SUPPLEMENTARY DATA

Exon	Primer sequences 5' to 3'	Size in bp
ROM1		
Ex 1A Forward	GGGGCTGACAGGGGGGCG	339
Ex 1A Reverse	GGGGCAGGACAGGGAACTG	
Ex 1B Forward	CCTGTCAGTTCCCTGTCCTGC	450
Ex 1B Reverse	GAGGAAGGGAGACGCAAATCAC	
Ex 2 Forward	AGGCCTCTATCTCCAGACAT	450
Ex 2 Reverse	AGTCCCGGGTGGGAGGAGGT	
Ex3 Forward	CAACCCTGGGCCTCTTGGAA	403
Ex3 Reverse	GCCTTGGTAAGGAGTTGTGA	
GUCA1		
Ex 3 Forward	ACAGCTCAAGGCTGTAATCC	598
Ex 3 Reverse	GGTCCCTCCAGCACTTCC	
Ex 4 Forward	GCCTGAGGCTGGAGTGAG	285
Ex 4 Reverse	TGTTCTAACCCTGGGCTCTC	
Ex 5 Forward	CCCAATCCTACCCCTGAGAT	246
Ex 5 Reverse	CCTCTCCTTTAGTGACCTTCCA	
Ex 6 Forward	TGCTCTGGACTGCAGAAATG	476
Ex 6 Reverse	GCAGAGGGATGTTGAACAGTG	
NXNL1		
Ex 1 Forward	TGAAGTCCTAAGCTGGTTTTCT	489
Ex 1 Reverse	TTCACTTTCAGCGAACATGC	
Ex 2 Forward	GATCCGTCCAGACTGACCTG	384
Ex 2 Reverse	TCATCAACAAACCCCACTCC	

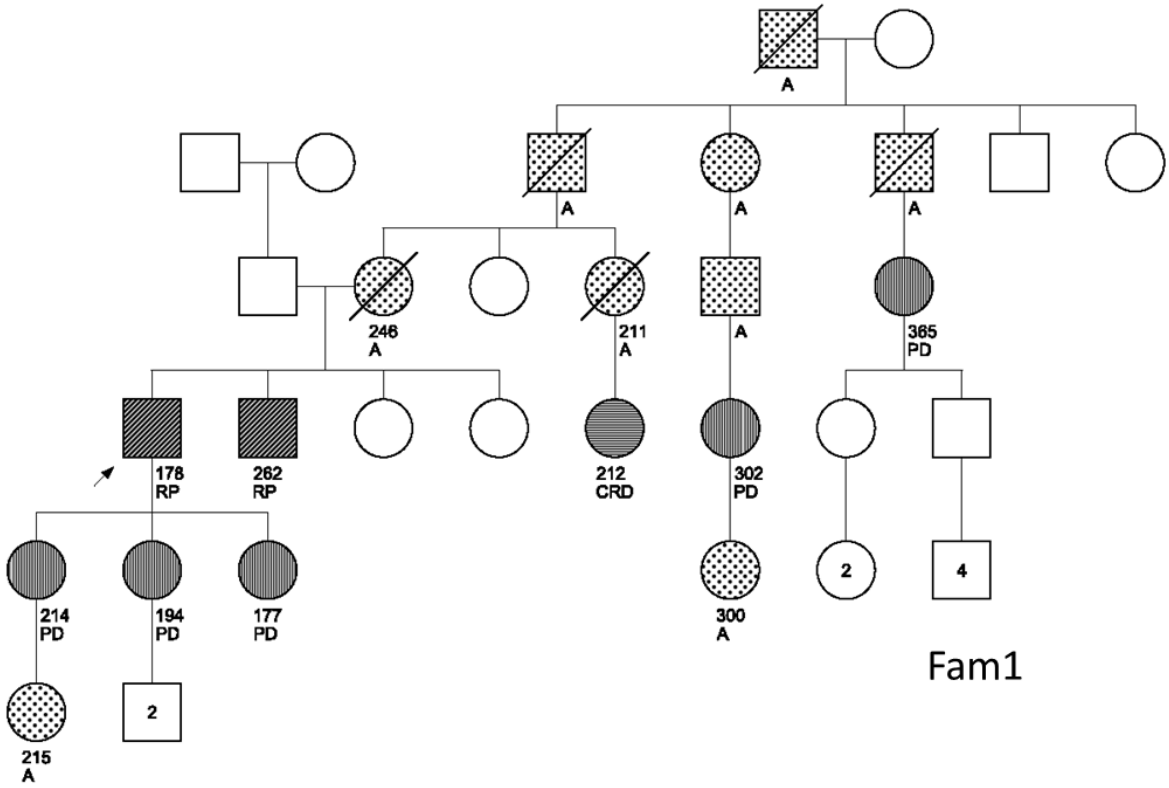
Supplement 1: Primers used for sequencing *ROM1*, *GUCA1*, and *NXNL1* genes.

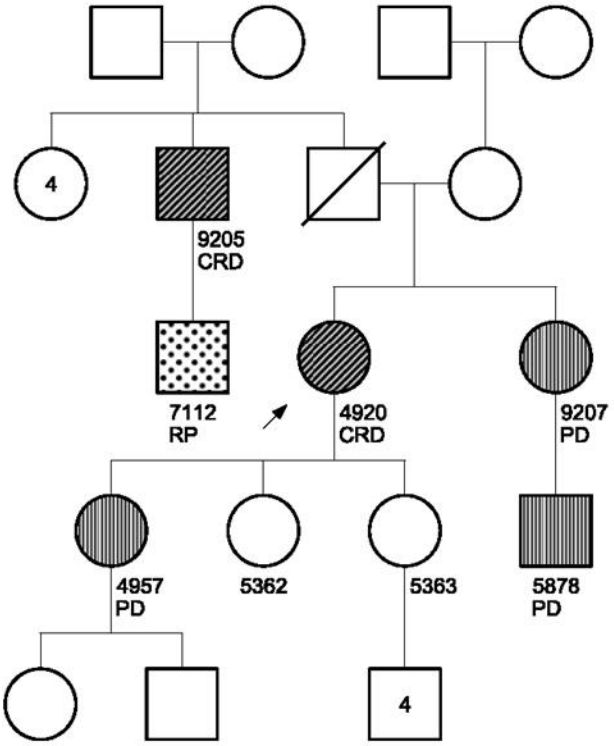
Supplement 2: Figures for family pedigrees.

The phenotypes of affected individuals and pedigrees showing autosomal dominant inheritance with variable expressivity for 14 families (Fam1, Fam2, Fam3, Fam4, Fam5, Fam6, Fam7, Fam8, Fam11, Fam12, Fam13, Fam14, Fam15 and Fam16) are shown. Please refer to table 1 for phenotype and haplotype in *trans* data. In some families only single individuals were

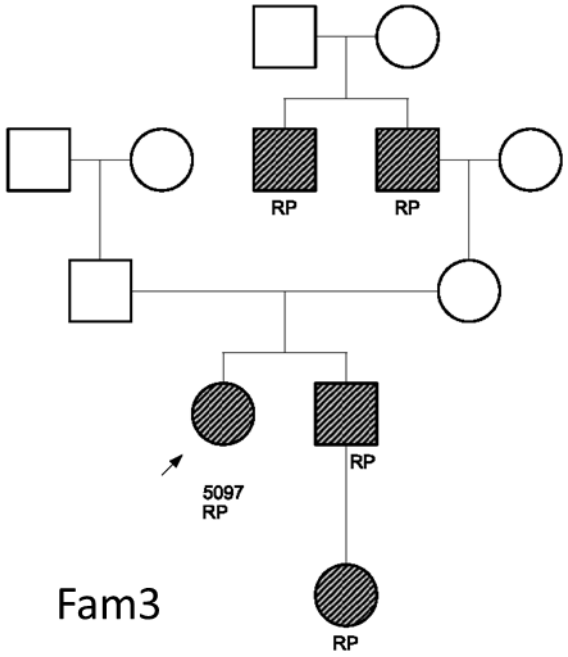
available for the study without pedigree information (Fam9, Fam10, Fam17, Fam18 and Fam19). Phenotypes are represented by PD –Pattern dystrophy, RP- retinitis pigmentosa, CRD – cone rod dystrophy, CACD- central areolar chorioretinal dystrophy, and

A –affected, when an affected individual's fundus photo was not available for evaluation.

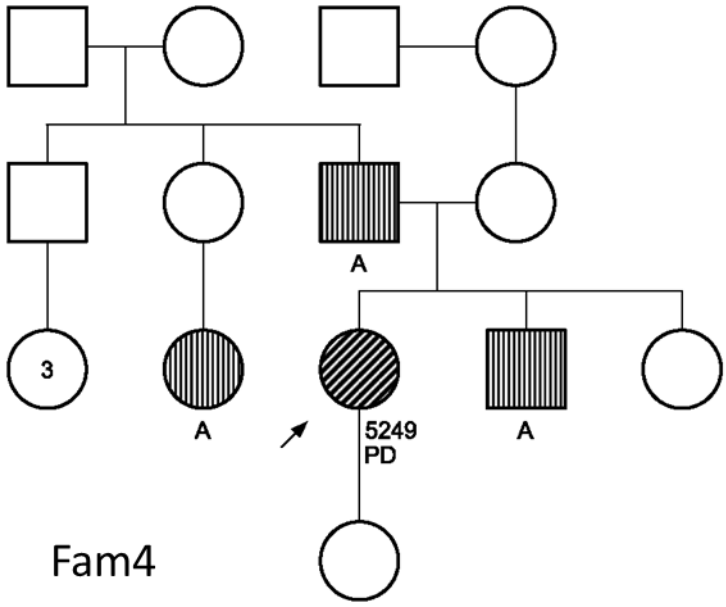




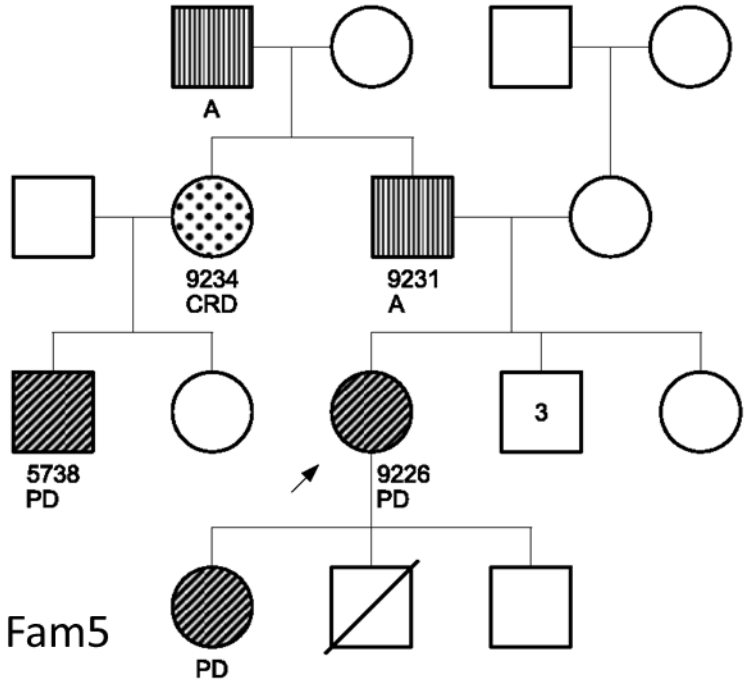
FAM2



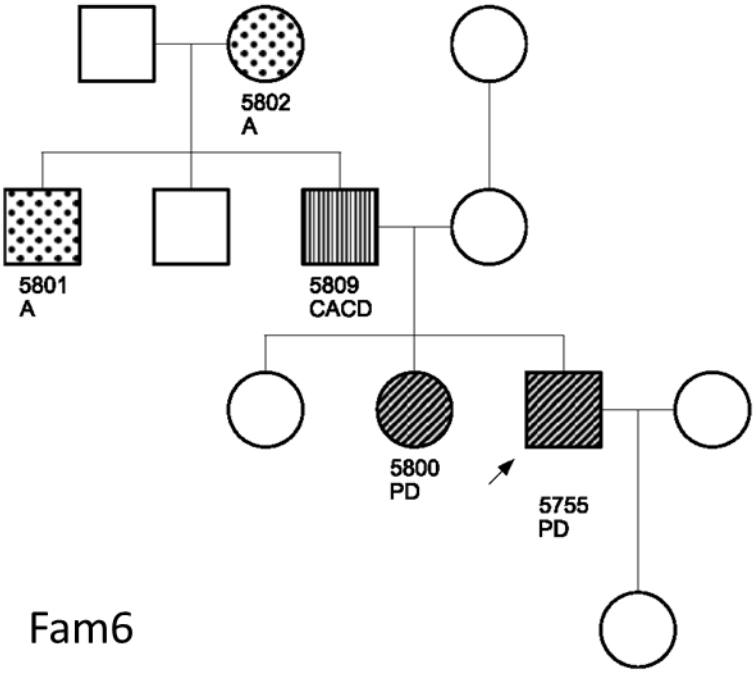
Fam3



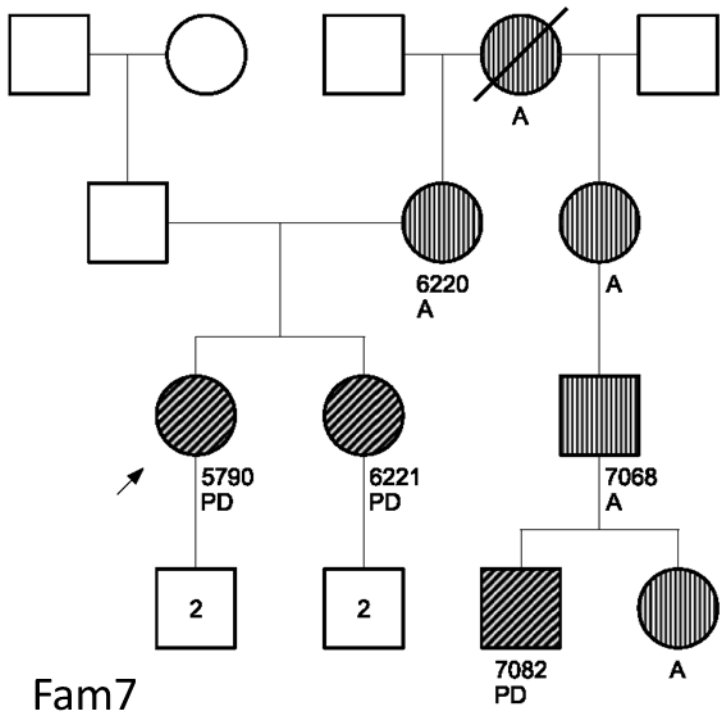
Fam4


A
9234
CRD
9231
A
5738
PD
3
9226
PD
PD

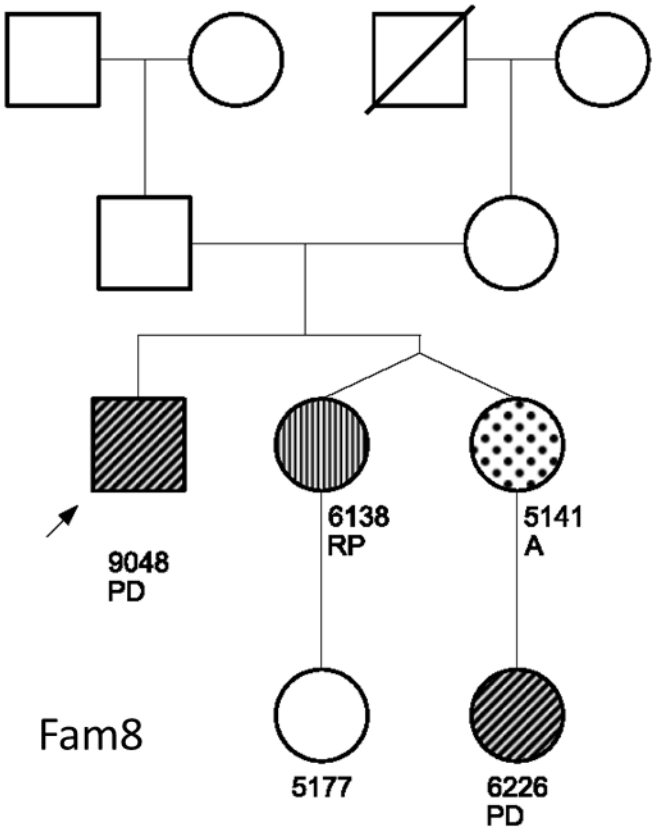
Fam5


5802
A
5801
A
5809
CACD
5800
PD
5755
PD

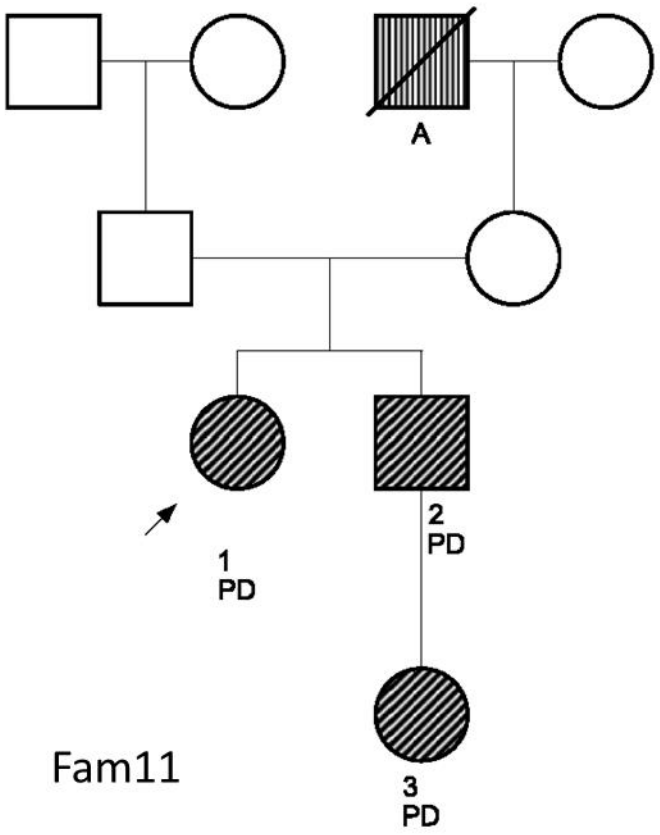
Fam6


A
6220
A
A
5790
PD
6221
PD
7068
A
2
2
7082
PD
A

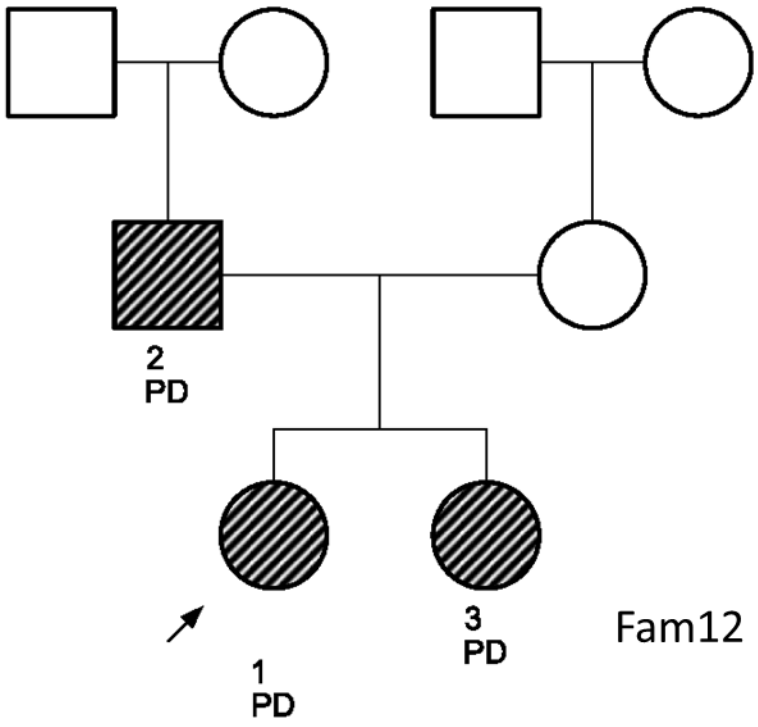
Fam7


9048
PD
6138
RP
5141
A
5177
6226
PD

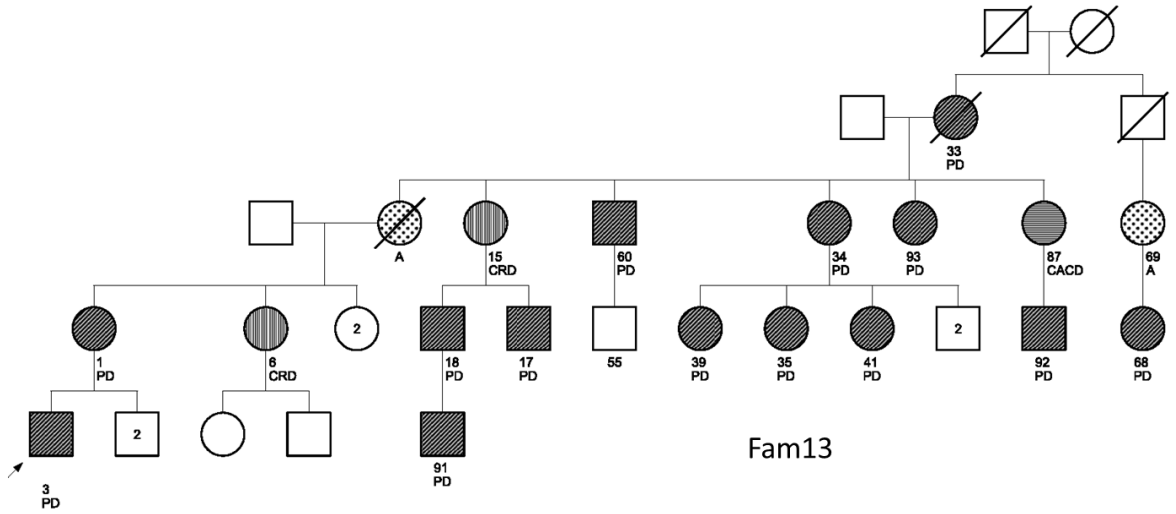
Fam8



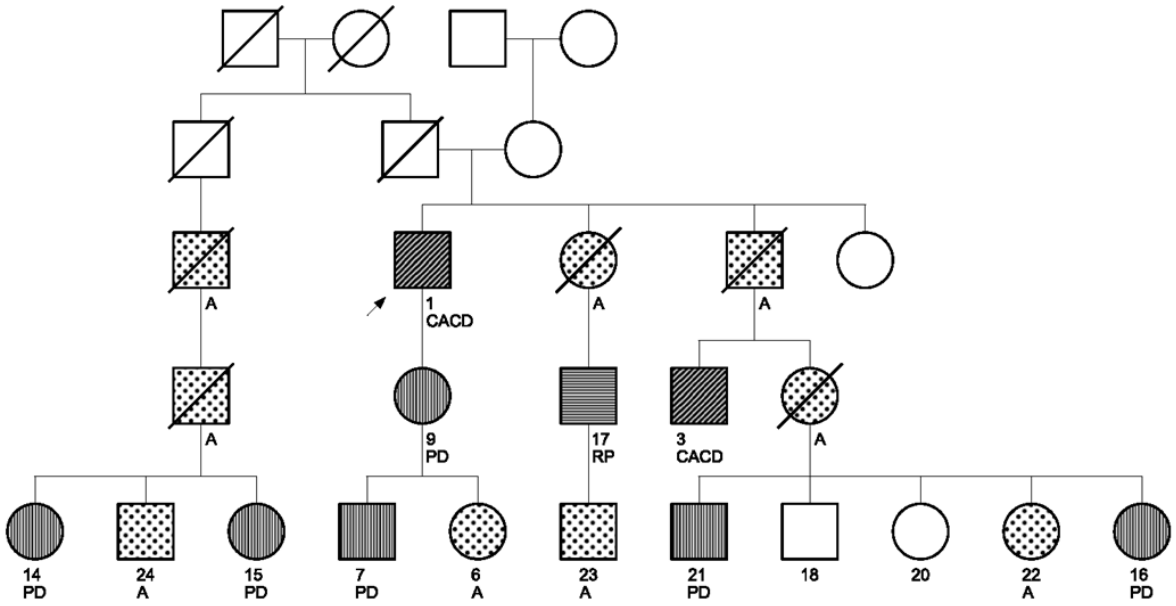
Fam11



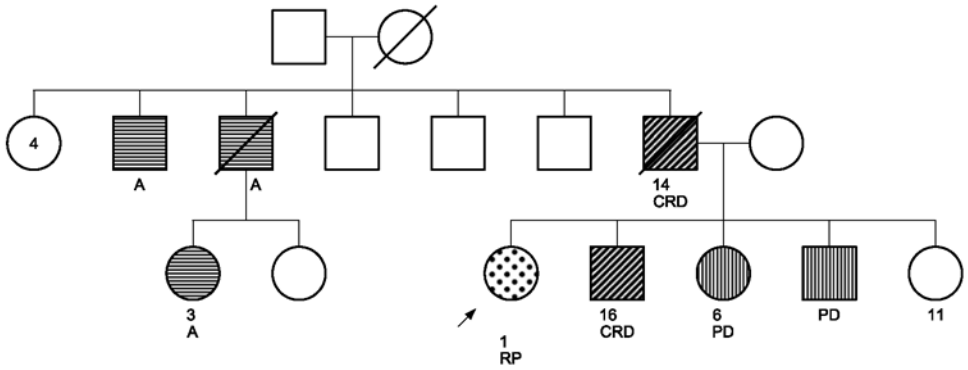
Fam12


33
PD
A
15
CRD
60
PD
34
PD
93
PD
87
CACD
69
A
1
PD
6
CRD
2
18
PD
17
PD
55
39
PD
35
PD
41
PD
2
92
PD
68
PD
2
3
PD
91
PD

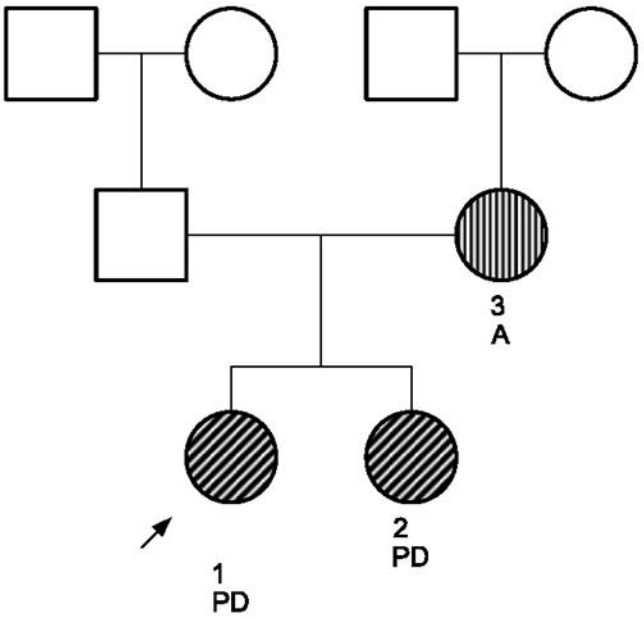
Fam13


A
1
CACD
A
A
A
A
9
PD
17
RP
3
CACD
A
14
PD
24
A
15
PD
7
PD
6
A
23
A
21
PD
18
20
22
A
16
PD

Fam14



Fam 15



Fam16