



**Figure S2: Kernel density estimation (KDE) plots of Ti-in-biotite temperatures calculated from laser ablation inductively coupled plasma mass spectrometer data. The data that define the blue dashed lines were calculated assuming  $\text{SiO}_2$  weight percent (wt. %) = 35, whereas those that comprise the red dashed line were calculated with  $\text{SiO}_2$  wt. % = 40 (HS = high silica). The peaks of each KDE are as marked.**