



**Figure 10.** Figure with plots of facies distribution for the outcrop of the Storrs Ksp010 in the (A) Wasatch Plateau and (B) Kenilworth 4 in the Book Cliffs. Cumulative length of intra-shoreface shales per 100 m of outcrop (blue lines), average length of intra-shoreface shales within 100 m (328 ft) sections of outcrop (green curve), and number of intra-shoreface shales within each bin (red circles) is plotted for (C) Ksp010 and (D) K4, respectively. See Figure 6 for a schematic illustration for how this is calculated. Location of each shale in the studied data set, depth to base of shoreface, and depth to the top of the underlying parasequence are plotted in (E) Ksp010 and (F) K4, respectively.