Figure S1

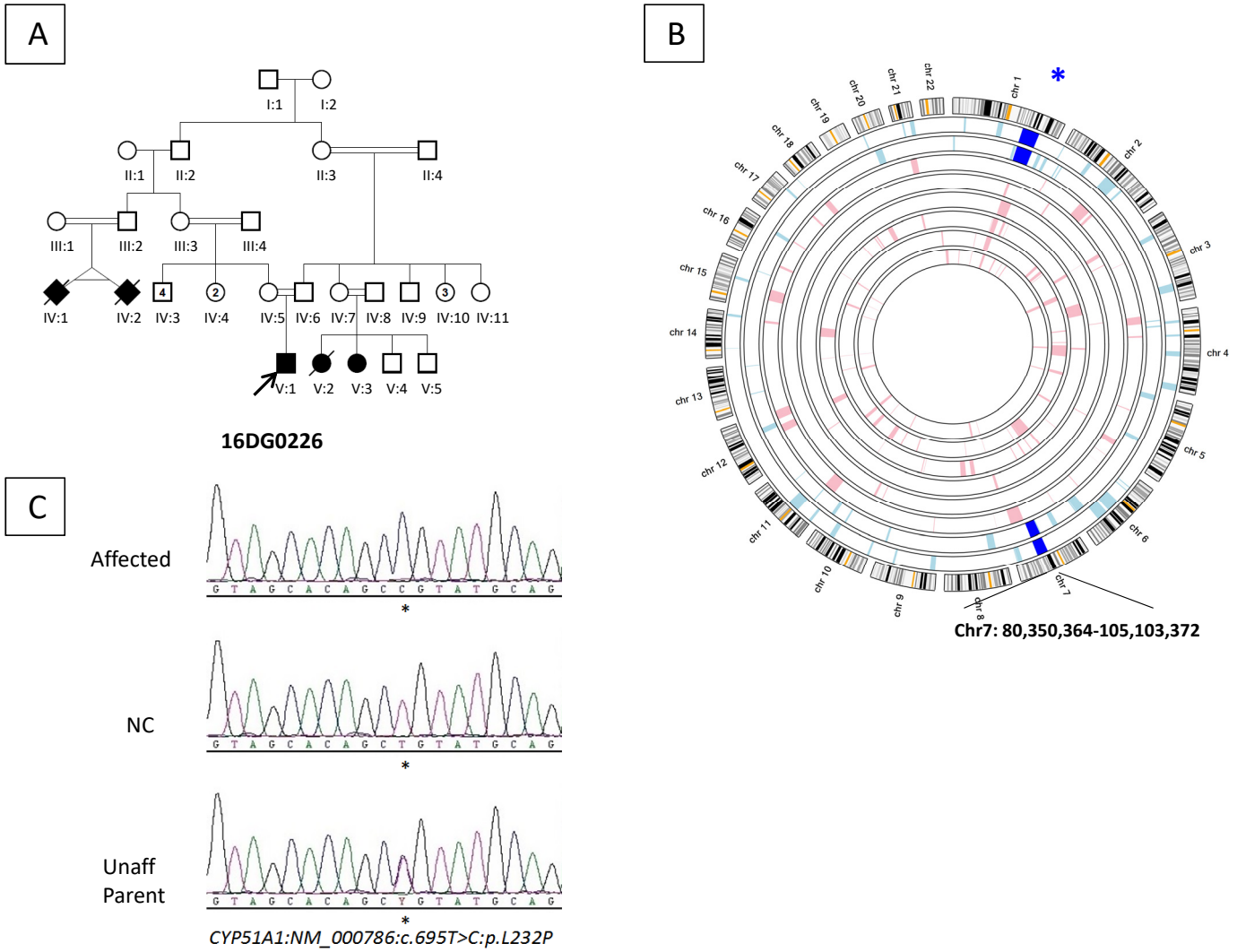

A
I:1
I:2
II:1
II:2
II:3
II:4
III:1
III:2
III:3
III:4
IV:1
IV:2
IV:3
IV:4
IV:5
IV:6
IV:7
IV:8
IV:9
IV:10
IV:11
V:1
V:2
V:3
V:4
V:5
16DG0226
B
chr 1
chr 2
chr 3
chr 4
chr 5
chr 6
chr 7
chr 8
chr 9
chr 10
chr 11
chr 12
chr 13
chr 14
chr 15
chr 16
chr 17
chr 18
chr 19
chr 20
chr 21
chr 22
Chr7: 80,350,364-105,103,372
C
Affected
NC
Unaff Parent
CYP51A1:NM_000786:c.695T>C:p.L232P

Figure S2

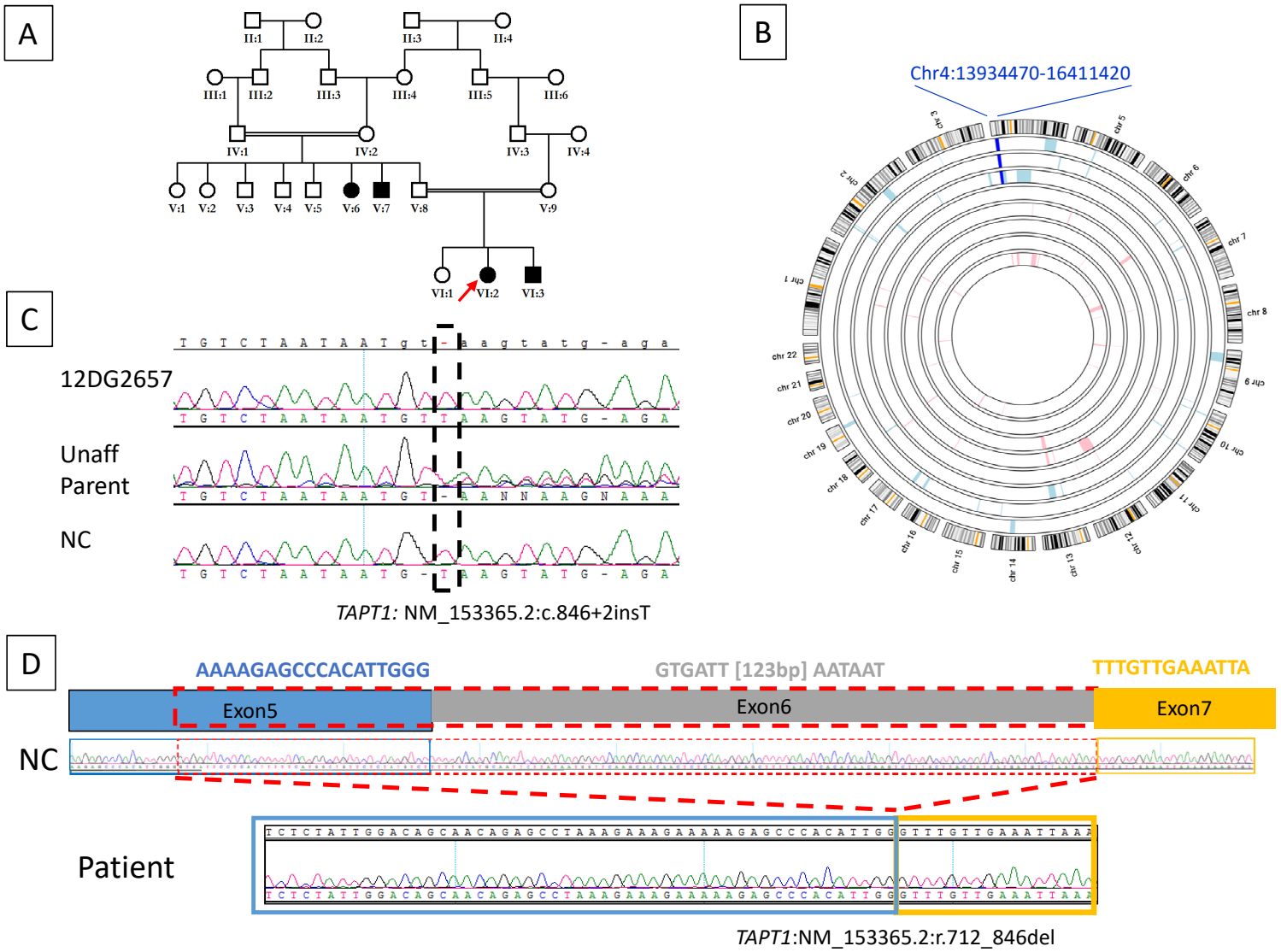

A
II:1
II:2
II:3
II:4
III:1
III:2
III:3
III:4
III:5
III:6
IV:1
IV:2
IV:3
IV:4
V:1
V:2
V:3
V:4
V:5
V:6
V:7
V:8
V:9
VI:1
VI:2
VI:3
B
Chr4:13934470-16411420
C
12DG2657
Unaff
Parent
NC
TAPT1: NM_153365.2:c.846+2insT
D
AAAAGAGCCCACATTGGG
GTGATT [123bp] AATAAT
TTTGTTGAAATTA
Exon5
Exon6
Exon7
NC
Patient
TAPT1:NM_153365.2:r.712_846del

Figure S3

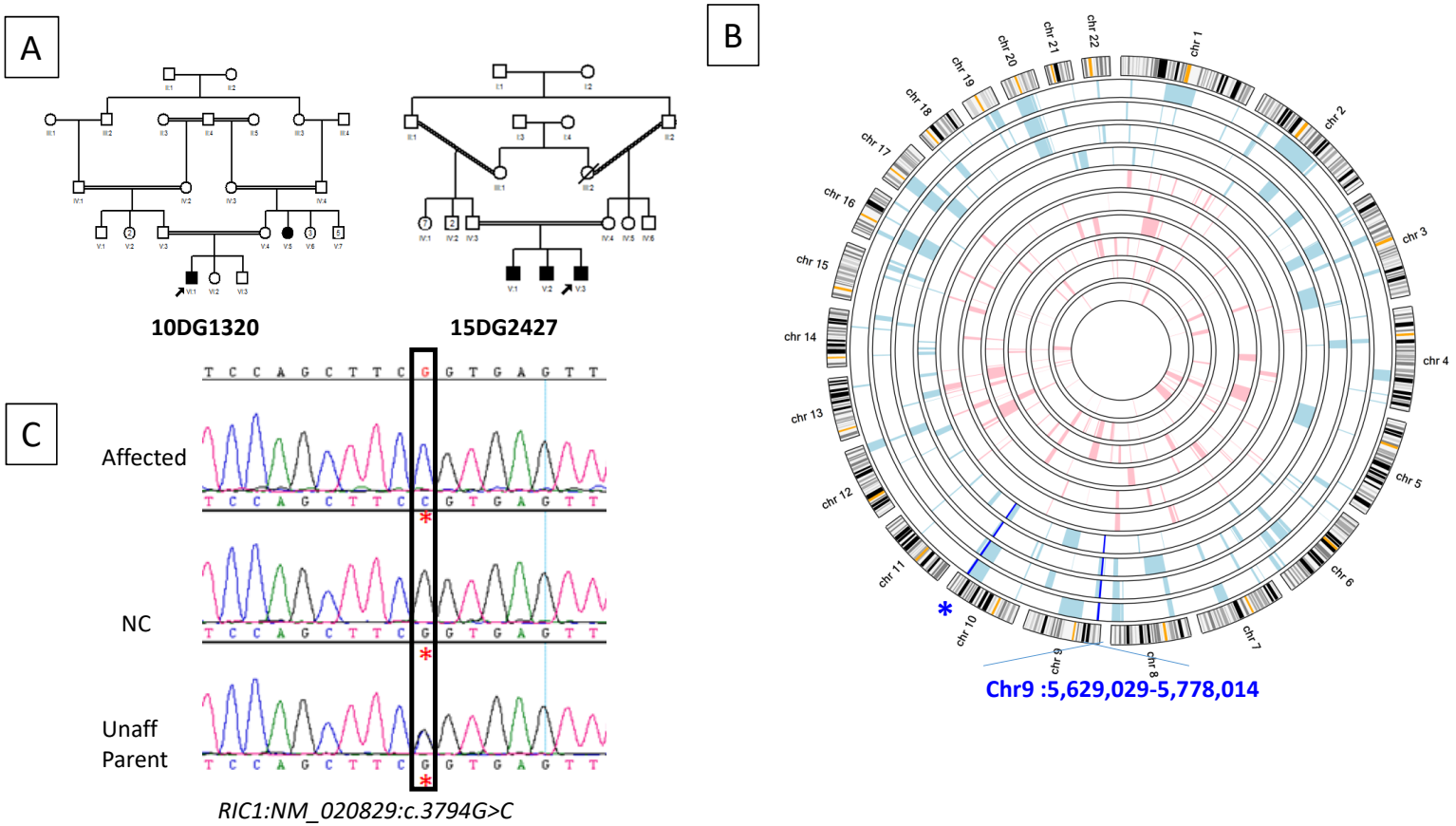
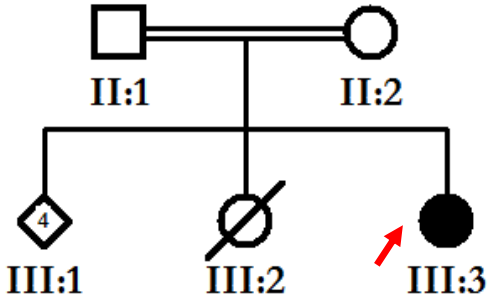
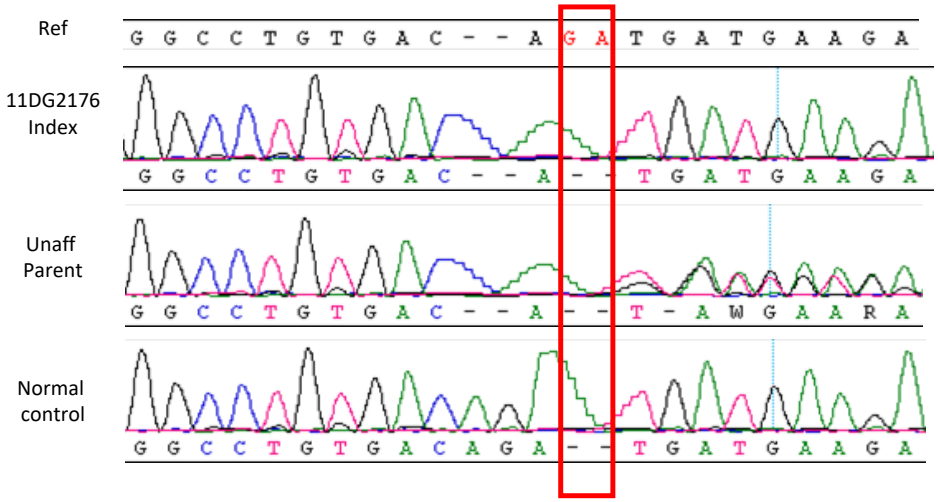

A
10DG1320
15DG2427
B
chr 1
chr 2
chr 3
chr 4
chr 5
chr 6
chr 7
chr 8
chr 9
chr 10
chr 11
chr 12
chr 13
chr 14
chr 15
chr 16
chr 17
chr 18
chr 19
chr 20
chr 21
chr 22
Chr9 :5,629,029-5,778,014
C
Affected
NC
Unaff
Parent
RIC1:NM_020829:c.3794G>C

Figure S4

A



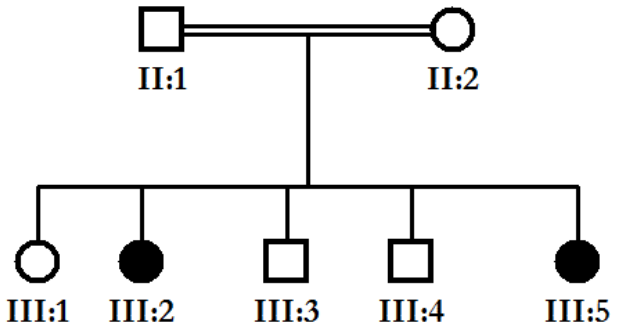
B



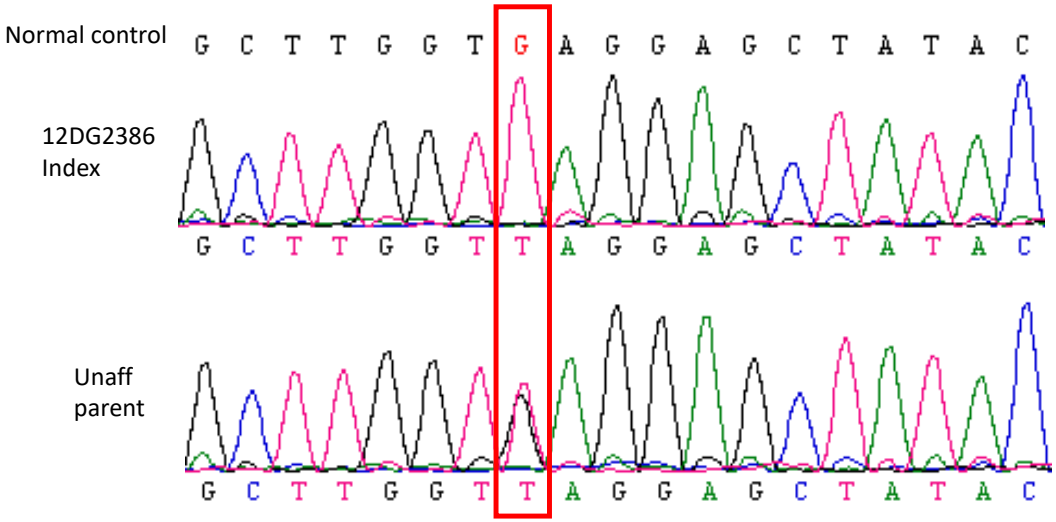
TAF1A: NM_001201536.1:c.40_41del;p.(Asp14*)

Figure S5

A



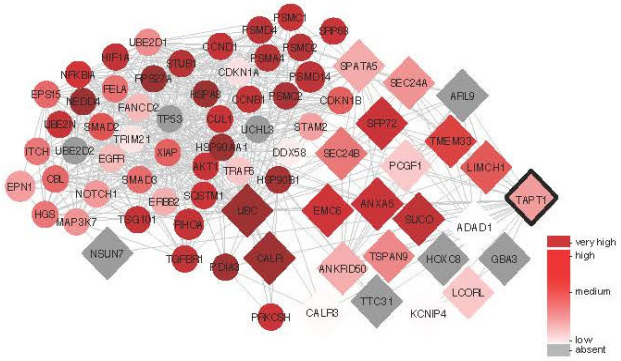
B



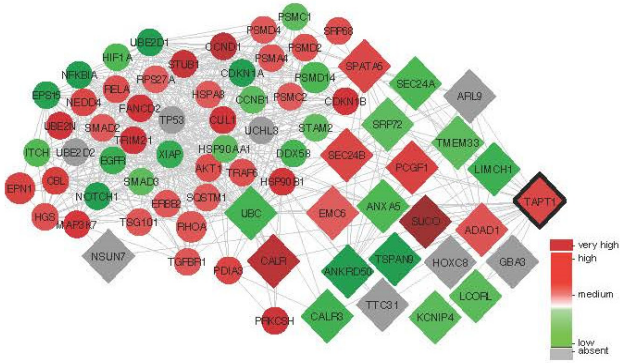
WDR87: NM_031951.4:c.856G>T;p.(Glu286*)

Figure S6

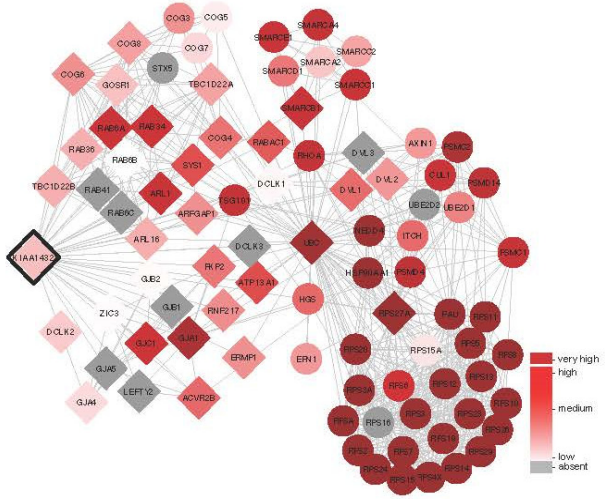
A. *TAPT1* network with *iSyTE* E10.5 expression overlay



B. *TAPT1* network with *iSyTE* E10.5 enrichment overlay



C. *KIAA1432* network with *iSyTE* E10.5 expression overlay



D. *KIAA1432* network with *iSyTE* E10.5 enrichment overlay

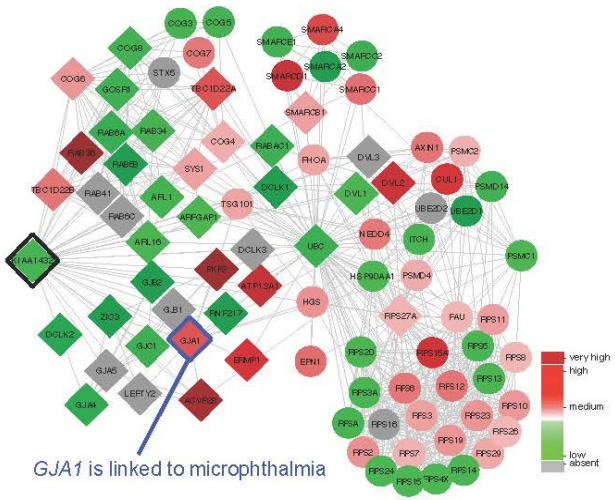
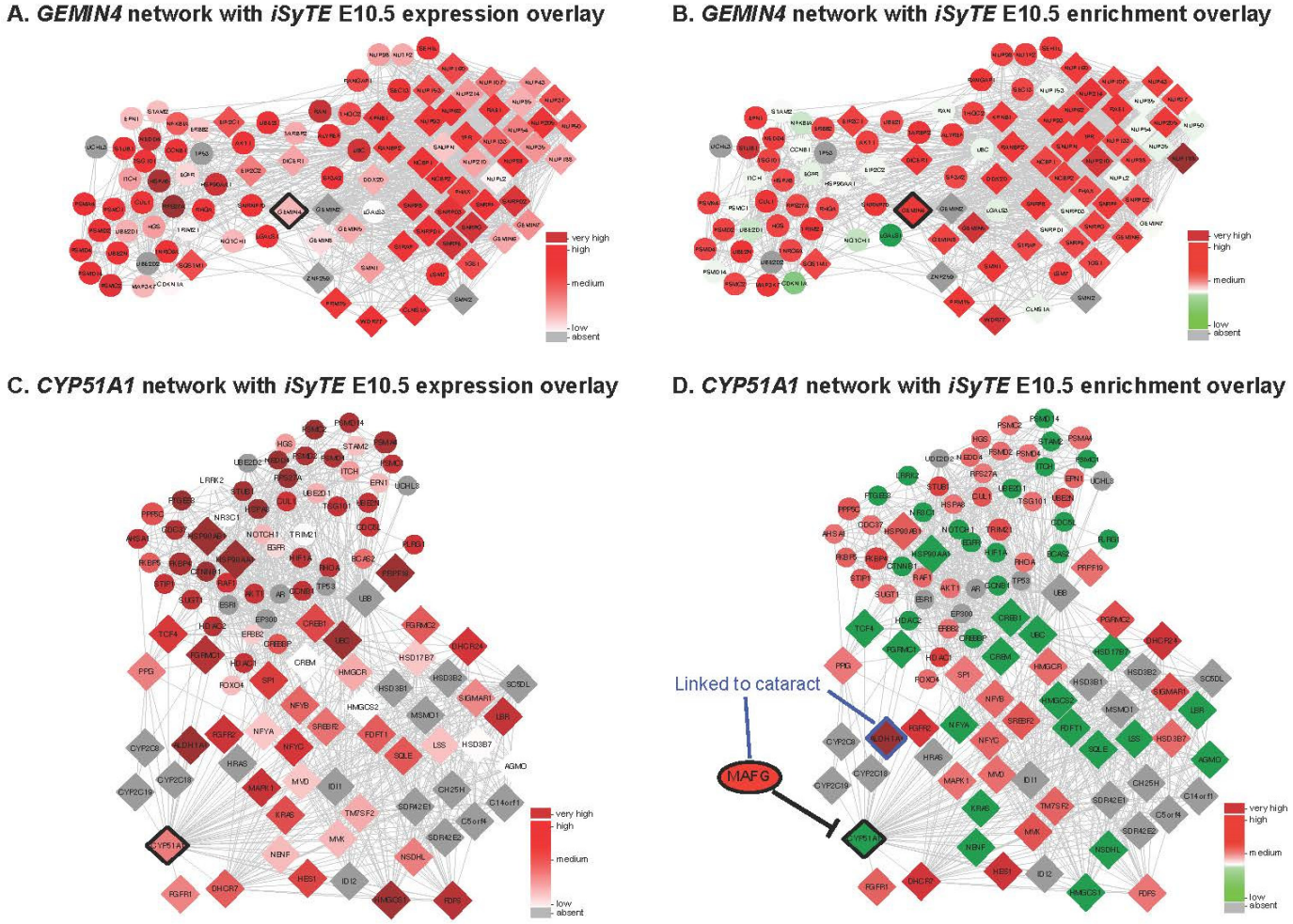


Figure S7


A. GEMIN4 network with iSyTE E10.5 expression overlay
B. GEMIN4 network with iSyTE E10.5 enrichment overlay
C. CYP51A1 network with iSyTE E10.5 expression overlay
D. CYP51A1 network with iSyTE E10.5 enrichment overlay
very high
high
medium
low
absent
Linked to cataract
MAFG