

Supplemental Table 2. Correlation analysis between HOPX-β methylation status and clinicopathological variables (n= 89)

Variables	Total number	HOPX-β hypermethylation			P value
		negativity	positivity	positive rate (%)	
Age (years)					
<65	51	12	39	76	0.28
≥65	38	3	35	92	
Gender					
Male	46	7	39	85	0.66
Female	43	8	35	81	
preoperative serum CA19-9					
<37 U/ml	23	2	21	91	0.33
≥37 U/ml	66	13	53	80	
Location					
head	68	12	56	82	0.81*
body	15	2	13	81	
tail	6	1	5	83	
Growth pattern					
nodular	35	5	30	86	0.6
other	54	10	44	81	
histology					
well	37	8	29	78	0.45*
moderately	34	5	29	85	
poor	18	2	16	89	
tumor size (cm)					
≤2	13	3	10	77	0.16*
2<ts≤4	61	12	49	80	
4<ts≤6	13	0	13	100	
<6	2	0	2	100	
ND factor					
ND<10	50	8	42	84	0.8
ND10	39	7	32	82	
pancreatic cut end margin (PCM)					
absence	75	13	62	83	>0.99
presence	14	2	12	86	
bile duct cut end margin (BCM)					
absence	70	12	58	83	>0.99
presence	1	0	1	100	
dissected pancreatic tissue margin (DPM)					
absence	48	7	41	85	0.53
presence	41	8	33	80	
residual tumor (R factor)					
0	35	3	32	91	0.27*
1	40	10	30	75	
2	14	2	12	86	
stage (JPS)					
III	39	7	32	82	0.66*
IVa	26	5	21	81	
IVb	24	3	21	88	
T factor (JPS)					
1	1	0	1	100	0.97*
2	3	0	3	100	
3	58	11	47	81	
4	27	4	23	85	
lymph node metastasis (N) (JPS)					
0	23	4	19	83	0.71*
1	34	6	28	82	
2	19	4	15	79	
3	13	1	12	92	
distant metastasis (M) (JPS)					
absence	82	14	68	83	>0.99
presence	7	1	6	86	
stage (UICC)					
IB	1	0	1	100	0.53*
IIA	21	4	17	81	
IIB	46	9	37	80	
III	3	0	3	100	
IV	18	2	16	89	
T factor (UICC)					
1	3	1	2	67	0.8*
2	7	1	6	86	
3	78	13	65	83	
4	1	0	1	100	
lymph node metastasis (N) (UICC)					
0	23	4	19	83	>0.99
1	66	11	55	83	
distant metastasis (M) (UICC)					
absence	71	13	58	82	0.72
presence	18	2	16	89	
operation					
PD	67	12	55	82	0.77*
DP	20	3	17	85	
TP	2	0	2	100	
lymph node dissection (D)					
0,1	11	2	9	82	0.19*
2	32	8	24	75	
2+a	40	4	36	90	
3	6	1	5	83	
post operative therapy (including adjuvant therapy)					
absence	32	4	28	88	0.55
presence	57	11	46	81	

* Kruskal-Wallis rank test, the remaining variables: Fisher's exact test or chi-square test