



Supplementary Fig. 2. Sanger sequencing results in CCA-3 primary tumor and corresponding xenograft tumor. Primary tumor and xenograft tumor conducted Sanger sequencing for *ERBB2* (c.C1480A), *CDH1* (c.879delT) and *ESR1* (c.G128A) mutations. Primary tumors harbored somatic mutations (A, C, E), whereas xenograft tumors were showed wildtype (B, D, F).