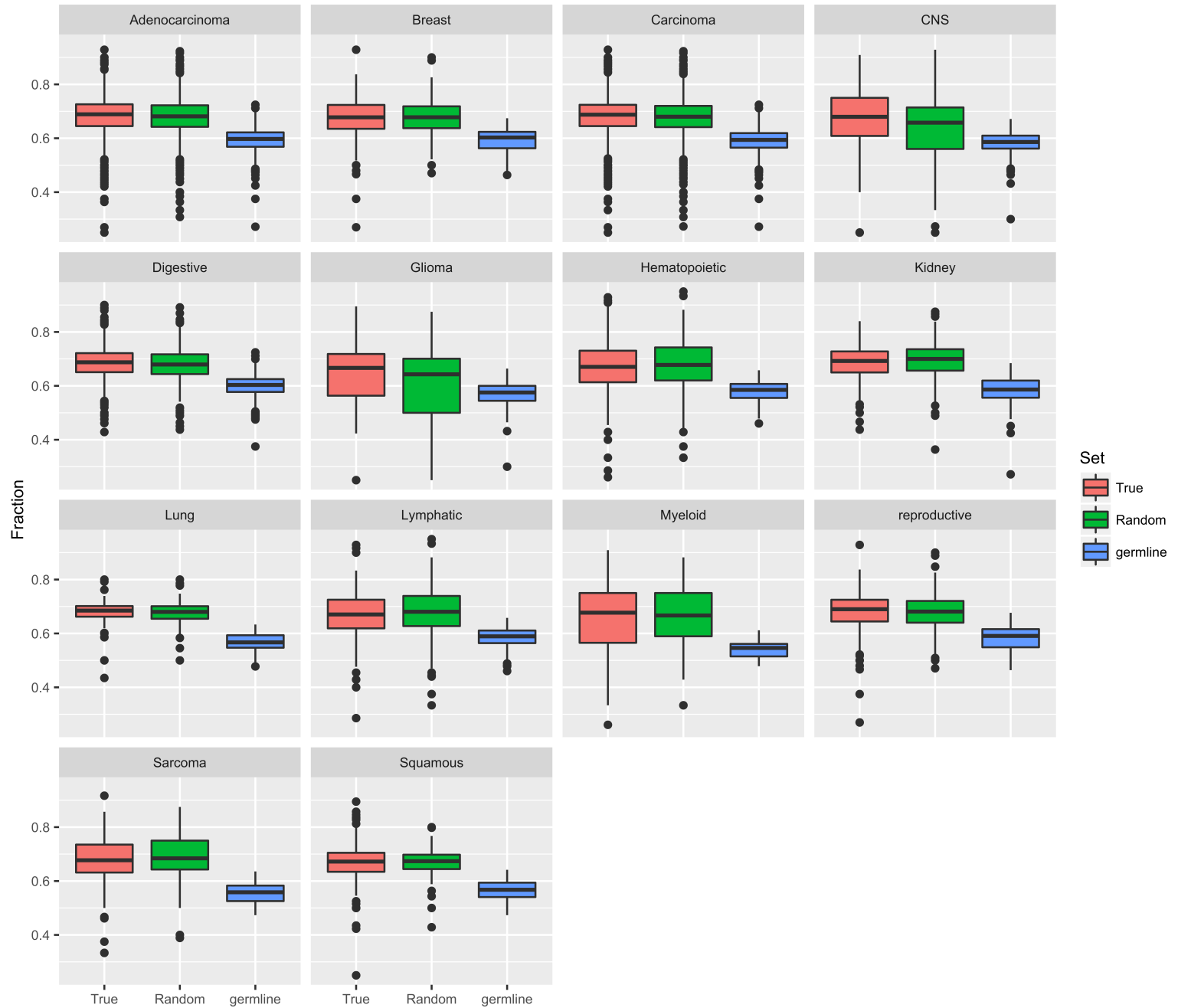


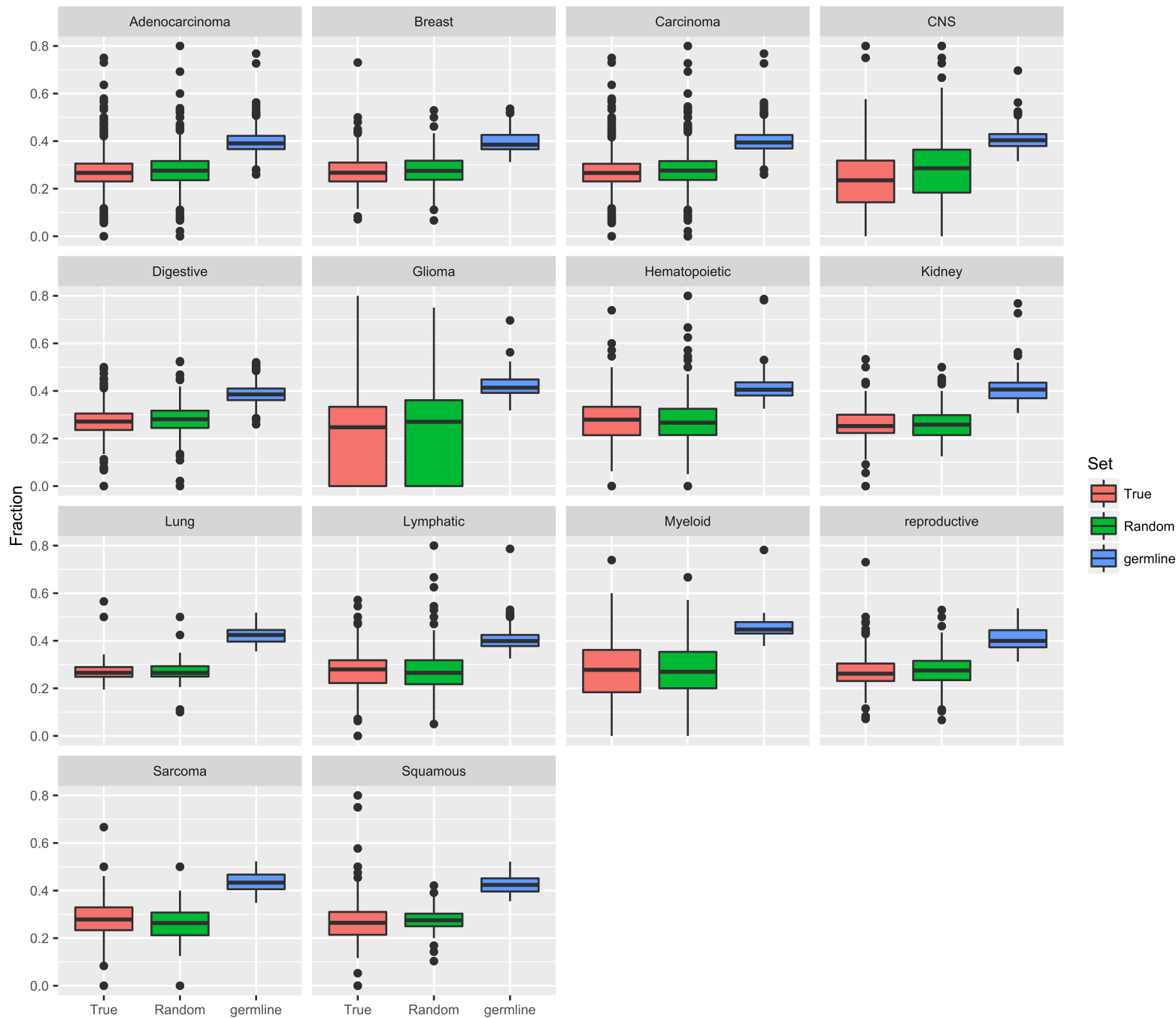
Germline analysis – paper E

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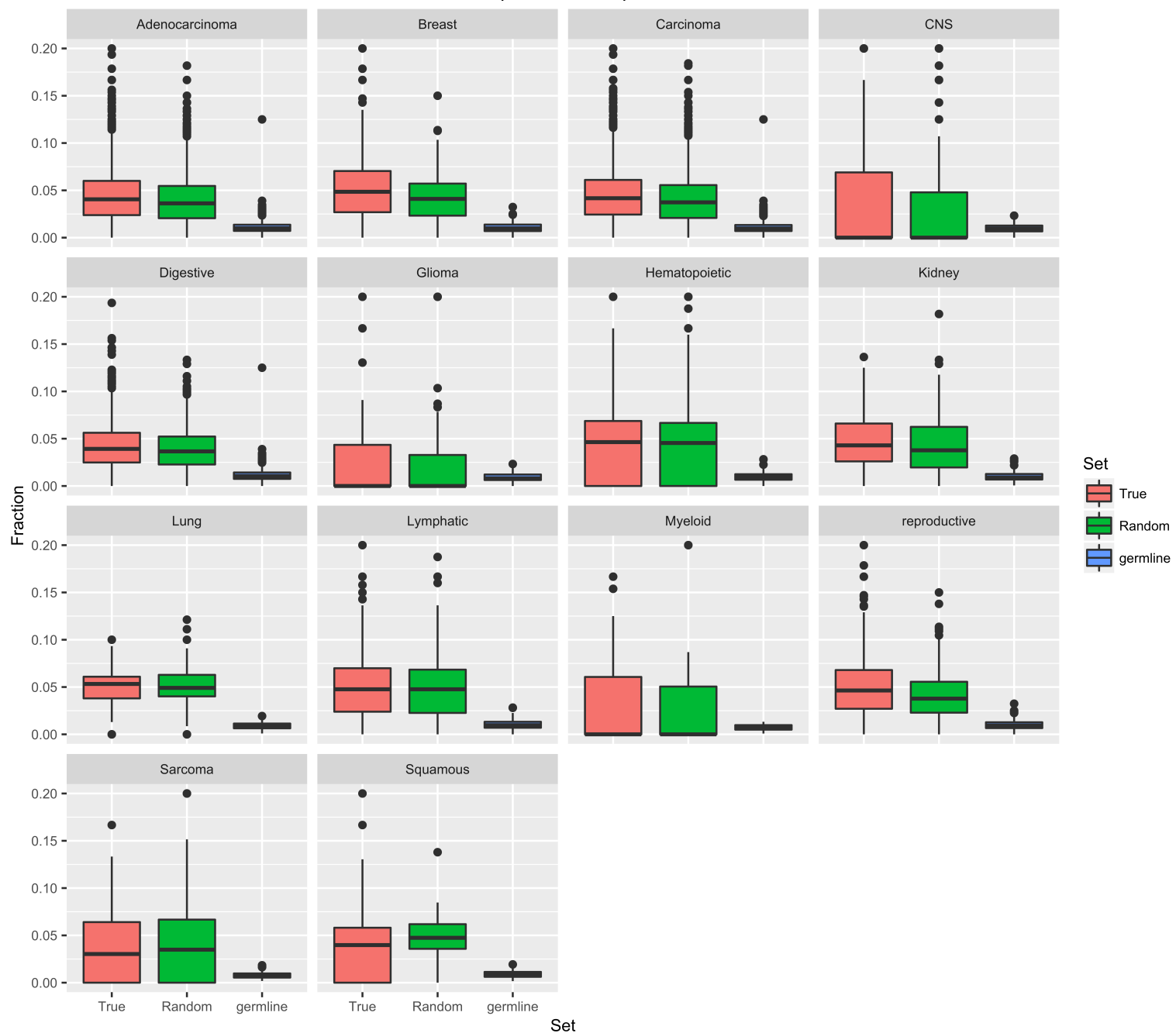
Fraction of nonsynonymous mutations



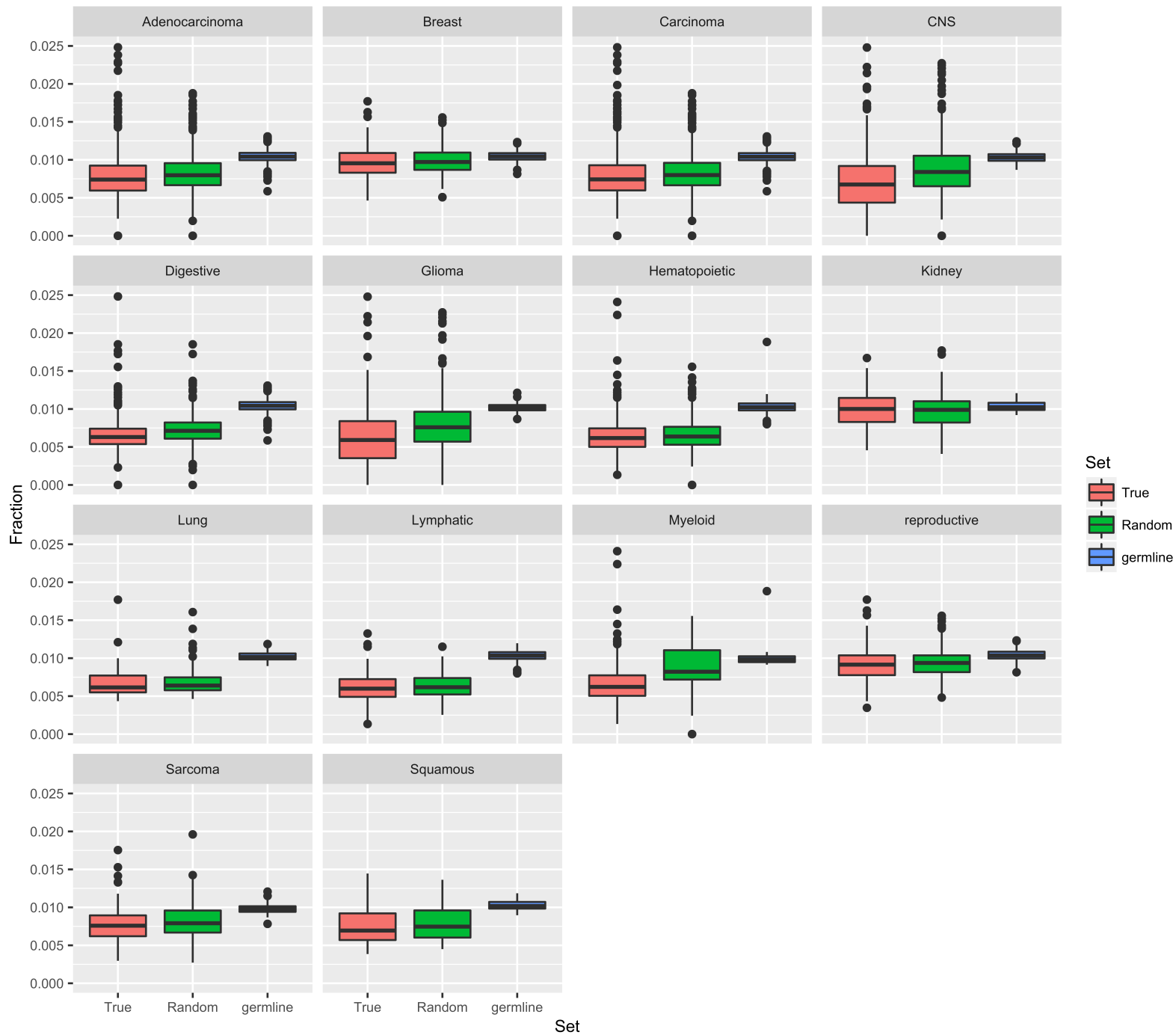
Fraction of synonymous mutations



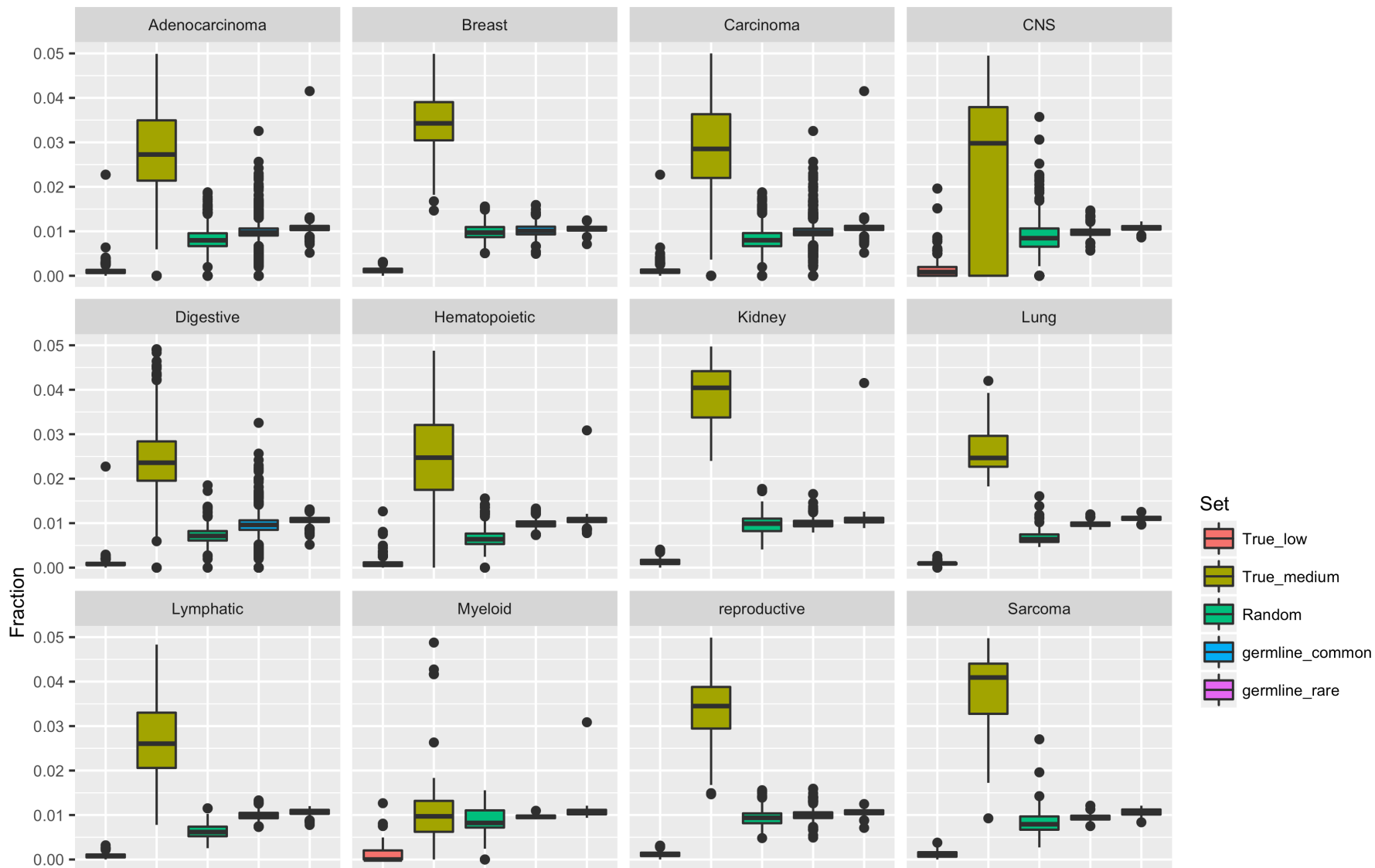
Fraction of prematureStop mutations



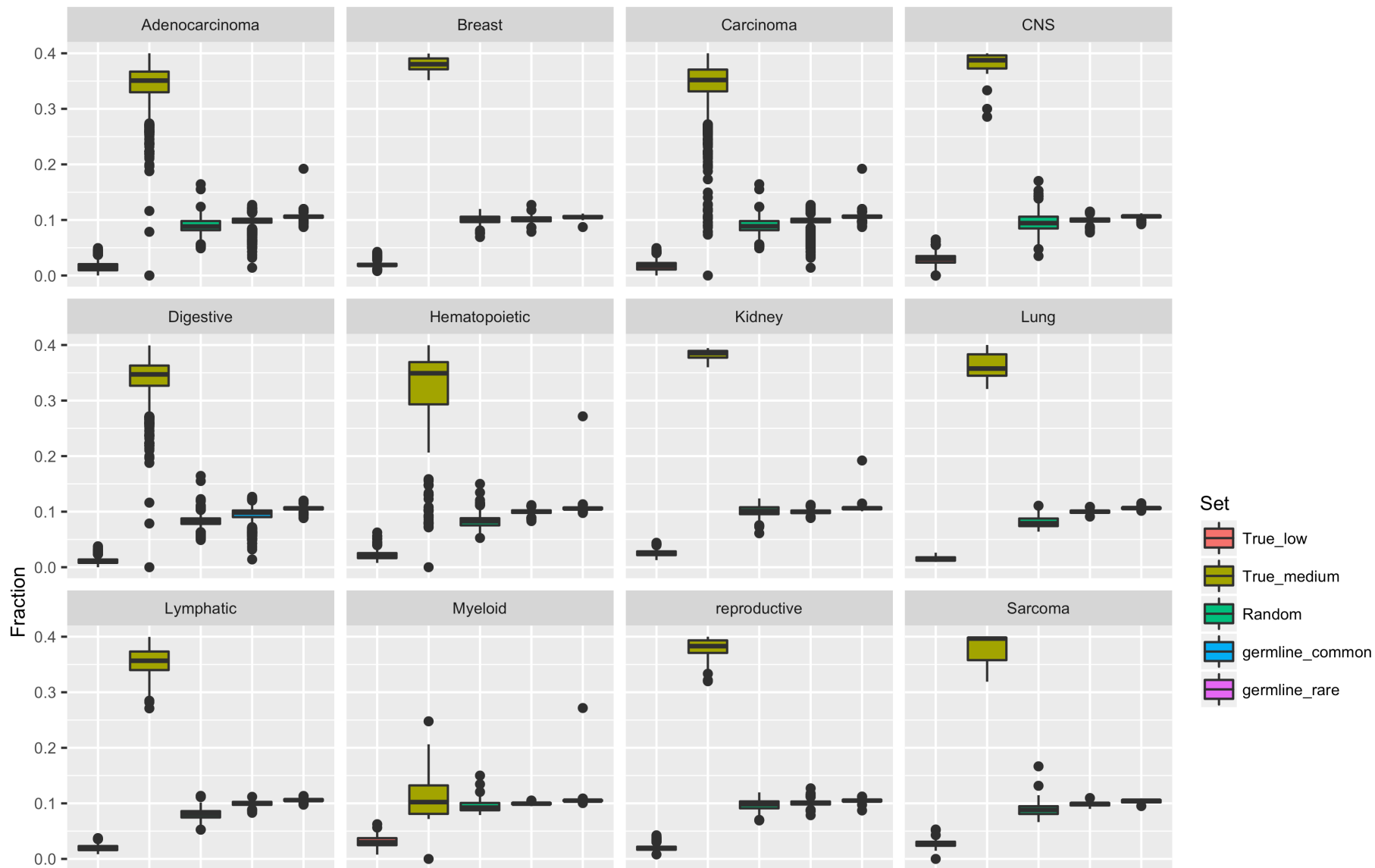
Fraction of promoter mutations



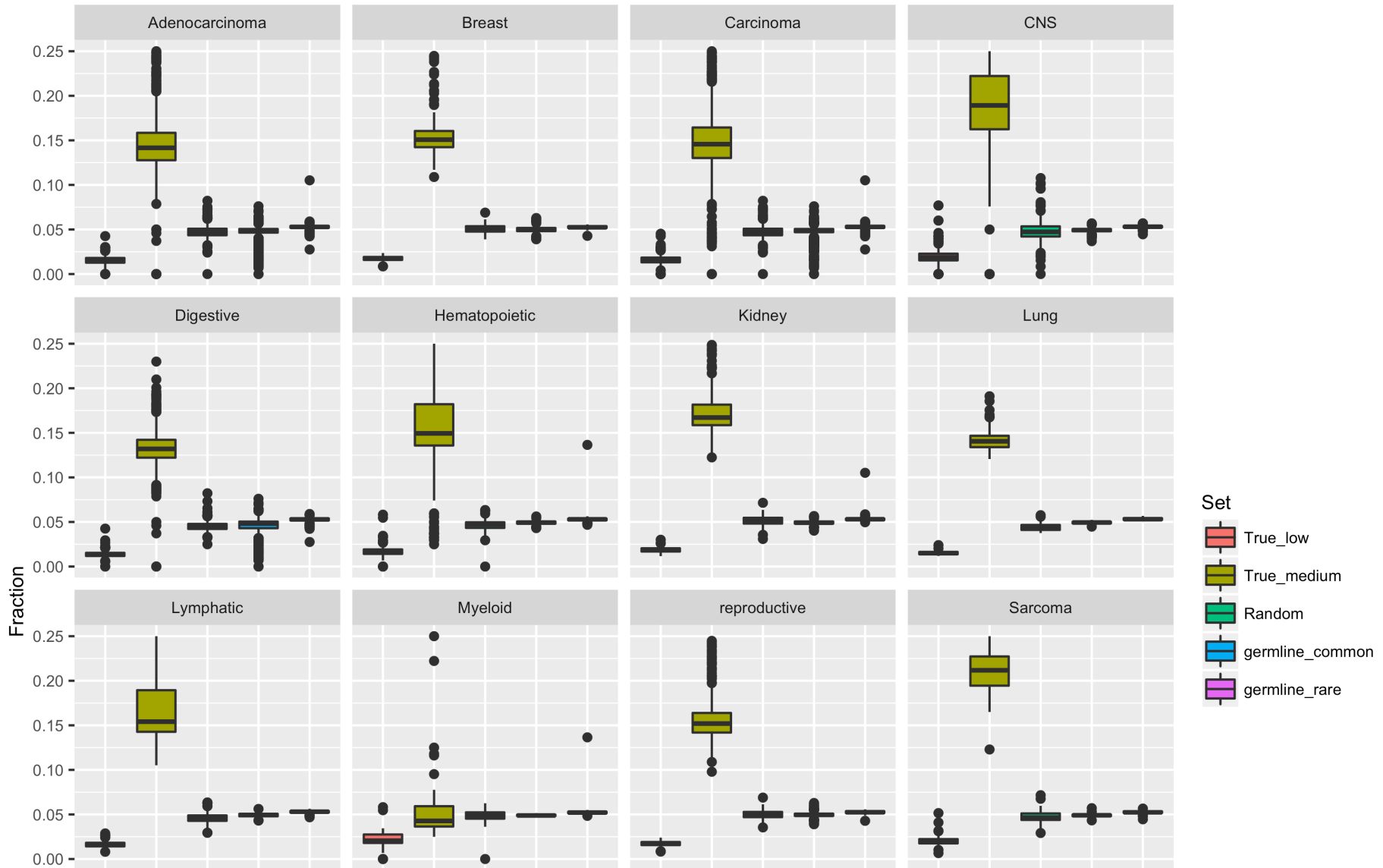
Fraction of promoter mutations



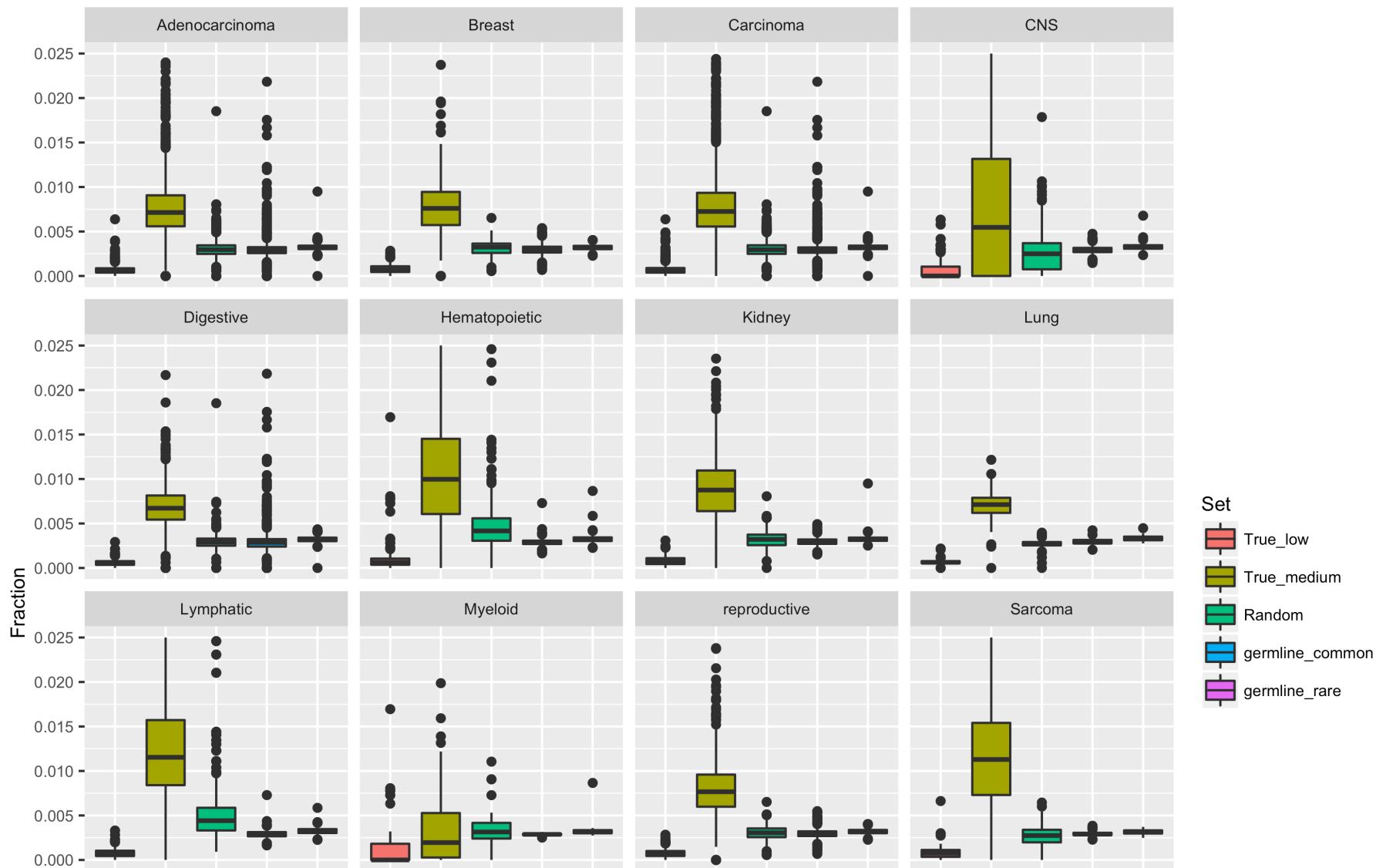
Fraction of enhancer mutations



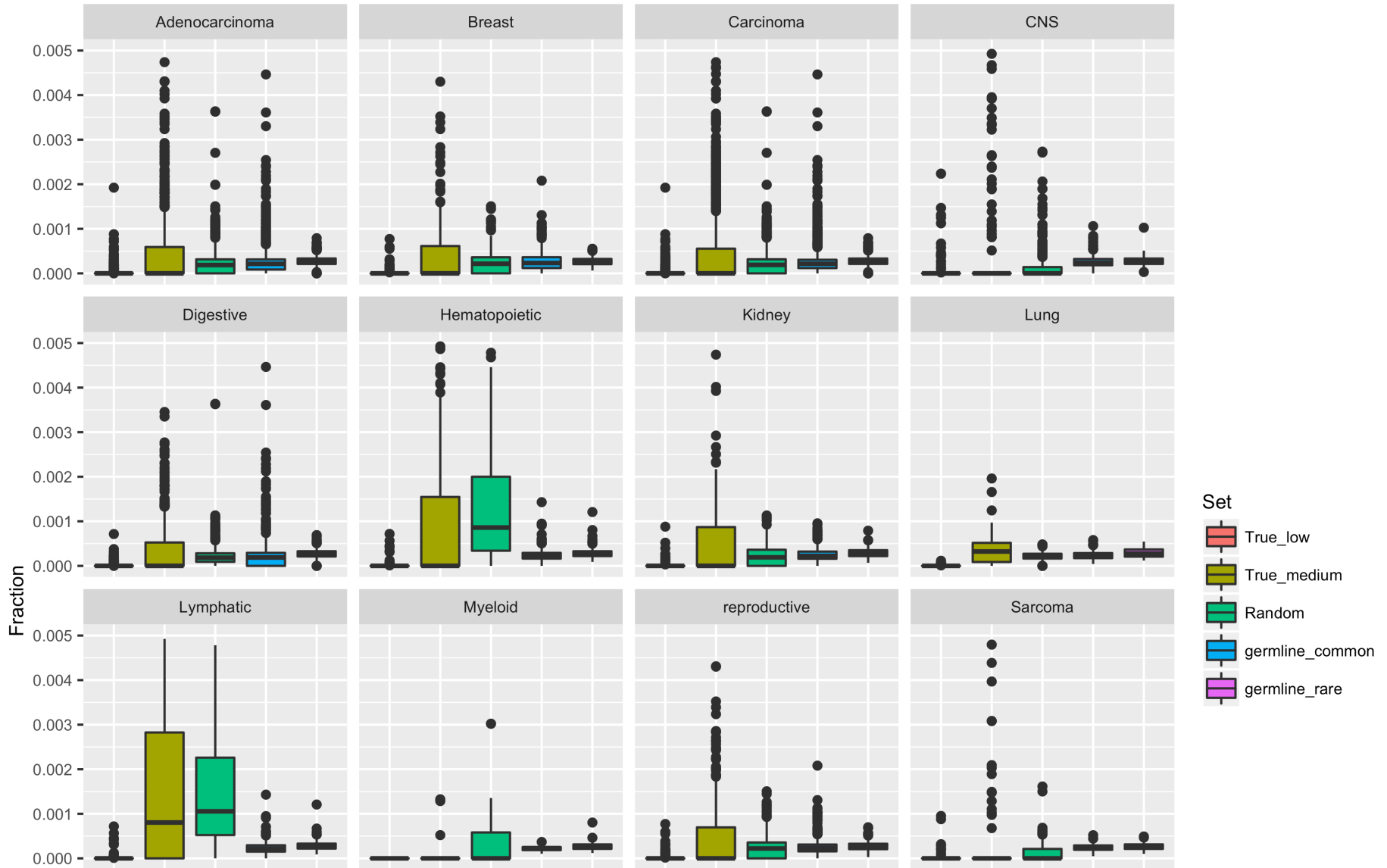
Fraction of TFM mutations



Fraction of sensitive mutations



Fraction of ultrasensitive mutations

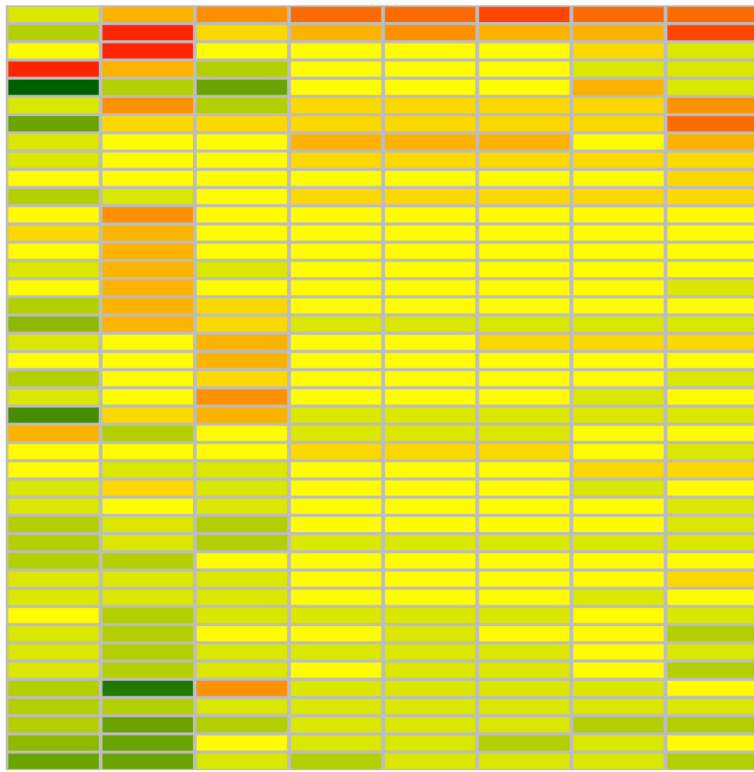




Motif Break with germline as background



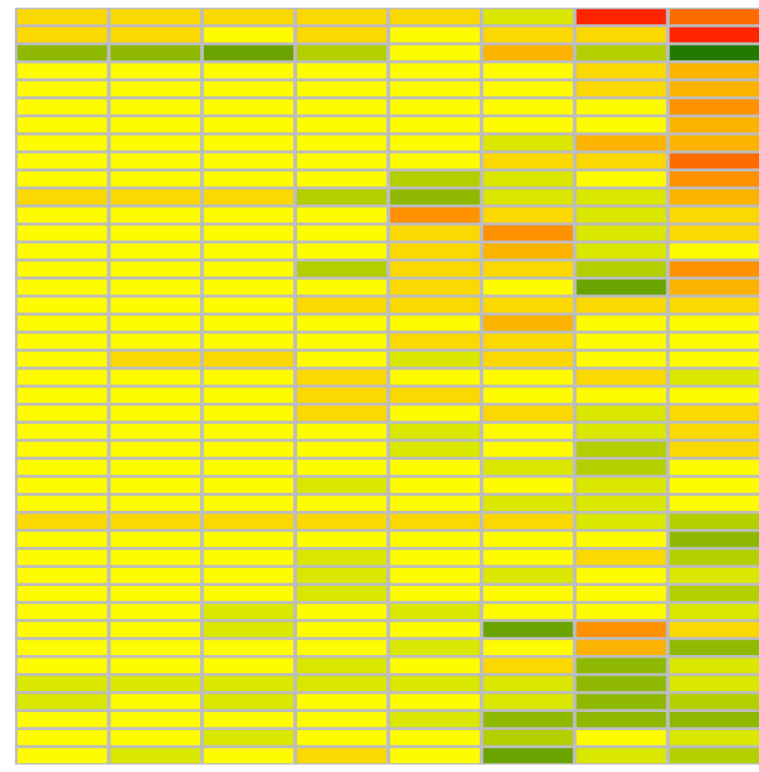
Motif Break with randomized somatic as background



PRRX2
 ARID3A
 OVOL2
 ETS
 GATA
 TCF7L2
 SOX10
 SOX17
 PDX1
 FOXD2
 STAT
 RUNX2
 AP1
 ZNF740
 FOXA
 MAZ
 SRY
 MZF1
 CPEB1
 CCNT2
 TFCEP2
 NFE2L1::MAFG
 ZEB1
 YY1
 NFIC
 IRF
 MYOG
 TCF3
 ETV4
 E2F
 ZNF354C
 SPIB
 SPI1
 TCF12
 TEAD1
 KLF12
 SREBP
 HNF4
 HDAC2
 ARNT
 RUNX1
 AHR::ARNT

glioma sarcoma hematopoietic adenocarcinoma carcinoma digestive reproductive squamous

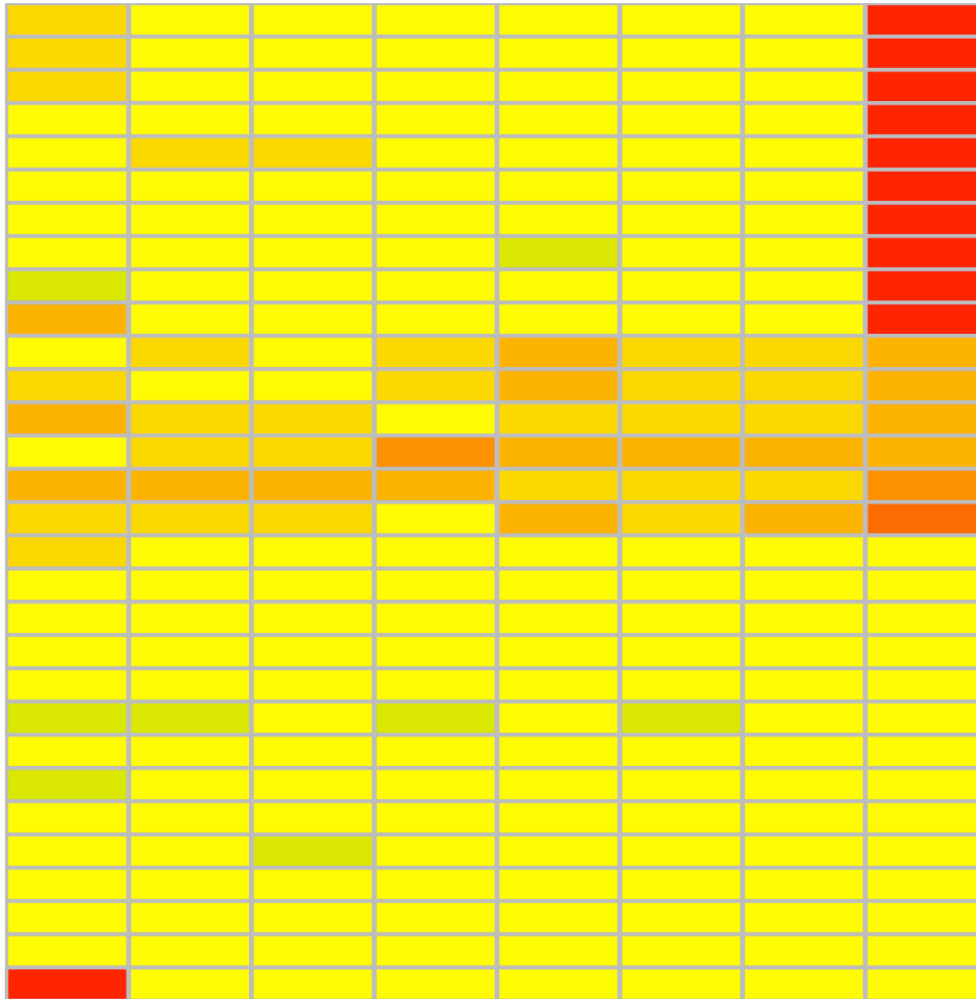
Motif Gain with germline as background



ETS
 OVOL2
 HNF4
 MAZ
 FOXA
 RUNX2
 ZNF740
 SOX17
 SRY
 TCF7L2
 PRRX2
 SOX10
 ZEB1
 AHR::ARNT
 ARID3A
 ATF3
 CPEB1
 CCNT2
 MZF1
 NKX3-1
 IRF
 SPIB
 TFCEP2
 TCF3
 NFIC
 DBP
 NR2E3
 HOXA7
 STAT
 HOXA4
 TCF12
 EP300
 MEIS1
 ZNF354C
 YY1
 TEAD1
 ARNT
 NFE2L1::MAFG
 RUNX1
 SREBP
 ETV4
 GATA

denocarcinoma carcinoma digestive reproductive squamous hematopoietic glioma sarcoma

Motif Gain with randomized somatic as background



MYC
 NPM1
 DDX5
 DNMT1
 PDE4DIP
 NACA
 NRAS
 NUP214
 RBM15
 FOXA1
 LRP1B
 ERBB4
 NRG1
 CTNNA2
 DMD
 ROBO2
 NKX2-1
 PAX3
 PAX7
 GATA3
 CDX2
 WWOX
 SUMF1
 CNOT3
 NUP98
 MAD1L1
 SUPT3H
 ABL1
 COMMD10
 BRAF

glioma
 reproductive
 sarcoma
 squamous
 digestive
 carcinoma
 adenocarcinoma
 hematopoietic

Essential genes with germline as background