

**The vacuolar-ATPase (V-ATPase) modulates matrix metalloproteinase  
(MMP) isoforms in human pancreatic cancer**

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**Supplementary Table 1.**

Sequences used to inhibit the human V<sub>1</sub>E vATPase:

E(1): 5'-ACTAAGATTATGGAATATA-3'

E(2): 5'-CAGCGATGCTGACGTGCAAAA-3'

Control: shRNA pSupervector (Oligoengine)

**SupplementaryTable 1.** List of primers used to inhibit the V<sub>1</sub>E subunit using shRNA constructs.