

Fig 1S Protein expression of four hub genes by immunohistochemistry Protein expression levels of IL-6, GNAO1, SYP and POMC in normal parathyroid tissue (**A**, **C**, **E**, **G**) and PHPT parathyroid tissue (**B**, **D**, **F**, **H**). Five normal parathyroid tissues (**N11-N15**) and 10 parathyroid adenomas (**P13-P22**) were chosen for this experiment.