

## Isolation of a candidate gene for Norrie disease by positional cloning

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The following revised versions of Figs 2,3,5 and 6 should have appeared in this paper.

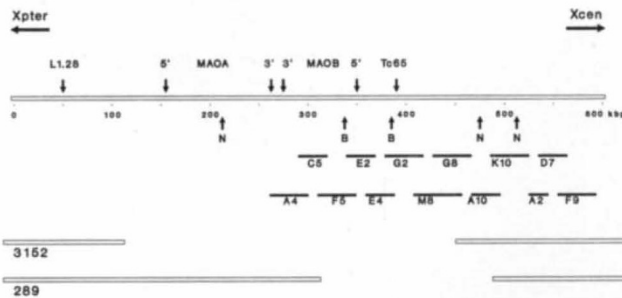


Fig. 1 Overlapping cosmid clones (dark bars) spanning the proximal half of YAC1 which encompasses the ND gene as well as two submicroscopic deletions (nos 3152 and 289). 5' and 3' ends of the MAO genes, the locations of marker sequences L1.28 (DXS7) and Tc65, as well as BSSHI (B) and NotI (N) restriction sites are indicated by arrows.

Fig.3 The ND gene region as defined by microdeletions. The location of cosmids (dark bars) and EcoRI restriction sites (arrows) are indicated above. Genomic fragments hybridizing to cDNA C2 are underlined.

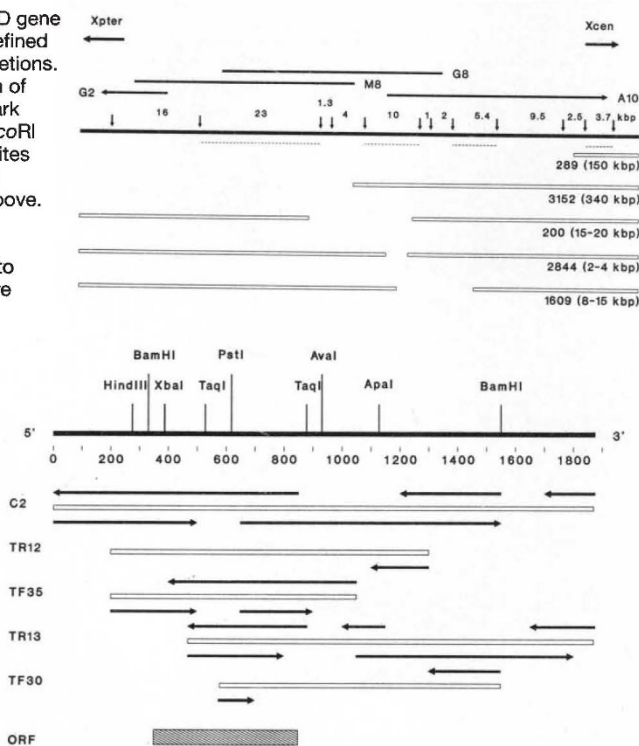


Fig. 5 Overlapping cDNA clones (open bars) spanning 1.9 kb of the putative ND gene, which were isolated from fetal (C2) and adult retinal libraries (TR12, TR13), and from a fetal brain library (TF30, TF35). Sequenced segments are indicated by arrows, and the open reading frame given as shaded box.

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1  GGACAAAGCC TCCTCTCTCC TCCCTCTCTC TCCTCTCTCC TCCTCTCTCC TGTGTGCTTT
61  AAGAGACAGT CCTACTCTTT GTGTGTGTCA AATATAAAGG GCAAGCCATG TGACAGAGGG
121 ACAGAAAGAC AAAGCATTTC GGAAGTAAAC GGACCTCTTT CTAGCTCTCA GAAAGATCTG
181 AAGAAGAAGG AGCCCTCGCT TCCCTAAGC TGTGACAGAG ATACTGTGAT GATGATGCTG
241 AAGTGCAAAG AGTAAGACAA AACTCCAGCA CATAAAGGAC AATGACAACC AAGAAAGCTC
301 AGCCCGATCC TGCCCTTCCC TTGAACGGGA CTGGATCTTA GGAGGTGAAG CCATTTCCAA
361 TTTTTTGTCC TCTGCTCTCC TCTGCTGTTC TTCTAGAGAA GTTTTTCTTT
421 GAAAACATGT ACTAGCTGCA TCCTTTTCTA TGCTCTCCCT GCTGTGTGATA ATGGGGGATA
481 KHV LAA SFSM LSL LVI MGD T
CAGACAGTAA AACCGACAGC TCATTCTATA TGGACTCGGA CCTCGACGC TGCAATGAGCC
D S K T D S S F I M D S D P R R C M R H
541 ACACAGATGT GGATTCATAC AGTACCCCAT TGTACAAGTG TAGCTCAAGG ATGTGTCTCC
H Y V D S I S H P L Y K C S S K M V L L
601 TGCCAGGTC CGAGGGGAC TGCAAGCAGG CGTCAAGCTC CGAGCCCTTG GTGTGTCTCA
A R C E G H C S Q A S R S E P L V S F S
661 GCACGTCTCT CAAGCAACCC TTCCTTCTCT CCTGTCTACT GTGCGGGCCC CAGACTTCCA
T V L K Q P F R S S C H C C R P Q T S K
721 ACCTGAAGGC ACTGCGGCTG CGATGCTCAG GGGCATGCG ACTCACTGCC CCTCAAGCGT
L K A L R L R C S G G M R L T A T Y R Y
781 ACATCTCTCT CTGTCACTGC GAGGAATGCA ATCTGTGAGG CCGCTGTCTG TGTGTGCTTT
I L S C H C E E C N S -
841 CTGGATGGA CCACTGTAGA GGCATTTGGA CCAGCCAGGG AAAGACTGGC AAGAAGAG
901 TAAAGCAGAA AAGAGATGCA ACATTTCTCC CGGACTCTCC CATATTCATG TAATAAGAC
961 TCTACATGCT TGTGACAGA GAGAGATCT CTGGAACTT CTTTGAGTTC CCATCTCTCT
1021 TCTCTGGTA CAATTTCTTT TGGTTCATTT TCAGATTCAG GCAATTTCCC CCTTGGCTCT
1081 CAATGCTGTT TGGGTTTCCA ACAATTCAGC ATTAGTGGGA AAAGTGGGC CCTCATAC
1141 AAGCGTGCA GCGTCTCAGT GTTTGGTGA CCGTGGGGA GAATTTACT TGGAAAGTG
1201 AAAAGCCAG CTTCTCTGCG GACACTTCTC GTTATGTGT AGTGTTTT TTAGCTGTG
1261 ATTTTGGTCT AAGGTGCGA TTGCTGCAA AGGTTACGA TTTCAAAGTC CAGATACAA
1321 GCATGGGAT ATGTTTAGCT ACGTTTACT ACAGCCAGCG AAAGTACAT TAAATAACT
1381 AACAAACAGA TTCTTTATG TGATGCTGGA ACTCTTGACA GCTATAATTA TTATTCAGAA
1441 ATGACTTTT GAAAGTAAAA CGAGCATAAA GAATTTGTCA CAGGAAGGCT GTCTCAGATA
1501 AATTTATGTA AATTTTGTG AGGGAGCAGA CTTTAAAGA CTTCACAAA TACGATGCT
1561 GCATCACTC TGGAAAGGC ATATATGAC TGTGTGATG GAGAAATGCA CACTCTCAG
1621 CATCAAAAT AGACAAACCA GTATGAATCT ATTTGTTGGT GTCTATAGC TTAGCCGCTG
1681 TCACGGGATC CATTCTCAA TATCCACTTG TCCATGTGAA ACATGTGCC AAAATGCTC
1741 TGCGTGTCT TCTGAACGTT TGGTCAAAAT GTTTTTTGT CCTGGAGGCT CAAATTTTGA
1801 GTTATTCCCA CGTTTGTAAA TAAAAGAAGT ATATTCAAA AAAAAAAAAA AAAAAAAAAA
1861 AAAAAAAAAA AA
    
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Fig. 6 Nucleotide sequence (EMBL accession number X65724) of the consensus cDNA, and deduced amino acid sequence starting with the putative translation initiation codon at position 417.

## The peripheral myelin protein gene *PMP-22* is contained within the Charcot-Marie-Tooth disease type 1A duplication

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In Fig. 1, part *b* should have been represented by the figure reproduced below.

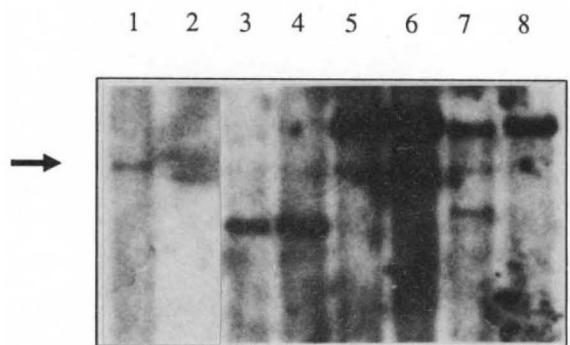


Fig. 1 Cell hybrid mapping of *PMP-22* to human chromosome 17p11.2. *b*, Southern blot of *TaqI* digested DNA hybridized with *pmp-22* cDNA CD25: lane 1 human; lane 2 hamster; lanes 3–4 somatic cell hybrid FTH(17)L4; lanes 5–7 somatic cell hybrids GM10889, GM10501 and GM10331, lane 8 mouse B82. The 5.5 kb human *TaqI* fragment is indicated by the arrow. The lower weight *TaqI* band seen in FTH(17)L4 corresponds to the hybridization signal obtained with *TaqI* digested DNA from the parent rat line FT02B of FTHB9(17)L4 with the *PMP-22* cDNA CD25.