

SUPPORTING INFORMATION

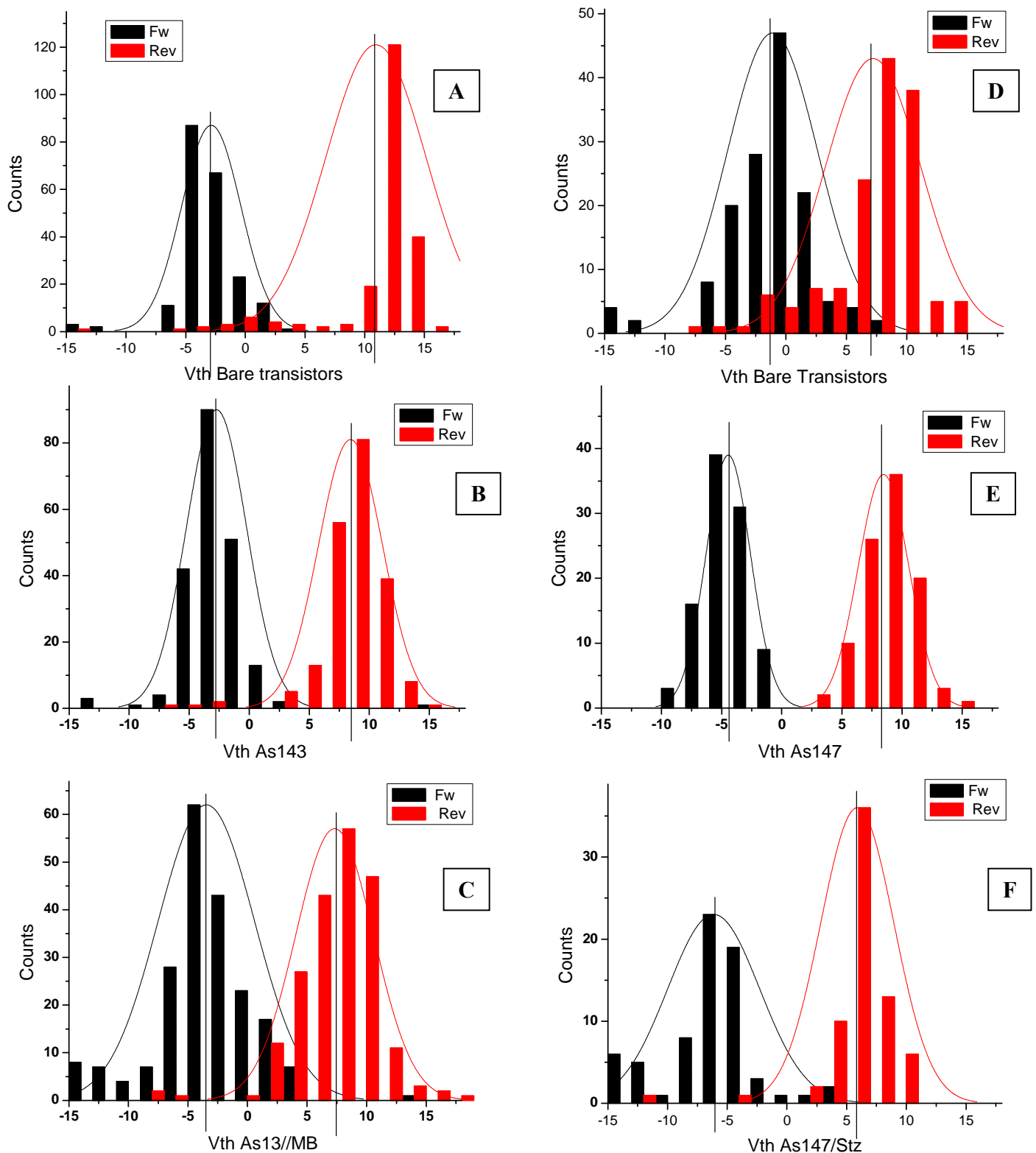


Figure 1. Histograms corresponding to the V_{th} distribution of the devices in the absence of polymer. On the left the histograms of the V_{th} distribution corresponding to the detection of MB; A, bare devices; B, after bonding the antibody As 143; C, after bonding the MB. On the right the histograms of the V_{th} distribution corresponding to the detection of Stz. D, bare transistors; E, after bonding the antibody As 147 and F, after bonding the Stz.

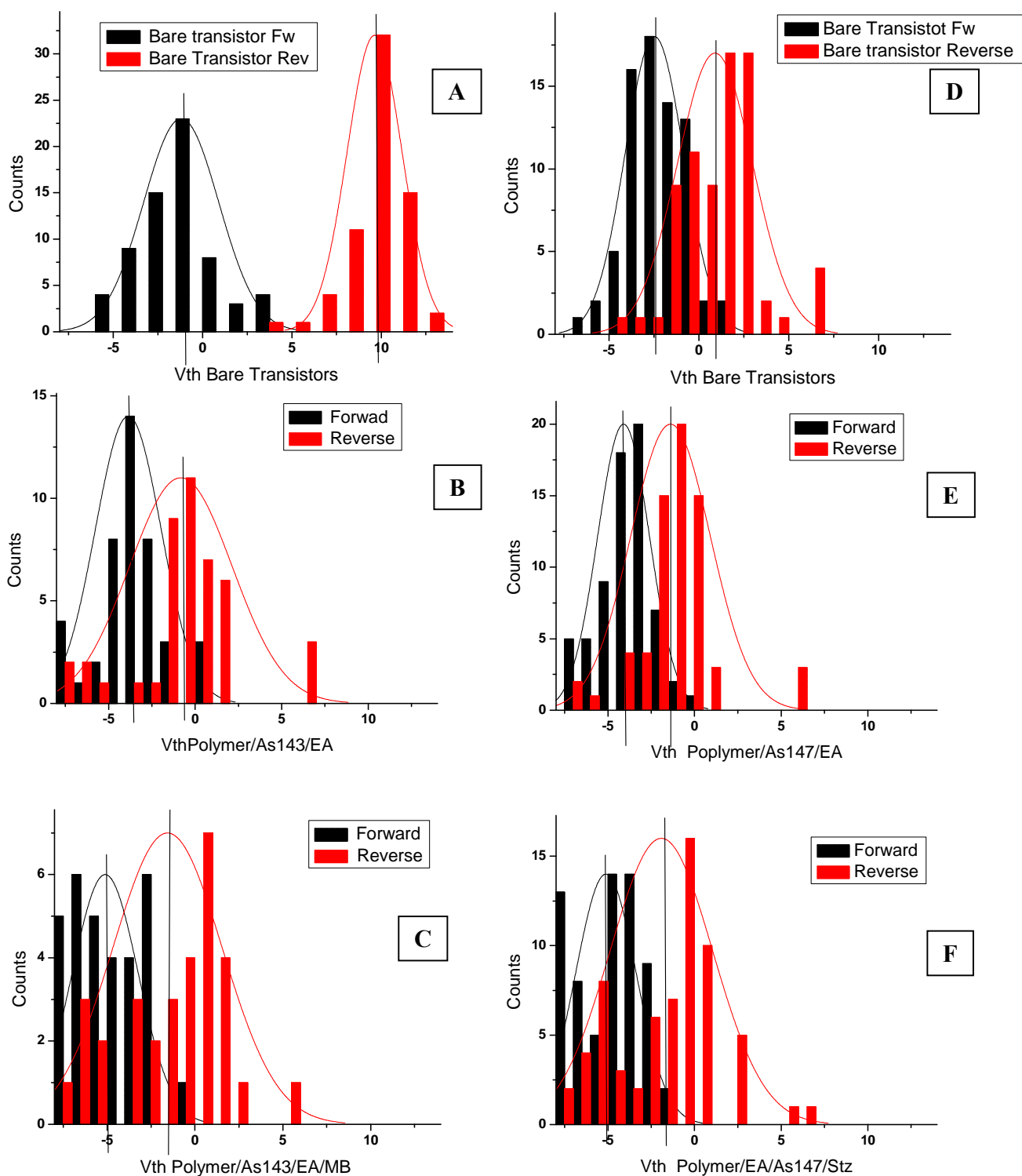


Figure 2. Histograms corresponding to the V_{th} distribution of the devices in the presence of polymer. On the left the histograms corresponding to the detection of MB; A, bare devices; B, after bonding the antibody As 143 to the polymer and blocking it with EA; C, after bonding MB. On the right, the histograms of V_{th} distribution corresponding to the detection of Stz. A, bare transistors; B, after bonding the antibody As 147 and blocking it with EA; F, after bonding the Stz.

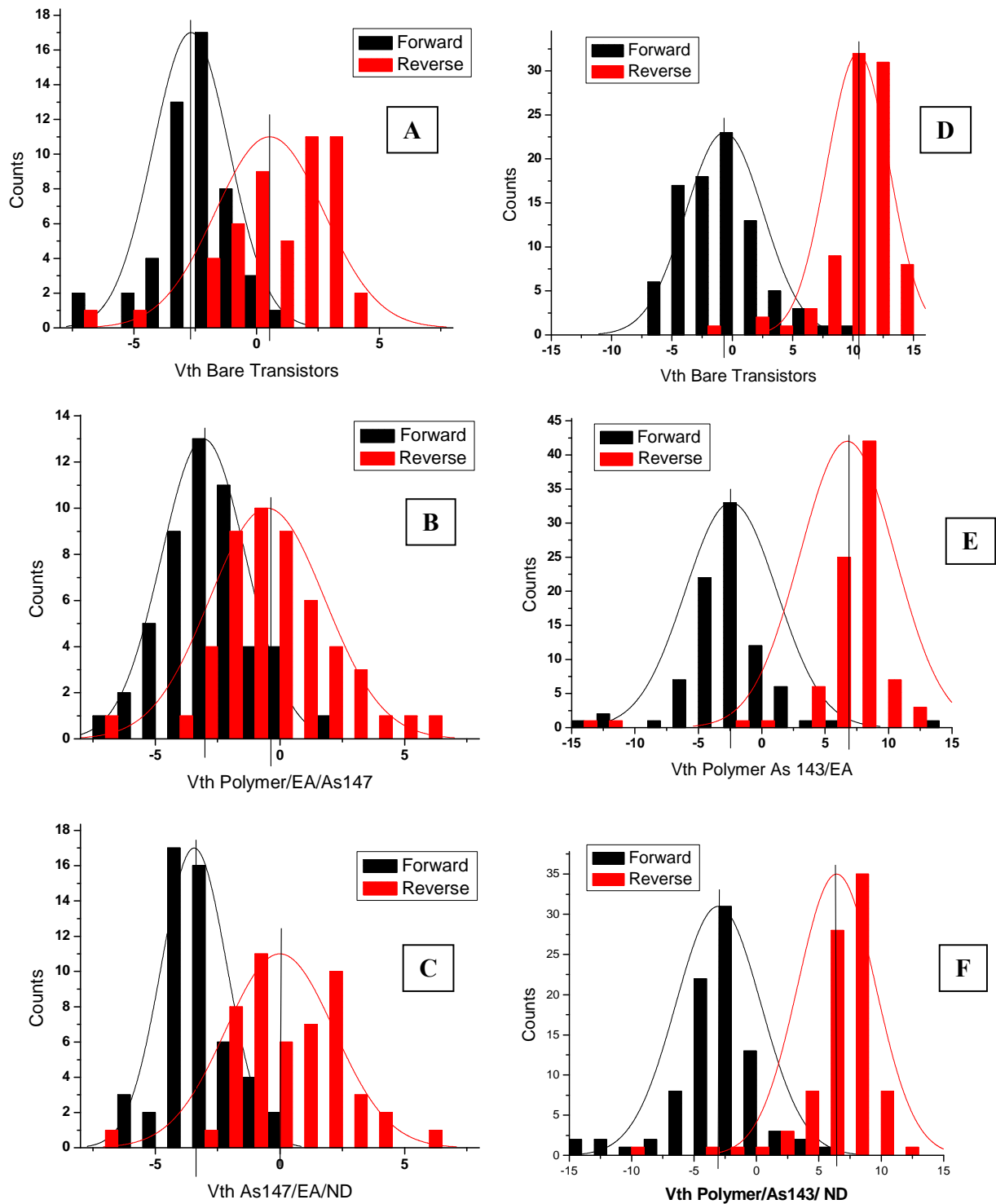


Figure 3.- Histograms of the V_{th} distribution corresponding to the control experiments of NT on devices containing As147; A, bare devices; B after bonding the antibody As 147 to the polymer; C, after adding ND. On the right histograms corresponding to the V_{th} distribution of the control experiment containing As 143. D, bare transistors; E, after bonding the antibody As 143 to the polymer; F, after adding ND.