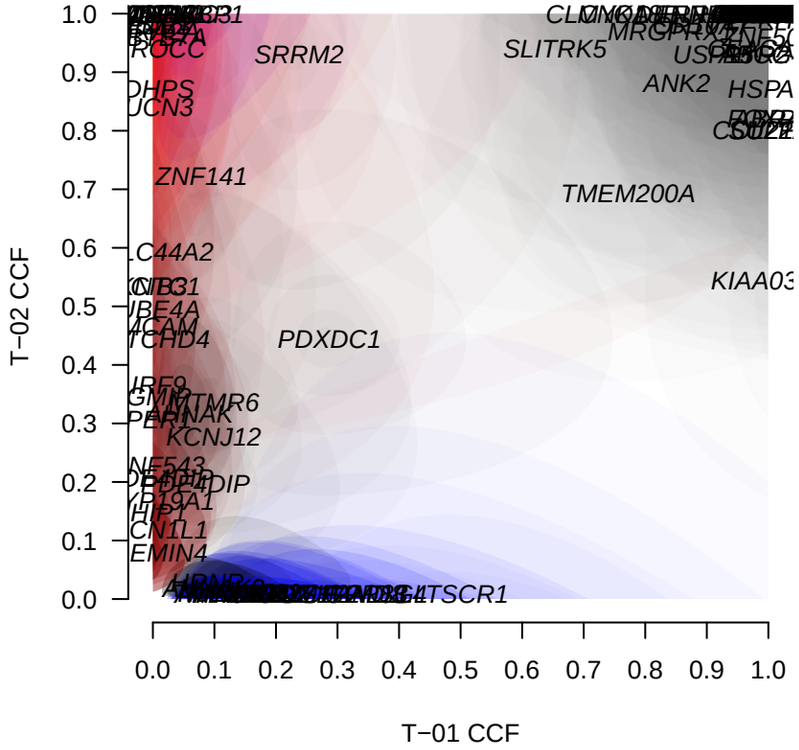
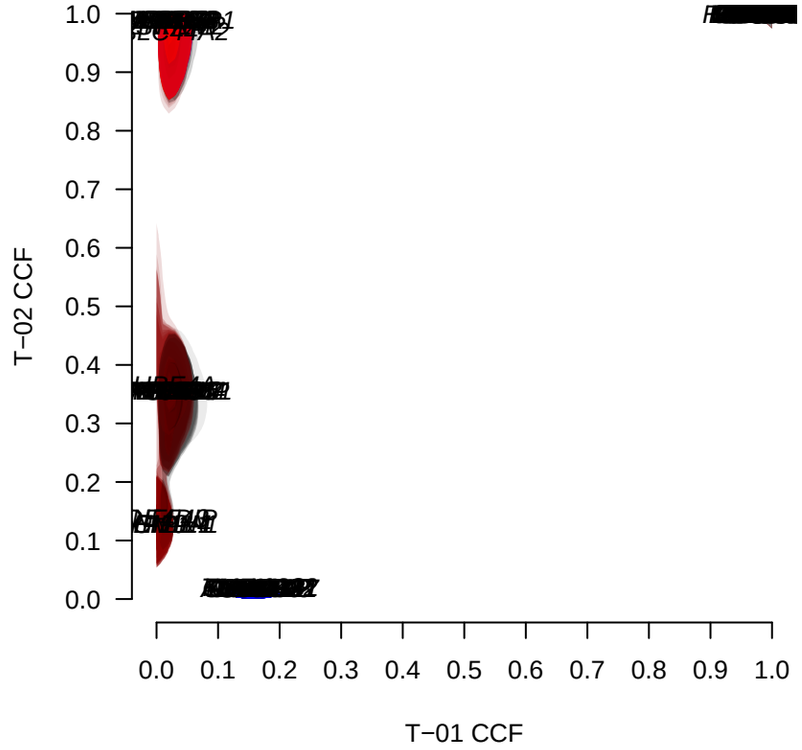
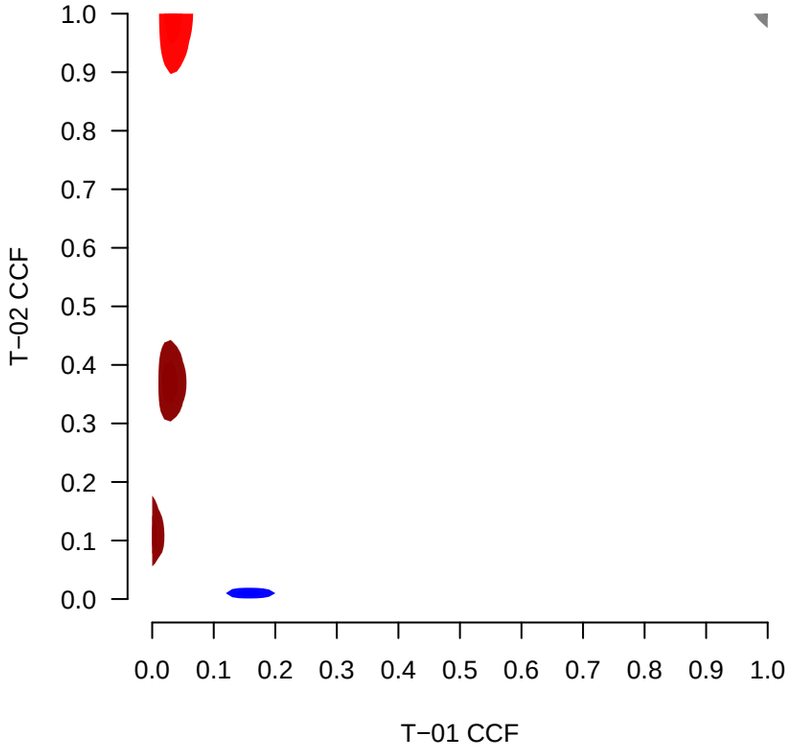
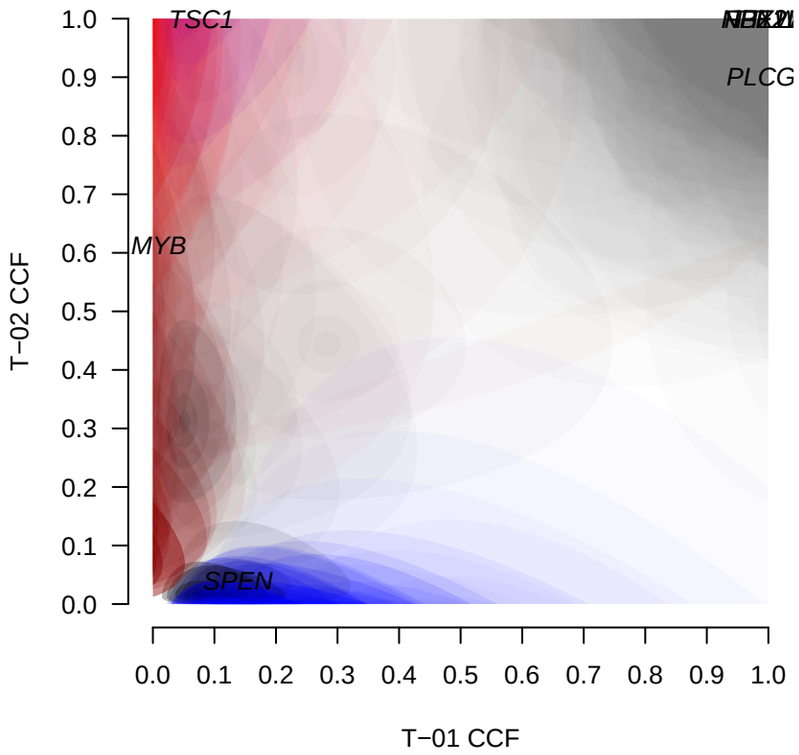
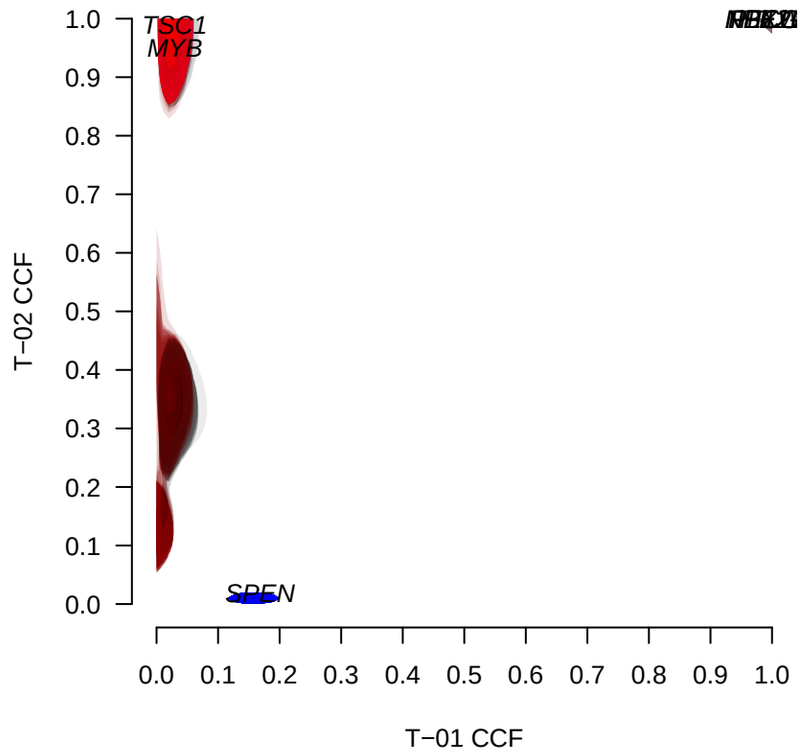
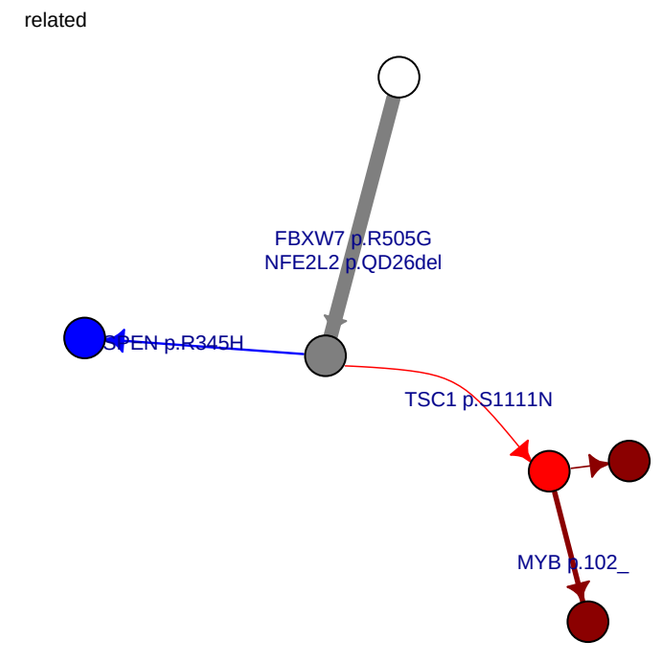

Before clustering
SRRM2
SLITRK5
ANK2
HSPA
ZNF141
TMEM200A
PDXDC1
KCNJ12
TSCR1
T−02 CCF
T−01 CCF

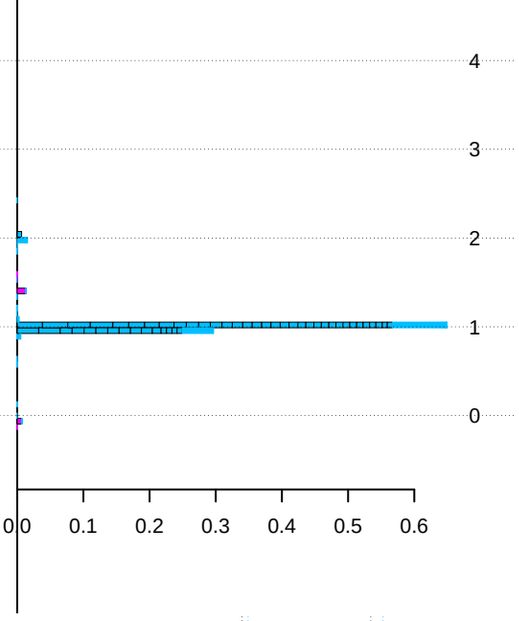

After clustering
T−02 CCF
T−01 CCF

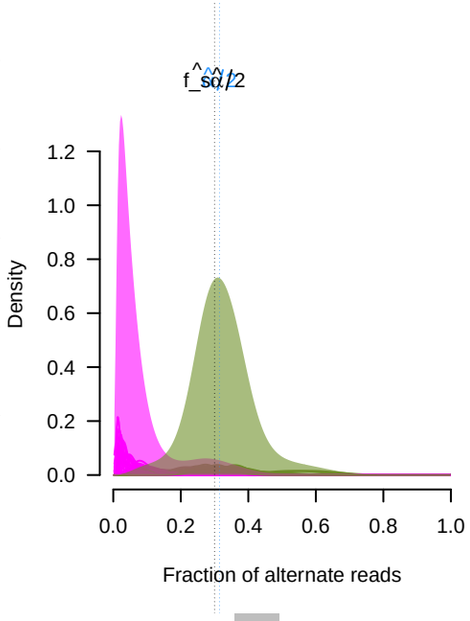

Cophenetic clustering with K = 5
T−02 CCF
T−01 CCF

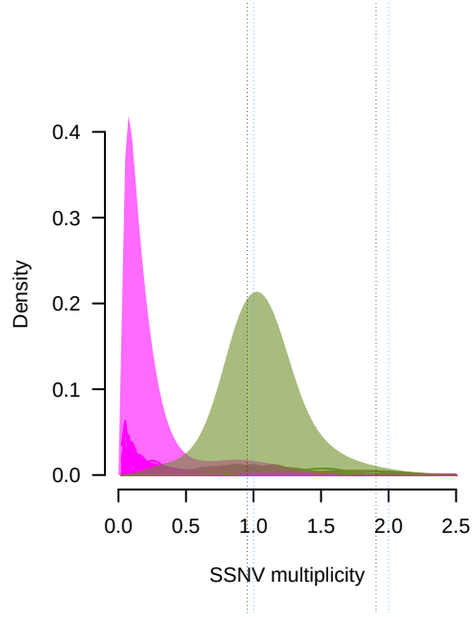

Before clustering
TSC1
PLCG
MYB
SPEN
T−02 CCF
T−01 CCF

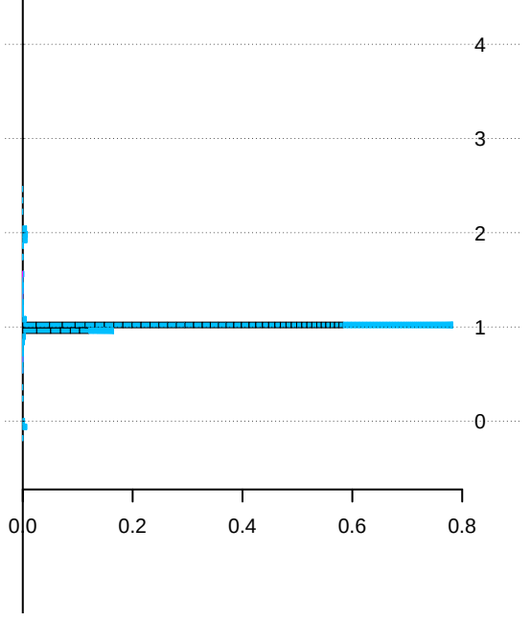

After clustering
TSC1
MYB
SPEN
T−02 CCF
T−01 CCF

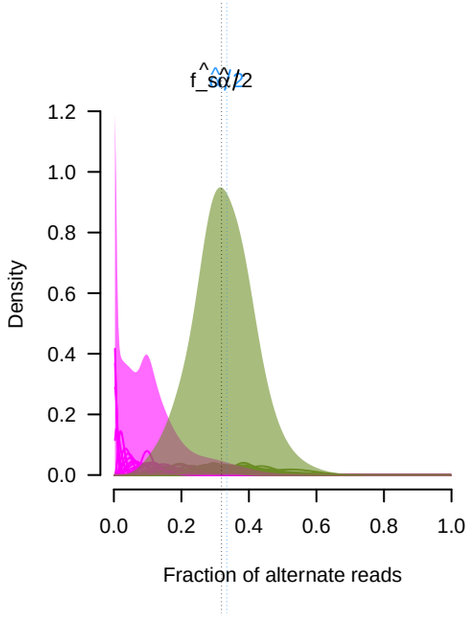

related
FBXW7 p.R505G
NFE2L2 p.QD26del
SPEN p.R345H
TSC1 p.S1111N
MYB p.102_

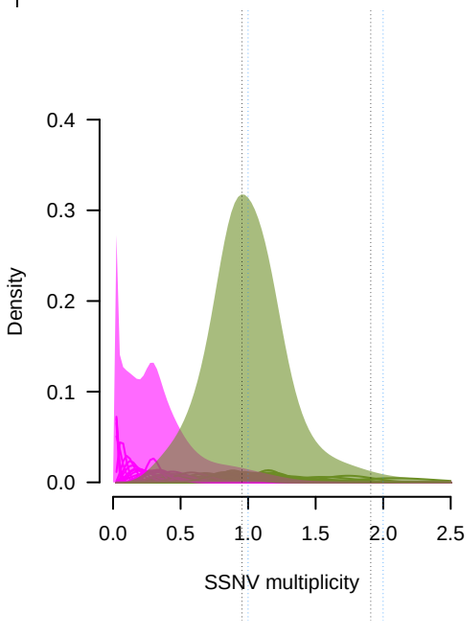

0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1
2
3
4

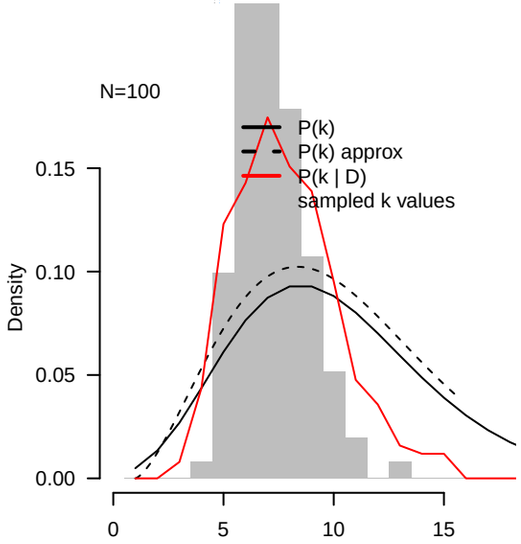

f_s^2
Density
Fraction of alternate reads
0.0
0.2
0.4
0.6
0.8
1.0
1.2

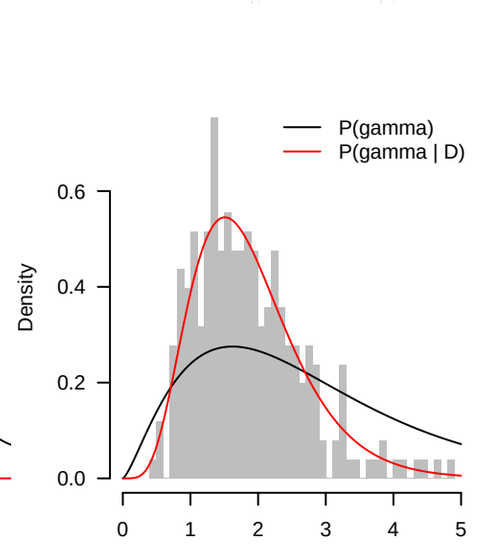

Density
SSNV multiplicity
0.0
0.1
0.2
0.3
0.4
0.5
1.0
1.5
2.0
2.5

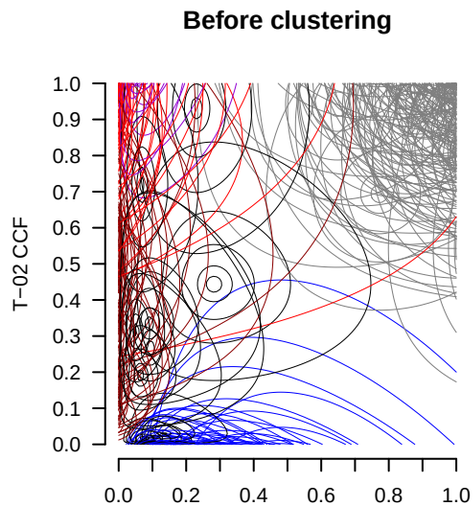

0
1
2
3
4
0.0
0.2
0.4
0.6
0.8

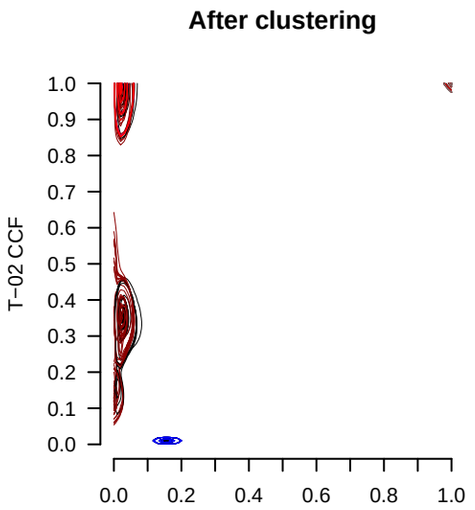

f_s^2
Density
Fraction of alternate reads
0.0
0.2
0.4
0.6
0.8
1.0
1.2


Density
SSNV multiplicity
0.0
0.1
0.2
0.3
0.4
0.5
1.0
1.5
2.0
2.5


N=100
P(k)
P(k) approx
P(k | D)
sampled k values
Density
Number of clusters (k)
0.00
0.05
0.10
0.15
0
5
10
15

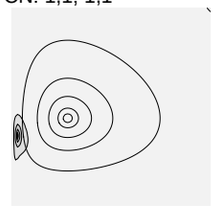

P(gamma)
P(gamma | D)
Density
DP concentration (gamma)
0.0
0.2
0.4
0.6
0
1
2
3
4
5


Before clustering
T−02 CCF
T−01 CCF
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0


After clustering
T−02 CCF
T−01 CCF
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0

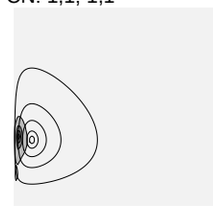
SRRM2, p.S2485F
S_S, (4/59, 16/54)
CN: 1,1; 1,1

PDXDC1, p.S424L
S_S, (3/36, 8/57)
CN: 1,1; 1,1

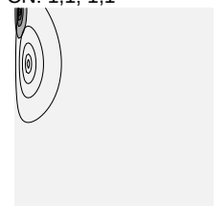


KCNJ12, p.R118W
S_S, (1/38, 3/36)
CN: 1,1; 1,1

MTMR6, Silent
S_S, (1/39, 6/57)
CN: 1,1; 1,1



ZNF141, Silent
S_S, (2/105, 21/92)
CN: 1,1; 1,1

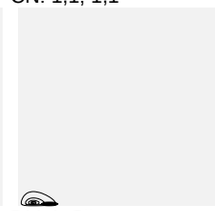


PDE4DIP, Silent
S_S, (1/56, 4/67)
CN: 1,1; 1,1

SPEN, p.R345H
S_S, (5/129, 1/125)
CN: 1,1; 1,1

AHNAK, p.E1230D
S_S, (5/365, 31/316)
CN: 1,1; 1,1

HRNR, p.T1082R
S_S, (6/282, 1/299)
CN: 1,1; 1,1

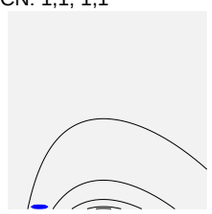


AHNAK2, p.R814W
S_S, (7/262, 1/341)
CN: 1,1; 1,1

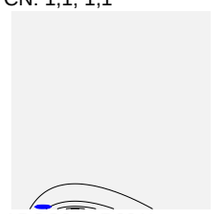
BTBD7, p.R924Q
S_ND, (4/78, 0/79)
CN: 1,1; 1,1

LIG4, p.S715P
S_ND, (4/80, 0/82)
CN: 1,1; 1,1

GLTSCR1, Silent
S_ND, (3/21, 0/15)
CN: 1,1; 1,1

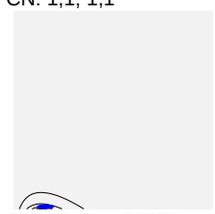


CPAMD8, Silent
S_ND, (5/53, 0/61)
CN: 1,1; 1,1

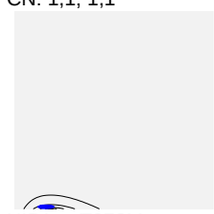


TOM1L2, p.R62Q
S_ND, (5/69, 0/73)
CN: 1,1; 1,1

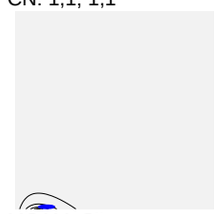
MAN2A2, p.V356I
S_ND, (4/101, 0/99)
CN: 1,1; 1,1



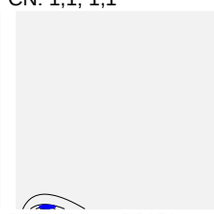
OR2L2, p.R134H
S_ND, (5/94, 0/121)
CN: 1,1; 1,1



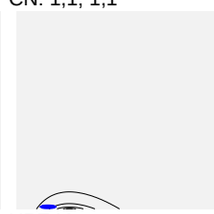
TMEM131, p.S1746L
S_ND, (4/119, 0/104)
CN: 1,1; 1,1



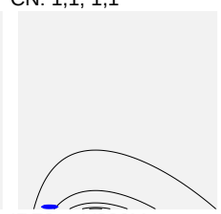
KIAA0922, p.S1558L
S_ND, (5/119, 0/113)
CN: 1,1; 1,1



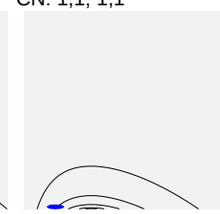
USH2A, p.Y467*
S_ND, (9/115, 0/95)
CN: 1,1; 1,1



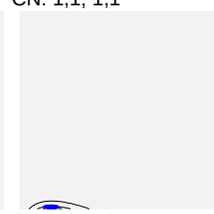
DLL4, Silent
S_ND, (3/26, 0/24)
CN: 1,1; 1,1



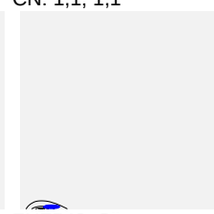
GPR83, Silent
S_ND, (3/30, 0/34)
CN: 1,1; 1,1



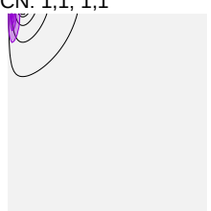
ANKRD27, p.R164*
S_ND, (7/149, 0/248)
CN: 1,1; 1,1



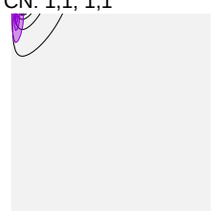
AHNAK2, p.M2609V
S_ND, (8/261, 0/235)
CN: 1,1; 1,1



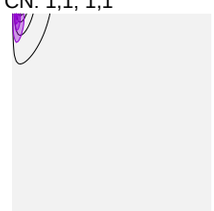
TSC1, p.S1111N
S_C, (1/48, 19/52)
CN: 1,1; 1,1



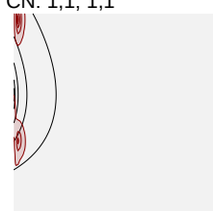
ABCC3, p.R601L
S_C, (1/68, 24/56)
CN: 1,1; 1,1



MIS18BP1, p.S912F
S_C, (1/96, 29/79)
CN: 1,1; 1,1



SLC44A2, p.A497V
ND_S, (0/37, 6/32)
CN: 1,1; 1,1

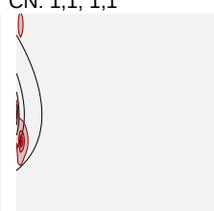


HIP1, p.T972M
ND_S, (0/91, 5/118)
CN: 1,1; 1,1

MCAM, Silent
ND_S, (0/129, 13/89)
CN: 1,1; 1,1

PTCHD4, p.Q210*
ND_S, (0/44, 7/50)
CN: 1,1; 1,1

UBE4A,
ND_S, (0/65, 9/58)
CN: 1,1; 1,1



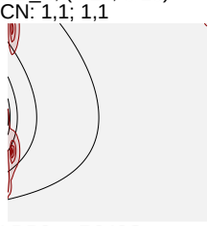
IRF9, p.V320M
ND_S, (0/61, 11/98)
CN: 1,1; 1,1

GEMIN4, Silent
ND_S, (0/185, 5/245)
CN: 1,1; 1,1

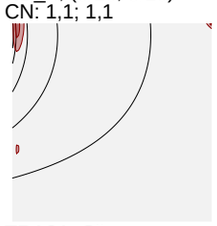
GCN1L1, Silent
ND_S, (0/99, 5/147)
CN: 1,1; 1,1

ZNF543, Silent
ND_S, (0/64, 4/57)
CN: 1,1; 1,1

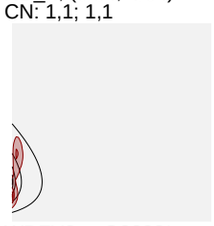
CIB3, Silent
ND_S, (0/16, 3/18)
CN: 1,1; 1,1



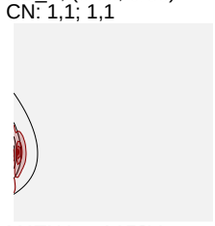
CROCC, p.R1709W
ND_S, (0/10, 3/10)
CN: 1,1; 1,1



PDE4DIP, Silent
ND_S, (0/54, 4/64)
CN: 1,1; 1,1



GMIP, p.R625Q
ND_S, (0/70, 9/83)
CN: 1,1; 1,1



KNTC1, p.E998D
ND_S, (0/29, 6/36)
CN: 1,1; 1,1

CYP19A1, p.R288C
ND_S, (0/82, 4/83)
CN: 1,1; 1,1

MYB, p.102_
ND_S, (0/85, 18/93)
CN: 1,1; 1,1

PER1, p.PAQ332fs
ND_S, (0/52, 7/74)
CN: 1,1; 1,1

UCN3, p.R96I
ND_C, (0/6, 4/15)
CN: 1,1; 1,1

ETV1, Silent
ND_C, (0/57, 14/45)
CN: 1,1; 1,1

ZBTB7A, p.R402C
ND_C, (0/81, 23/75)
CN: 1,1; 1,1

ASPM, p.I1426K
ND_C, (0/91, 31/94)
CN: 1,1; 1,1

LDB3, p.R343C
ND_C, (0/31, 10/32)
CN: 1,1; 1,1

TRA2A, Silent
ND_C, (0/73, 27/87)
CN: 1,1; 1,1

WDFY3, p.Q3303*
ND_C, (0/24, 13/41)
CN: 1,1; 1,1

MATN4, p.A158V
ND_C, (0/30, 8/18)
CN: 1,1; 1,1

ITPKA, p.E213D
ND_C, (0/11, 7/20)
CN: 1,1; 1,1

DLG5, Silent
ND_C, (0/19, 12/32)
CN: 1,1; 1,1

DHPS, p.G53fs
ND_C, (0/64, 23/83)
CN: 1,1; 1,1

SYMPK, p.R346H
C_C, (18/58, 33/96)
CN: 1,1; 1,1

NOP14, p.I807V
C_C, (62/172, 83/216)
CN: 1,1; 1,1

CEACAM5, Silent
C_C, (32/101, 31/104)
CN: 1,1; 1,1

FOXP1, p.L0F
C_C, (18/59, 16/61)
CN: 1,1; 1,1

RAB39A, Silent
C_C, (33/88, 31/84)
CN: 1,1; 1,1

FBXW7, p.R505G
C_C, (43/121, 51/135)
CN: 1,1; 1,1

ZNF500, p.V122M
C_C, (28/77, 25/82)
CN: 1,1; 1,1

AHSG, p.S330L
C_C, (21/70, 33/84)
CN: 1,1; 1,1

HCN4, p.T547I
C_C, (39/120, 56/142)
CN: 1,1; 1,1

ABCG4, Silent
C_C, (11/37, 18/61)
CN: 1,1; 1,1

HMG20A, p.A42T
C_C, (37/123, 44/127)
CN: 1,1; 1,1

MAGI1, p.S217*
C_C, (26/77, 36/96)
CN: 1,1; 1,1

PLEKHA7, p.R489Q
C_C, (37/101, 48/130)
CN: 1,1; 1,1

HSPA8, p.P365L
C_C, (51/166, 35/127)
CN: 1,1; 1,1

RYR2, p.R2198H
C_C, (38/130, 49/166)
CN: 1,1; 1,1

TTN, Silent
C_C, (29/109, 32/118)
CN: 1,2; 1,2

PPAP2C, p.A180T
C_C, (8/22, 24/46)
CN: 1,1; 1,2

TTLL9, Silent
C_C, (12/32, 13/34)
CN: 1,1; 1,1

SULF1, p.Q118K
C_C, (19/57, 13/51)
CN: 1,1; 1,1

TTN, Silent
C_C, (21/76, 25/93)
CN: 1,2; 1,2

NFE2L2, Silent
C_C, (47/130, 51/117)
CN: 1,2; 1,2

CACNA1I, p.R291H
C_C, (20/55, 30/84)
CN: 1,1; 1,1

LRRC59, p.R198H
C_C, (29/108, 47/145)
CN: 1,1; 1,1

OR10A7, p.A165T
C_C, (21/79, 24/77)
CN: 1,1; 1,1

FCRL2, Silent
C_C, (15/40, 15/46)
CN: 1,1; 1,1

NID1, Silent
C_C, (8/21, 13/32)
CN: 1,1; 1,1

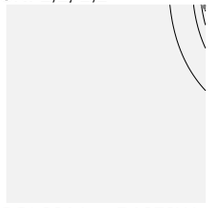
NFE2L2, p.QD26del
C_C, (21/71, 29/75)
CN: 1,2; 1,2

NOL4, p.A77T
C_C, (17/53, 27/67)
CN: 1,1; 1,1

MRGPRX1, p.E20K
C_C, (29/115, 45/145)
CN: 1,1; 1,1

HIST2H2BE, p.P2S
C_C, (12/38, 17/43)
CN: 1,1; 1,1

SLC5A1, p.R15L
C_C, (18/31, 11/31)
CN: 1,1; 1,1



ABRA, p.H129L
C_C, (40/134, 24/123)
CN: 1,2; 1,2

MYO18B, p.R2027C
C_C, (6/26, 20/49)
CN: 1,1; 1,1

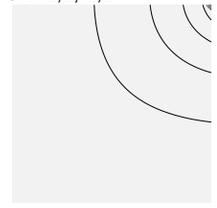
SUZ12, Silent
C_C, (27/75, 19/75)
CN: 1,1; 1,1

PLEKHG2, p.E483*
C_C, (10/31, 12/38)
CN: 1,1; 1,1

PLCG2, Silent
C_C, (27/81, 34/119)
CN: 1,1; 1,1

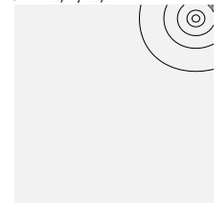
DENND5B, p.I313V
C_C, (5/19, 11/30)
CN: 1,1; 1,1

DNAJC24, p.D78G
C_C, (5/14, 6/18)
CN: 1,1; 1,1

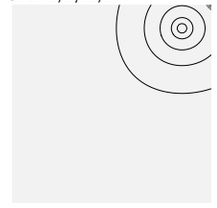


KIAA0319, p.R791*
C_C, (17/32, 5/29)
CN: 1,1; 1,1

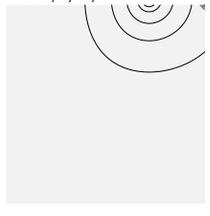
USP15, p.R946Q
C_C, (45/165, 54/182)
CN: 1,1; 1,1



ANK2, Silent
C_C, (24/94, 25/89)
CN: 1,1; 1,1

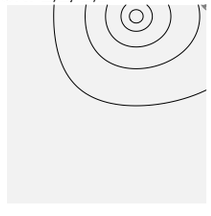


CLCNKA, Silent
C_C, (17/79, 25/76)
CN: 1,1; 1,1



COL22A1, p.R1079W
C_C, (13/42, 15/59)
CN: 1,1; 1,1

SLITRK5, p.R451C
C_C, (6/31, 12/40)
CN: 1,1; 1,1



TMEM200A, p.P439L
C_C, (18/78, 15/68)
CN: 1,1; 1,1