcaa tccagcctgg 105397865

agcccagggc agtccagctg cttccccact ctctccgcca ggcctcagag 105397915

ccagtcccca ggacccctgt tgagccgacc ccttctttcc tcatatttcc 105397965

aggcacctgg gccccctccc tccacaccac atggggcctc ttaggtggtg 105398015

catggtgggg tcacaagttc agaatgggct gggctggcag agccttcagg 105398065

gatttctctc ccgtcacagG CGTCGCCACC AGCACTCTGT CCCCAGGGCC 105398115

GCACCCGGGA CCTGGAGGCG CTGCTGGCGG TGATGGGGAG CGCCCAGGAG 105398165 A323V

TTCATCTATG CCTCCGTGAT GGAGTATTTC CCCACCACGC GCTTCAGCCA 105398215

CCCCCCGAGg taggtctgag tgggaggtgg gcggcctgct ctgctgacgg 105398265

gcagctcctg ggcacgtccc ctcctgctgg gacccctatc gggcccggct 105398315

tgtaagcaga gccccgtccc tccccacccc aagGTACTGG CCGGTGCTGG 105398365

ACAACGCGCT GCGGGCGGCA GCCTTCGGCA AGGGCGTGCG CGTGCGCCTG 105398415 A364Rfs*45

CTGGTCGGCT GCGGACTCAA CACGGACCCC ACCATGTTCC CCTACCTGCG 105398465

GTCCCTGCAG GCGCTCAGCA ACCCCGCGGC CAACGTCTCT GTGGACGTGg 105398515

tgagggcgtg ctcccggccg ggcgtgggaa aggcggccct cctgccgccc 105398565

ttcctgacgc gctgcctctg ctcccctaag AAAGTCTTCA TCGTGCCGGT 105398615

GGGGAACCAT TCCAACATCC CATTCAGCAG GGTGAACCAC AGCAAGTTCA 105398665

TGGTCACGGA GAAGGCAGCC TACATAGgtg agcgcgatca gatcacggcg 105398715

ggcgggcccc agggtggcca ggcacgggcg agggaggcac tggctttgtg 105398765

accggcgtgg acacctcagg agggaggggc tgctgctgaa gggggacggg 105398815

gtctccatgg agttccgggg accaggccac ccgcctgtca cctggcccca 105398865

cagggcccca gaacactgag tcaggacgcc tgtccccaag tgatgaaggt 105398915

ggagttctac cgcgaccagc tgtccctccc gcacctaagc gaggggcttc 105398965

cccggctgga gtctgatgac agtggagggg ccagctgcca accgtcccca 105399015

aacccgtagc cgggcctggc gctgagcggg ctgcagaggg gcctgtggga 105399065

gccggcgccc cagtgtctcc tccatcctcc ccgcagGCAC CTCCAACTGG 105399115

TCGGAGGATT ACTTCAGCAG CACGGCGGGG GTGGGCTTGG TGGTCACCCA 105399165 G457D

GAGCCCTGGC GCGCAGCCCG CGGGGGCCAC GGTGCAGGAG CAGCTGCGGC 105399215

AGCTCTTTGA GCGGGACTGG AGTTCGCGCT ACGCCGTCGG CCTGGACGGA 105399265

CAGGCTCCGG GCCAGGACTG CGTTTGGCAG GGCTGAGGGG GGCCTCTTTT 105399315

TCTCTCGGCG ACCCCGCCCC GCACGCGCCC TCCCCTCTGA CCCCGGCCTG 105399365

GGCTTCAGCC GCTTCCTCCC GCAAGCAGCC CGGGTCCGCA CTGCGCCAGG 105399415

AGCCGCCTGC GACCGCCCGG GCGTCGCAAA CCGCCCGCCT GCTCTCTGAT 105399465

TTCCGAGTCC AGCCCCCCCT GAGCCCCACC TCCTCCAGGG AGCCCTCCAG 105399515

GAAGCCCCTT CCCTGACTCC TGGCCCACAG GCCAGGCCTA AAAAAAACTC 105399565

GTGGCTTCcc ggtgcctctg tgtgagtccc gcgcgggcgg cccttcatcc 105399615

tcttgccaag ggcccgcctc tatgcgcccg cccctgcgaa actgcgccgc 105399665

gcgaccgccg tggcagcgcc tcagctagcc ccgggtccgc gagaacctgg 105399715

ggcggggcgg ggcggggacc agacgggcct cccaggcgga gcgaaccctc **105399765**

cacctcccac cccgcgccgg gctgccgcgc tccggaaccc aaattcccgc **105399815**

cccgaggctg ccgggggaag cgagaggcgc ggagcccacg cccgggactc **105399865**

cagcggagga aacgcagacc aaggcgcagc gccgcgcacc caccgccagg **105399915**

gggcagctcc tacggcgccg gacaggggcg gcgcgggagg ggagcggggc **105399965**

tgaggggacc gggagggcgg gaggggacct gcgactgagg ggacagggag **105400015**

ggcgggaggc gacccgcggc tgagtgaggg aagggcggga ggggacccgc **105400065**

ggctgagggg accgggaggg cgggaggcga cccgcggctg agtgagggga **105400115**

gggtgggagg ggacccgcgg ctgaggggac agggagggcg ggaggggacc **105400165**

cgcggctgag gggaccggga gggcgggagg cgacccgggg ctgagtgagg **105400215**

ggagggcggg aggggagcgg ggctgagggg accgggaggg cgggagggga **105400265**

cctgcgactg aggggacggg gaggatgtga ggcgatccgg ggctgagtga **105400315**

ggggagggtg ggaggggacc cgcggctgag gggacgggga gggcgggagg **105400365**

ggacccgcgg ctgaggggac ggggagggcg ggaggcgacc cggggctgag **105400415**

gggacgggga gggcgggagg ggacccgcgg ctgaggggac aggtcctgcg **105400465**

tgcgggctgg ggagacaggc gggcgagggt aggggtgcac aaggctgtgt **105400515**

ggtttgtggg ctgttgtgca gggtgggtcc aagcatgtgg gggcaggctt **105400565**

gtcctggg

PLD4 (NC_000014.8, GRCh37) - gDNA - 2026-09-13