



**S4 Fig.** Pedigrees of patients with familial cancer histories. (A) Pedigree of case 5 and case 6 family. Cases 5 and 6 are siblings and both have *BRCA1* p.Leu1780Pro. Case 5 is the first-born of three daughters and one son and was diagnosed with breast cancer at age 35 and again at age 45. Case 6 is the third daughter, and was diagnosed with breast cancer at age 38. The second daughter did not carry the *BRCA1* p.Leu1780Pro variant and was free of any malignancy until she was 43 years old. (B) Pedigree of case 7 family. (C) Pedigree of case 9 family. (D) Pedigree of case 11 family.