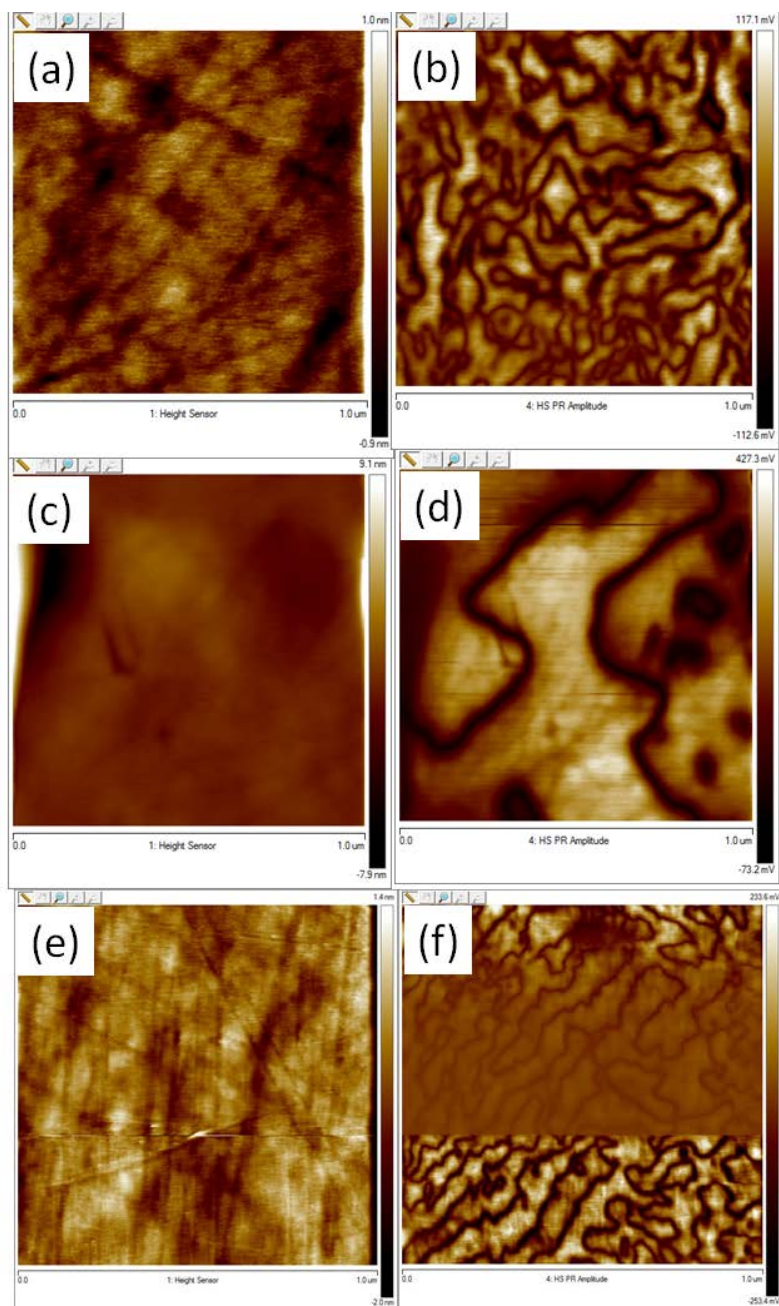


**Supplementary data:**



**Figure S-1** (a)-(b), (c)-(d) and (e)- (f) Height and amplitude PFM images corresponding to the phase image showing domain structure in figure 6(e), inset of figure 6(e), and figure 6(f), respectively.