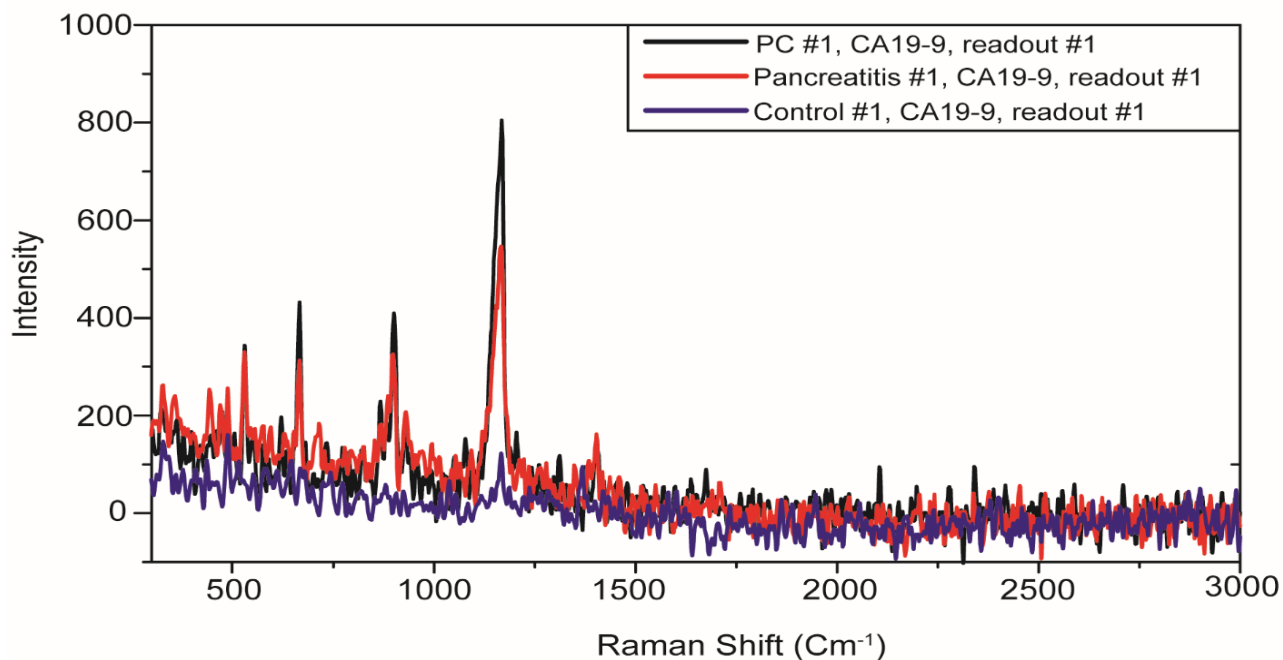


**Supplementary Figure 1:** SERS detection of CA19-9, HE4, Mesothelin, MMP7 and MUC4 in serum of normal, PC, ovarian cancer and pancreatitis samples (total of 20 sera samples). The antigen concentration was quantified using ( $\nu_s(\text{NO}_2$ ) of 4-NBT intensity at the  $1336\text{ cm}^{-1}$  position averaged over five readouts on each address. For reproducibility, three addresses were measured for each concentration. Error bars show the standard deviation.



**Supplementary Figure 2.** First readouts of SERS spectra for detection of CA19-9 in PC#1, Pancreatitis#1 and Control#1.