

Table SI. Top 10 genes in PPI network ranked by Clustering Coefficient method.		
Rank	Name	Score
1	IL24	1
1	CX3CL1	1
1	IKBKE	1
1	NRG2	1
1	PPP1R15A	1
1	ATG9B	1
7	CCL2	0.861111111
8	CXCR4	0.844444444
9	NRG1	0.8
9	PTK6	0.8

Table SII. Expression of NRG2 in different clinical subgroups of BRCA.			
Characteristics	Low expression of NRG2	High expression of NRG2	P-value
n	543	544	
Pathologic T stage, n (%)			0.474
T1	135 (12.5%)	143 (13.2%)	
T2	325 (30%)	306 (28.2%)	
T3&T4	82 (7.6%)	93 (8.6%)	
Pathologic N stage, n (%)			0.089
N0	248 (23.2%)	268 (25.1%)	
N1	183 (17.1%)	176 (16.5%)	
N2	68 (6.4%)	48 (4.5%)	
N3	32 (3%)	45 (4.2%)	
Pathologic M stage, n (%)			0.719
M0	461 (49.8%)	444 (48%)	
M1	11 (1.2%)	9 (1%)	
Age, n (%)			<0.001
≤60	263 (24.2%)	340 (31.3%)	
>60	280 (25.8%)	204 (18.8%)	
Ethnicity, n (%)			<0.001

Table SII. Expression of NRG2 in different clinical subgroups of BRCA.			
Characteristics	Low expression of NRG2	High expression of NRG2	P-value
Asian	41 (4.1%)	19 (1.9%)	
Black or African American	72 (7.2%)	110 (11%)	
White	368 (36.9%)	387 (38.8%)	
PR status, n (%)			<0.001
Negative	120 (11.6%)	222 (21.5%)	
Positive	393 (38%)	299 (28.9%)	
ER status, n (%)			<0.001
Negative	64 (6.2%)	176 (17%)	
Positive	449 (43.3%)	348 (33.6%)	
HER2 status, n (%)			<0.001
Negative	252 (35.1%)	308 (43%)	
Positive	98 (13.7%)	59 (8.2%)	