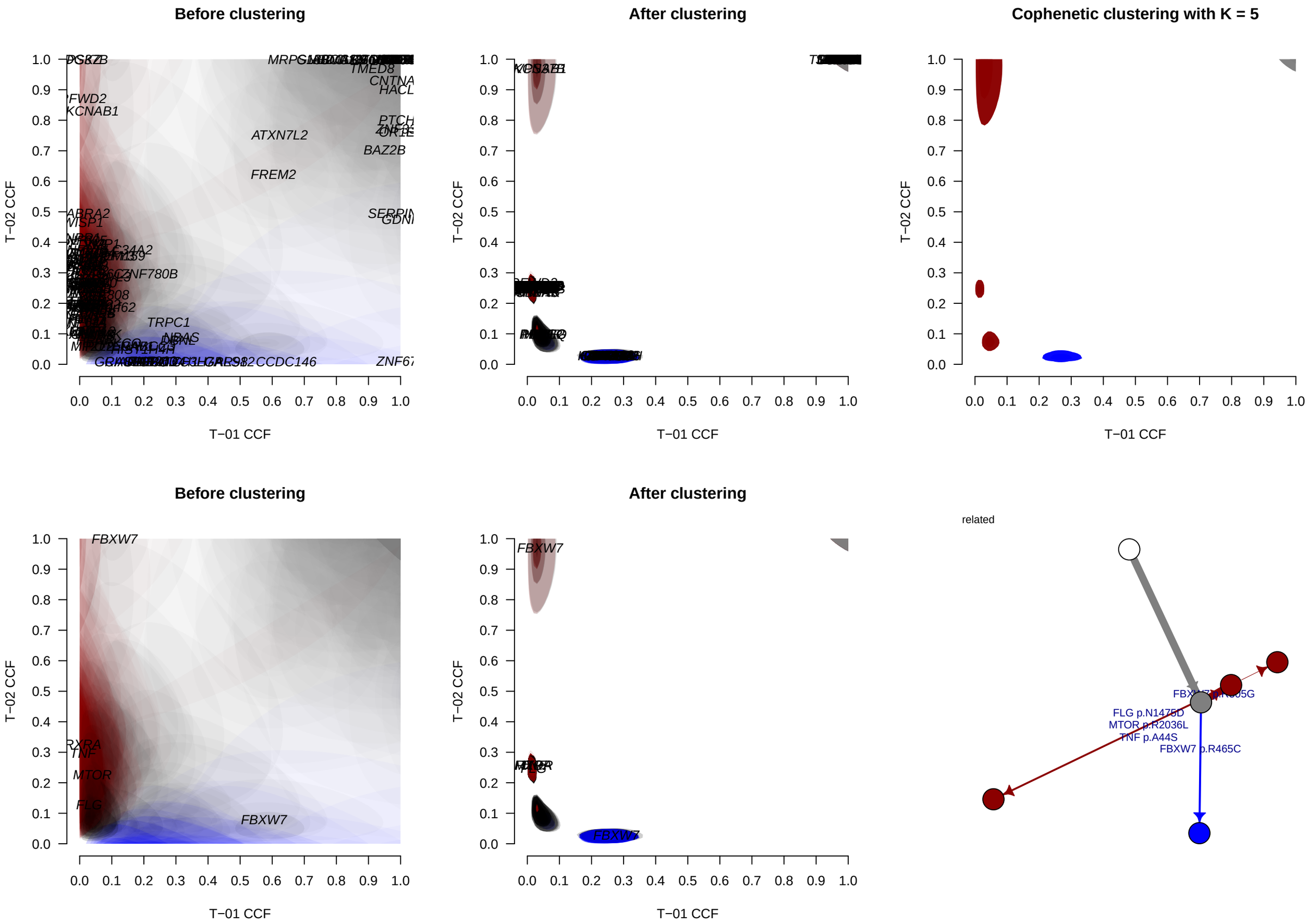
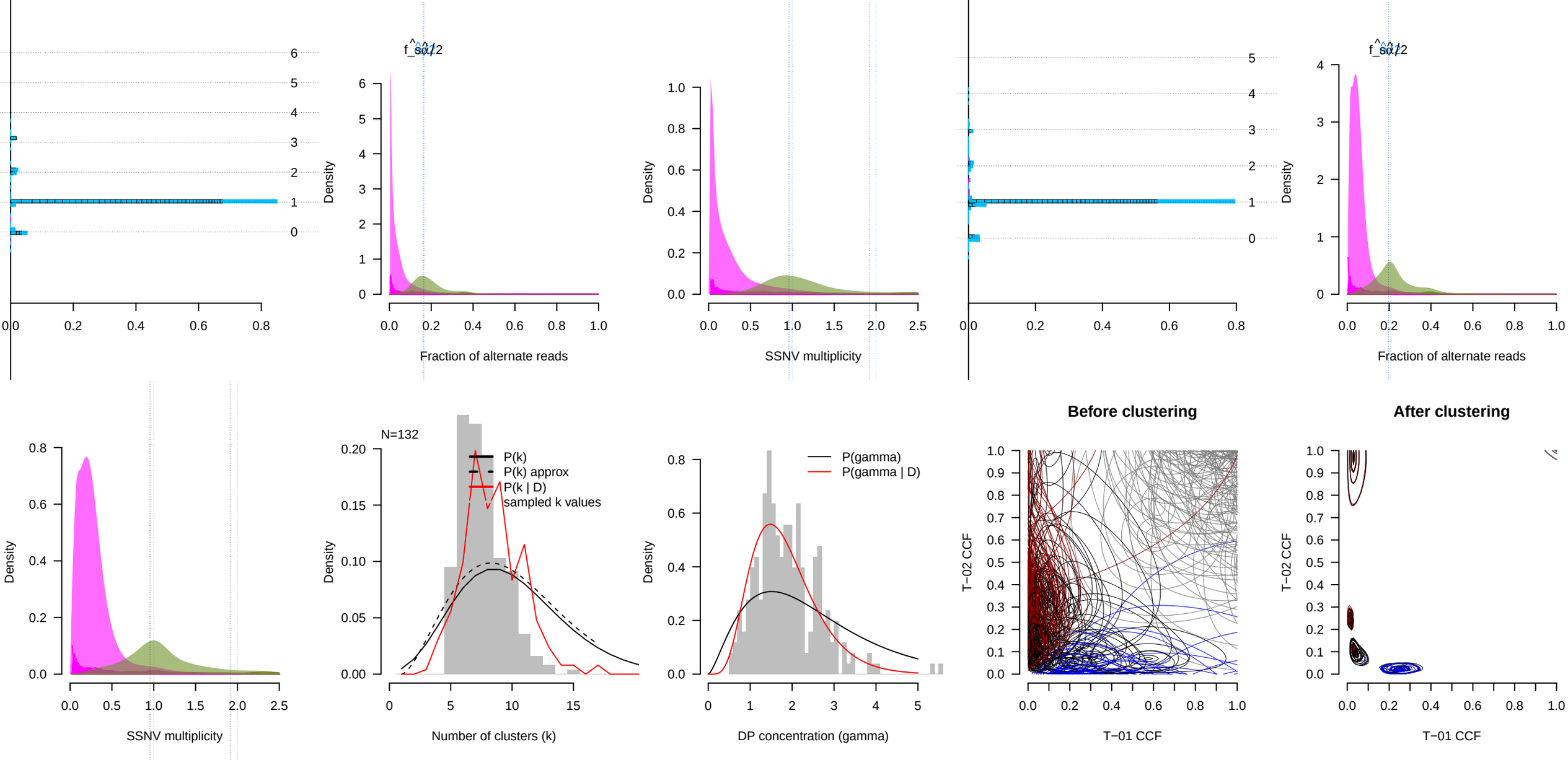
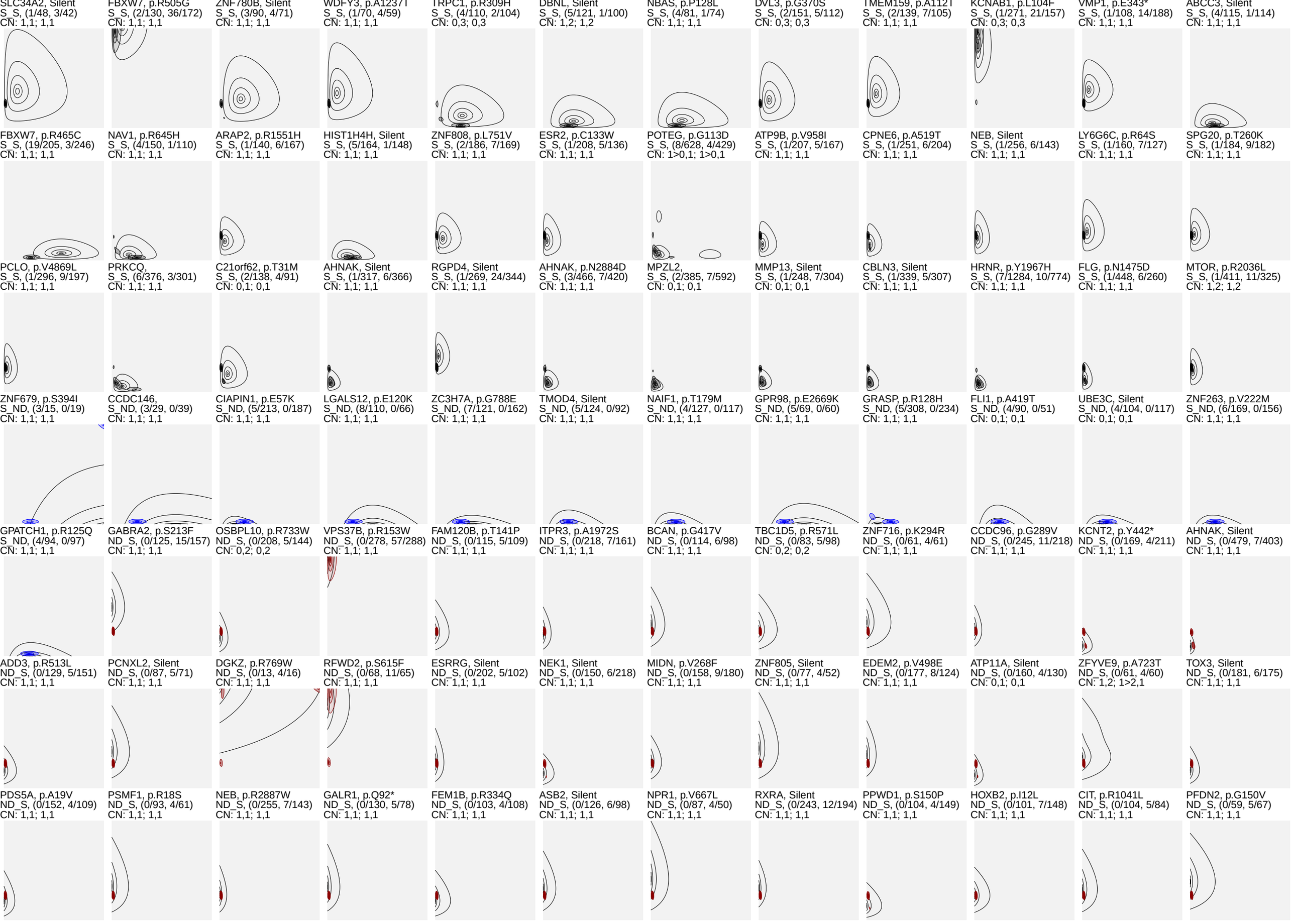

Before clustering
After clustering
Cophenetic clustering with K = 5
T−02 CCF
T−01 CCF
TMED8
CNTNA
HACL
KCNAB1
ATXN7L2
BAZ2B
FREM2
TRPC1
CCDC146
ZNF67
FBXW7
RXRA
TNF
MTOR
FLG
related
FLG p.N1475D
MTOR p.R2036L
TNF p.A44S
FBXW7 p.R465C

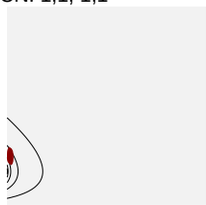

f_s^2/2
Density
Fraction of alternate reads
SSNV multiplicity
N=132
P(k)
P(k) approx
P(k | D)
sampled k values
Number of clusters (k)
P(gamma)
P(gamma | D)
DP concentration (gamma)
Before clustering
After clustering
T−02 CCF
T−01 CCF


SLC34A2, Silent
S_S, (1/48, 3/42)
CN: 1,1; 1,1
FBXW7, p.R505G
S_S, (2/130, 36/172)
CN: 1,1; 1,1
ZNF780B, Silent
S_S, (3/90, 4/71)
CN: 1,1; 1,1
WDFY3, p.A1237T
S_S, (1/70, 4/59)
CN: 1,1; 1,1
TRPC1, p.R309H
S_S, (4/110, 2/104)
CN: 0,3; 0,3
DBNL, Silent
S_S, (5/121, 1/100)
CN: 1,2; 1,2
NBAS, p.P128L
S_S, (4/81, 1/74)
CN: 1,1; 1,1
DVL3, p.G370S
S_S, (2/151, 5/112)
CN: 0,3; 0,3
TMEM159, p.A112T
S_S, (2/139, 7/105)
CN: 1,1; 1,1
KCNAB1, p.L104F
S_S, (1/271, 21/157)
CN: 0,3; 0,3
VMP1, p.E343*
S_S, (1/108, 14/188)
CN: 1,1; 1,1
ABCC3, Silent
S_S, (4/115, 1/114)
CN: 1,1; 1,1
FBXW7, p.R465C
S_S, (19/205, 3/246)
CN: 1,1; 1,1
NAV1, p.R645H
S_S, (4/150, 1/110)
CN: 1,1; 1,1
ARAP2, p.R1551H
S_S, (1/140, 6/167)
CN: 1,1; 1,1
HIST1H4H, Silent
S_S, (5/164, 1/148)
CN: 1,1; 1,1
ZNF808, p.L751V
S_S, (2/186, 7/169)
CN: 1,1; 1,1
ESR2, p.C133W
S_S, (1/208, 5/136)
CN: 1,1; 1,1
POTEG, p.G113D
S_S, (8/628, 4/429)
CN: 1>0,1; 1>0,1
ATP9B, p.V958I
S_S, (1/207, 5/167)
CN: 1,1; 1,1
CPNE6, p.A519T
S_S, (1/251, 6/204)
CN: 1,1; 1,1
NEB, Silent
S_S, (1/256, 6/143)
CN: 1,1; 1,1
LY6G6C, p.R64S
S_S, (1/160, 7/127)
CN: 1,1; 1,1
SPG20, p.T260K
S_S, (1/184, 9/182)
CN: 1,1; 1,1
PCLO, p.V4869L
S_S, (1/296, 9/197)
CN: 1,1; 1,1
PRKCQ,
S_S, (6/376, 3/301)
CN: 1,1; 1,1
C21orf62, p.T31M
S_S, (2/138, 4/91)
CN: 0,1; 0,1
AHNAK, Silent
S_S, (1/317, 6/366)
CN: 1,1; 1,1
RGPD4, Silent
S_S, (1/269, 24/344)
CN: 1,1; 1,1
AHNAK, p.N2884D
S_S, (3/466, 7/420)
CN: 1,1; 1,1
MPZL2,
S_S, (2/385, 7/592)
CN: 0,1; 0,1
MMP13, Silent
S_S, (1/248, 7/304)
CN: 0,1; 0,1
CBLN3, Silent
S_S, (1/339, 5/307)
CN: 1,1; 1,1
HRNR, p.Y1967H
S_S, (7/1284, 10/774)
CN: 1,1; 1,1
FLG, p.N1475D
S_S, (1/448, 6/260)
CN: 1,1; 1,1
MTOR, p.R2036L
S_S, (1/411, 11/325)
CN: 1,2; 1,2
ZNF679, p.S394I
S_ND, (3/15, 0/19)
CN: 1,1; 1,1
CCDC146,
S_ND, (3/29, 0/39)
CN: 1,1; 1,1
CIAPIN1, p.E57K
S_ND, (5/213, 0/187)
CN: 1,1; 1,1
LGALS12, p.E120K
S_ND, (8/110, 0/66)
CN: 1,1; 1,1
ZC3H7A, p.G788E
S_ND, (7/121, 0/162)
CN: 1,1; 1,1
TMOD4, Silent
S_ND, (5/124, 0/92)
CN: 1,1; 1,1
NAIF1, p.T179M
S_ND, (4/127, 0/117)
CN: 1,1; 1,1
GPR98, p.E2669K
S_ND, (5/69, 0/60)
CN: 1,1; 1,1
GRASP, p.R128H
S_ND, (5/308, 0/234)
CN: 1,1; 1,1
FLI1, p.A419T
S_ND, (4/90, 0/51)
CN: 0,1; 0,1
UBE3C, Silent
S_ND, (4/104, 0/117)
CN: 0,1; 0,1
ZNF263, p.V222M
S_ND, (6/169, 0/156)
CN: 1,1; 1,1
GPATCH1, p.R125Q
S_ND, (4/94, 0/97)
CN: 1,1; 1,1
GABRA2, p.S213F
ND_S, (0/125, 15/157)
CN: 1,1; 1,1
OSBPL10, p.R733W
ND_S, (0/208, 5/144)
CN: 0,2; 0,2
VPS37B, p.R153W
ND_S, (0/278, 57/288)
CN: 1,1; 1,1
FAM120B, p.T141P
ND_S, (0/115, 5/109)
CN: 1,1; 1,1
ITPR3, p.A1972S
ND_S, (0/218, 7/161)
CN: 1,1; 1,1
BCAN, p.G417V
ND_S, (0/114, 6/98)
CN: 1,1; 1,1
TBC1D5, p.R571L
ND_S, (0/83, 5/98)
CN: 0,2; 0,2
ZNF716, p.K294R
ND_S, (0/61, 4/61)
CN: 1,1; 1,1
CCDC96, p.G289V
ND_S, (0/245, 11/218)
CN: 1,1; 1,1
KCNT2, p.Y442*
ND_S, (0/169, 4/211)
CN: 1,1; 1,1
AHNAK, Silent
ND_S, (0/479, 7/403)
CN: 1,1; 1,1
ADD3, p.R513L
ND_S, (0/129, 5/151)
CN: 1,1; 1,1
PCNXL2, Silent
ND_S, (0/87, 5/71)
CN: 1,1; 1,1
DGKZ, p.R769W
ND_S, (0/13, 4/16)
CN: 1,1; 1,1
RFWD2, p.S615F
ND_S, (0/68, 11/65)
CN: 1,1; 1,1
ESRRG, Silent
ND_S, (0/202, 5/102)
CN: 1,1; 1,1
NEK1, Silent
ND_S, (0/150, 6/218)
CN: 1,1; 1,1
MIDN, p.V268F
ND_S, (0/158, 9/180)
CN: 1,1; 1,1
ZNF805, Silent
ND_S, (0/77, 4/52)
CN: 1,1; 1,1
EDEM2, p.V498E
ND_S, (0/177, 8/124)
CN: 1,1; 1,1
ATP11A, Silent
ND_S, (0/160, 4/130)
CN: 0,1; 0,1
ZFYVE9, p.A723T
ND_S, (0/61, 4/60)
CN: 1,2; 1>2,1
TOX3, Silent
ND_S, (0/181, 6/175)
CN: 1,1; 1,1
PDS5A, p.A19V
ND_S, (0/152, 4/109)
CN: 1,1; 1,1
PSMF1, p.R18S
ND_S, (0/93, 4/61)
CN: 1,1; 1,1
NEB, p.R2887W
ND_S, (0/255, 7/143)
CN: 1,1; 1,1
GALR1, p.Q92*
ND_S, (0/130, 5/78)
CN: 1,1; 1,1
FEM1B, p.R334Q
ND_S, (0/103, 4/108)
CN: 1,1; 1,1
ASB2, Silent
ND_S, (0/126, 6/98)
CN: 1,1; 1,1
NPR1, p.V667L
ND_S, (0/87, 4/50)
CN: 1,1; 1,1
RXRA, Silent
ND_S, (0/243, 12/194)
CN: 1,1; 1,1
PPWD1, p.S150P
ND_S, (0/104, 4/149)
CN: 1,1; 1,1
HOXB2, p.I12L
ND_S, (0/101, 7/148)
CN: 1,1; 1,1
CIT, p.R1041L
ND_S, (0/104, 5/84)
CN: 1,1; 1,1
PFDN2, p.G150V
ND_S, (0/59, 5/67)
CN: 1,1; 1,1

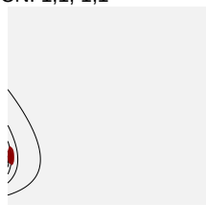
CHST9, p.N166K
ND_S, (0/118, 9/161)
CN: 1,1; 1,1

GRK5, p.T532S
ND_S, (0/259, 7/197)
CN: 1,1; 1,1

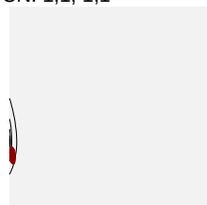
MTERFD1, p.D105A
ND_S, (0/86, 4/125)
CN: 1,1; 1,1



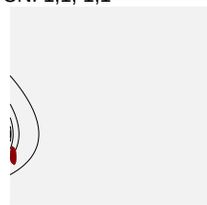
PTCH1, Silent
ND_S, (0/95, 4/91)
CN: 1,1; 1,1



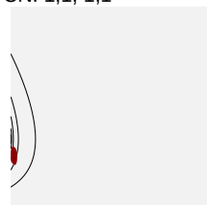
TANC1, Silent
ND_S, (0/686, 25/405)
CN: 1,1; 1,1



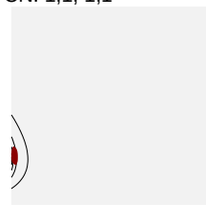
VMP1, Silent
ND_S, (0/110, 13/188)
CN: 1,1; 1,1



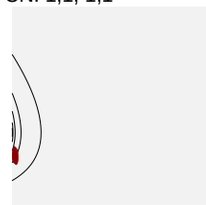
GALR1, p.F91L
ND_S, (0/131, 5/78)
CN: 1,1; 1,1



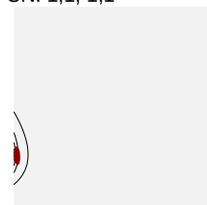
AVIL, p.D635E
ND_S, (0/214, 11/250)
CN: 1,1; 1,1



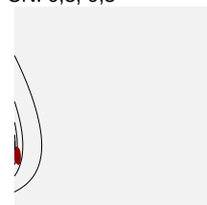
ZNF274, p.R490L
ND_S, (0/109, 7/99)
CN: 1,1; 1,1



ESCO1, p.R120L
ND_S, (0/256, 15/308)
CN: 1,1; 1,1

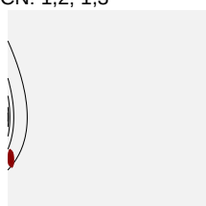


PHLDB2, p.G169S
ND_S, (0/140, 4/84)
CN: 0,3; 0,3

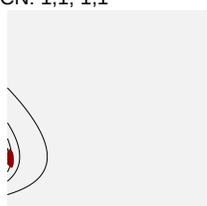


CASZ1, p.A1141S
ND_S, (0/156, 7/146)
CN: 1,2; 1,2

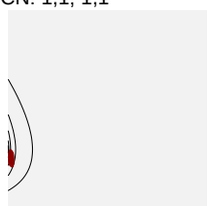
WISP1, p.T145K
ND_S, (0/211, 13/208)
CN: 1,2; 1,3



PSMC2, p.R428H
ND_S, (0/76, 5/101)
CN: 1,1; 1,1



TNF, p.A44S
ND_S, (0/133, 6/106)
CN: 1,1; 1,1



GTF2H1, p.V203I
ND_S, (0/79, 4/103)
CN: 1,1; 1,1

PPAP2A, Silent
ND_S, (0/76, 4/113)
CN: 1,1; 1,1

ZNF644, p.KIH676fs
ND_S, (0/277, 6/292)
CN: 1,2; 1,2

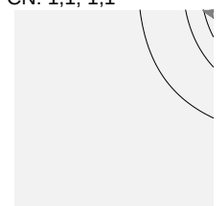
ID3, p.E53K
C_C, (76/212, 82/208)
CN: 1,2; 1,2

RAD54L2, p.R440Q
C_C, (6/14, 7/17)
CN: 0,1; 0,1

BCL2L1, p.P38S
C_C, (37/191, 51/238)
CN: 1,1; 1,1

MDK, Silent
C_C, (14/62, 22/61)
CN: 1,1; 1,1

KIF24, p.Q16H
C_C, (8/25, 7/31)
CN: 1,1; 1,1

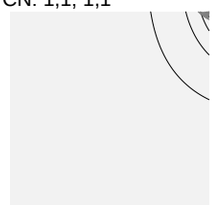


KXD1, p.T67M
C_C, (25/156, 27/105)
CN: 1,1; 1,1

C6orf62, p.PK190fs
C_C, (10/67, 23/77)
CN: 1,1; 1,1

ODF2, Silent
C_C, (6/36, 4/12)
CN: 1,1; 1,1

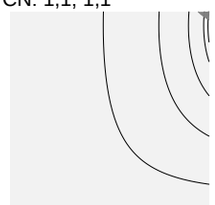
MOCS1, p.E480G
C_C, (19/86, 11/48)
CN: 1,1; 1,1



MKL1, p.D882N
C_C, (9/53, 10/28)
CN: 1,1; 1,1

SCN8A, p.S925F
C_C, (39/256, 32/154)
CN: 1,1; 1,1

CNTNAP5, Silent
C_C, (6/27, 2/11)
CN: 1,1; 1,1



TMPRSS11A, p.W241*
C_C, (16/99, 25/122)
CN: 1,1; 1,1

HACL1, Silent
C_C, (21/126, 23/131)
CN: 0,2; 0,2

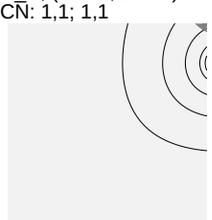
TMED8, p.G86V
C_C, (21/142, 19/100)
CN: 1,1; 1,1

ALPK3, Silent
C_C, (12/49, 10/43)
CN: 1,1; 1,1

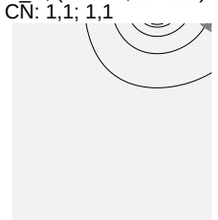
ABCA13, p.G3753V
C_C, (11/99, 16/90)
CN: 1,2; 1,2

SMAD9, p.E403K
C_C, (14/105, 14/58)
CN: 1,1; 1,1

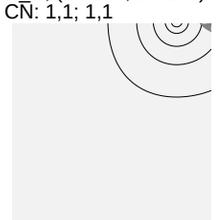
PTCH1, Silent
C_C, (16/91, 10/64)
CN: 1,1; 1,1



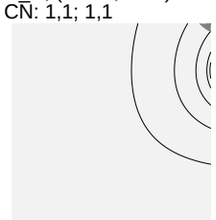
GNB2, p.R314C
C_C, (16/136, 25/113)
CN: 1,1; 1,1



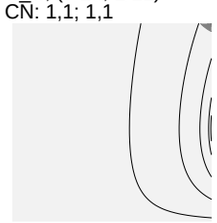
DCLK1, Silent
C_C, (26/194, 29/146)
CN: 1,1; 1,1



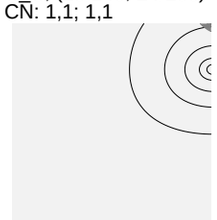
OR1E1, p.T57M
C_C, (13/65, 7/47)
CN: 1,1; 1,1



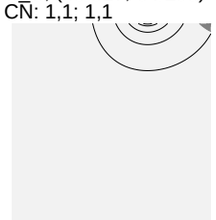
GDNF, p.A43T
C_C, (7/23, 1/11)
CN: 1,1; 1,1



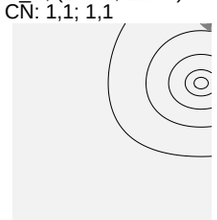
ZNF33B, p.C502Y
C_C, (23/140, 24/160)
CN: 1,1; 1,1



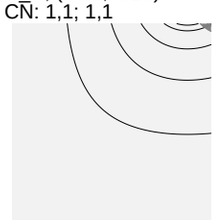
MRPS18B, p.R173W
C_C, (35/317, 64/295)
CN: 1,1; 1,1



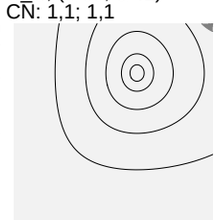
BAZ2B, p.K1505*
C_C, (14/91, 12/88)
CN: 1,1; 1,1



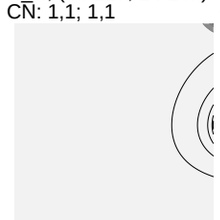
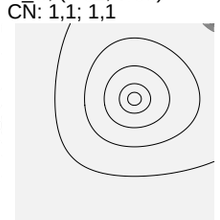
CSMD1, p.V2881I
C_C, (5/35, 6/25)
CN: 1,1; 1,1



ATXN7L2, Silent
C_C, (6/60, 6/41)
CN: 1,1; 1,1



SERPINF1, Silent
C_C, (45/217, 14/148)
CN: 1,1; 1,1



FREM2, Silent
C_C, (6/62, 7/58)
CN: 1,1; 1,1