

Supplementary material

Table 1. siRNA and shRNA sequences.

Name	Oligo sequence (5'→3')
si-FUT3-1	sense: CCGAGAAGCUGUGGAGGAATT
	Antisense: UCCUCCACAGCUUCUCGGTT
si-FUT3-2	sense: CUGCAAGGCCUGCUGGAAATT
	Antisense: UUCCAGCAGGCCUUGCAGTT
si-FUT3-3	sense: UGGAAGCCCUGGACAGAUATT
	Antisense: UAUCUGUCCAGGGCUUCCTT
si-B3GNT3-1	sense: GCAAUCAGACACAGAUUCUATT
	Antisense: UAGAUCUGUGUCUGAUUGCTT
si-B3GNT3-2	sense: GCAAGUACUAUGUGCCAGATT
	Antisense: UCUGGCACAUAGUACUUGCTT
si-B3GNT3-3	sense: GCACAGACUCACGGAGACATT
	Antisense: UGUCUCCGUGAGUCUGUGCTT
si-Ctrl	sense: UUCUCCGAACGUGUCACGUTT
	Antisense: ACGUGACACGUUCGGAGAATT
sh-FUT3	sense: CCGGTGAAGCCCTGGACAGATATTCAAGAGATATCTGTCCAGGGCTTCC ATTTTTTG
	Antisense: AATTCAAAAAATGGAAGCCCTGGACAGATATCTCTTGAATATCTGTCCAG GGCTTCCA
sh-Ctrl	sense: CCGGCCTAAGGTTAAGTCGCCCTCGCTCGAGCGAGGGCGACTTAACCTTA GGTTTTTG
	Antisense: AATTCAAAAAACCTAAGGTTAAGTCGCCCTCGCTCGAGCGAGGGCGACTT AACCTTAGG

Abbreviated: FUT3, fucosyltransferase3. B3GNT3, β 1,3-N-acetylglucosaminyltransferase-3

Table 2. Primer sequences for RT-qPCR.

Name	Forward primer (5' to 3')	Reverse primer (5' to 3')
FUT3	CTGTCCCGCTGTTTCAGAGATG	AGGCGTGACTTAGGGTTGGA
B3GNT3	TCCTCCTCTTCAGTCTGCTAGT	CCGGGTGGGTGACCATAGA
GAPDH	GGAGCGAGATCCCTCCAAAAT	GGCTGTTGTCATACTTCTCATGG

Abbreviated: FUT3, fucosyltransferase 3; B3GNT3, β 1,3-N-acetylglucosaminyltransferase-3;
RT-qPCR, real-time quantitative PCR.

Table 3. Antibodies used for IHC, WB and IF.

Antibody name	Product	WB dilution ratio
FUT3	Proteintech 67344-1-Ig	1:5000
B3GNT3	Proteintech 18098-1-AP	1:1000
P62	Proteintech 18420-1-AP	1:10000
Beclin1	Proteintech 11306-1-AP	1:1000
LC3B	ZENBIO 381544	1:1000
p-p65 (Ser468)	Proteintech 82335-1-RR	1:5000
p65	Proteintech 10745-1-AP	1:500
p-I κ B α	Thermo Fisher MA5-15087	1:1000
I κ B α	ABclonal A1187	1:1000
GAPDH	Proteintech 60004-1-Ig	1:10000

Abbreviated: FUT3, fucosyltransferase3; B3GNT3: β 1,3-N-acetylglucosaminyltransferase-3, IHC: immunohistochemistry; WB: western blotting; IF: Immunofluorescence

Table 4. FUT3 levels and clinical pathological characteristics of PC patients.

Pathological Parameters	FUT3 Low	FUT3 High	p values
Gender (Female/Male)	24/16	28/21	0.786
Age (years)	66.63 ± 10.24	65.59 ± 8.87	0.611
differentiation (moderate/ poor)	27/13	22/27	0.033
Tumor Size (T1-T2/T3-T4)	21/19	26/23	0.958
Lymph Node Metastasis (N0-N1/N2)	32/8	28/21	0.022
TNM Staging (I-II/III-IV)	33/7	30/19	0.028
Distant Metastasis (No/Yes)	37/3	43/6	0.460
Diabetes (No/Yes)	20/20	25/24	0.924