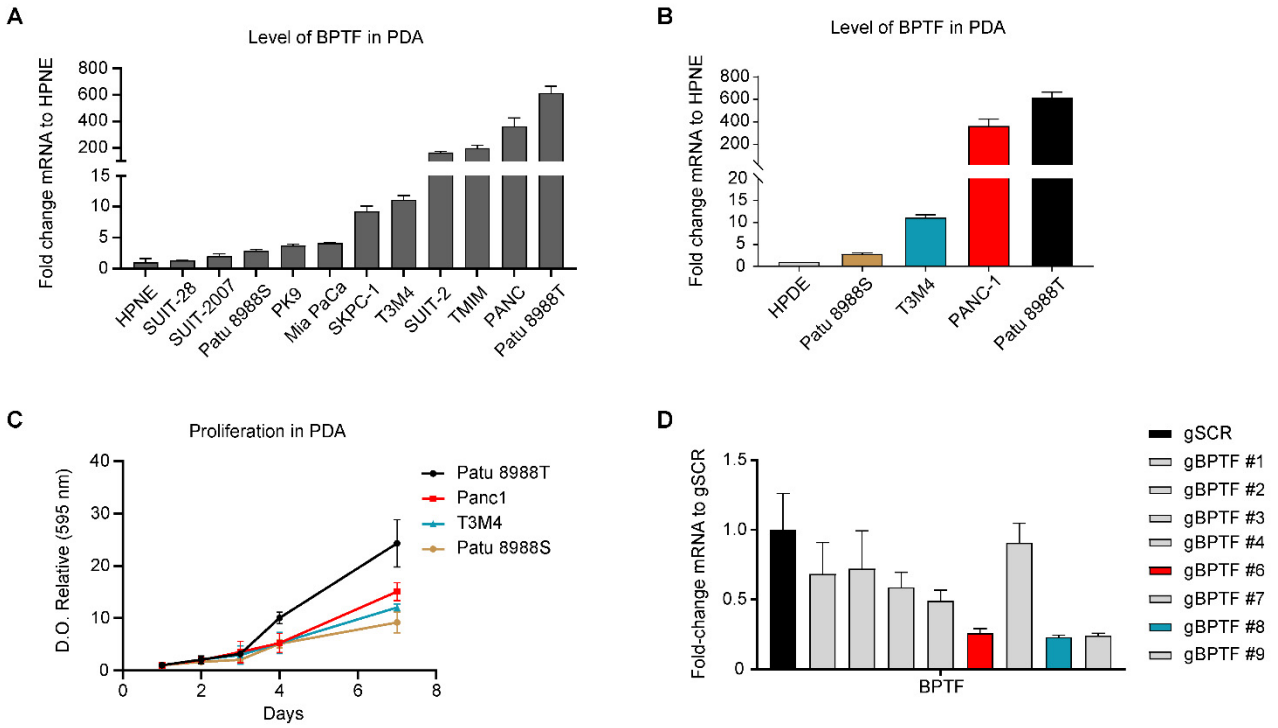
cancers

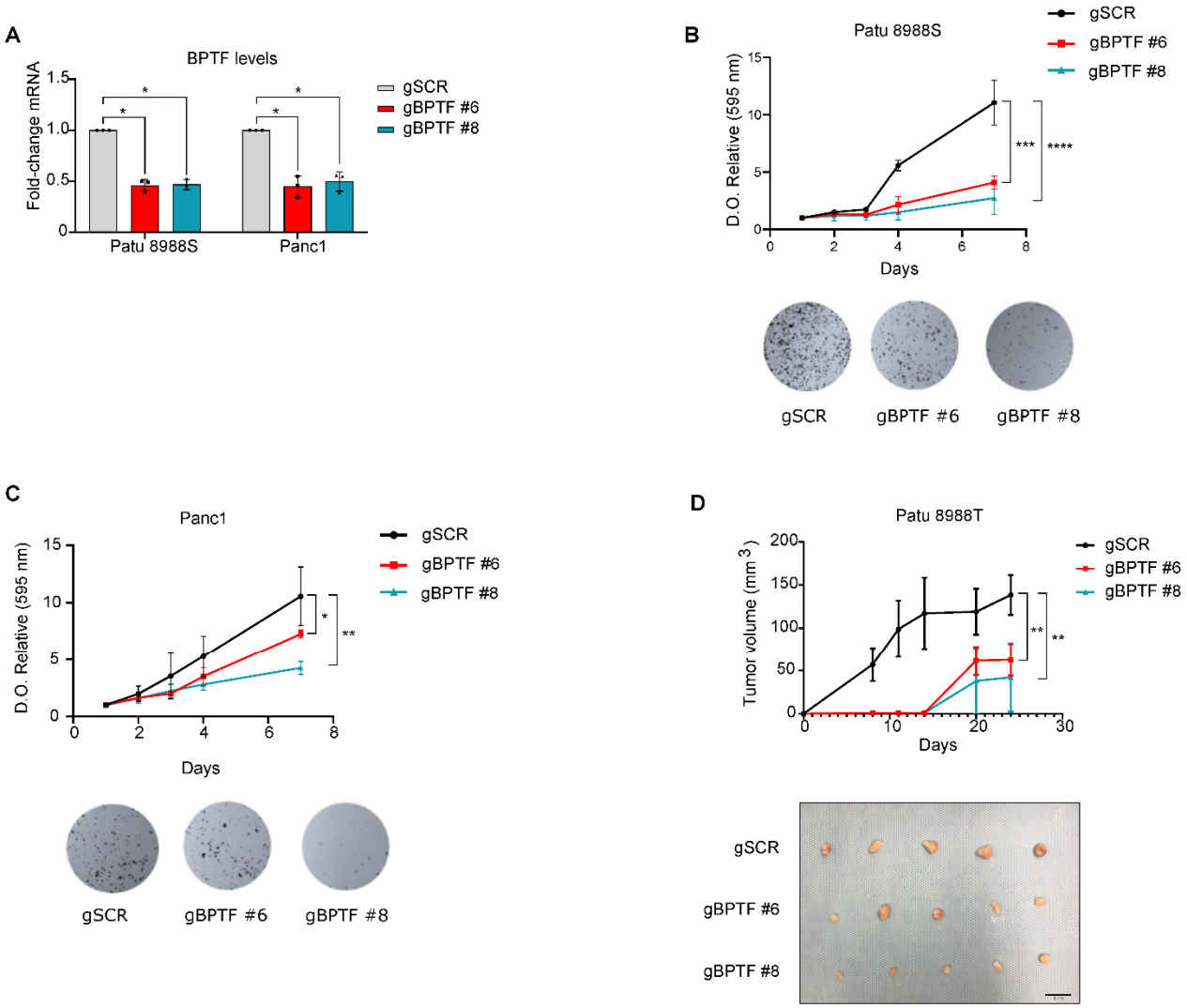
Supplementary Figures

FIGURE SUPPLEMENTARY 1



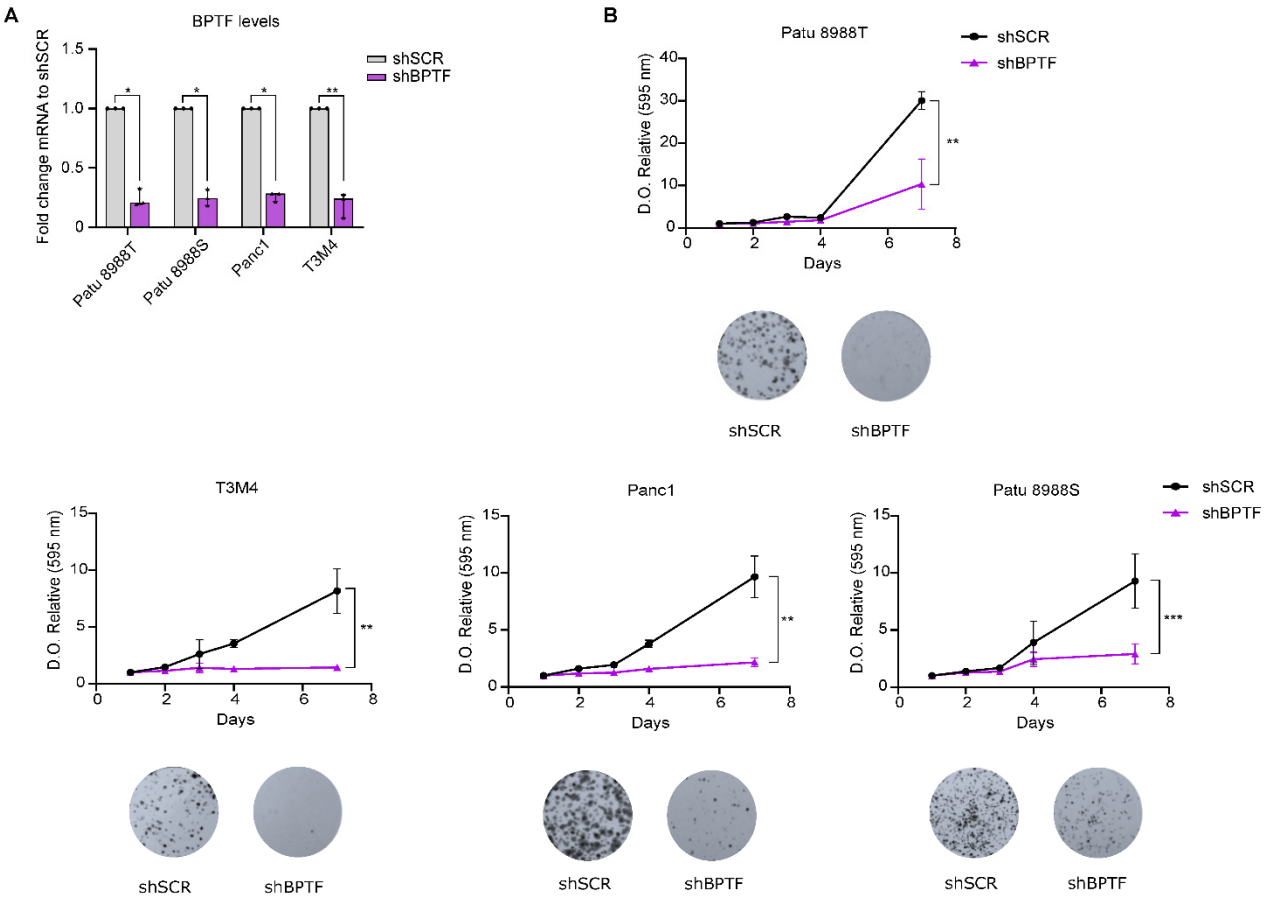
Supplementary Figure S1. BPTF levels in PDA. **(A, B)** qRT-PCR for BPTF in a panel of PDA cell lines compared to HPNE (Human Pancreatic Nestin Expressing cells), n = 3 **(C)** Proliferation assay of 4 PDA cell lines n = 3 **(D)** qRT-PCR for BPTF expression upon silencing with 9 different gRNAs against BPTF compared to non-targeted (gSCR), n = 3.

SUPPLEMENTARY FIGURE 2



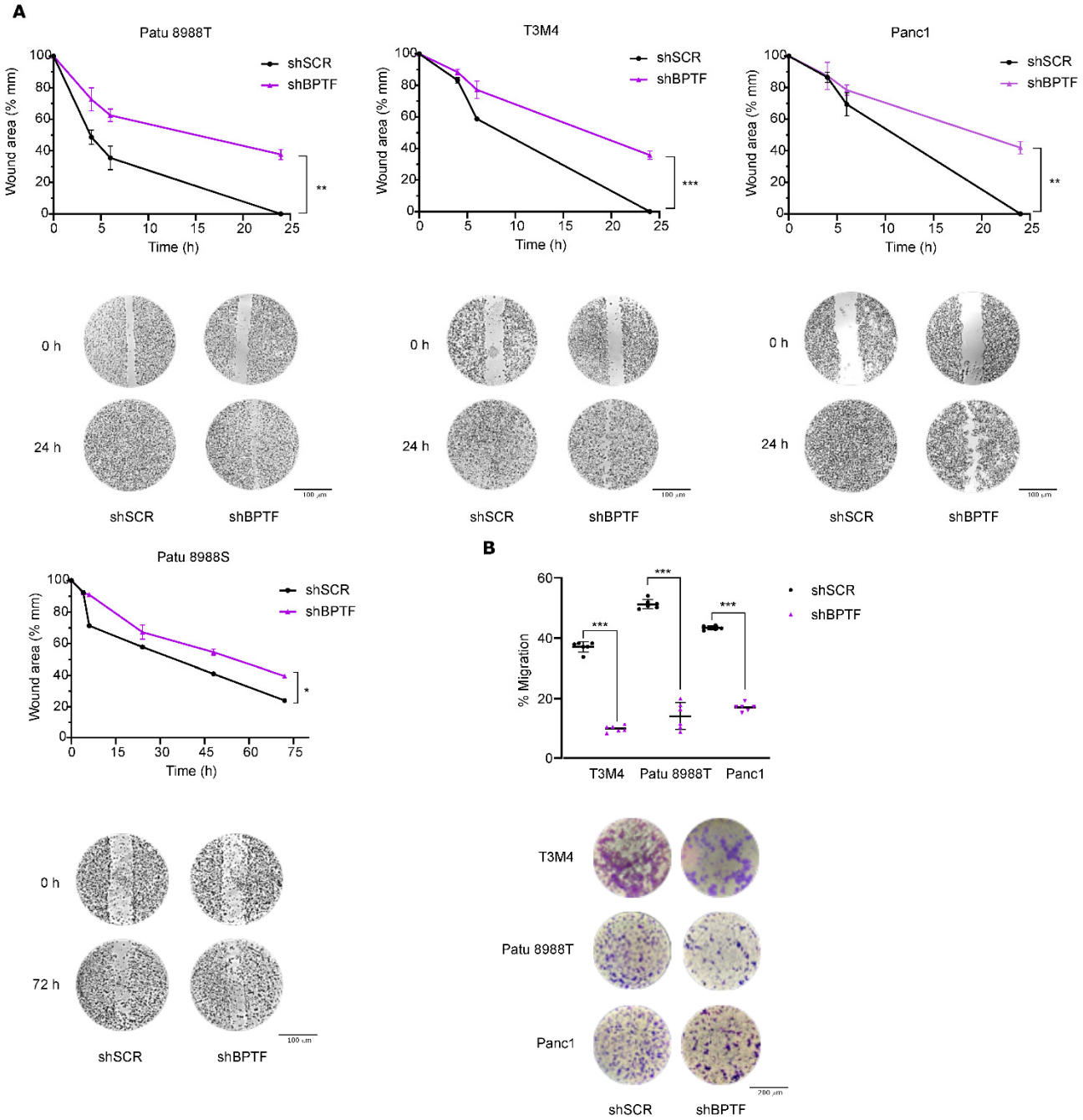
Supplementary Figure S2. BPTF downregulation impairs tumour progression in human cell lines by CRISPRi. **(A)** Analysis of BPTF downregulation (gBPTF #6 and gBPTF #8) by RT-qPCR compared to non-targeted (gSCR) in Patu 8988S and Panc1. n = 3. **(B)** Proliferation and colony assay of BPTF interfered cells compared to non-targeted (gSCR) in Patu 8988S cell line, n = 6. **(C)** Proliferation and colony assay of BPTF interfered cells compared to non-targeted (gSCR) in Panc1 cell line, n = 6. **(D)** Nude mice were subcutaneously implanted with either Patu 8988T cells BPTF-interfered (gBPTF #6 and gBPTF #8) or non-targeted (gSCR), tumors were measured for 24 days, n = 8.

SUPPLEMENTARY FIGURE 3



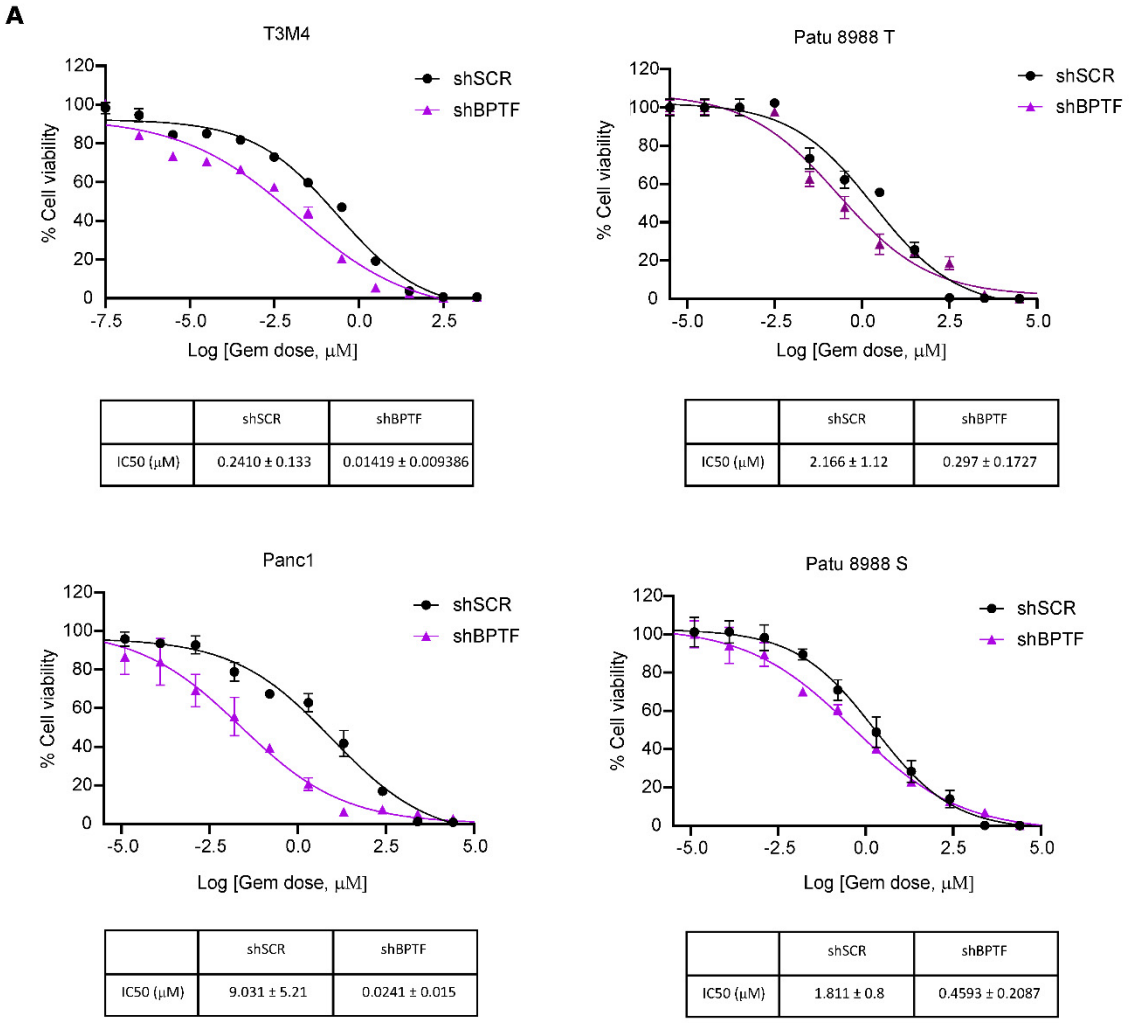
Supplementary Figure S3. BPTF downregulation impairs tumour progression in human cell lines by shRNA. **(A)** Analysis of BPTF downregulation using a specific shRNA, by qRT-PCR compared to non-targeted (shSCR) in a panel of 4 PDA cell lines, n = 3. **(B)** Proliferation and colony assay of shBPTF-interfered cells compared to shSCR in a panel of 4 PDA cell lines, n = 6.

SUPPLEMENTARY FIGURE 4



Supplementary Figure S4. BPTF impairs cells migration in a panel of human PDA by shRNA. **(A)** Wound healing assay of shBPTF-interfered cells compared to shSCR for 4, 6 and 24 h in a panel of human PDA cell lines, n = 3. **(B)** Transwell assay of shBPTF-interfered cells compared to shSCR for 24 h in a panel of human PDA cell lines, n = 6.

SUPPLEMENTARY FIGURE 5



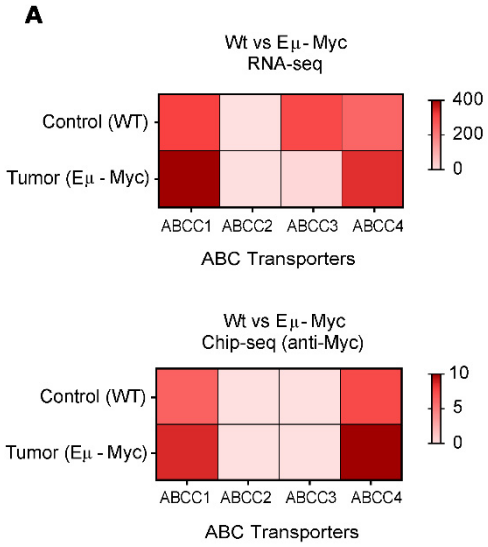
	shSCR	shBPTF
IC50 (μM)	0.2410 ± 0.133	0.01419 ± 0.009386

	shSCR	shBPTF
IC50 (μM)	2.166 ± 1.12	0.297 ± 0.1727

	shSCR	shBPTF
IC50 (μM)	9.031 ± 5.21	0.0241 ± 0.015

	shSCR	shBPTF
IC50 (μM)	1.811 ± 0.8	0.4593 ± 0.2087

Supplementary Figure S5. BPTF silencing by shRNA sensitizes to gemcitabine. **(A)** IC50 analysis and values using ATP-lite in a panel of 4 PDA cell lines either shBPTF interfered or non-targeted (gSCR), n = 3.



Supplementary Figure S6. Expression of ABC-transporters and c-MYC chromatin loading in data obtained from Eμ-Myc mice.