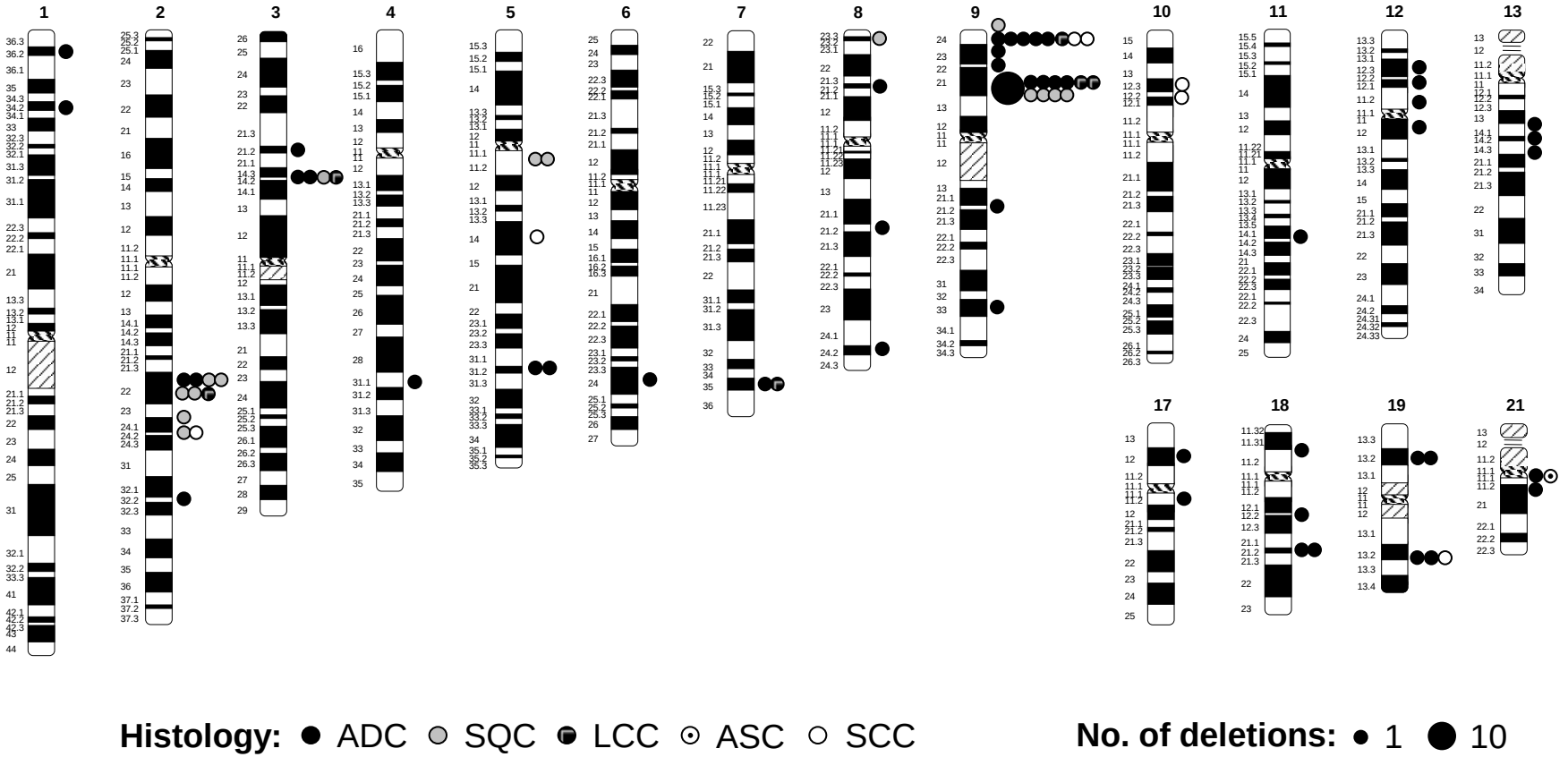
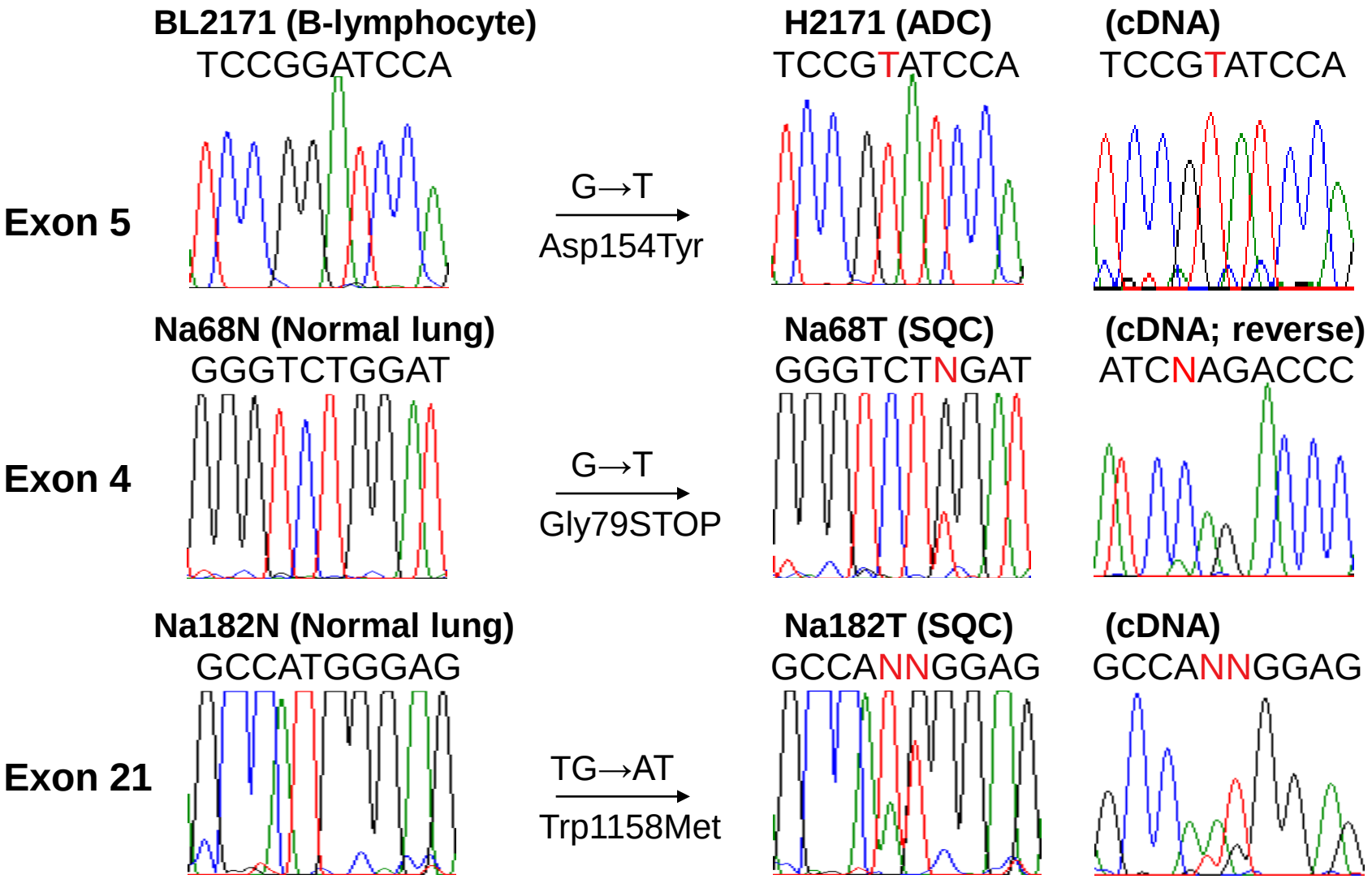
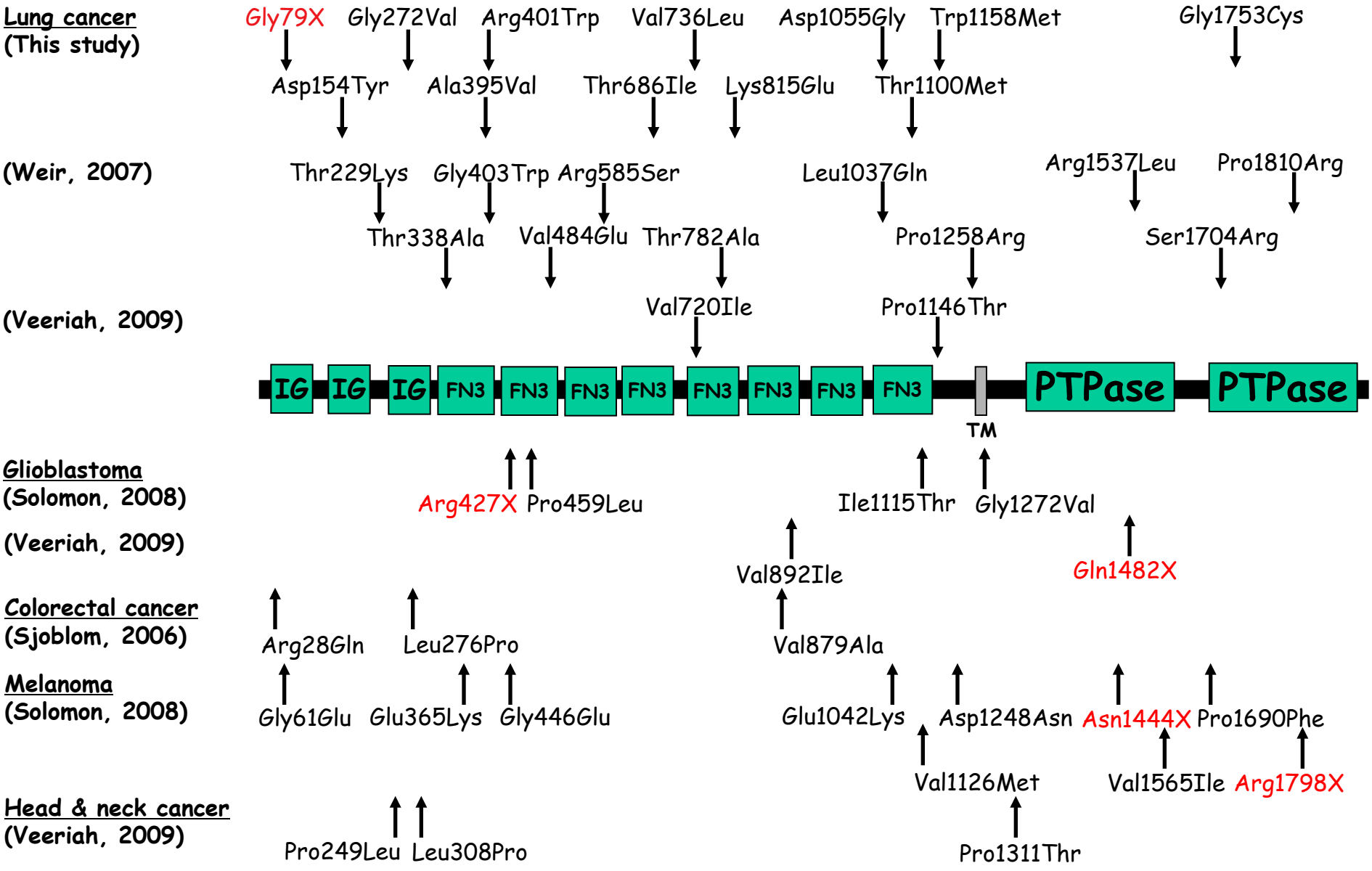


Supplementary Fig. 1. Chromosomal distribution of 45 regions of homozygous deletions.

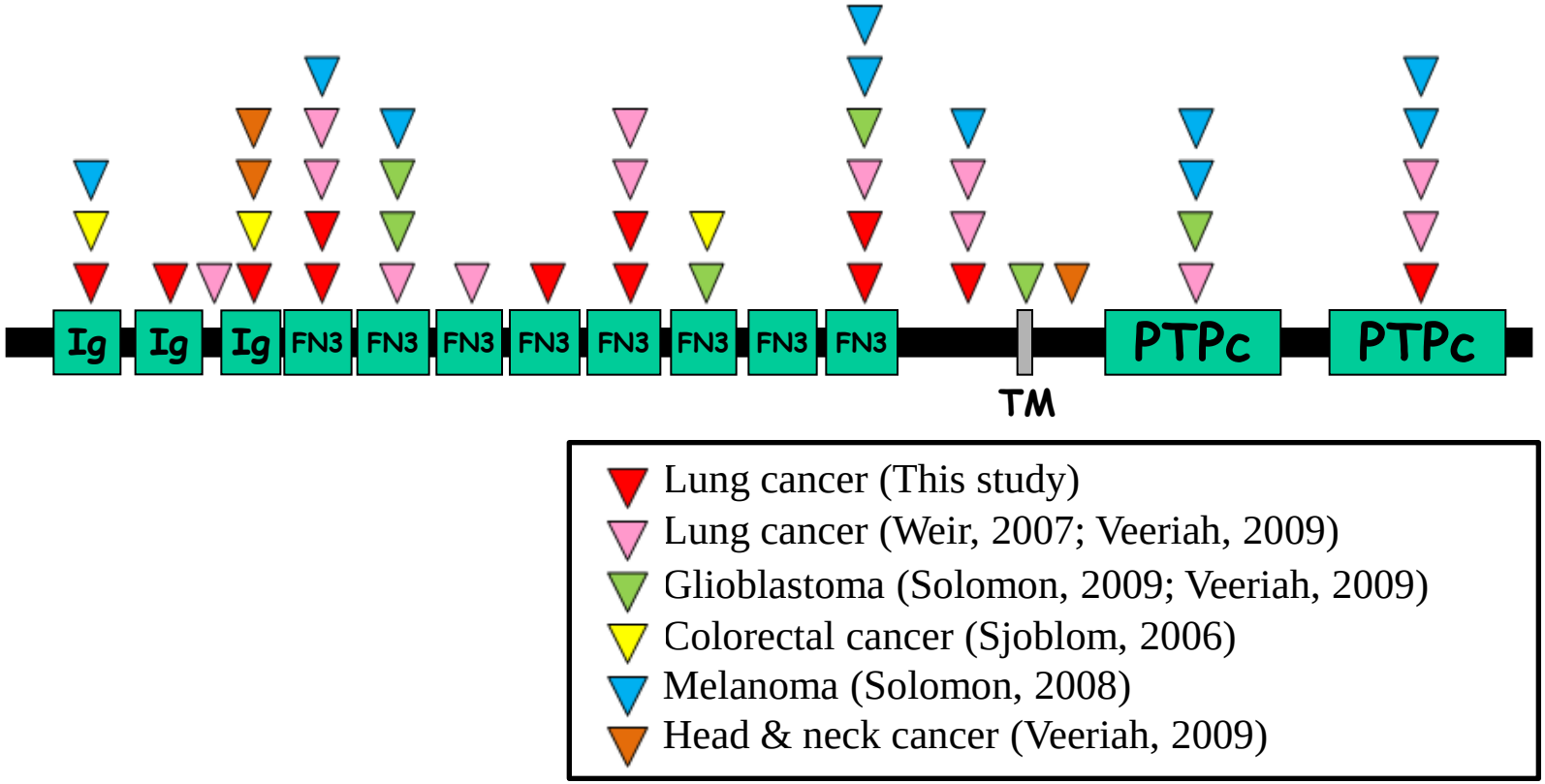
Homozygous deletions in each histological type of lung cancer are indicated by dots.



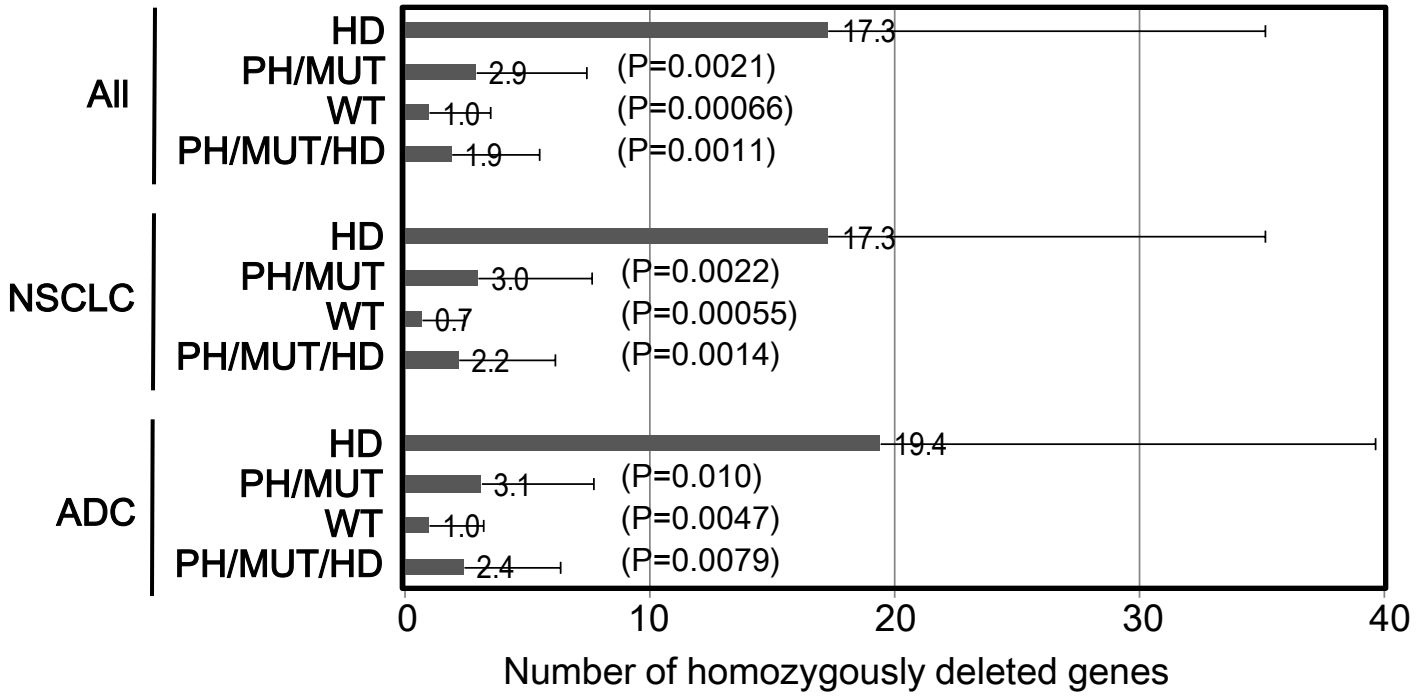
Supplementary Fig. 2A Mutations of the *PTPRD* gene in human lung cancer.
Electrophoregrams for DNA of non-cancerous (left) and cancerous (middle) lung cells and cDNAs (right) from cancerous lung cells of three cases are shown.



Supplementary Fig. 2B Missense and nonsense mutations in the *PTPRD* gene in human cancers.
IG: immunoglobulin domain, FN3: fibronectin-like 3 domain, TM: transmembrane domain, PTPase: phosphatase domain. Nonsense mutations are in RED.



Supplementary Fig. 2C Missense and nonsense mutations in the *PTPRD* gene in human cancers according to domains. Ig: immunoglobulin-like C2-type domain, FN3: fibronectin type III domain, TM: transmembrane domain, PTPc: protein tyrosine phosphatase catalytic domain.



Supplementary Fig. 3 Number of homozygously deleted genes in lung cancer cell lines according to *CDKN2A/p16* alterations. HD: homozygous deletion, PH: promoter hypermethylation, MUT: mutation, WT: wild type. P values by *t*-test against cases with homozygous *CDKN2A/p16* deletions are shown.