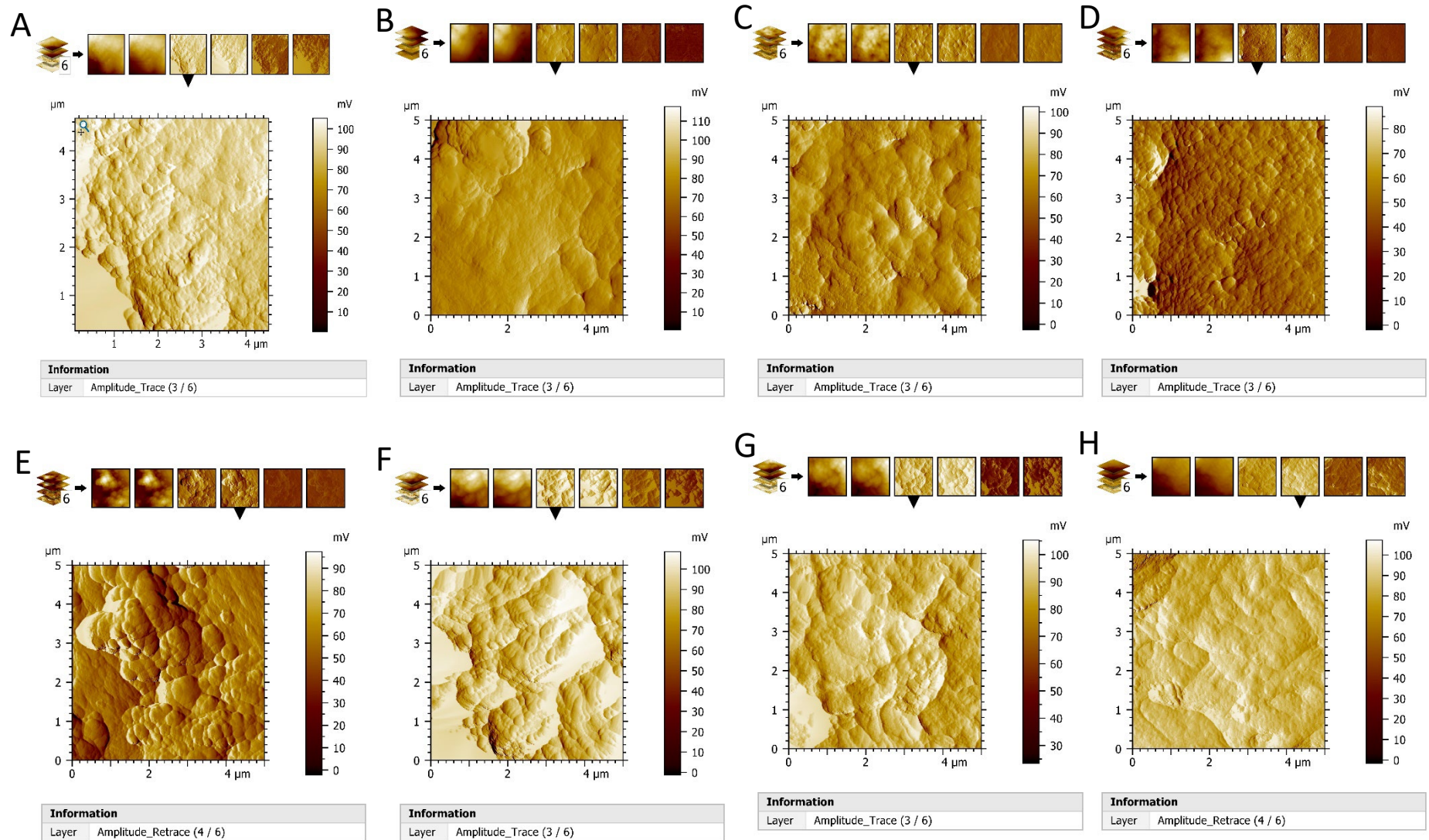


Supplementary Figure 1. AFM amplitude images of day 0 egg shell surface treated with (A) CON, (B) CAY, (C) CAO, (D) CUM, (E) LIN, (F) COMB1, (G) COMB2, (H) COMB3



Supplementary Figure 2. AFM amplitude images of day 7 egg shell surface treated with (A) CON, (B) CAY, (C) CAO, (D) CUM, (E) LIN, (F) COMB1, (G) COMB2, (H) COMB3

