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D A, (*11*, *20*).

(*25*, *27*).

> 10% > 99%. 41

(3)

39

(3). E 39

(3).

C EEK 1,005

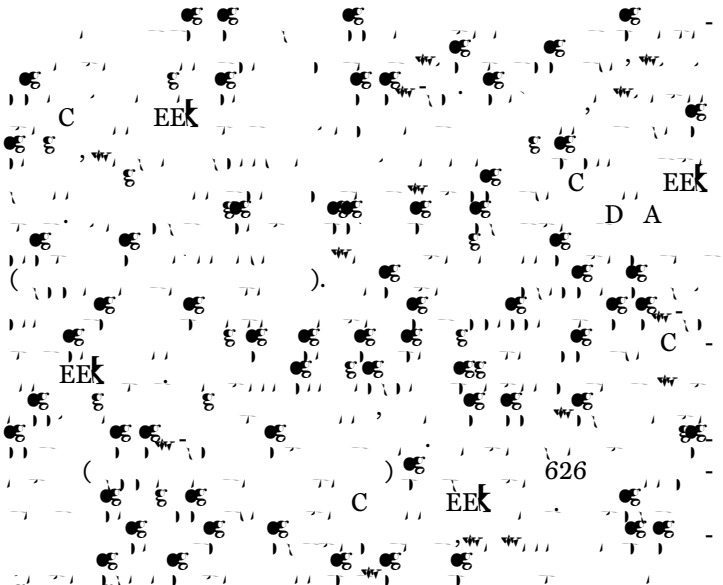
64 (22 93).

4.

C C (A CC) , 49%

(20%) (31%) .

11. 812



83% (. 3, 7.4 ( )-7.4 ( )-4.9 ( )-13.6 ( )-13.60.3 ( )- 8(0.00301 (0.312.108(8 (90401601 301 0

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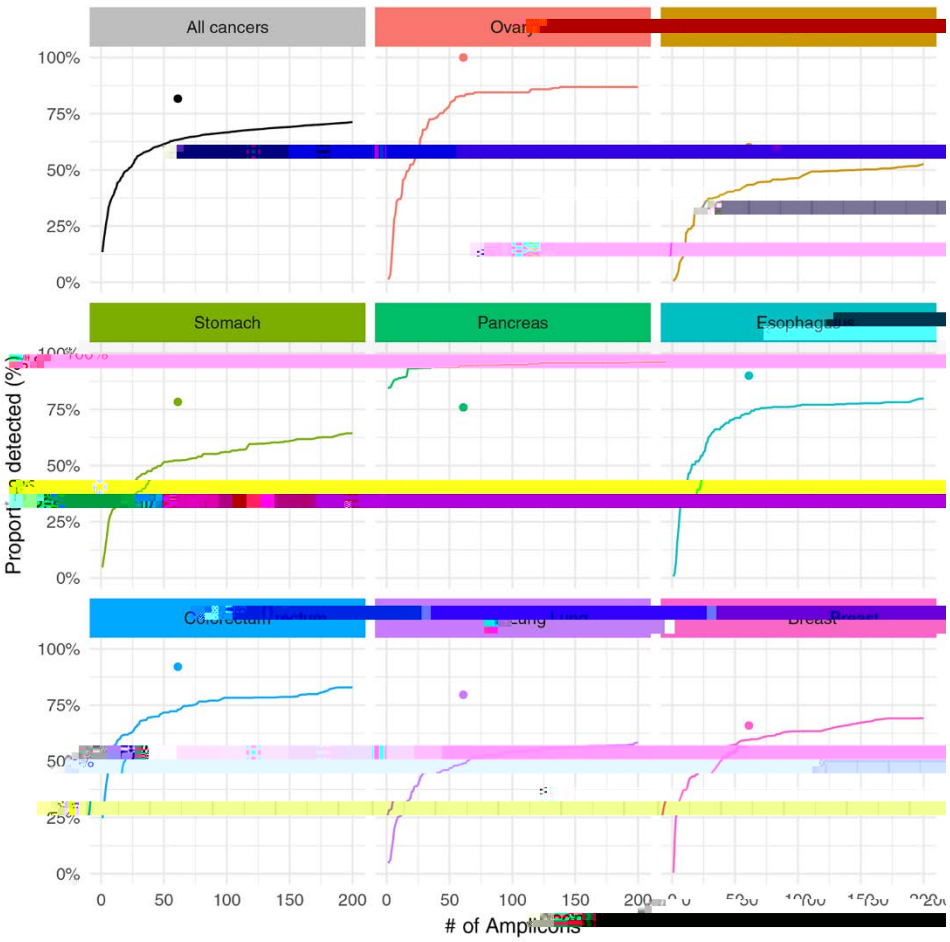


Fig. 1. Development of a PCR-based assay to identify tumor-specific mutations in plasma samples. Colored curves indicate the proportion of cancers of the eight types evaluated in this study that can be detected with an increasing number of short (< 40 bp) amplicons. The sensitivity of detection increases with the number of amplicons but plateaus at ~ 60 amplicons. Colored dots indicate the fraction of cancers detected using the 61-amplicon panel used in 805 cancers evaluated in our study, which averaged 82% (see main text). Publicly available sequencing data were obtained from the Catalog of Somatic Mutations in Cancer (COSMIC) repository.

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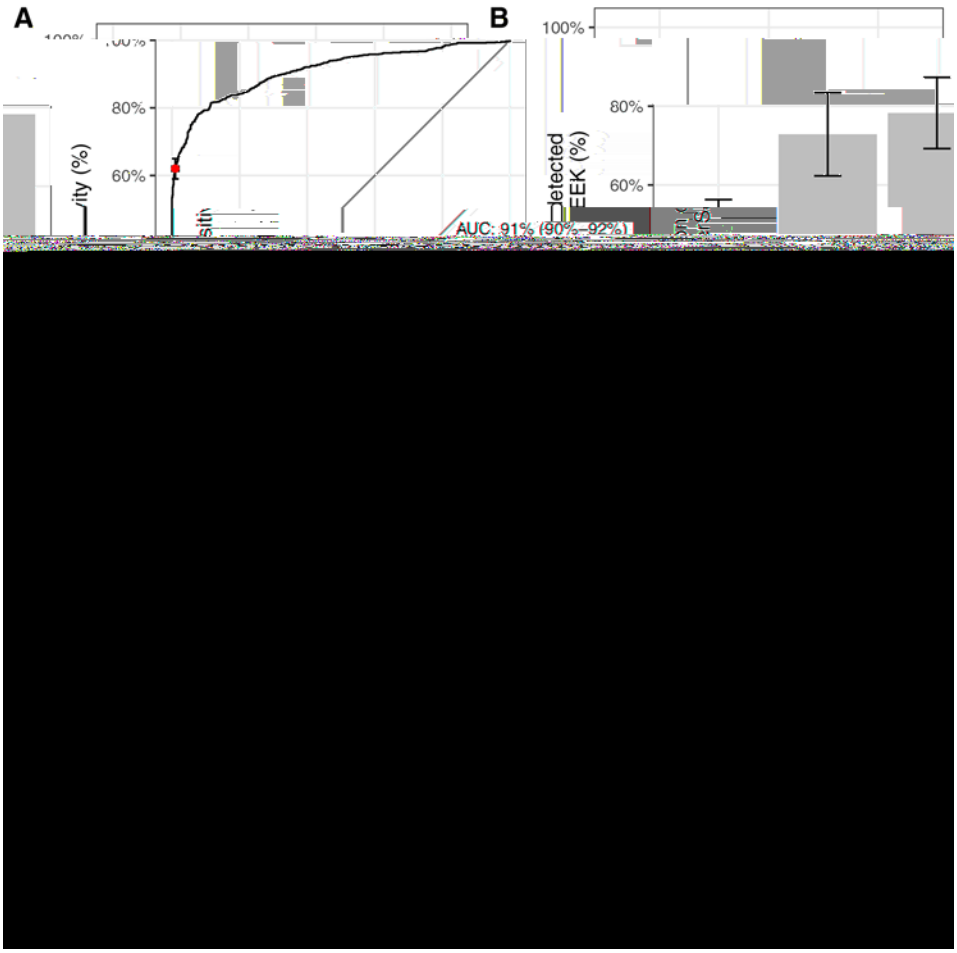


Fig. 2. Performance of CancerSEEK. (**A**) Receiver operator characteristic (ROC) curve for CancerSEEK. The red point on the curve indicate the test's average performance (62%)

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Detection and localization of surgically resectable cancers with a multi-analyte blood test

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