

Supplementary Materials

Table S1. Significant partial correlations (*r*) with adjusted *p*-values less than 0.05.

Node 1	Node 2	Partial <i>r</i>	Adjusted <i>p</i> -value
Loss of interest	Feelings of sadness	0.999	.000
IL-6	CRP	0.718	.000
Feelings of sadness	Feelings of worthlessness	0.635	.000
Sleep disturbance	Fatigue	0.481	.000
Fatigue	Appetite changes	0.421	.000
Feelings of worthlessness	Concentration difficulty	0.380	.000
Concentration difficulty	Psychomotor problems	0.324	.000
Loss of interest	Fatigue	0.405	.000
Feelings of worthlessness	Suicidal ideation	0.277	.000
Loss of interest	Concentration difficulty	0.306	.000
Appetite changes	Psychomotor problems	0.230	.000
IL-6	Age	0.187	.000
IL-6	TNF- α	0.180	.000
BMI	Age	-0.159	.000
Feelings of sadness	Psychomotor problems	0.250	.000
IL-6	BMI	0.156	.000
Age	Feelings of worthlessness	-0.172	.001
Feelings of sadness	Sleep disturbance	0.231	.001
Age	Appetite changes	-0.151	.001
Feelings of sadness	Suicidal ideation	0.204	.002
Sleep disturbance	Appetite changes	0.171	.002
Appetite changes	Feelings of worthlessness	0.183	.002
Sleep disturbance	Feelings of worthlessness	0.180	.003
Psychomotor problems	Suicidal ideation	0.139	.005
Fatigue	Psychomotor problems	0.158	.009
BMI	Fatigue	0.133	.009
Appetite changes	Concentration difficulty	0.144	.012
Feelings of sadness	Fatigue	0.197	.012
Loss of interest	Suicidal ideation	0.160	.012
MCP-1	Sleep disturbance	0.107	.022
Loss of interest	Appetite changes	0.157	.026
MCP-1	Psychomotor problems	0.099	.031
Concentration difficulty	Suicidal ideation	0.112	.038
Sleep disturbance	Psychomotor problems	0.117	.038
TNF- α	BMI	-0.081	.042

Table S2. NemoCollection results.

CR	
CR	[psychomotor problems, suicidal ideation, loss of interest, Feelings of sadness]
CR	[psychomotor problems, suicidal ideation, loss of interest, MCP-1]
CR	[psychomotor problems, suicidal ideation, loss of interest, sleep disturbance]
CR	[psychomotor problems, suicidal ideation, fatigue, BMI]
CR	[psychomotor problems, suicidal ideation, fatigue, feelings of worthlessness]
CR	[psychomotor problems, suicidal ideation, appetite changes, age]
CR	[psychomotor problems, suicidal ideation, feelings of worthlessness, MCP-1]
CR	[psychomotor problems, suicidal ideation, feelings of worthlessness, age]
CR	[psychomotor problems, fatigue, loss of interest, Feelings of sadness]
CR	[psychomotor problems, fatigue, loss of interest, MCP-1]
CR	[psychomotor problems, fatigue, BMI, concentration difficulty]
CR	[psychomotor problems, fatigue, BMI, IL-6]
CR	[psychomotor problems, fatigue, BMI, MCP-1]
CR	[psychomotor problems, fatigue, BMI, age]
CR	[psychomotor problems, fatigue, BMI, TNF- α]
CR	[psychomotor problems, fatigue, concentration difficulty, feelings of worthlessness]
CR	[psychomotor problems, appetite changes, loss of interest, Feelings of sadness]
CR	[psychomotor problems, appetite changes, loss of interest, MCP-1]
CR	[psychomotor problems, appetite changes, feelings of worthlessness, MCP-1]
CR	[psychomotor problems, appetite changes, MCP-1, age]
CR	[psychomotor problems, appetite changes, age, BMI]
CR	[psychomotor problems, appetite changes, age, IL-6]
CR	[psychomotor problems, concentration difficulty, loss of interest, Feelings of sadness]
CR	[psychomotor problems, concentration difficulty, loss of interest, MCP-1]
CR	[psychomotor problems, concentration difficulty, loss of interest, sleep disturbance]
CR	[psychomotor problems, concentration difficulty, feelings of worthlessness, MCP-1]
CR	[psychomotor problems, concentration difficulty, feelings of worthlessness, age]
CR	[psychomotor problems, sleep disturbance, feelings of worthlessness, age]
CR	[suicidal ideation, loss of interest, Feelings of sadness, feelings of worthlessness]
CR	[suicidal ideation, loss of interest, Feelings of sadness,]
CR	[suicidal ideation, loss of interest, fatigue, BMI]
CR	[suicidal ideation, loss of interest, fatigue, feelings of worthlessness]
CR	[suicidal ideation, loss of interest, fatigue, sleep disturbance]
CR	[suicidal ideation, loss of interest, appetite changes, sleep disturbance]
CR	[suicidal ideation, loss of interest, appetite changes, age]
CR	[suicidal ideation, loss of interest, feelings of worthlessness, sleep disturbance]
CR	[suicidal ideation, loss of interest, feelings of worthlessness, age]
CR	[suicidal ideation, feelings of worthlessness, appetite changes, fatigue]
CR	[suicidal ideation, feelings of worthlessness, sleep disturbance, fatigue]

CR	[suicidal ideation, feelings of worthlessness, sleep disturbance, MCP-1]
CR	[suicidal ideation, feelings of worthlessness, age, BMI]
CR	[suicidal ideation, feelings of worthlessness, age, IL-6]
CR	[suicidal ideation, concentration difficulty, appetite changes, fatigue]
CR	[suicidal ideation, concentration difficulty, appetite changes, sleep disturbance]
CR	[suicidal ideation, concentration difficulty, appetite changes, age]
CR	[loss of interest, Feelings of sadness, fatigue, BMI]
CR	[loss of interest, Feelings of sadness, fatigue,]
CR	[loss of interest, Feelings of sadness, fatigue, sleep disturbance]
CR	[loss of interest, Feelings of sadness, appetite changes, feelings of worthlessness]
CR	[loss of interest, Feelings of sadness, appetite changes,]
CR	[loss of interest, Feelings of sadness, appetite changes, sleep disturbance]
CR	[loss of interest, Feelings of sadness, appetite changes, age]
CR	[loss of interest, Feelings of sadness, concentration difficulty, feelings of worthlessness]
CR	[loss of interest, Feelings of sadness, concentration difficulty,]
CR	[loss of interest, fatigue, BMI, concentration difficulty]
CR	[loss of interest, fatigue, BMI, IL-6]
CR	[loss of interest, fatigue, BMI, age]
CR	[loss of interest, fatigue, BMI, TNF- α]
CR	[loss of interest, fatigue, concentration difficulty, feelings of worthlessness]
CR	[loss of interest, fatigue, concentration difficulty, sleep disturbance]
CR	[loss of interest, fatigue, sleep disturbance, feelings of worthlessness]
CR	[loss of interest, fatigue, sleep disturbance, MCP-1]
CR	[loss of interest, appetite changes, sleep disturbance, MCP-1]
CR	[loss of interest, appetite changes, age, BMI]
CR	[loss of interest, appetite changes, age, IL-6]
CR	[loss of interest, concentration difficulty, feelings of worthlessness, sleep disturbance]
CR	[loss of interest, concentration difficulty, feelings of worthlessness, age]
CR	[BMI, fatigue, appetite changes, feelings of worthlessness]
CR	[BMI, fatigue, appetite changes, concentration difficulty]
CR	[BMI, fatigue, appetite changes, IL-6]
CR	[BMI, fatigue, appetite changes, TNF- α]
CR	[BMI, fatigue, IL-6, sleep disturbance]
CR	[BMI, fatigue, IL-6, CRP]
CR	[BMI, fatigue, sleep disturbance, feelings of worthlessness]
CR	[BMI, fatigue, sleep disturbance, MCP-1]
CR	[BMI, fatigue, sleep disturbance, age]
CR	[BMI, fatigue, sleep disturbance, TNF- α]
CR	[BMI, fatigue, age, feelings of worthlessness]
CR	[BMI, age, appetite changes, concentration difficulty]
CR	[BMI, age, appetite changes, sleep disturbance]

CR	[BMI, age, appetite changes, TNF- α]
CR	[BMI, age, feelings of worthlessness, concentration difficulty]
CR	[BMI, age, feelings of worthlessness, sleep disturbance]
CR	[BMI, age, feelings of worthlessness, TNF- α]
CR	[fatigue, appetite changes, age, IL-6]
CR	[fatigue, sleep disturbance, feelings of worthlessness, concentration difficulty]
CR	[fatigue, sleep disturbance, feelings of worthlessness, age]
CR	[appetite changes, concentration difficulty, sleep disturbance, MCP-1]
CR	[appetite changes, concentration difficulty, age, IL-6]
CR	[appetite changes, sleep disturbance, MCP-1, age]
CR	[appetite changes, sleep disturbance, age, IL-6]
CR	[appetite changes, age, IL-6, TNF- α]
CR	[appetite changes, age, IL-6, CRP]
CR	[feelings of worthlessness, concentration difficulty, sleep disturbance, MCP-1]
CR	[feelings of worthlessness, concentration difficulty, age, IL-6]
CR	[feelings of worthlessness, sleep disturbance, MCP-1, age]
CR	[feelings of worthlessness, sleep disturbance, age, IL-6]
CR	[feelings of worthlessness, age, IL-6, TNF- α]
CR	[feelings of worthlessness, age, IL-6, CRP]
Cr	
Cr	[psychomotor problems, suicidal ideation, loss of interest, fatigue]
Cr	[psychomotor problems, suicidal ideation, loss of interest, appetite changes]
Cr	[psychomotor problems, suicidal ideation, appetite changes, feelings of worthlessness]
Cr	[psychomotor problems, suicidal ideation, feelings of worthlessness, sleep disturbance]
Cr	[psychomotor problems, fatigue, loss of interest, concentration difficulty]
Cr	[psychomotor problems, concentration difficulty, feelings of worthlessness, sleep disturbance]
Cr	[suicidal ideation, loss of interest, appetite changes, feelings of worthlessness]
Cr	[BMI, fatigue, appetite changes, age]
CN	
CN	[psychomotor problems, suicidal ideation, fatigue, appetite changes]
CN	[psychomotor problems, suicidal ideation, fatigue, concentration difficulty]
CN	[psychomotor problems, suicidal ideation, fatigue, sleep disturbance]
CN	[psychomotor problems, suicidal ideation, appetite changes, sleep disturbance]
CN	[psychomotor problems, suicidal ideation, concentration difficulty, MCP-1]
CN	[psychomotor problems, suicidal ideation, concentration difficulty, sleep disturbance]
CN	[psychomotor problems, suicidal ideation, MCP-1, sleep disturbance]
CN	[psychomotor problems, fatigue, loss of interest, sleep disturbance]
CN	[psychomotor problems, fatigue, BMI, appetite changes]
CN	[psychomotor problems, fatigue, BMI, sleep disturbance]
CN	[psychomotor problems, fatigue, appetite changes, feelings of worthlessness]
CN	[psychomotor problems, fatigue, appetite changes, MCP-1]
CN	[psychomotor problems, fatigue, appetite changes, age]

CN	[psychomotor problems, fatigue, concentration difficulty, sleep disturbance]
CN	[psychomotor problems, fatigue, sleep disturbance, feelings of worthlessness]
CN	[psychomotor problems, appetite changes, loss of interest, sleep disturbance]
CN	[psychomotor problems, appetite changes, feelings of worthlessness, age]
CN	[psychomotor problems, appetite changes, concentration difficulty, MCP-1]
CN	[psychomotor problems, appetite changes, concentration difficulty, age]
CN	[psychomotor problems, appetite changes, sleep disturbance, age]
CN	[psychomotor problems, concentration difficulty, MCP-1, sleep disturbance]
CN	[psychomotor problems, MCP-1, sleep disturbance, feelings of worthlessness]
CN	[suicidal ideation, loss of interest, Feelings of sadness, concentration difficulty]
CN	[suicidal ideation, loss of interest, fatigue, appetite changes]
CN	[suicidal ideation, loss of interest, fatigue, concentration difficulty]
CN	[suicidal ideation, feelings of worthlessness, appetite changes, sleep disturbance]
CN	[suicidal ideation, feelings of worthlessness, appetite changes, age]
CN	[suicidal ideation, feelings of worthlessness, concentration difficulty, sleep disturbance]
CN	[suicidal ideation, feelings of worthlessness, concentration difficulty, age]
CN	[loss of interest, Feelings of sadness, fatigue, appetite changes]
CN	[loss of interest, Feelings of sadness, appetite changes, concentration difficulty]
CN	[loss of interest, fatigue, BMI, appetite changes]
CN	[loss of interest, fatigue, appetite changes, feelings of worthlessness]
CN	[loss of interest, fatigue, appetite changes, age]
CN	[loss of interest, appetite changes, feelings of worthlessness, sleep disturbance]
CN	[loss of interest, appetite changes, feelings of worthlessness, age]
CN	[loss of interest, appetite changes, concentration difficulty, sleep disturbance]
CN	[loss of interest, appetite changes, concentration difficulty, age]
CN	[BMI, fatigue, appetite changes, sleep disturbance]
CN	[BMI, fatigue, IL-6, age]
CN	[BMI, fatigue, IL-6, TNF- α]
CN	[BMI, IL-6, age, appetite changes]
CN	[BMI, IL-6, age, feelings of worthlessness]
CN	[BMI, IL-6, age, CRP]
CN	[BMI, IL-6, TNF- α , CRP]
CN	[BMI, age, appetite changes, feelings of worthlessness]
CN	[fatigue, appetite changes, feelings of worthlessness, concentration difficulty]
CN	[fatigue, appetite changes, feelings of worthlessness, age]
CN	[fatigue, appetite changes, concentration difficulty, sleep disturbance]
CN	[fatigue, appetite changes, sleep disturbance, MCP-1]
CN	[fatigue, appetite changes, sleep disturbance, age]
CN	[appetite changes, feelings of worthlessness, sleep disturbance, MCP-1]
CN	[appetite changes, feelings of worthlessness, age, IL-6]
CF	

CF	[psychomotor problems, suicidal ideation, loss of interest, feelings of worthlessness]
CF	[psychomotor problems, suicidal ideation, fatigue, MCP-1]
CF	[psychomotor problems, suicidal ideation, appetite changes, MCP-1]
CF	[psychomotor problems, fatigue, loss of interest, BMI]
CF	[psychomotor problems, fatigue, concentration difficulty, MCP-1]
CF	[psychomotor problems, appetite changes, loss of interest, feelings of worthlessness]
CF	[psychomotor problems, appetite changes, loss of interest, age]
CF	[psychomotor problems, concentration difficulty, loss of interest, feelings of worthlessness]
CF	[suicidal ideation, loss of interest, Feelings of sadness, fatigue]
CF	[suicidal ideation, loss of interest, Feelings of sadness, appetite changes]
CF	[suicidal ideation, feelings of worthlessness, sleep disturbance, age]
CF	[loss of interest, Feelings of sadness, fatigue, concentration difficulty]
CF	[loss of interest, fatigue, BMI, sleep disturbance]
CF	[loss of interest, appetite changes, sleep disturbance, age]
CF	[BMI, fatigue, age, TNF- α]
CF	[fatigue, appetite changes, concentration difficulty, age]
CF	[fatigue, sleep disturbance, feelings of worthlessness, MCP-1]
CF	[appetite changes, concentration difficulty, sleep disturbance, age]
CF	[feelings of worthlessness, concentration difficulty, sleep disturbance, age]
CF	[IL-6, age, TNF- α , CRP]
C~	
C~	[psychomotor problems, fatigue, appetite changes, sleep disturbance]
C^	
C^	[psychomotor problems, suicidal ideation, loss of interest, concentration difficulty]
C^	[psychomotor problems, suicidal ideation, appetite changes, concentration difficulty]
C^	[psychomotor problems, suicidal ideation, feelings of worthlessness, concentration difficulty]
C^	[psychomotor problems, fatigue, loss of interest, appetite changes]
C^	[psychomotor problems, fatigue, appetite changes, concentration difficulty]
C^	[psychomotor problems, fatigue, MCP-1, sleep disturbance]
C^	[psychomotor problems, appetite changes, loss of interest, concentration difficulty]
C^	[psychomotor problems, appetite changes, feelings of worthlessness, concentration difficulty]
C^	[psychomotor problems, appetite changes, feelings of worthlessness, sleep disturbance]
C^	[psychomotor problems, appetite changes, concentration difficulty, sleep disturbance]
C^	[psychomotor problems, appetite changes, MCP-1, sleep disturbance]
C^	[suicidal ideation, loss of interest, appetite changes, concentration difficulty]
C^	[suicidal ideation, loss of interest, feelings of worthlessness, concentration difficulty]
C^	[suicidal ideation, feelings of worthlessness, appetite changes, concentration difficulty]
C^	[loss of interest, fatigue, appetite changes, concentration difficulty]
C^	[loss of interest, fatigue, appetite changes, sleep disturbance]
C^	[loss of interest, appetite changes, feelings of worthlessness, concentration difficulty]
C^	[BMI, IL-6, age, TNF- α]

C^	[fatigue, appetite changes, feelings of worthlessness, sleep disturbance]
C^	[appetite changes, feelings of worthlessness, concentration difficulty, sleep disturbance]
C^	[appetite changes, feelings of worthlessness, concentration difficulty, age]
C^	[appetite changes, feelings of worthlessness, sleep disturbance, age]

Note. "CN," "C~," and "C^" patterns, which are labeled in **bold**, were determined as network motifs.