



**FigureS1.** Intrahepatic recurrence-free survival curves of grouped intrahepatic cholangiocarci-noma patients based on the (A) AFP, (B) PIVKA-II, (C) CEA, (D) CA19-9, (E) AFP+PIVKA-II, (F) AFP+CEA, (G) AFP+CA19-9, (H) PIVKA-II+CEA, (I) PIVKA-II+-CA19-9, (J) CEA+CA19-9, (K) pos-itive numbers of liver tumor marker.