**S5 Fig.** (A) Intralesional recurrent genes that occurred within the same type of lesion in more than one patient. (B) Intrapatient recurrent mutations that occurred in more than three lesions in P1 and in one lesion in P5 and P8. (C) Interpatient recurrent genes that occurred in more than one patient. (D) Insertion and deletion (indel). AAH, atypical adenomatous hyperplasia; ADC, adenocarcinoma; AIS, adenocarcinoma *in situ*; MIA, minimally invasive adenocarcinoma; VAF, variant allele frequency.