

Fig.S1 GO and KEGG enrichment analysis of genes in the turquoise module of WGCNA.

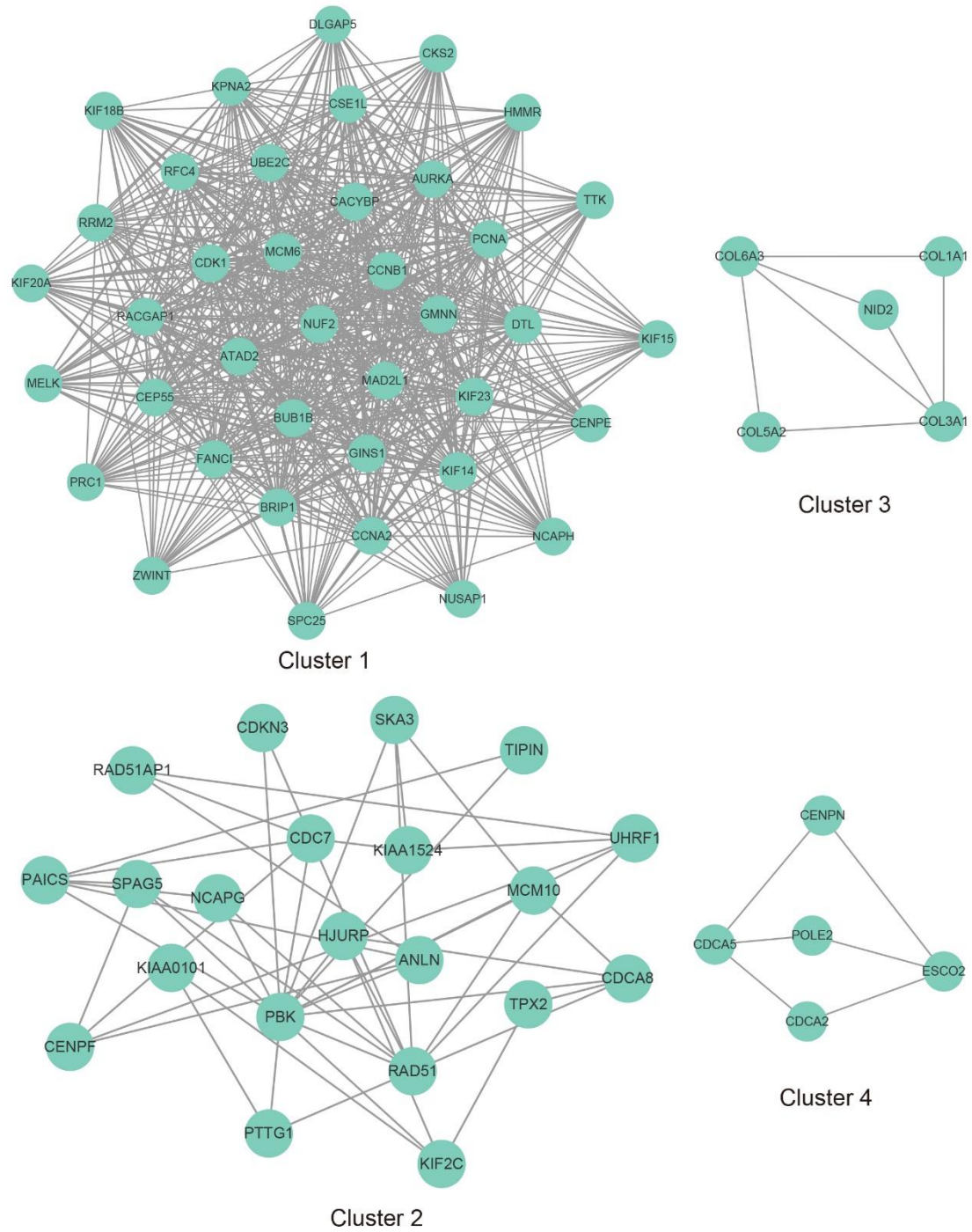


Fig.S2 Four clusters of protein-protein interactions were identified via applying the MCODE plug-in in Cytoscape.

Table S1. The primer sequence for qRT-PCR

Gene	Forward (5'-3')	Reverse (5'-3')
GAPDH	AACGGATTTGGTCGTATTGGG	TCGCTCCTGGAAGATGGTGAT
HOXA10	CTCGCCCATAGACCTGTGG	GTTCTGCGCGAAAGAGCAC
RFC4	GGATGAAGTTGCTTTCCAGG	TTTTCCAGTTCCAGGTGGTC
CCNB1	TGTTGGTTTCTGCTGGGTGT	TGCCATGTTGATCTTCGCCT
RELB	CCATTGAGCGGAAGATTCAACT	CTGCTGGTCCCGATATGAGG
MYC	CCTACCCTCTCAACGACAGC	TTCCTCCTCAGAGTCGCTGC
ETV7	CTGCTGTGGGATTACGTGTATC	GTGCCGCTGAGTAAATGGGA
EGR1	GGTCAGTGGCCTAGTGAGC	GTGCCGCTGAGTAAATGGGA

Table S2. Clinical Trait Score For WGCNA Analysis

Datasets	sample	NPC	T stage	N stage	WHO diagnosis	T/N stage	WHO diagnosis
1	GSM312896	0	0	0	0	None	None
2	GSM312897	0	0	0	0	None	None
3	GSM312898	0	0	0	0	None	None
4	GSM312899	0	0	0	0	None	None
5	GSM312900	0	0	0	0	None	None
6	GSM312901	0	0	0	0	None	None
7	GSM312902	0	0	0	0	None	None
8	GSM312903	0	0	0	0	None	None
9	GSM312904	0	0	0	0	None	None
10	GSM312905	0	0	0	0	None	None
11	GSM312906	1	1	1	2	T1N1	IIB
12	GSM312907	1	2	2	2	T2N2	IIB
13	GSM312908	1	3	2	2	T3N2	IIA
14	GSM312909	1	2	2	2	T2N2	IIA
15	GSM312910	1	2	1	2	T2N1	IIB
16	GSM312911	1	1	1	2	T1N1	IIA
17	GSM312912	1	1	1	2	T1N1	IIA
18	GSM312913	1	1	1	2	T1N1	IIA
19	GSM312914	1	1	0	2	T1N0	IIB
20	GSM312915	1	2	2	2	T2N2	IIB
21	GSE12452 GSM312916	1	1	1	2	T1N1	IIB
22	GSM312917	1	2	2	2	T2N2	IIB
23	GSM312918	1	2	1	2	T2N1	IIA
24	GSM312919	1	1	1	2	T1N1	IIA
25	GSM312920	1	1	0	2	T1N0	IIA
26	GSM312921	1	1	1	2	T1N1	IIA
27	GSM312922	1	1	1	2	T1N1	IIA
28	GSM312923	1	1	0	2	T1N0	IIB
29	GSM312924	1	1	1	2	T1N1	IIB
30	GSM312925	1	3	0	2	T3N0	IIA
31	GSM312926	1	2	1	2	T2N1	IIB
32	GSM312927	1	2	2	2	T2N2	IIB
33	GSM312928	1	2	2	2	T2N2	IIA
34	GSM312929	1	1	0	2	T1N0	IIB
35	GSM312930	1	2	1	2	T2N1	IIA
36	GSM312931	1	3	1	2	T3N1	IIB
37	GSM312932	1	1	1	2	T1N1	IIA
38	GSM312933	1	1	0	2	T1N0	IIA
39	GSM312934	1	1	0	2	T1N0	IIB
40	GSM312935	1	2	1	2	T2N1	IIA
41	GSM312936	1	3	2	2	T3N2	IIB
42	GSM1575894	0	0	0	0	None	None
43	GSM1575895	0	0	0	0	None	None
44	GSM1575896	0	0	0	0	None	None
45	GSM1575897	0	0	0	0	None	None

46	GSM1575898	1	1	0	2	T1N0	II
47	GSM1575899	1	1	1	2	T1N1	II
48	GSM1575900	1	1	1	3	T1N1	III
49	GSM1575901	1	1	2	2	T1N2	II
50	GSM1575902	1	1	3	2	T1N3	II
51	GSM1575903	1	4	0	2	T4N0	II
52	GSM1575904	1	4	2	3	T4N2	III
53	GSM1575905	1	1	1	3	T1N1	III
54	GSM1575906	1	1	2	3	T1N2	III
55	GSM1575907	1	4	0	3	T4N0	III
56	GSM1575908	1	1	1	3	T1N1	III
57	GSM1575909	1	3	0	3	T3N0	III

Note:

NPC		T stage		N stage		WHO diagnosis	
Normal	0	Normal	0	Normal	0	Normal	0
Tumor	1	T1	1	N0	0	I	1
		T2	2	N1	1	II	2
		T3	3	N2	2	III	3
		T4	4	N3	3		