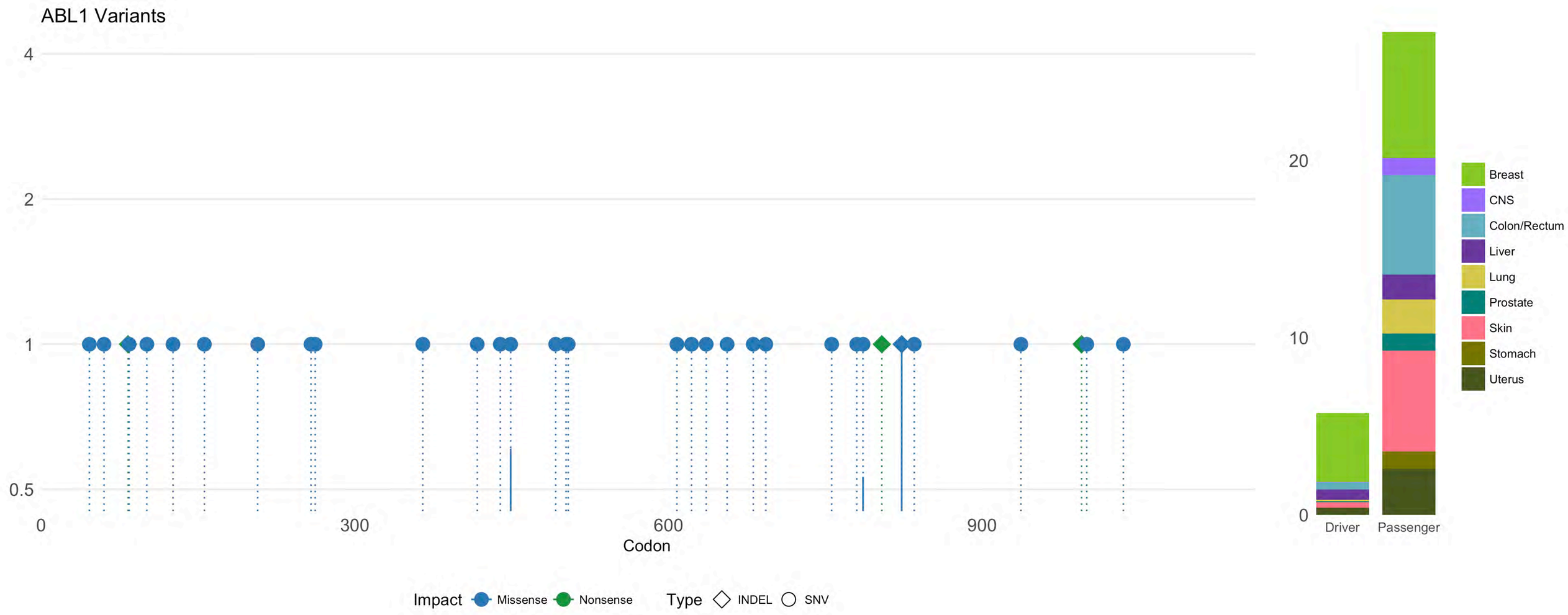
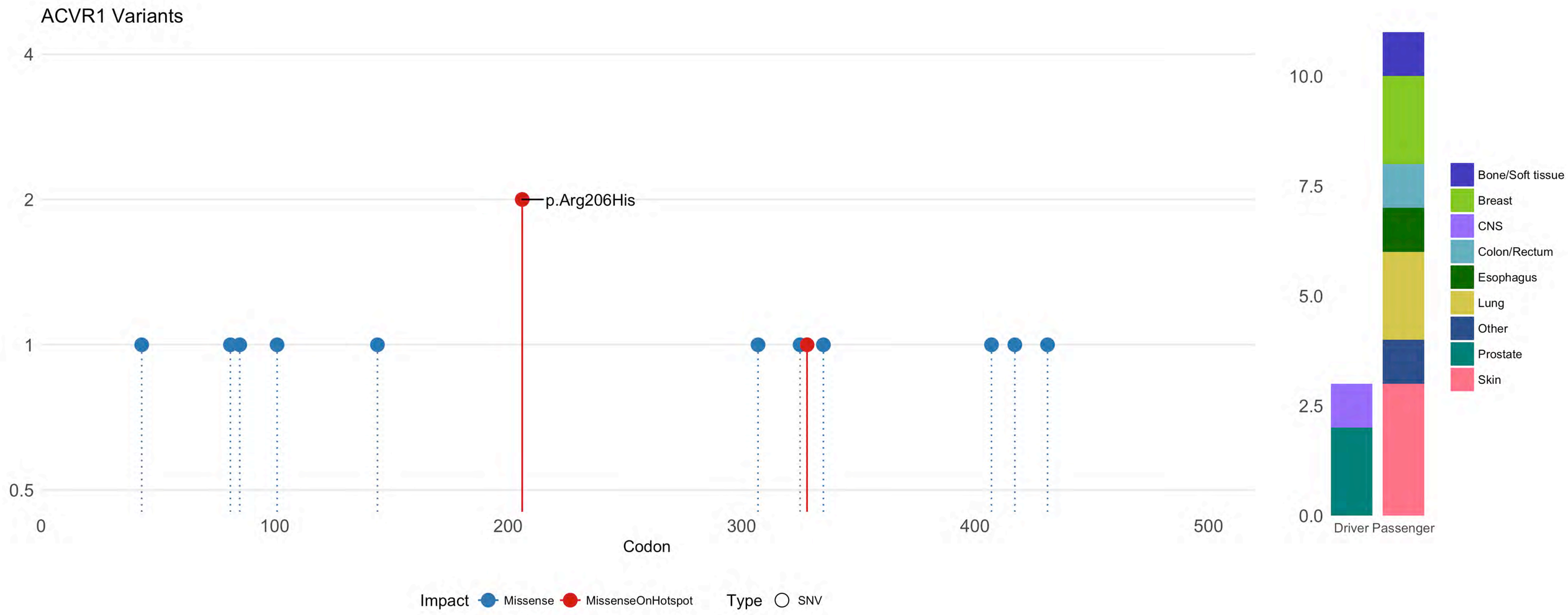
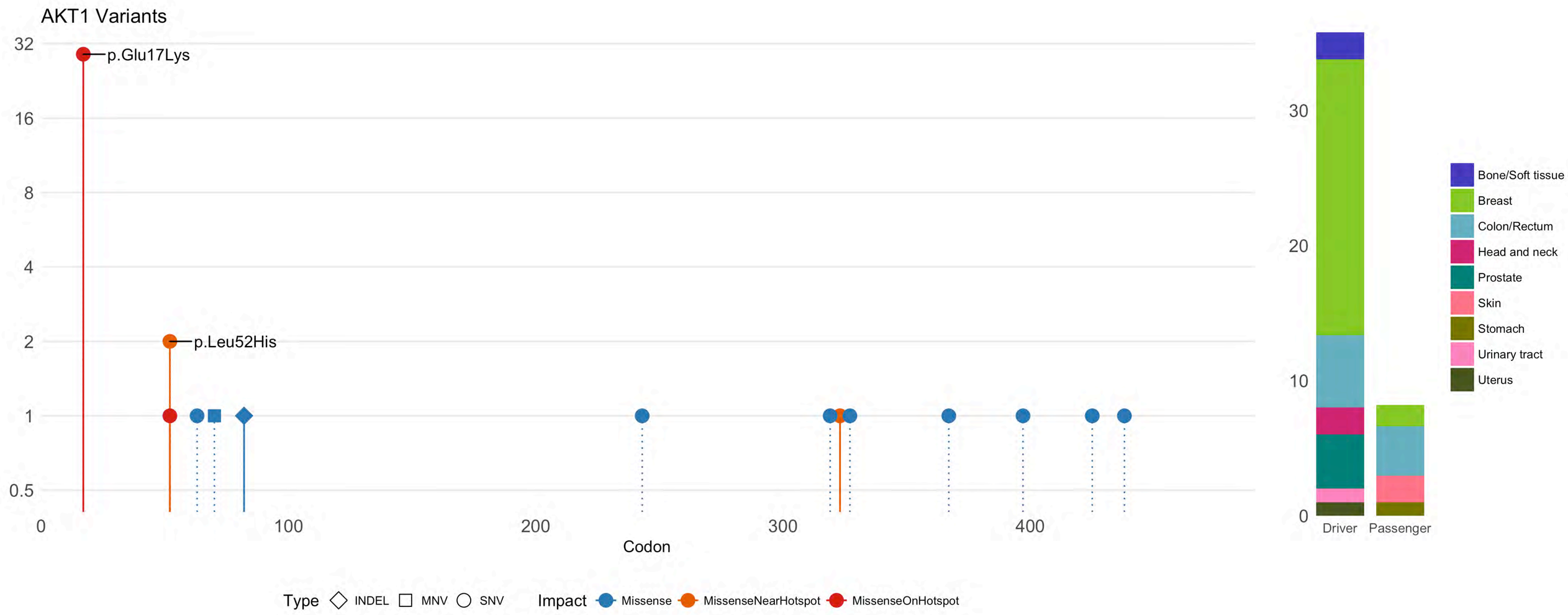
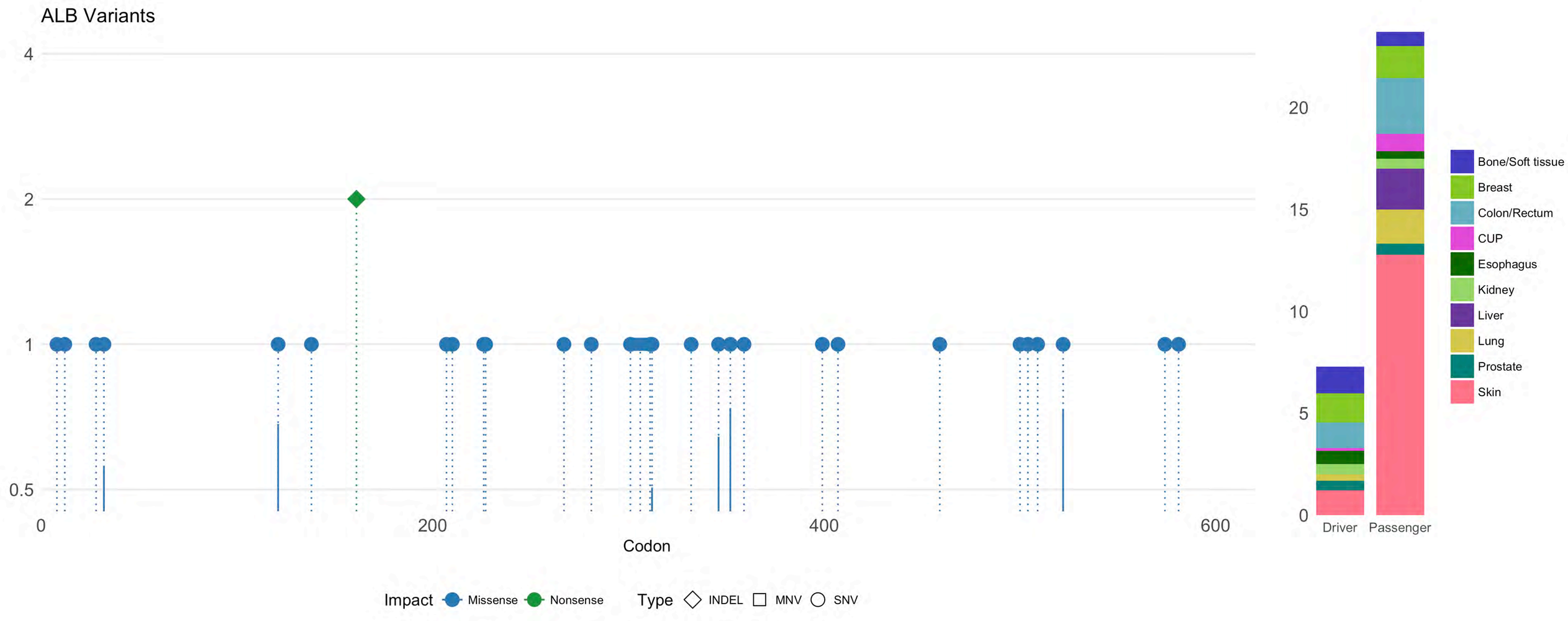
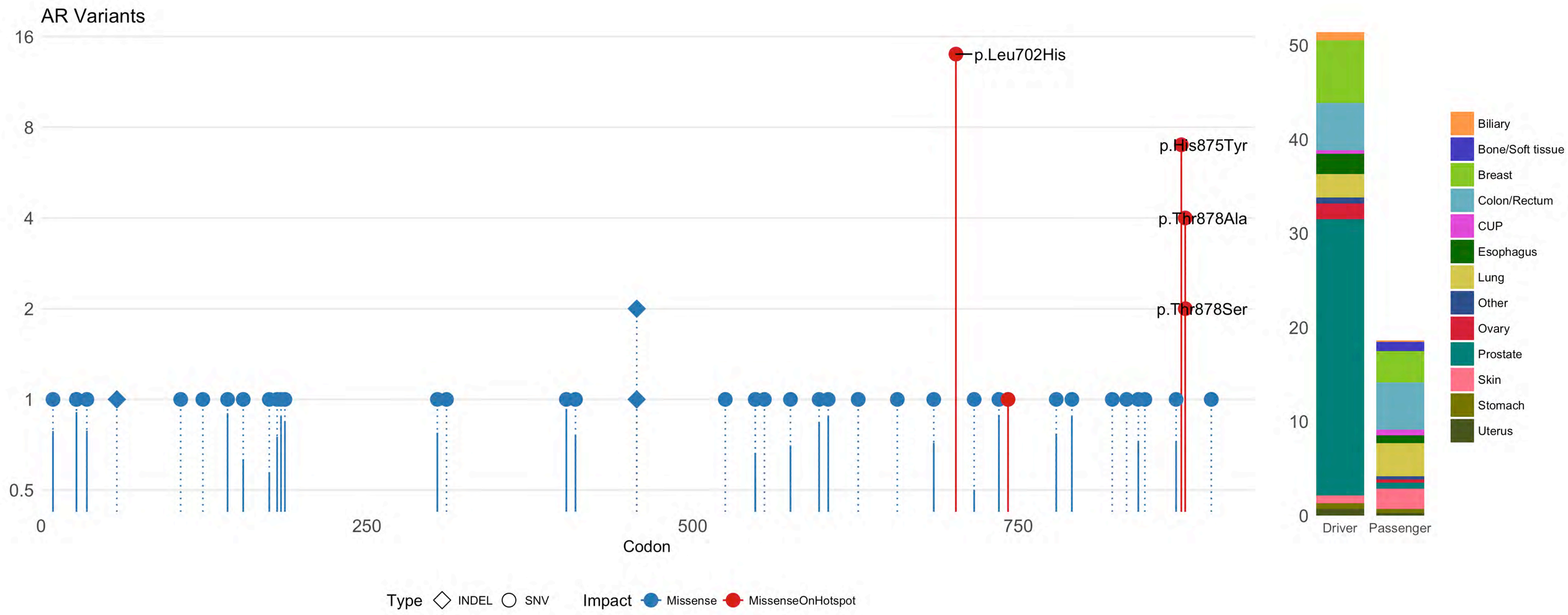

ABL1 Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver Passenger
Breast
CNS
Colon/Rectum
Liver
Lung
Prostate
Skin
Stomach
Uterus

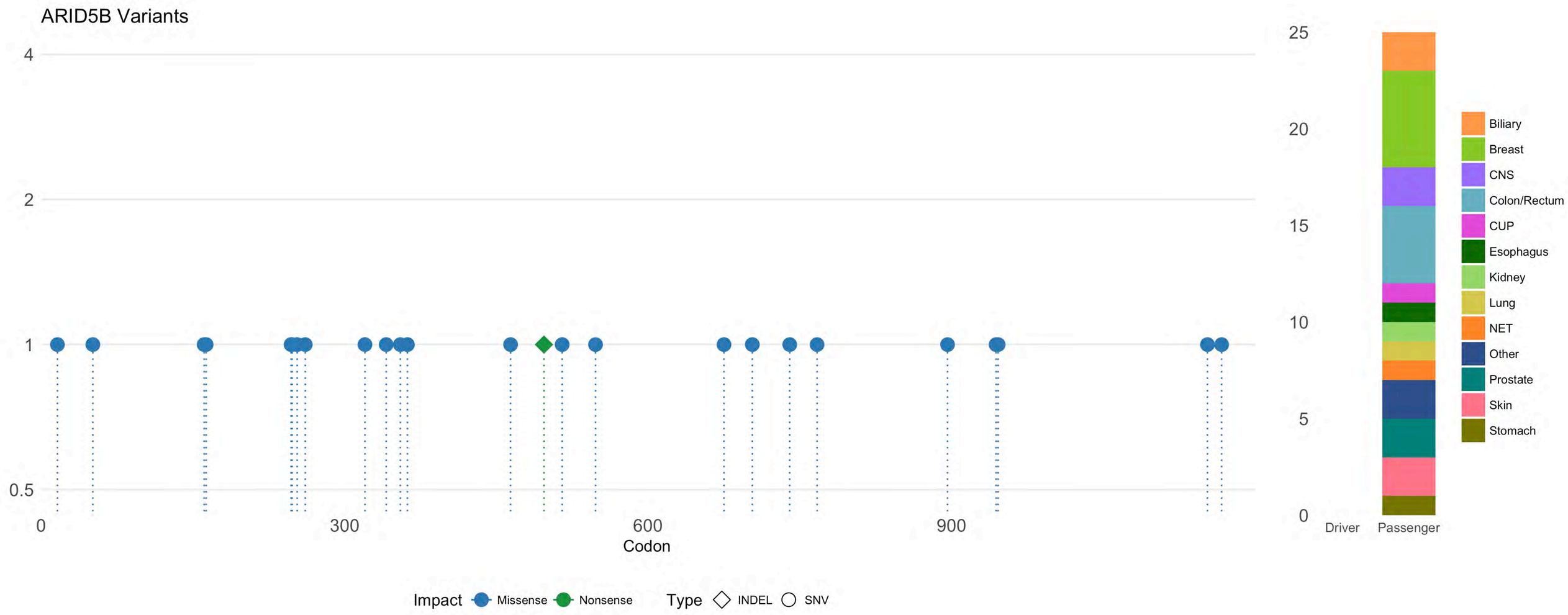

ACVR1 Variants
p.Arg206His
Codon
Impact Missense MissenseOnHotspot
Type SNV
Driver Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
Esophagus
Lung
Other
Prostate
Skin

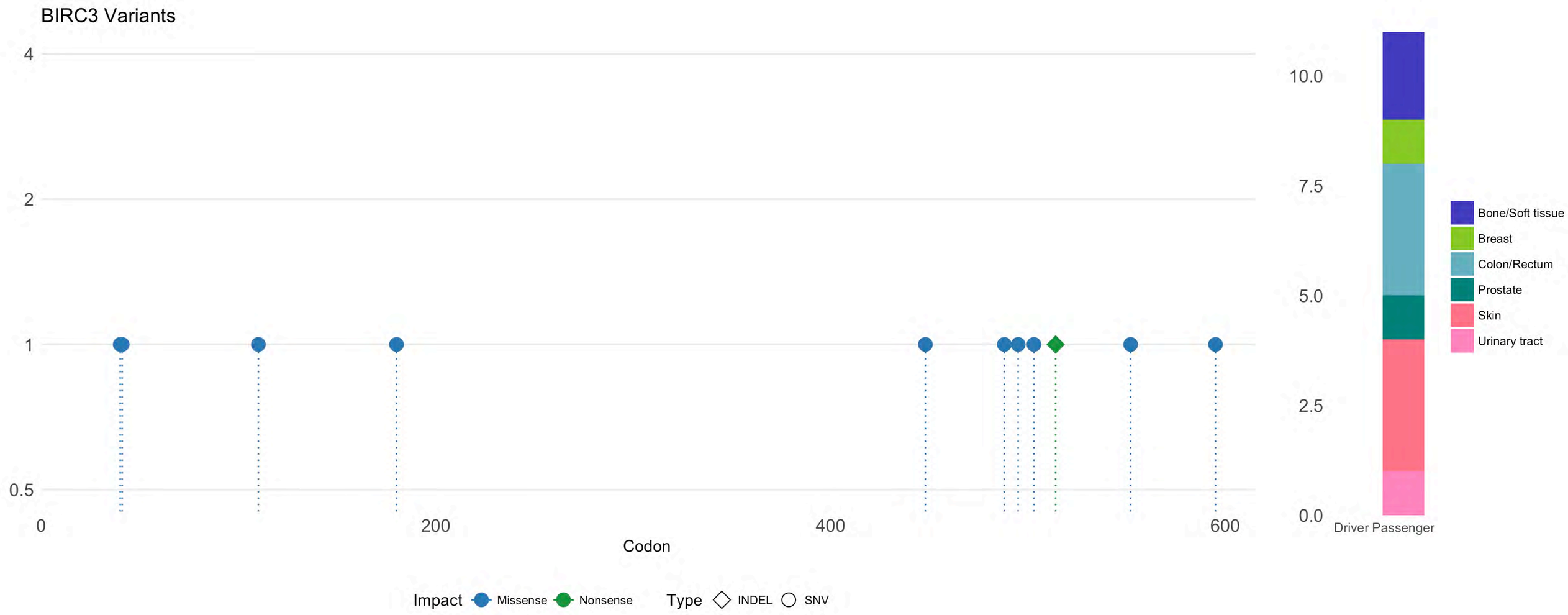

AKT1 Variants
p.Glu17Lys
p.Leu52His
Codon
Type INDEL MNV SNV
Impact Missense MissenseNearHotspot MissenseOnHotspot
Driver Passenger
Bone/Soft tissue
Breast
Colon/Rectum
Head and neck
Prostate
Skin
Stomach
Urinary tract
Uterus

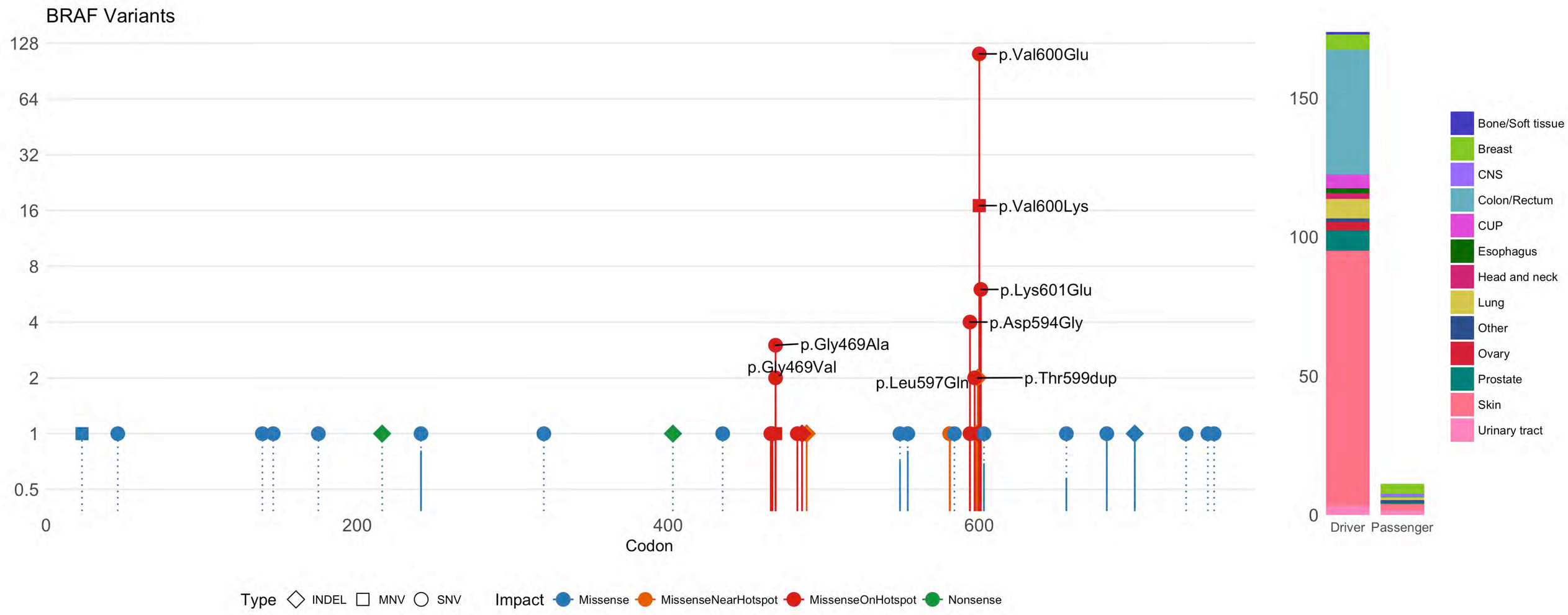

ALB Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Driver Passenger
Bone/Soft tissue
Breast
Colon/Rectum
CUP
Esophagus
Kidney
Liver
Lung
Prostate
Skin

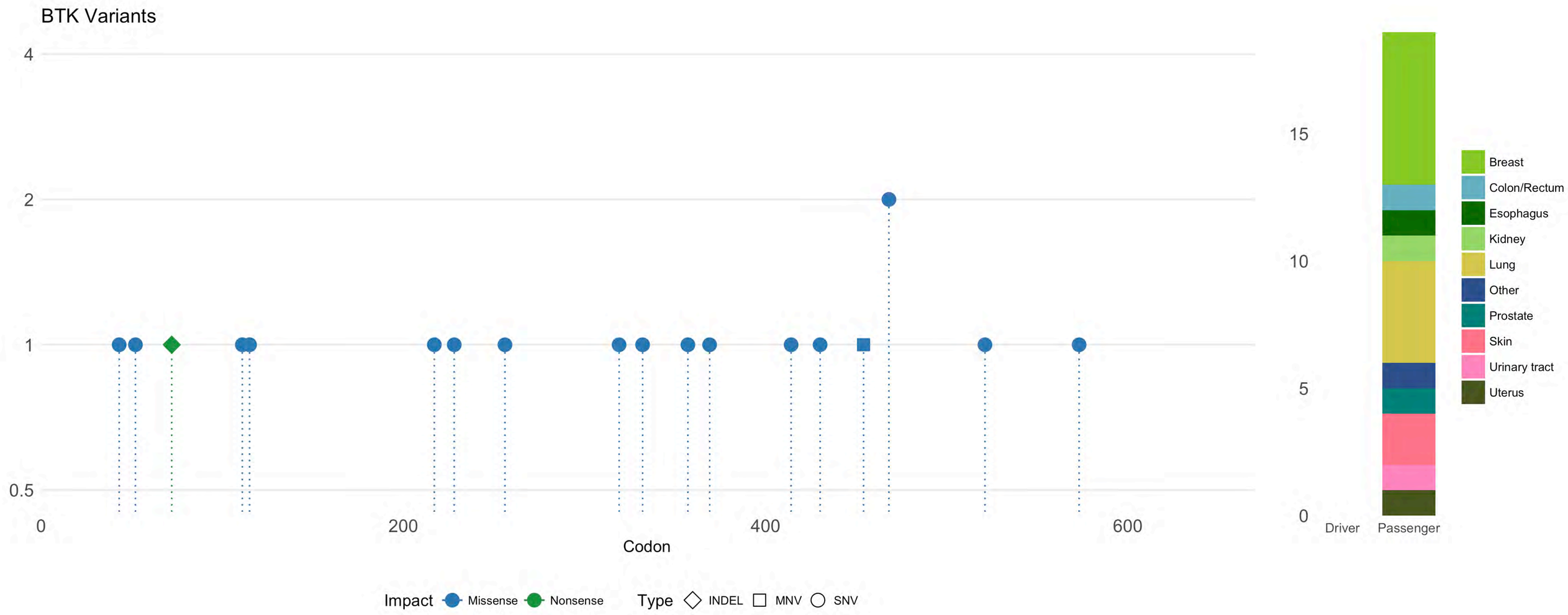
ALK Variants
Codon
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Kidney
Liver
Lung
NET
Other
Ovary
Prostate
Skin
Stomach
Urinary tract
Uterus
Type INDEL MNV SNV
Impact Missense MissenseOnHotspot Nonsense

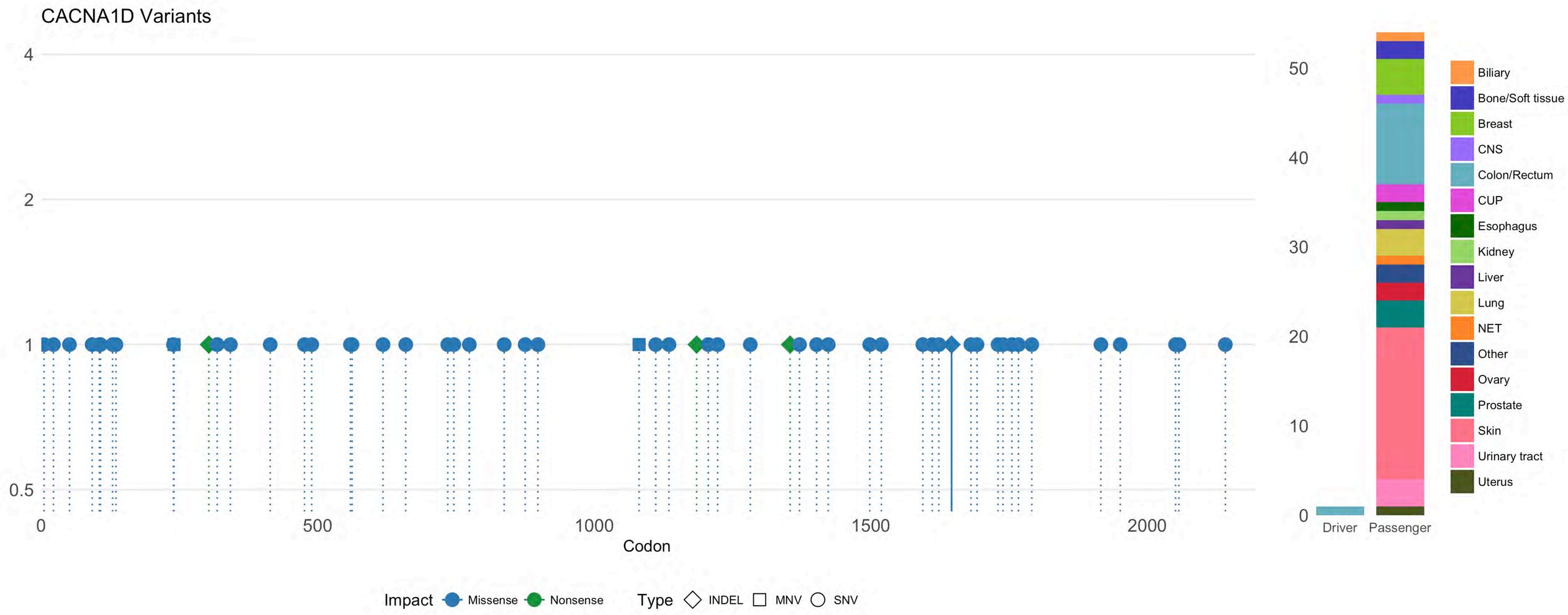

AR Variants
p.Leu702His
p.His875Tyr
p.Thr878Ala
p.Thr878Ser
Codon
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
Colon/Rectum
CUP
Esophagus
Lung
Other
Ovary
Prostate
Skin
Stomach
Uterus
Type INDEL SNV
Impact Missense MissenseOnHotspot

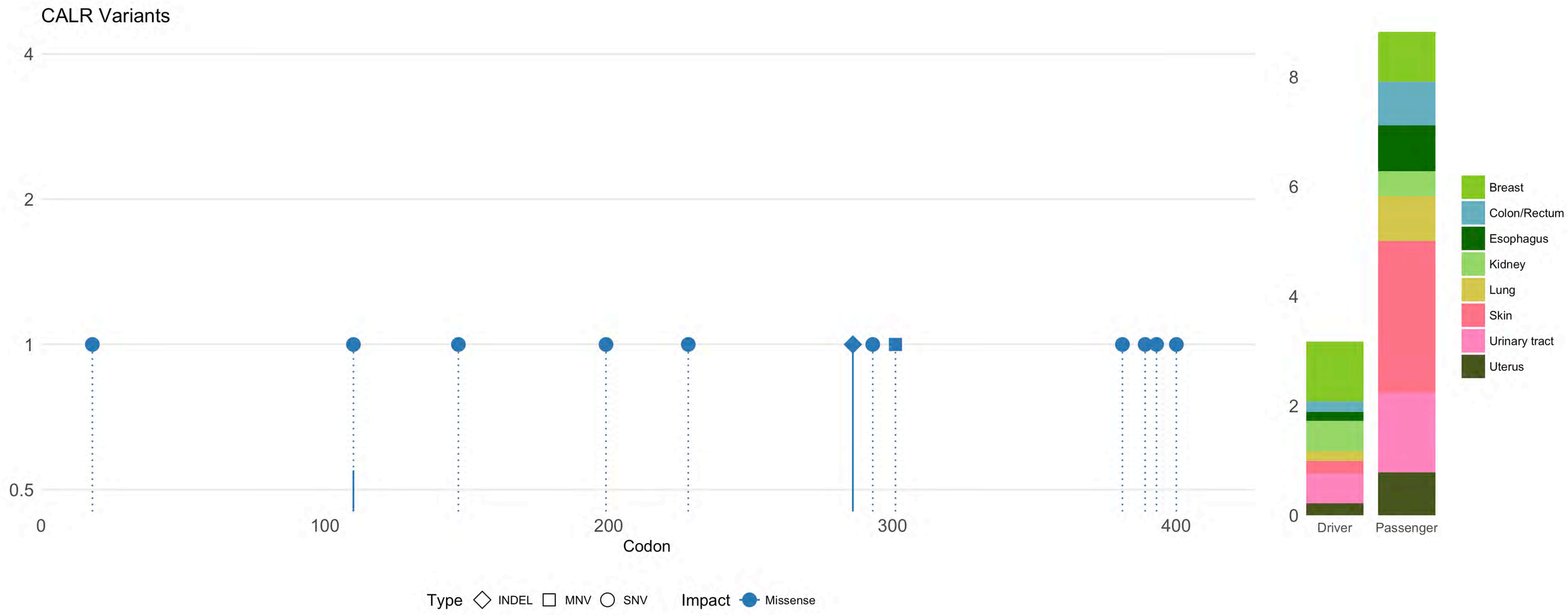

ARID5B Variants
Codon
Driver
Passenger
Biliary
Breast
CNS
Colon/Rectum
CUP
Esophagus
Kidney
Lung
NET
Other
Prostate
Skin
Stomach
Impact Missense Nonsense
Type INDEL SNV

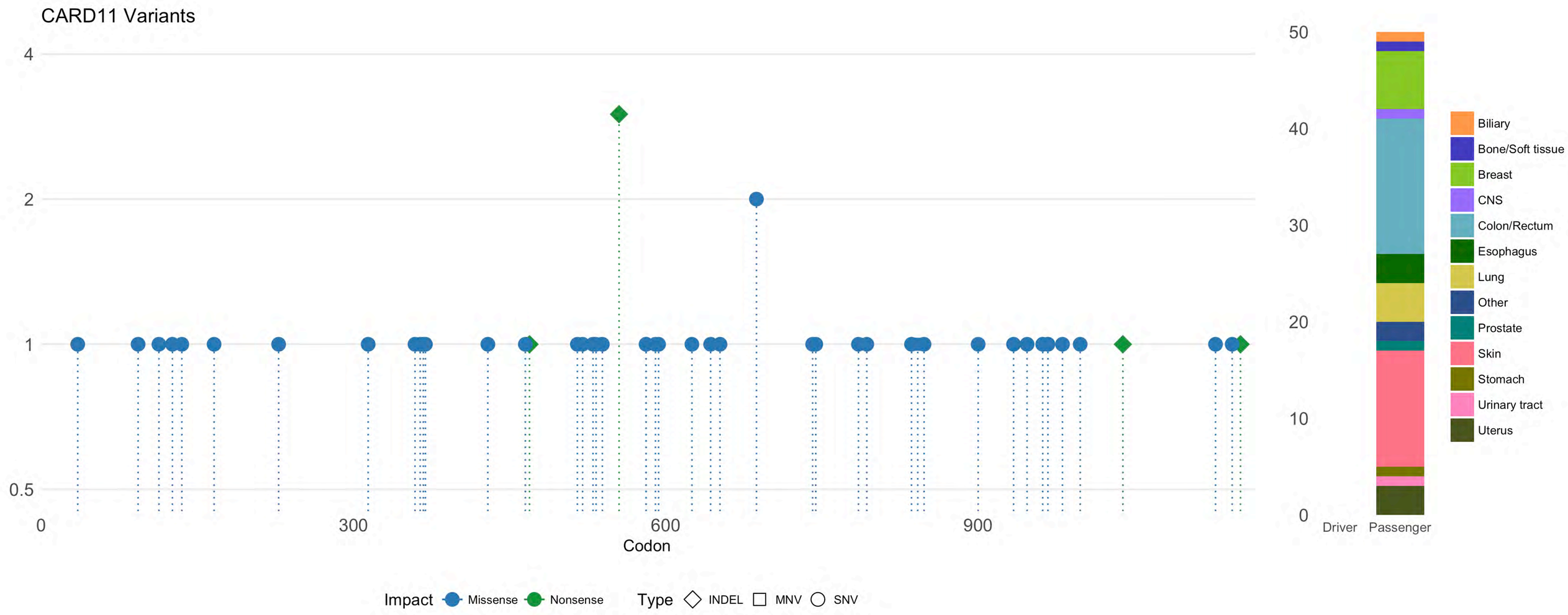

BIRC3 Variants
Codon
Driver
Passenger
Bone/Soft tissue
Breast
Colon/Rectum
Prostate
Skin
Urinary tract
Impact Missense Nonsense
Type INDEL SNV

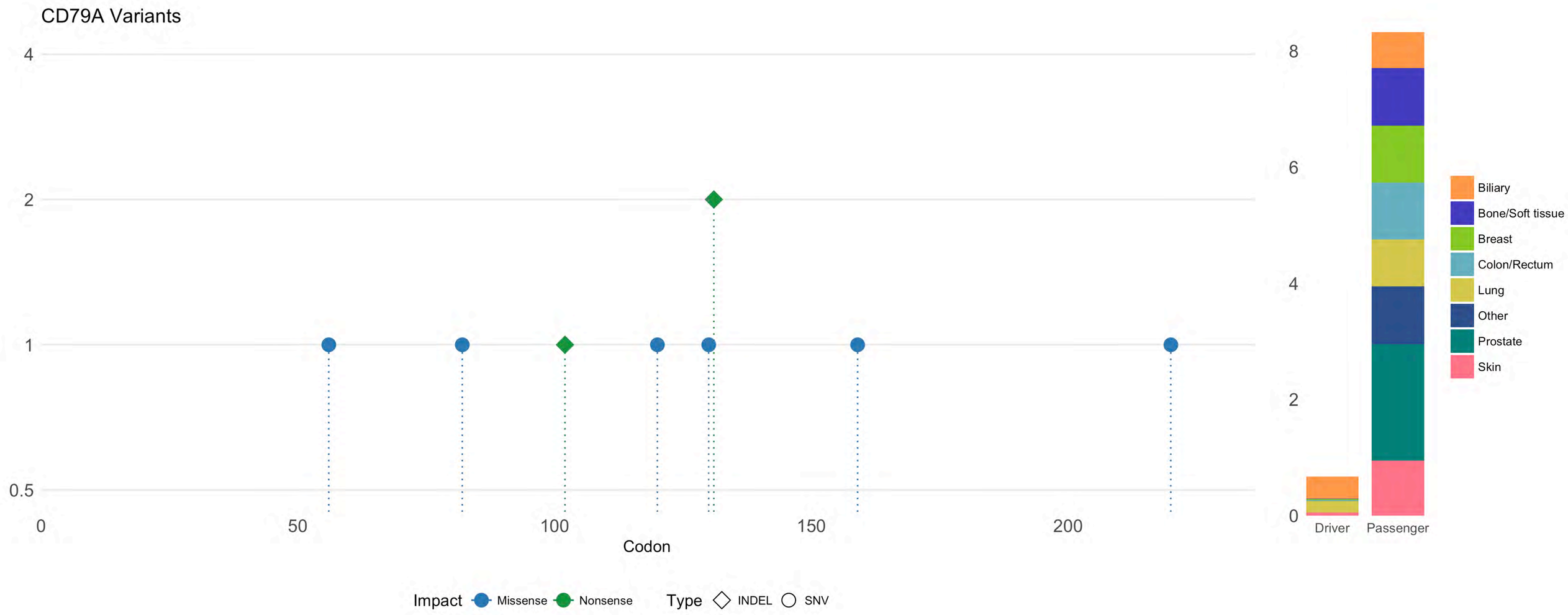

BRAF Variants
p.Val600Glu
p.Val600Lys
p.Lys601Glu
p.Asp594Gly
p.Gly469Ala
p.Gly469Val
p.Leu597Gln
p.Thr599dup
Codon
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Head and neck
Lung
Other
Ovary
Prostate
Skin
Urinary tract
Type INDEL MNV SNV
Impact Missense MissenseNearHotspot MissenseOnHotspot Nonsense

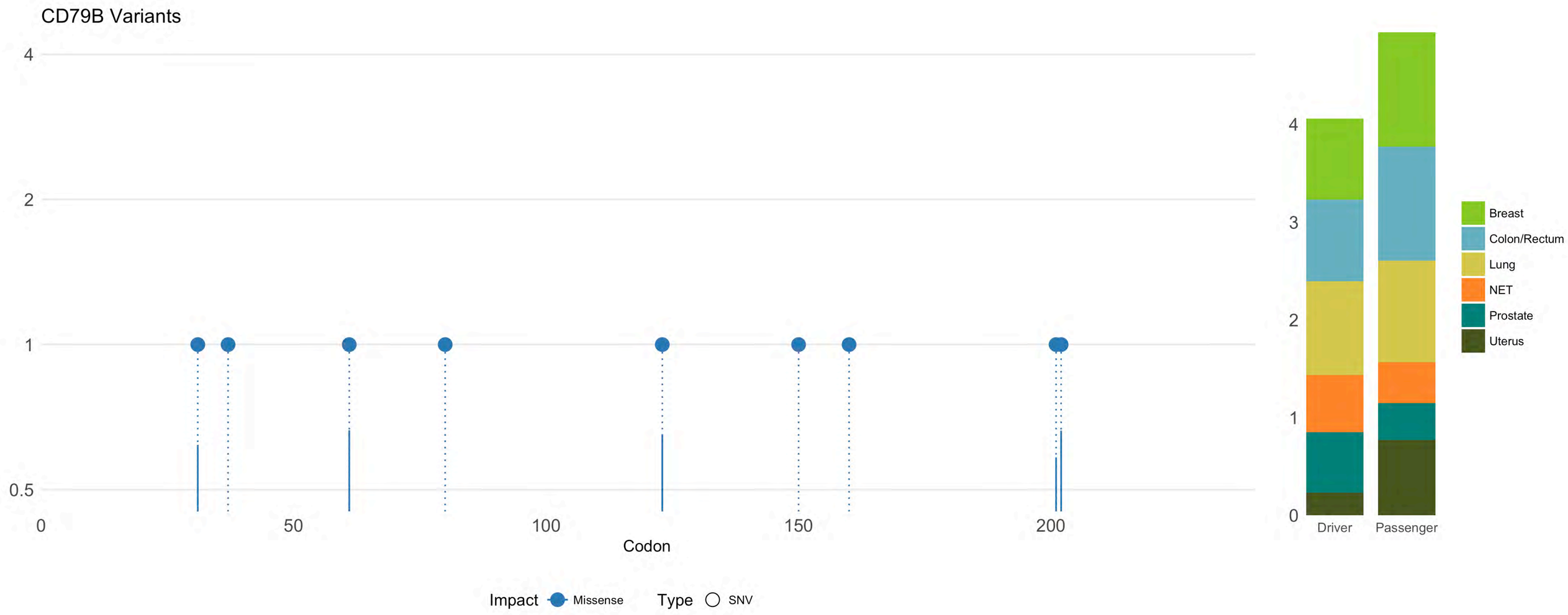

BTK Variants
Codon
Driver
Passenger
Breast
Colon/Rectum
Esophagus
Kidney
Lung
Other
Prostate
Skin
Urinary tract
Uterus
Impact Missense Nonsense
Type INDEL MNV SNV

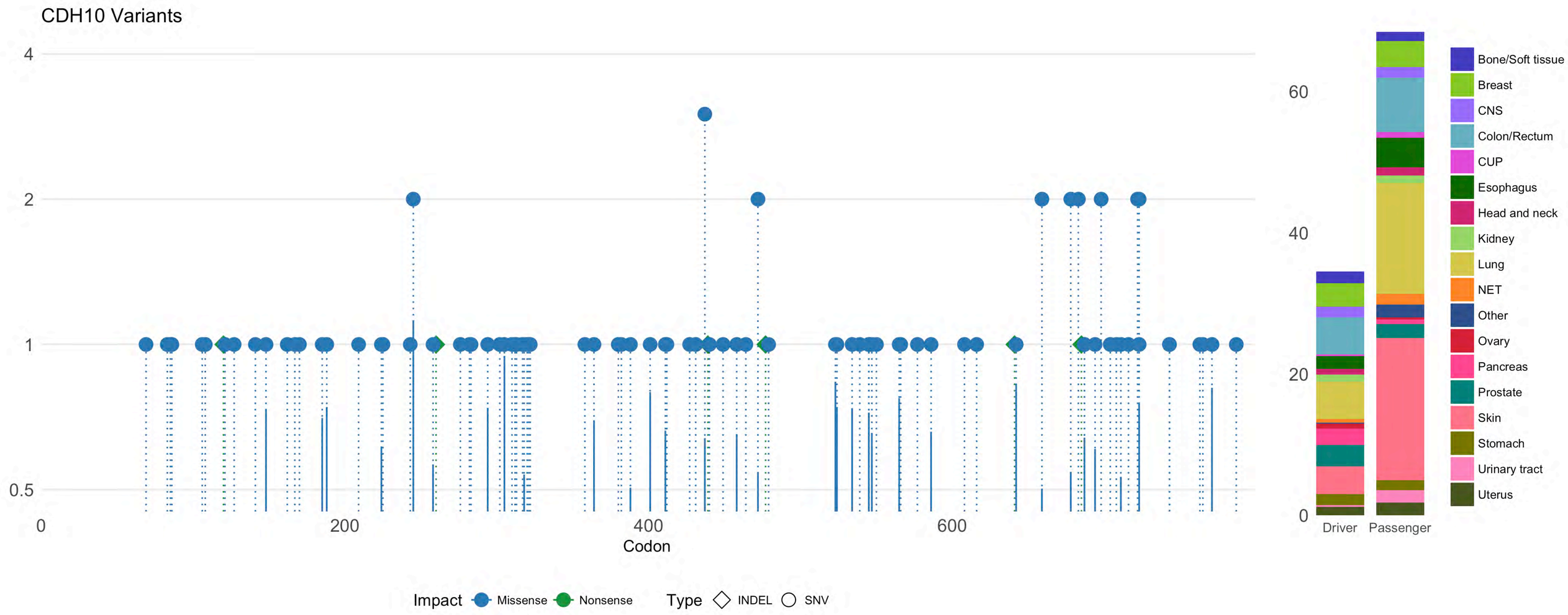

CACNA1D Variants
Codon
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Kidney
Liver
Lung
NET
Other
Ovary
Prostate
Skin
Urinary tract
Uterus
Impact Missense Nonsense
Type INDEL MNV SNV

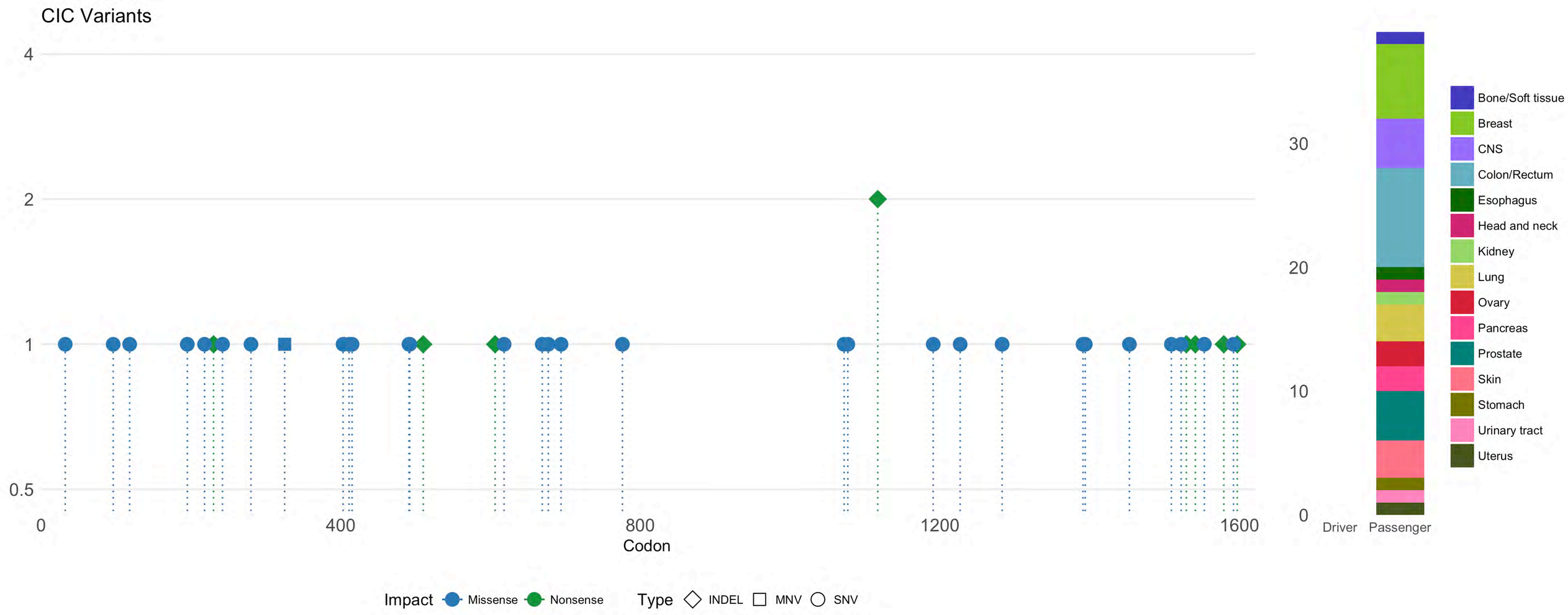

CALR Variants
Codon
Driver
Passenger
Breast
Colon/Rectum
Esophagus
Kidney
Lung
Skin
Urinary tract
Uterus
Type INDEL MNV SNV
Impact Missense

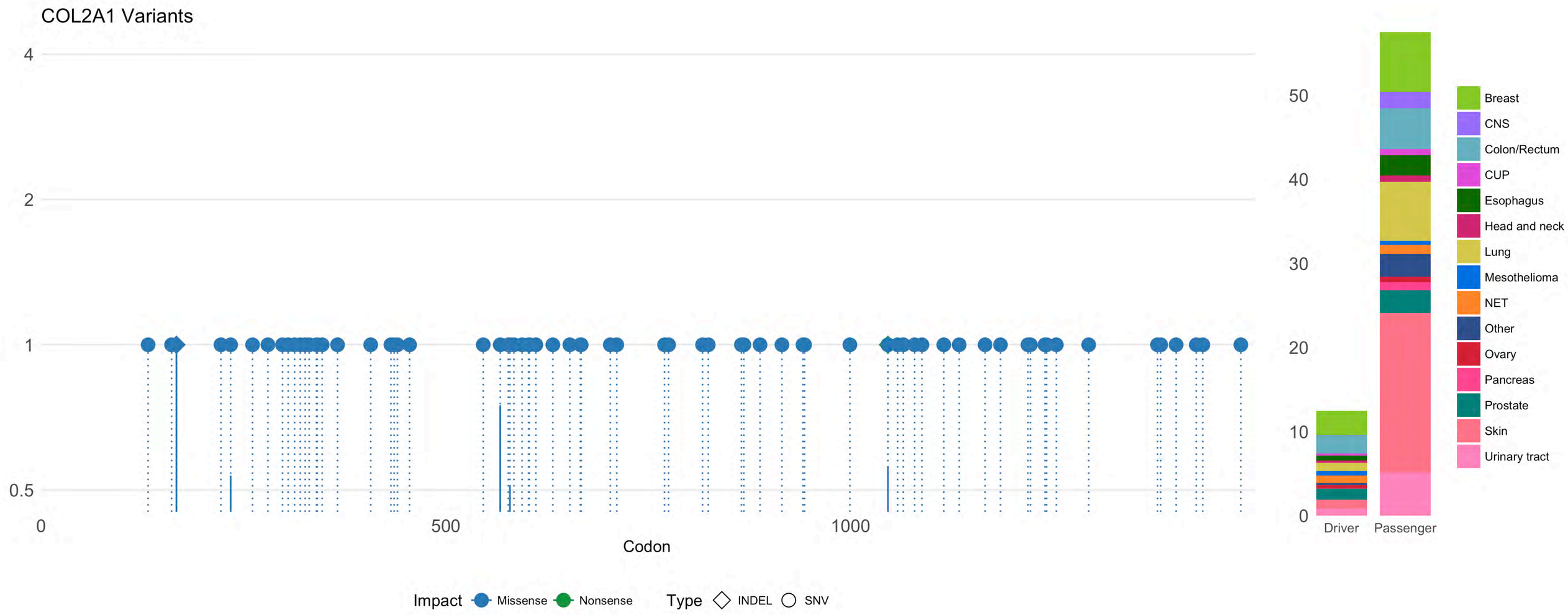

CARD11 Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
CNS
Colon/Rectum
Esophagus
Lung
Other
Prostate
Skin
Stomach
Urinary tract
Uterus

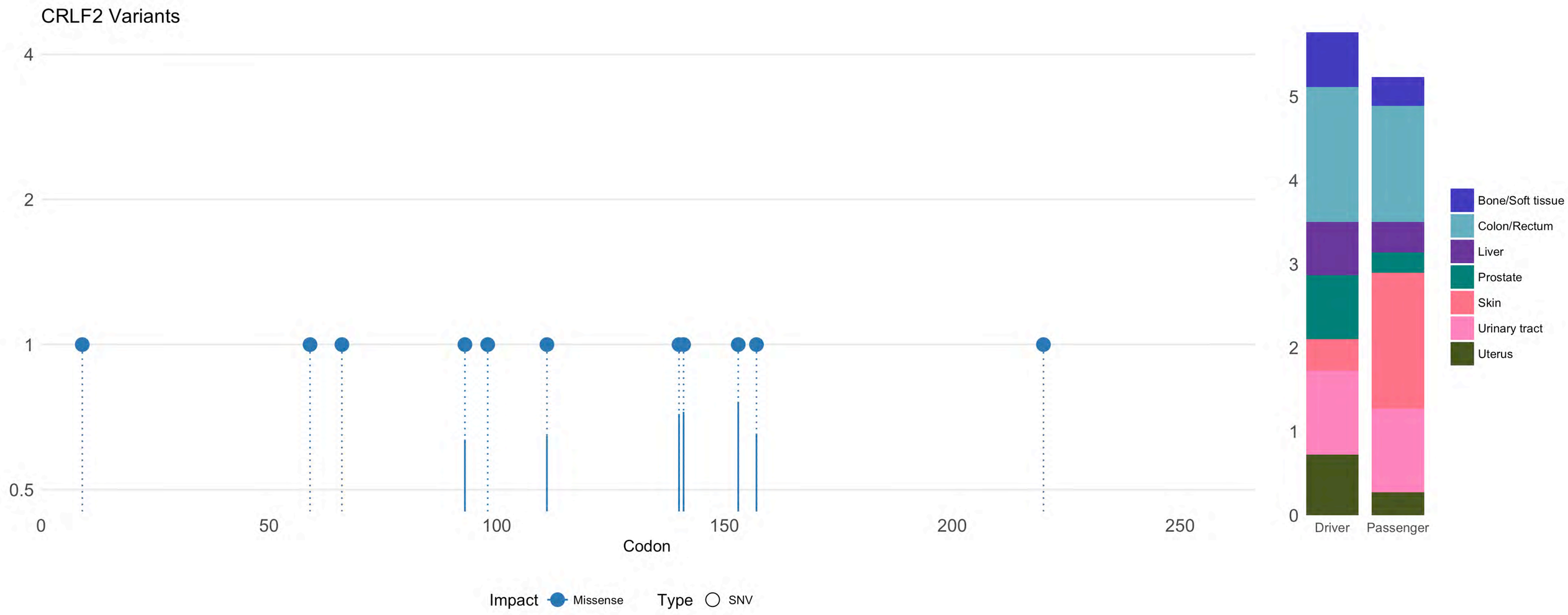

CD79A Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
Colon/Rectum
Lung
Other
Prostate
Skin

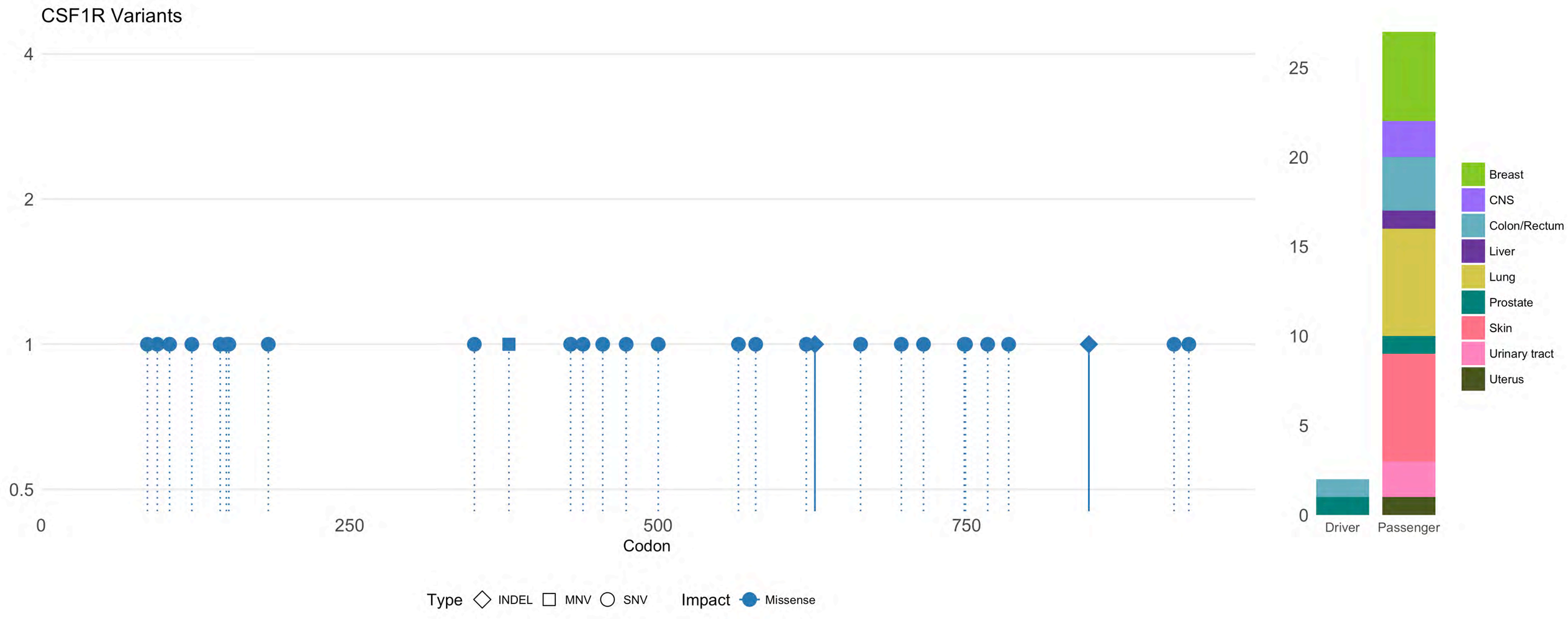

CD79B Variants
Codon
Impact Missense
Type SNV
Driver
Passenger
Breast
Colon/Rectum
Lung
NET
Prostate
Uterus

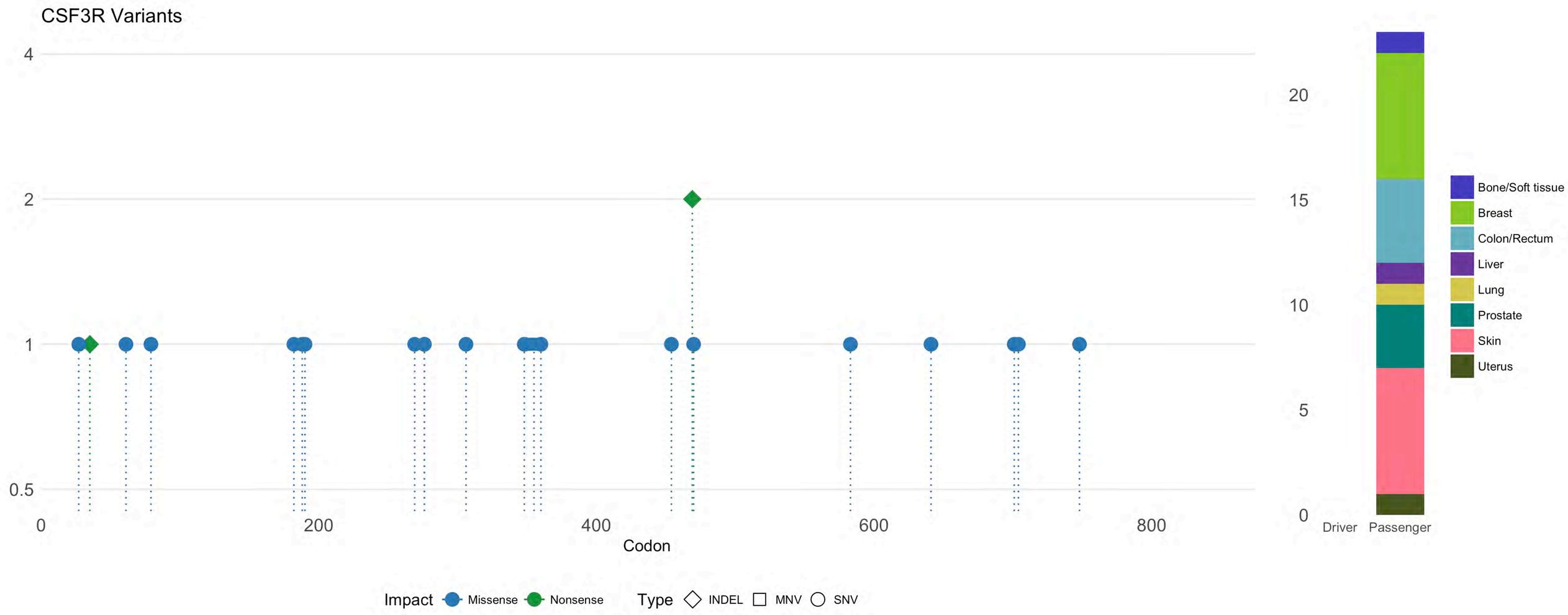

CDH10 Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Head and neck
Kidney
Lung
NET
Other
Ovary
Pancreas
Prostate
Skin
Stomach
Urinary tract
Uterus

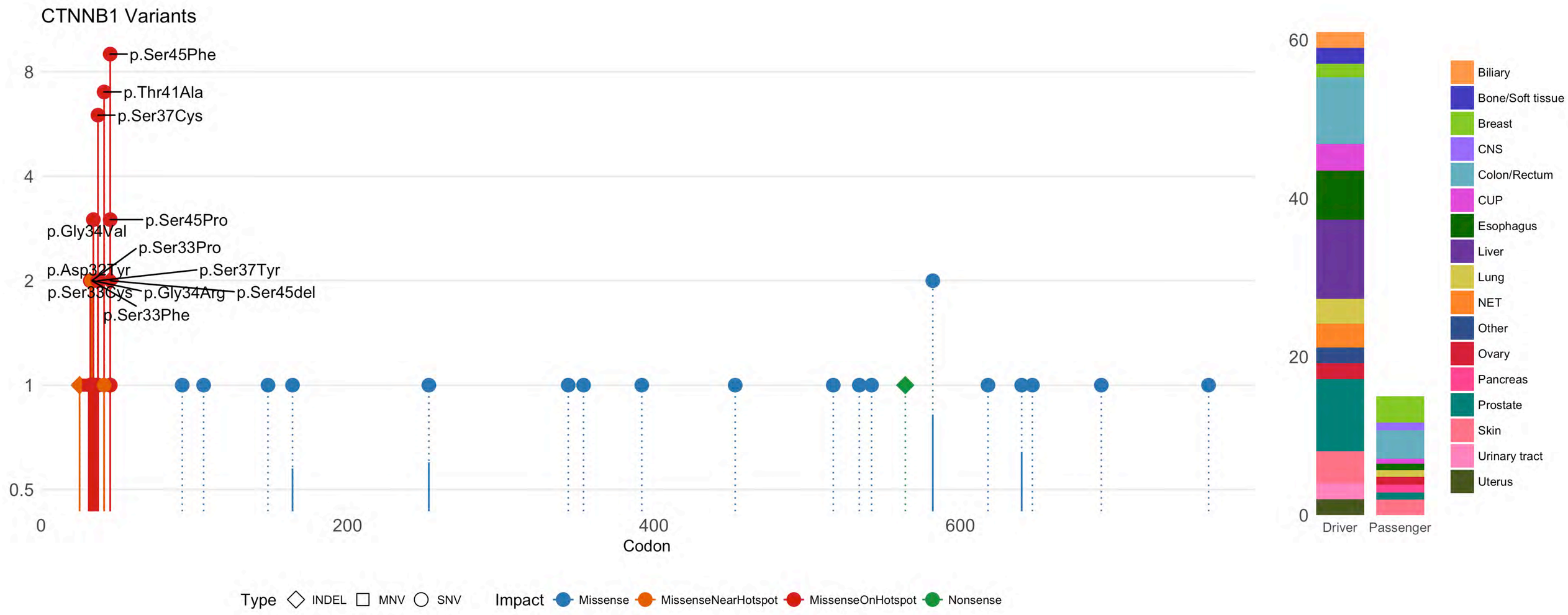

CIC Variants
4
2
1
0.5
0
400
800
1200
1600
Codon
30
20
10
0
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
Esophagus
Head and neck
Kidney
Lung
Ovary
Pancreas
Prostate
Skin
Stomach
Urinary tract
Uterus
Impact
Missense
Nonsense
Type
INDEL
MNV
SNV

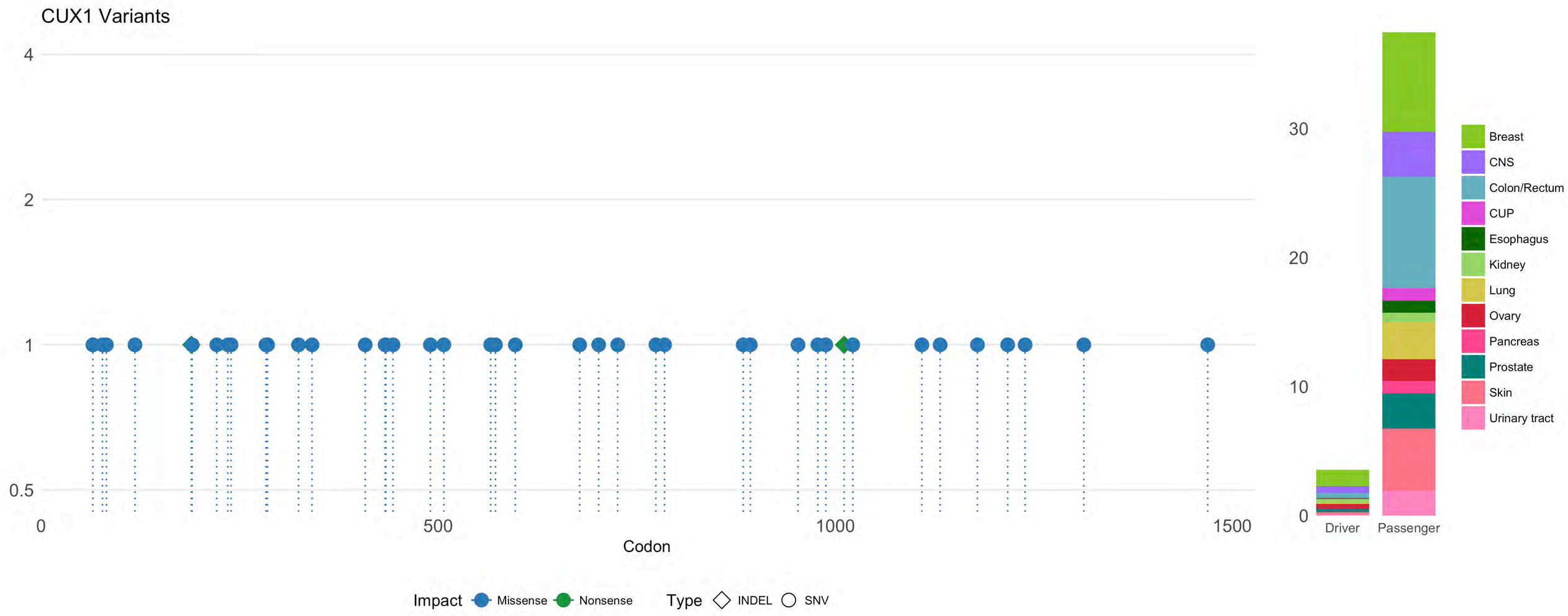

COL2A1 Variants
4
2
1
0.5
0
500
1000
Codon
50
40
30
20
10
0
Driver
Passenger
Breast
CNS
Colon/Rectum
CUP
Esophagus
Head and neck
Lung
Mesothelioma
NET
Other
Ovary
Pancreas
Prostate
Skin
Urinary tract
Impact
Missense
Nonsense
Type
INDEL
SNV

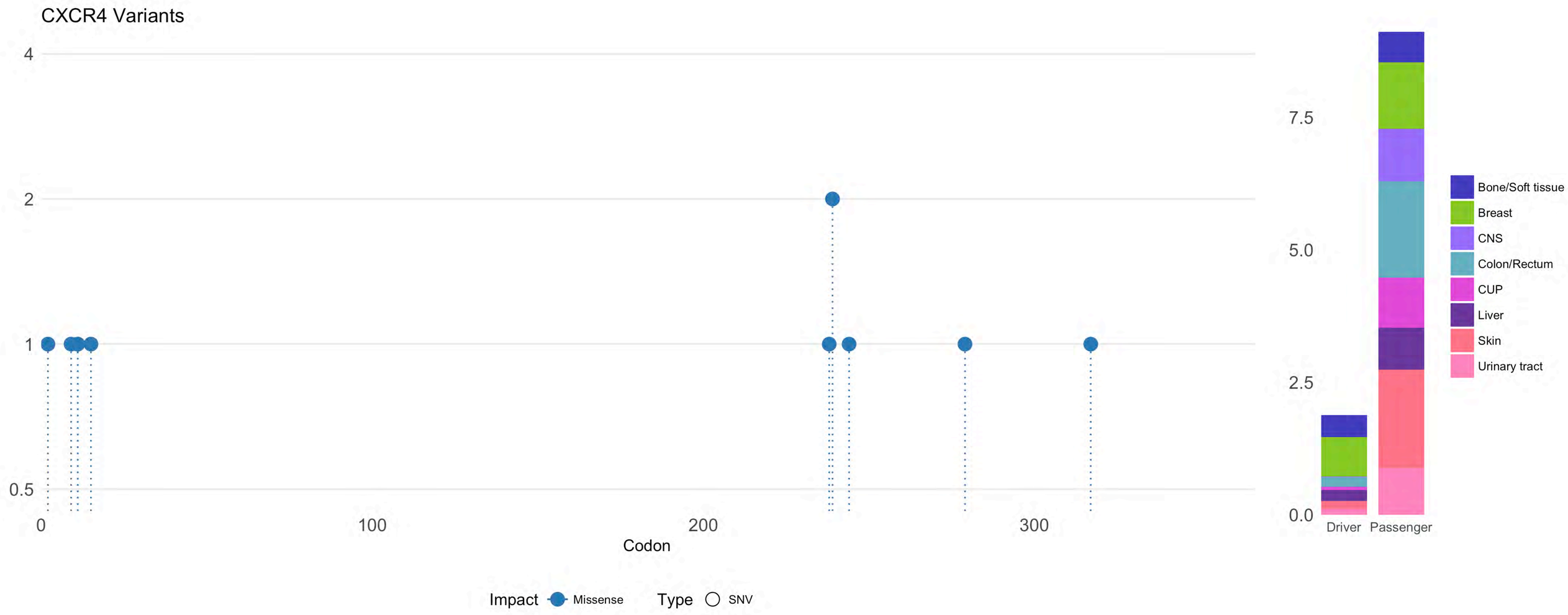

CRLF2 Variants
4
2
1
0.5
0
50
100
150
200
250
Codon
5
4
3
2
1
0
Driver
Passenger
Bone/Soft tissue
Colon/Rectum
Liver
Prostate
Skin
Urinary tract
Uterus
Impact
Missense
Type
SNV

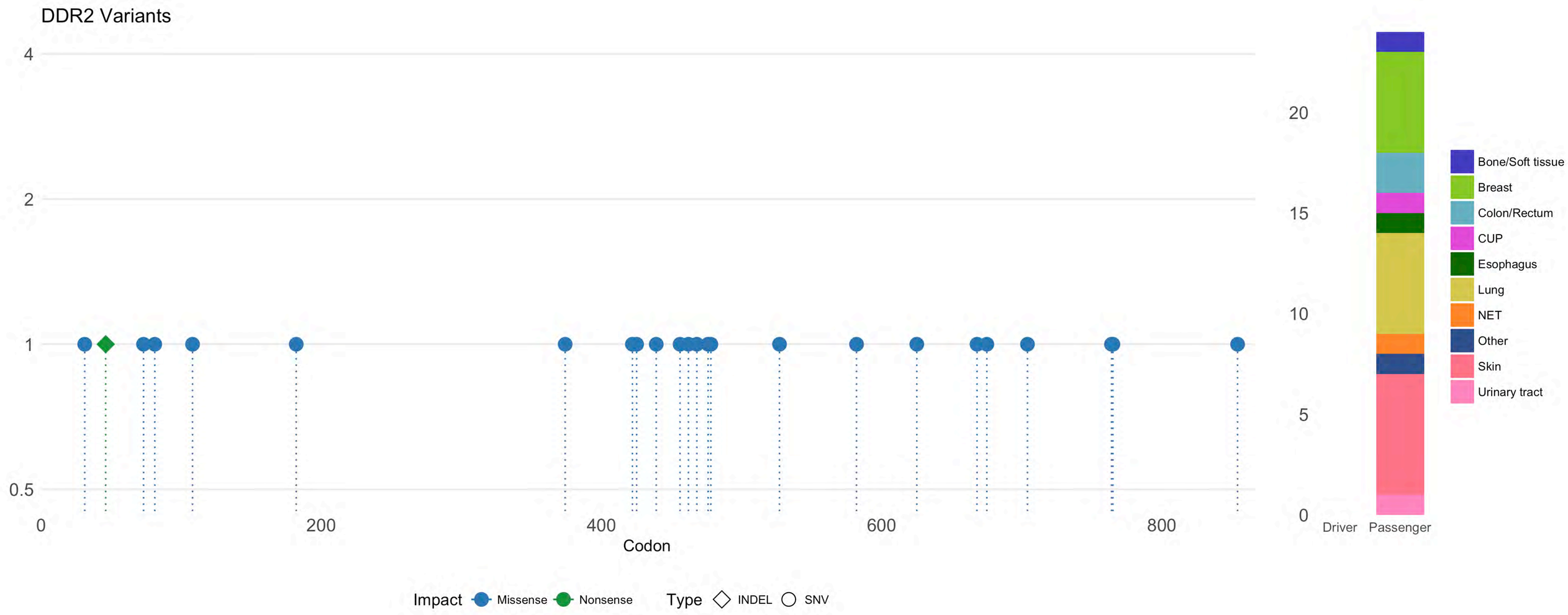

CSF1R Variants
4
2
1
0.5
0
250
500
750
Codon
25
20
15
10
5
0
Driver
Passenger
Breast
CNS
Colon/Rectum
Liver
Lung
Prostate
Skin
Urinary tract
Uterus
Type
INDEL
MNV
SNV
Impact
Missense

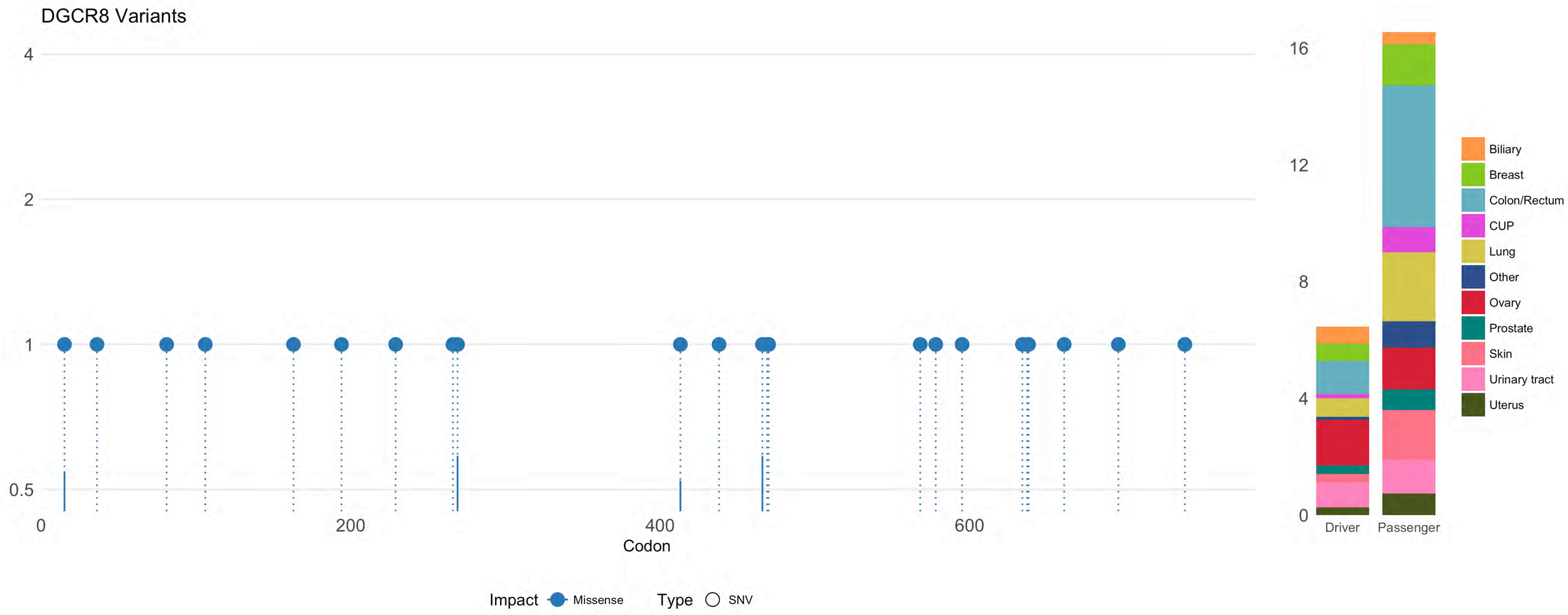

CSF3R Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Driver Passenger
Bone/Soft tissue
Breast
Colon/Rectum
Liver
Lung
Prostate
Skin
Uterus

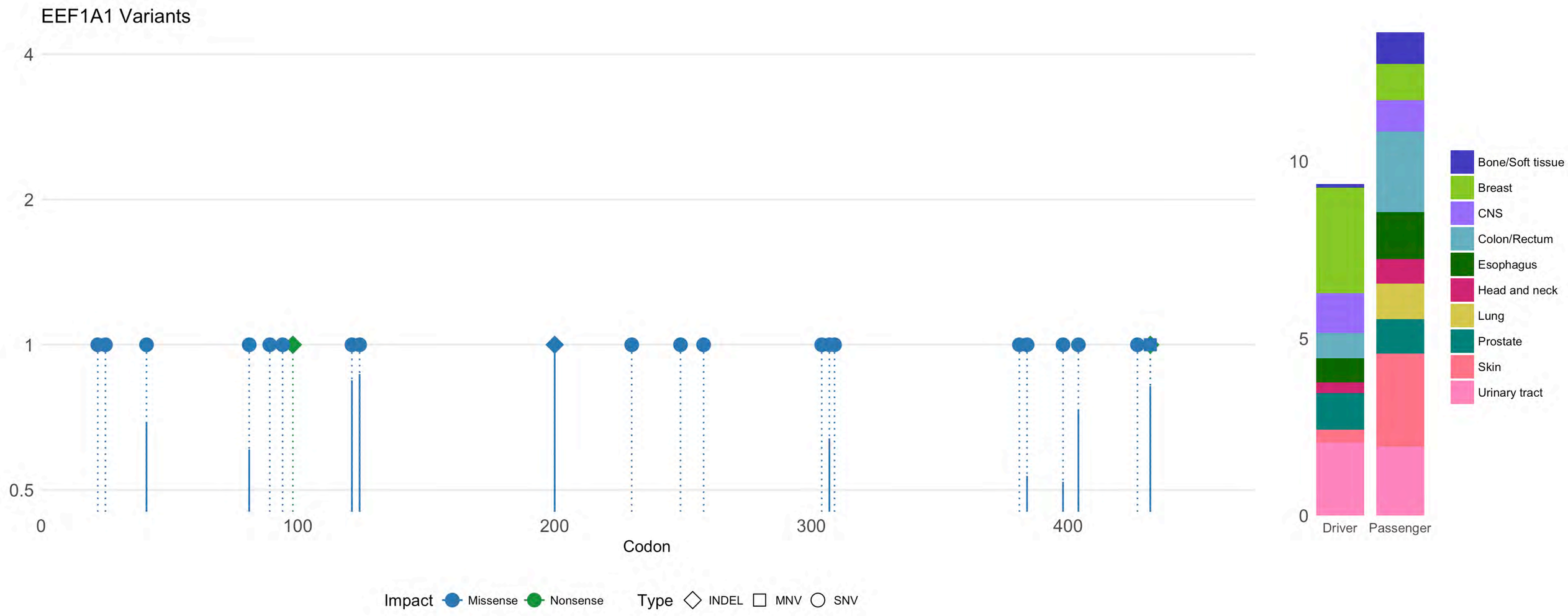

CTNNB1 Variants
p.Ser45Phe
p.Thr41Ala
p.Ser37Cys
p.Ser45Pro
p.Gly34Val
p.Ser33Pro
p.Asp32Tyr
p.Ser37Tyr
p.Ser33Cys
p.Gly34Arg
p.Ser45del
p.Ser33Phe
Codon
Type INDEL MNV SNV
Impact Missense MissenseNearHotspot MissenseOnHotspot Nonsense
Driver Passenger
Biliary
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Liver
Lung
NET
Other
Ovary
Pancreas
Prostate
Skin
Urinary tract
Uterus

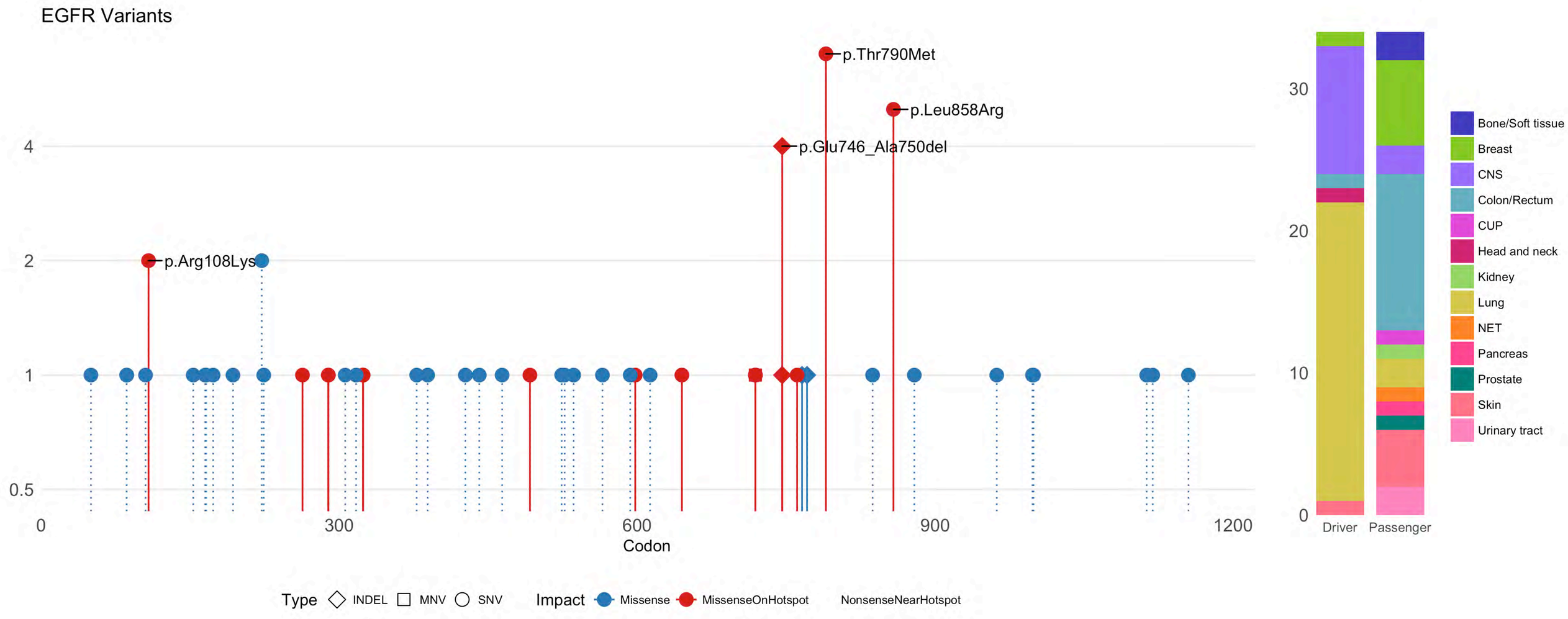

CUX1 Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver Passenger
Breast
CNS
Colon/Rectum
CUP
Esophagus
Kidney
Lung
Ovary
Pancreas
Prostate
Skin
Urinary tract

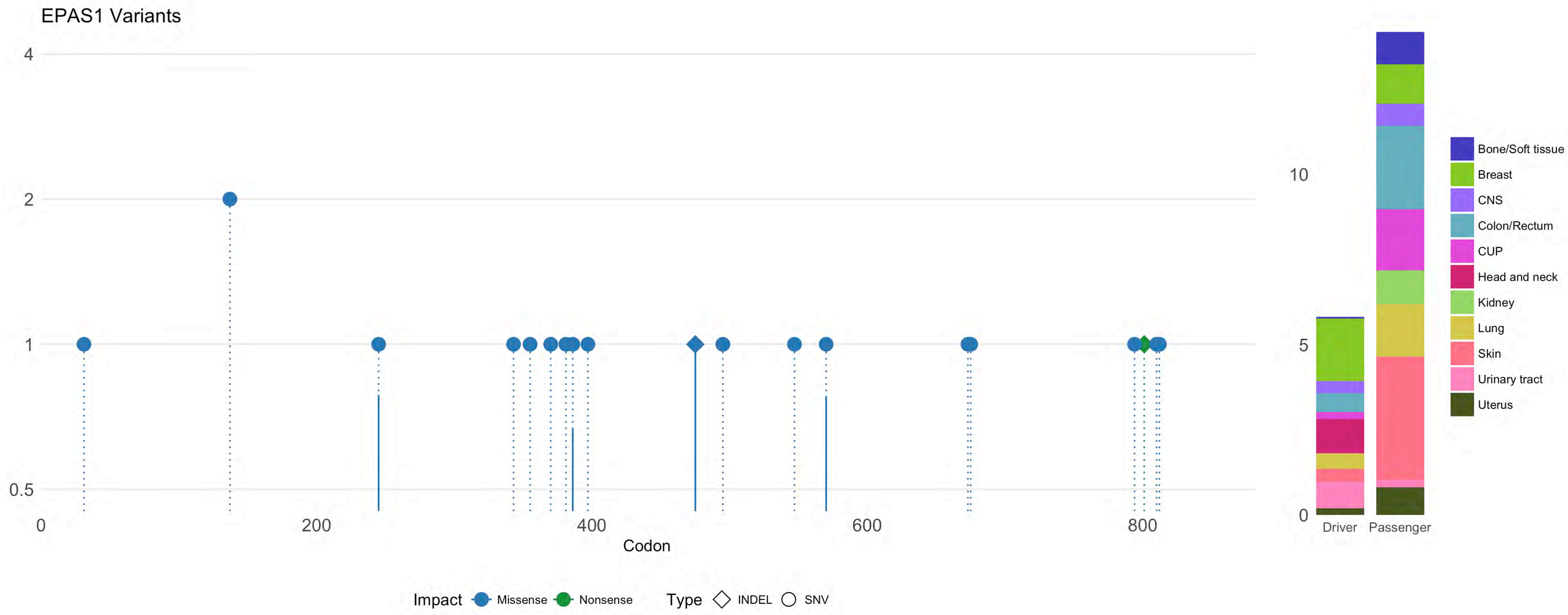

CXCR4 Variants
Codon
Impact Missense
Type SNV
Driver Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Liver
Skin
Urinary tract

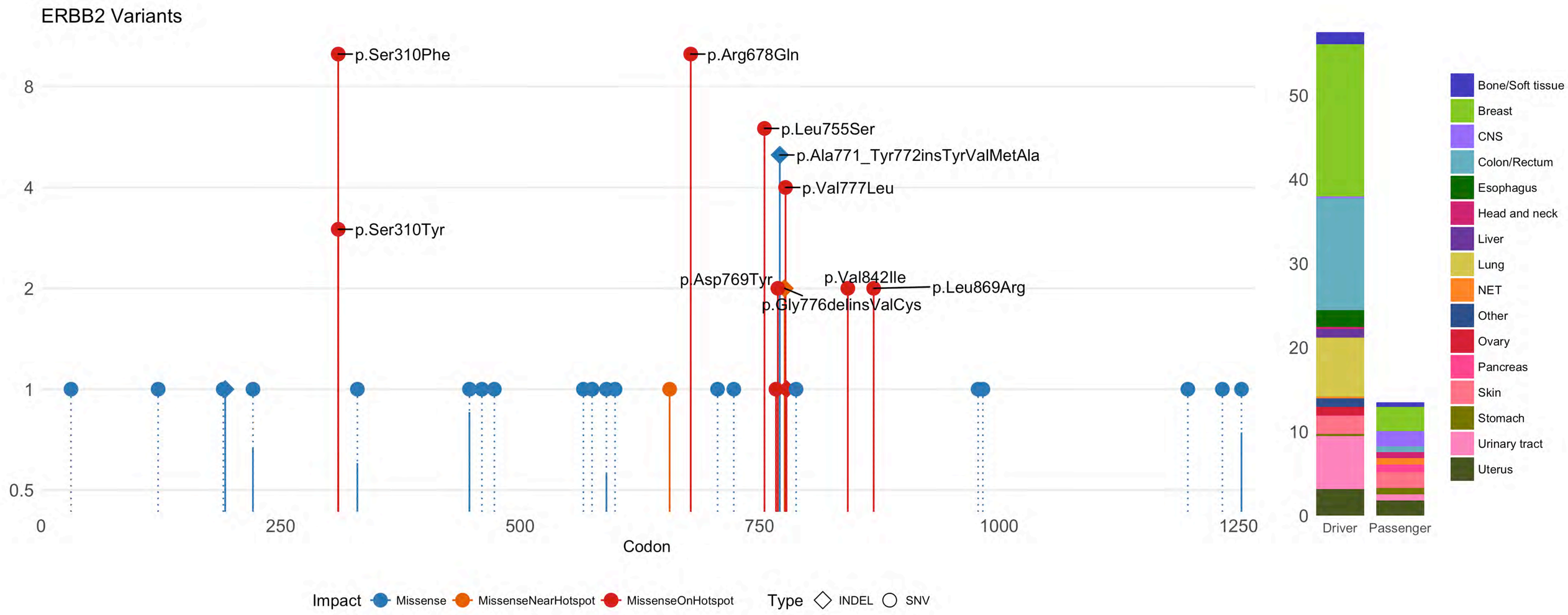

DDR2 Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Bone/Soft tissue
Breast
Colon/Rectum
CUP
Esophagus
Lung
NET
Other
Skin
Urinary tract

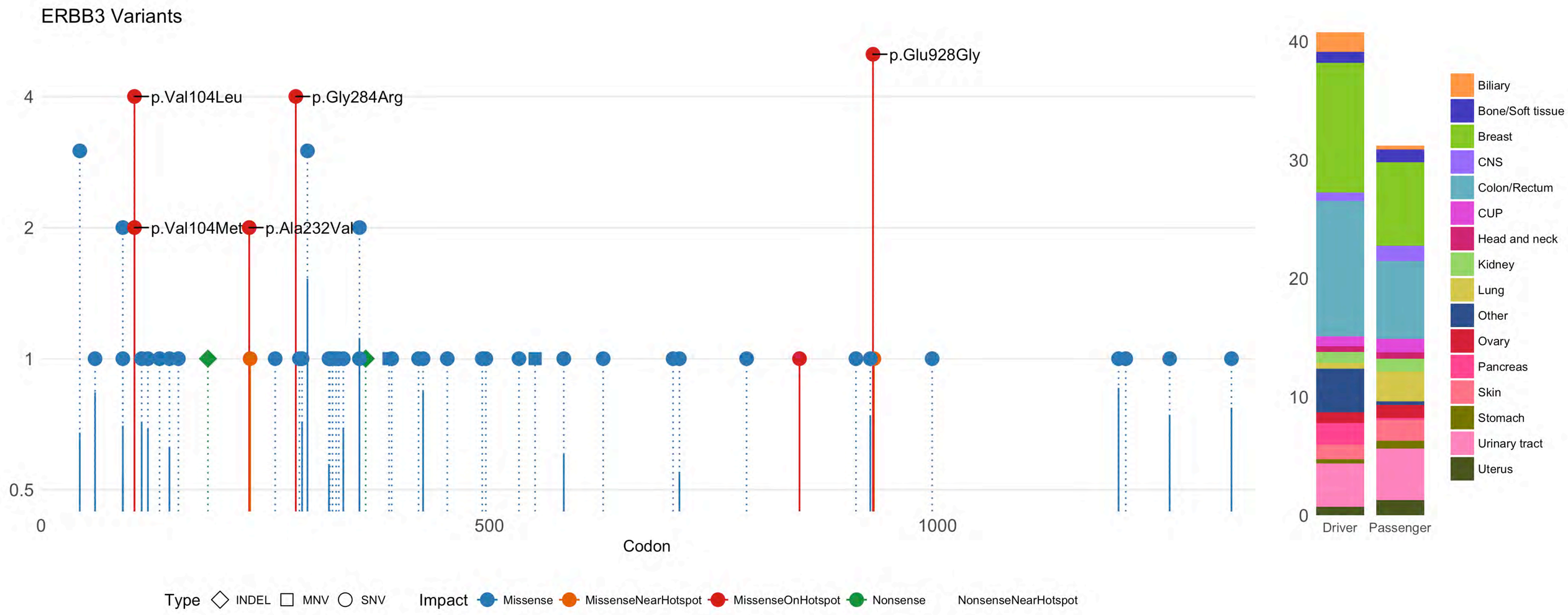

DGCR8 Variants
Codon
Impact Missense
Type SNV
Driver
Passenger
Biliary
Breast
Colon/Rectum
CUP
Lung
Other
Ovary
Prostate
Skin
Urinary tract
Uterus

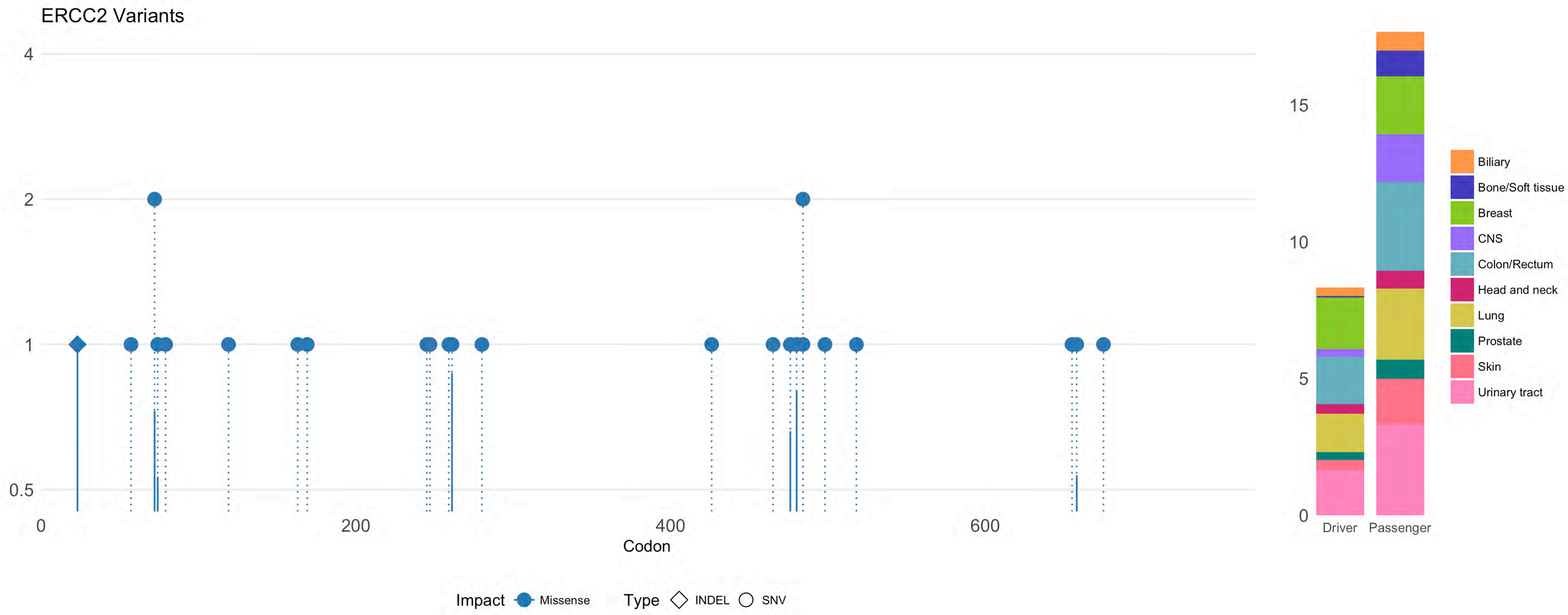

EEF1A1 Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
Esophagus
Head and neck
Lung
Prostate
Skin
Urinary tract

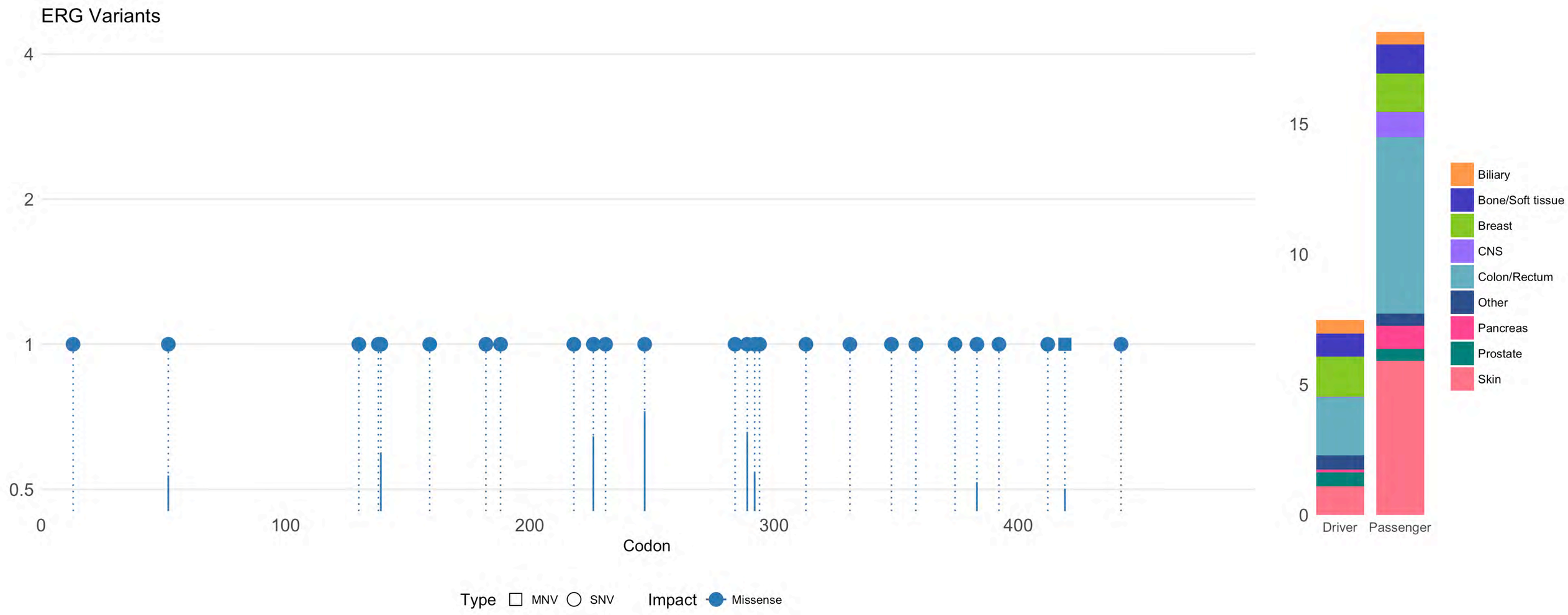

EGFR Variants
p.Thr790Met
p.Leu858Arg
p.Glu746_Ala750del
p.Arg108Lys
Codon
Type INDEL MNV SNV
Impact Missense MissenseOnHotspot NonsenseNearHotspot
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Head and neck
Kidney
Lung
NET
Pancreas
Prostate
Skin
Urinary tract

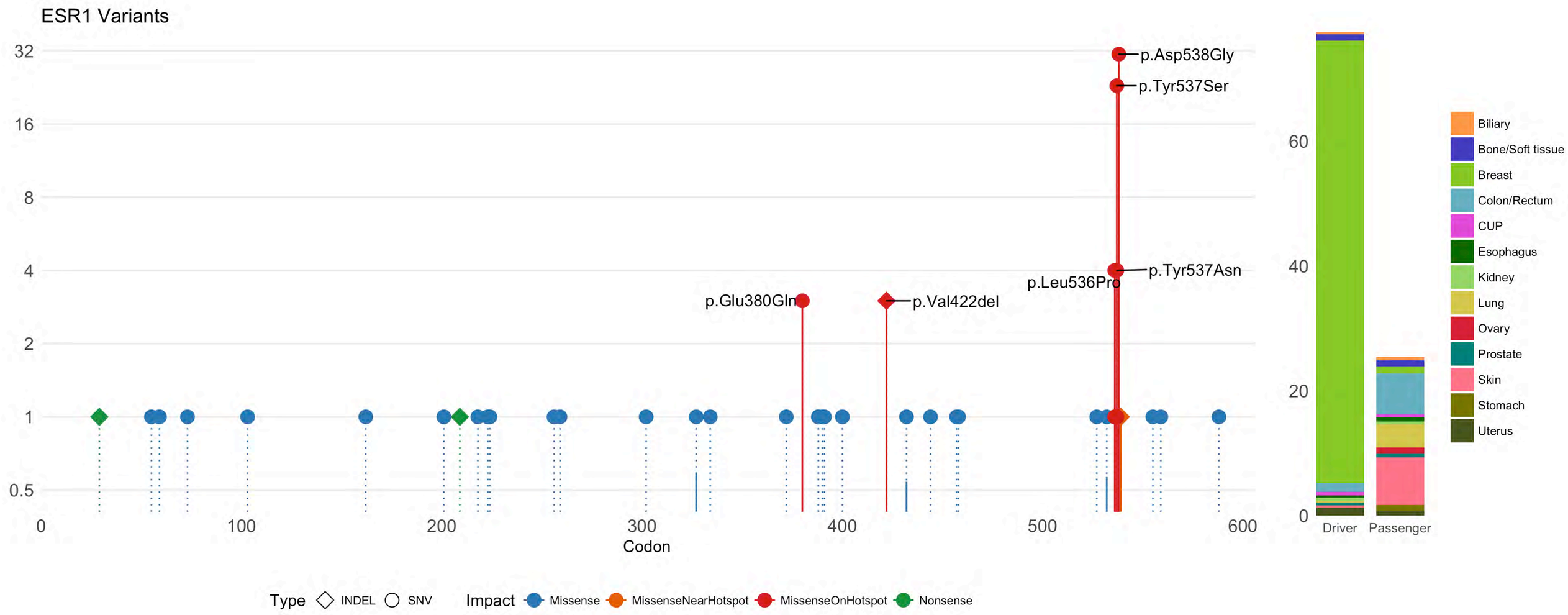

EPAS1 Variants
Codon
Impact
Missense
Nonsense
Type
INDEL
SNV
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Head and neck
Kidney
Lung
Skin
Urinary tract
Uterus

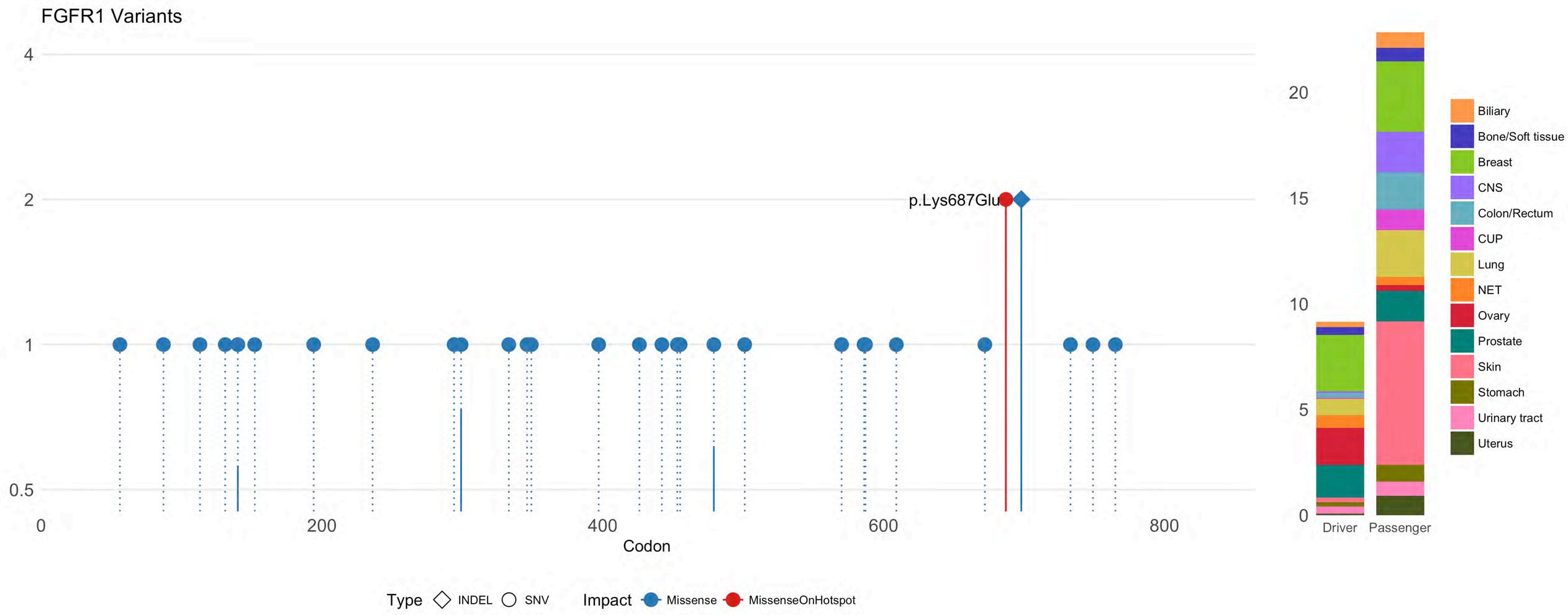

ERBB2 Variants
p.Ser310Phe
p.Arg678Gln
p.Leu755Ser
p.Ala771_Tyr772insTyrValMetAla
p.Val777Leu
p.Ser310Tyr
p.Asp769Tyr
p.Val842Ile
p.Leu869Arg
p.Gly776delinsValCys
Codon
Impact
Missense
MissenseNearHotspot
MissenseOnHotspot
Type
INDEL
SNV
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
Esophagus
Head and neck
Liver
Lung
NET
Other
Ovary
Pancreas
Skin
Stomach
Urinary tract
Uterus

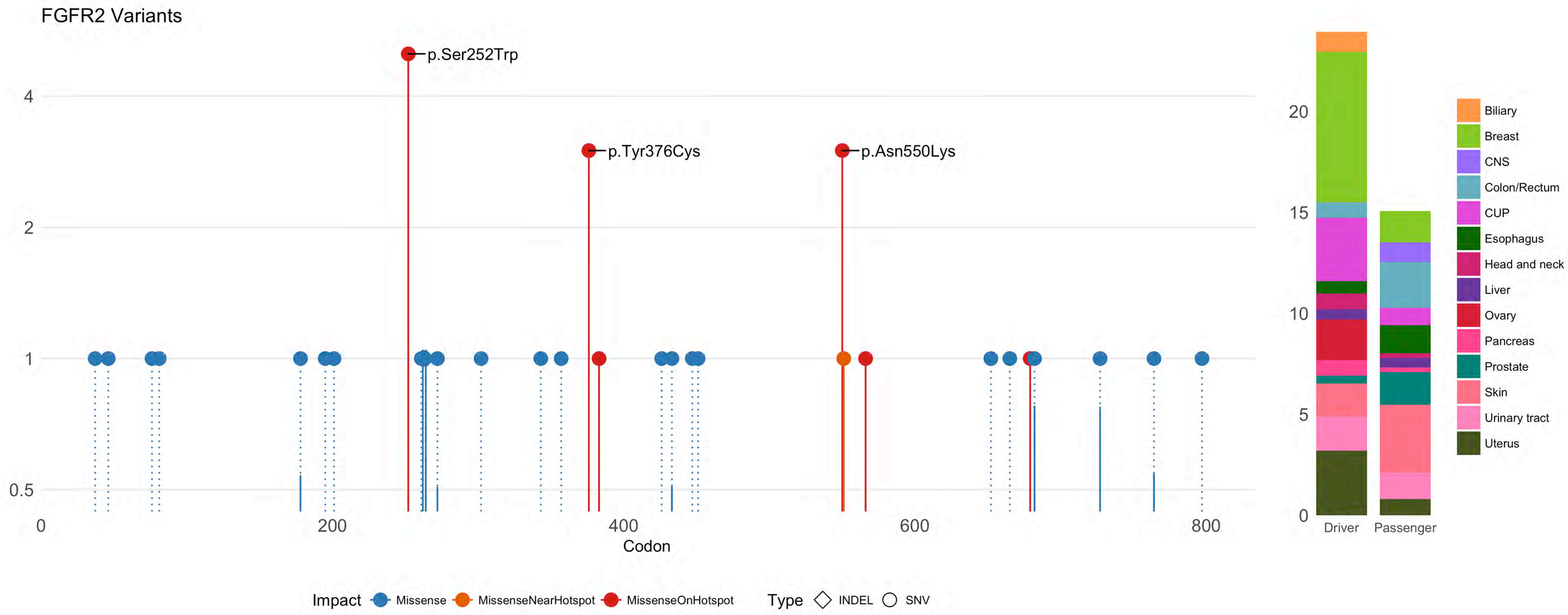

ERBB3 Variants
p.Glu928Gly
p.Val104Leu
p.Gly284Arg
p.Val104Met
p.Ala232Val
Codon
Type
INDEL
MNV
SNV
Impact
Missense
MissenseNearHotspot
MissenseOnHotspot
Nonsense
NonsenseNearHotspot
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Head and neck
Kidney
Lung
Other
Ovary
Pancreas
Skin
Stomach
Urinary tract
Uterus

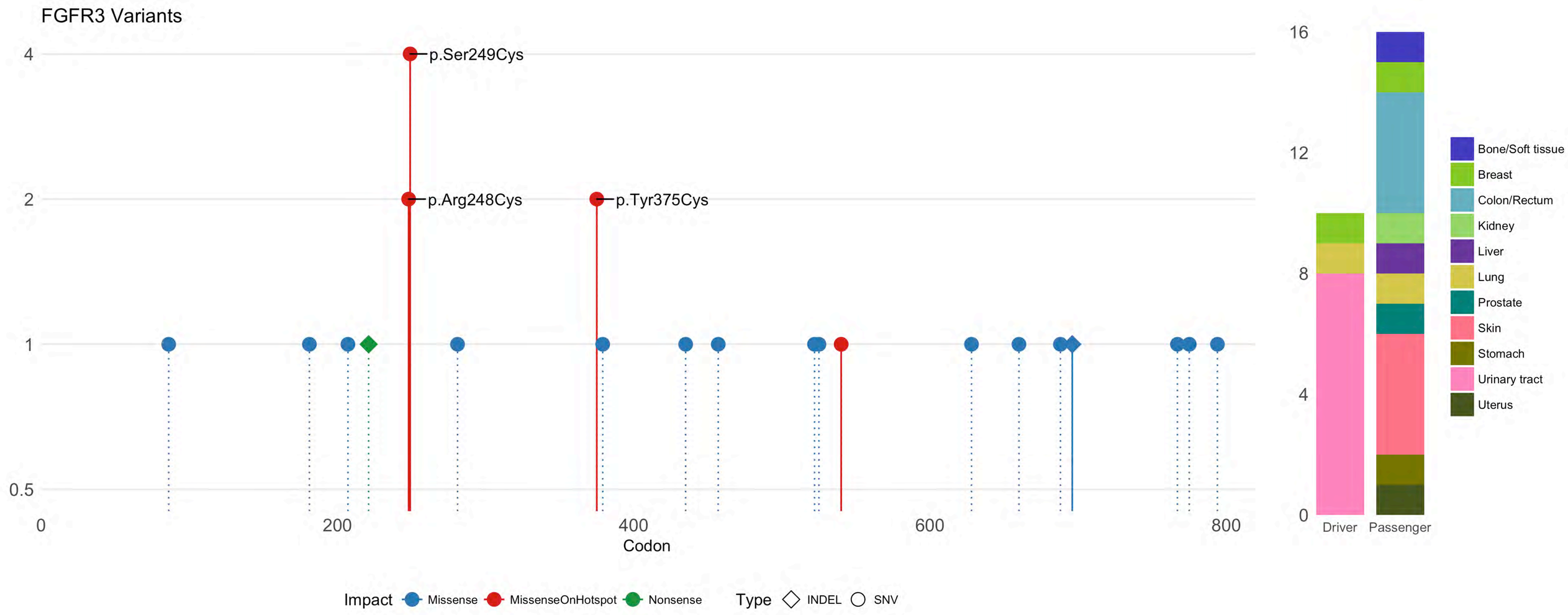

ERCC2 Variants
Codon
Impact
Missense
Type
INDEL
SNV
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
CNS
Colon/Rectum
Head and neck
Lung
Prostate
Skin
Urinary tract

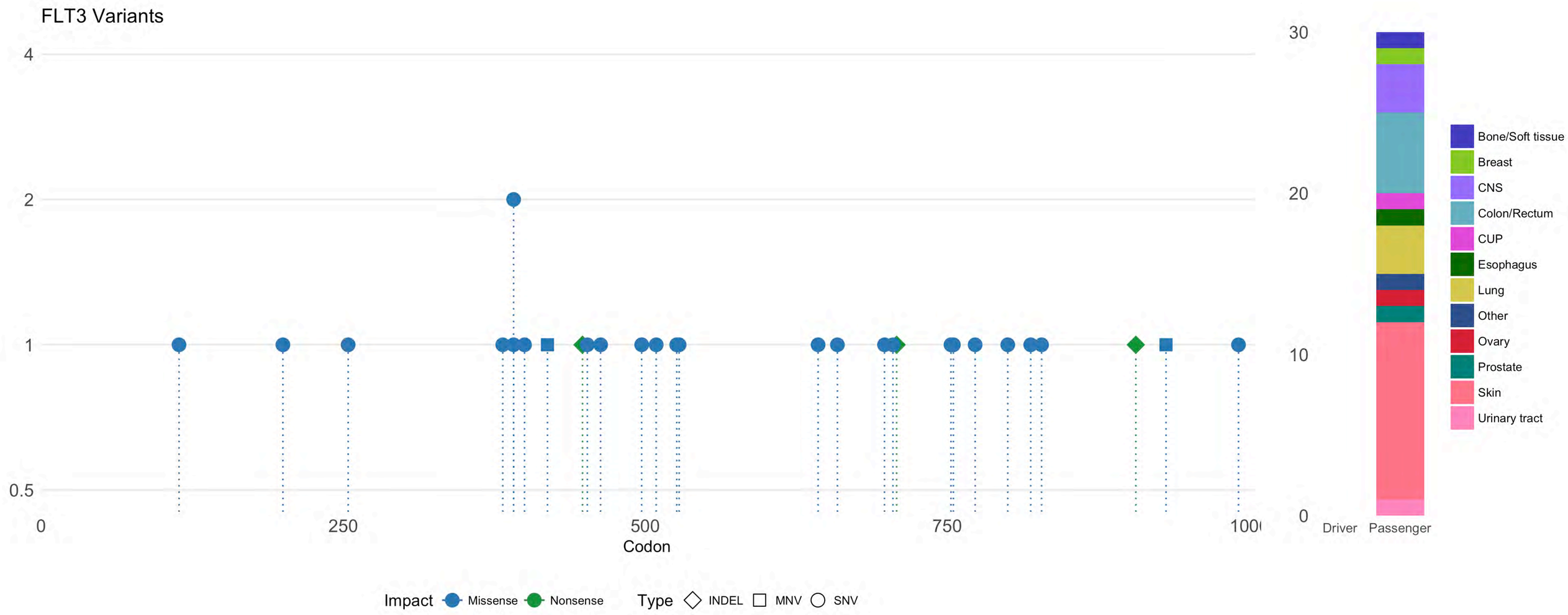

ERG Variants
Codon
Type MNV SNV
Impact Missense
Biliary
Bone/Soft tissue
Breast
CNS
Colon/Rectum
Other
Pancreas
Prostate
Skin
Driver
Passenger

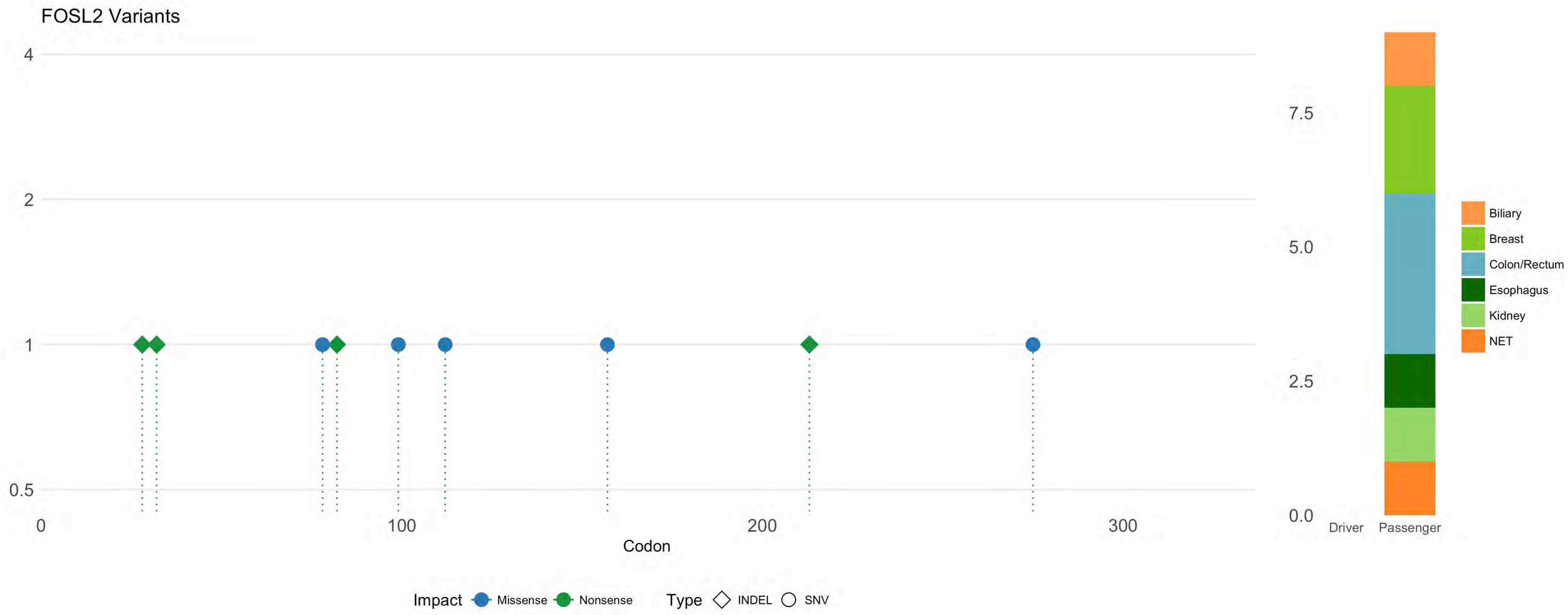

ESR1 Variants
p.Asp538Gly
p.Tyr537Ser
p.Tyr537Asn
p.Leu536Pro
p.Glu380Gln
p.Val422del
Codon
Type INDEL SNV
Impact Missense MissenseNearHotspot MissenseOnHotspot Nonsense
Biliary
Bone/Soft tissue
Breast
Colon/Rectum
CUP
Esophagus
Kidney
Lung
Ovary
Prostate
Skin
Stomach
Uterus
Driver
Passenger

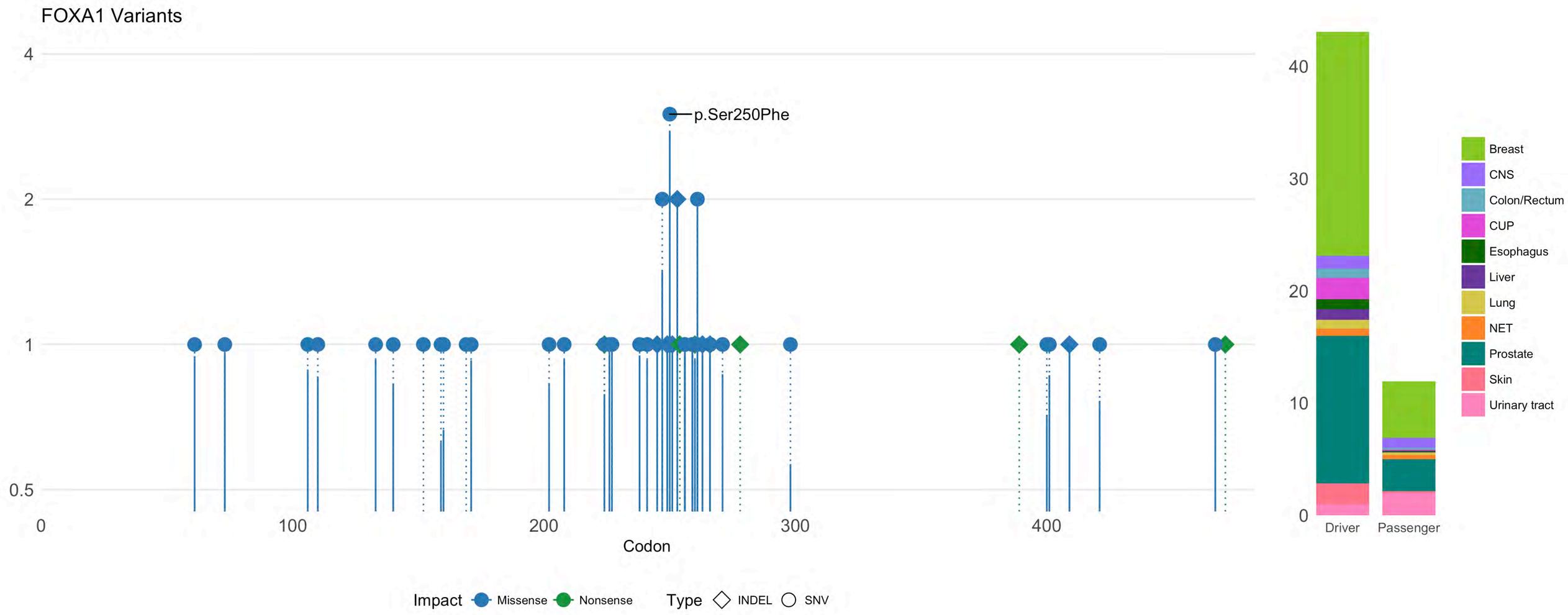

FGFR1 Variants
p.Lys687Glu
Codon
Type INDEL SNV
Impact Missense MissenseOnHotspot
Biliary
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Lung
NET
Ovary
Prostate
Skin
Stomach
Urinary tract
Uterus
Driver
Passenger

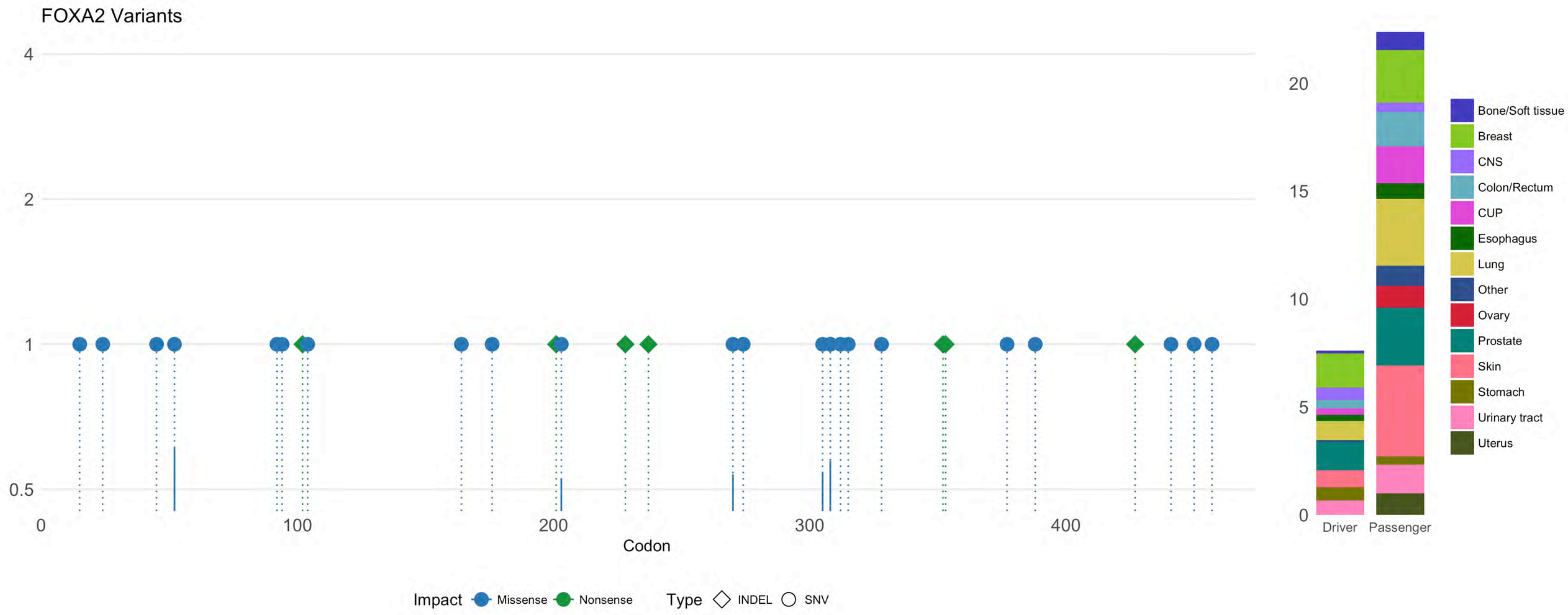

FGFR2 Variants
p.Ser252Trp
p.Tyr376Cys
p.Asn550Lys
Codon
Impact Missense MissenseNearHotspot MissenseOnHotspot
Type INDEL SNV
Biliary
Breast
CNS
Colon/Rectum
CUP
Esophagus
Head and neck
Liver
Ovary
Pancreas
Prostate
Skin
Urinary tract
Uterus
Driver
Passenger

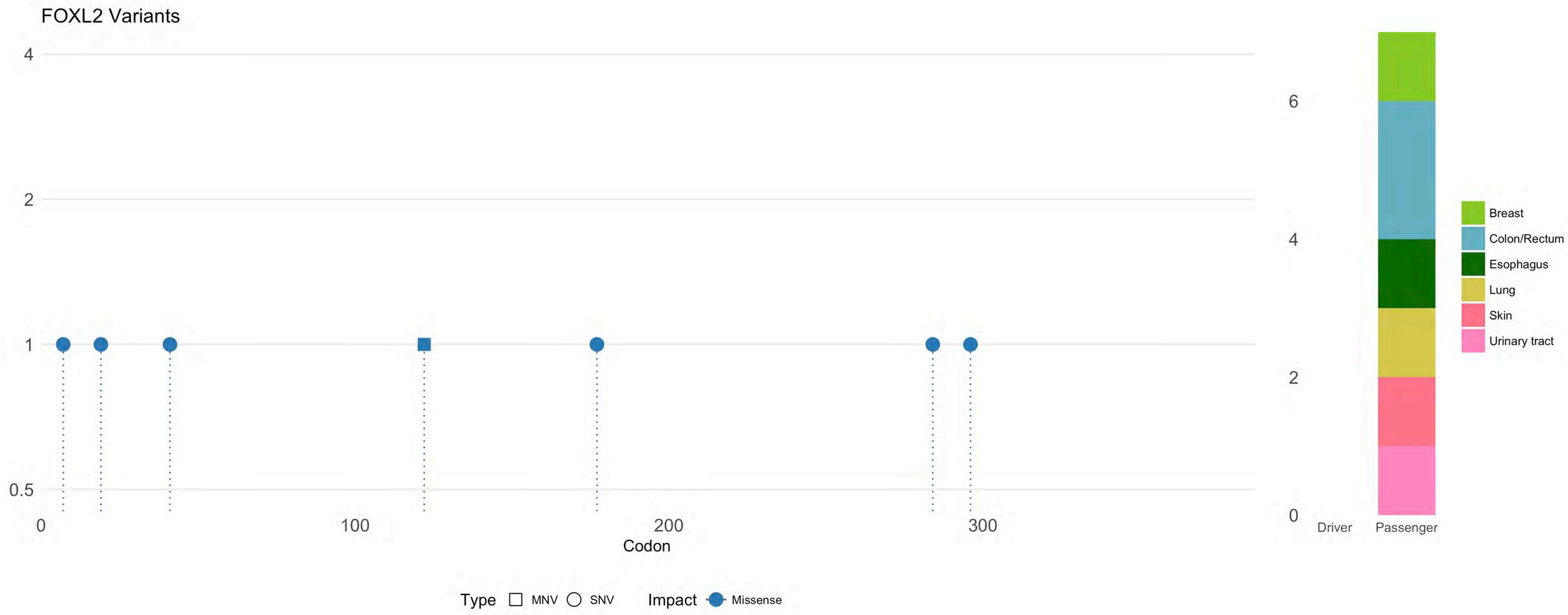

FGFR3 Variants
p.Ser249Cys
p.Arg248Cys
p.Tyr375Cys
Codon
Driver
Passenger
Bone/Soft tissue
Breast
Colon/Rectum
Kidney
Liver
Lung
Prostate
Skin
Stomach
Urinary tract
Uterus
Impact
Missense
MissenseOnHotspot
Nonsense
Type
INDEL
SNV

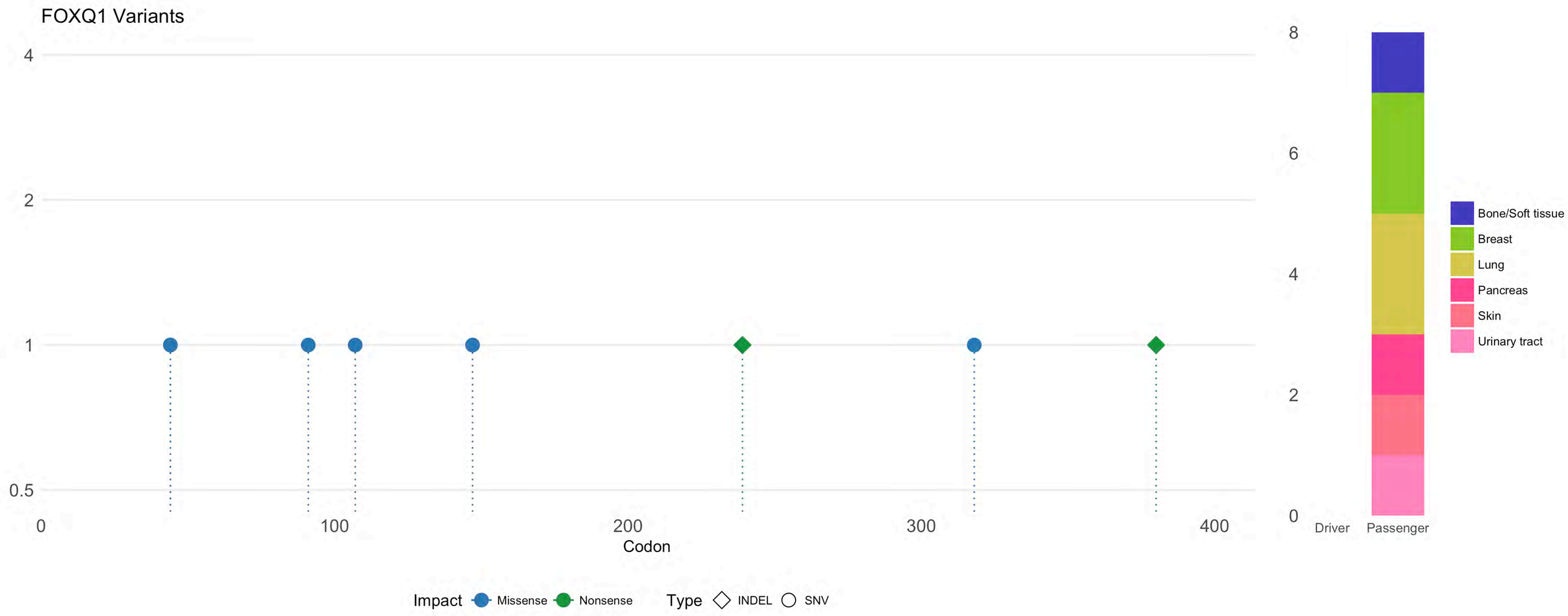

FLT3 Variants
Codon
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Lung
Other
Ovary
Prostate
Skin
Urinary tract
Impact
Missense
Nonsense
Type
INDEL
MNV
SNV

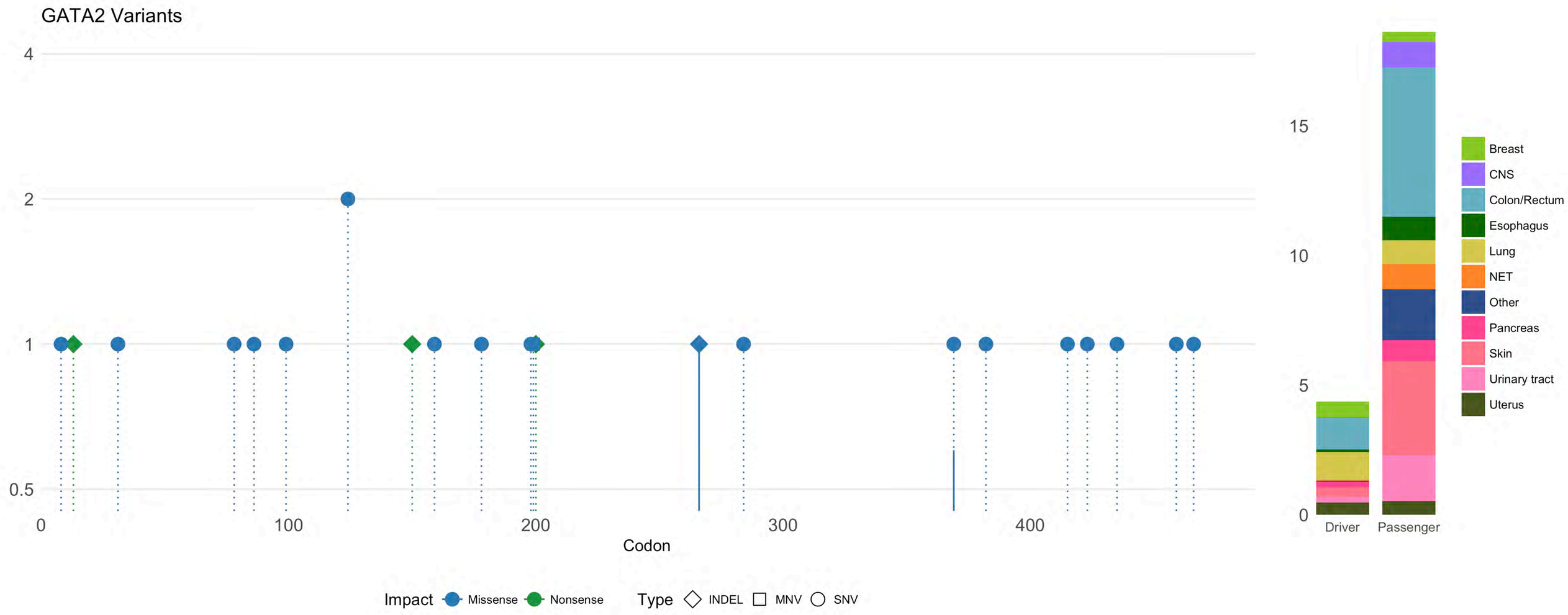

FOSL2 Variants
Codon
Driver
Passenger
Biliary
Breast
Colon/Rectum
Esophagus
Kidney
NET
Impact
Missense
Nonsense
Type
INDEL
SNV

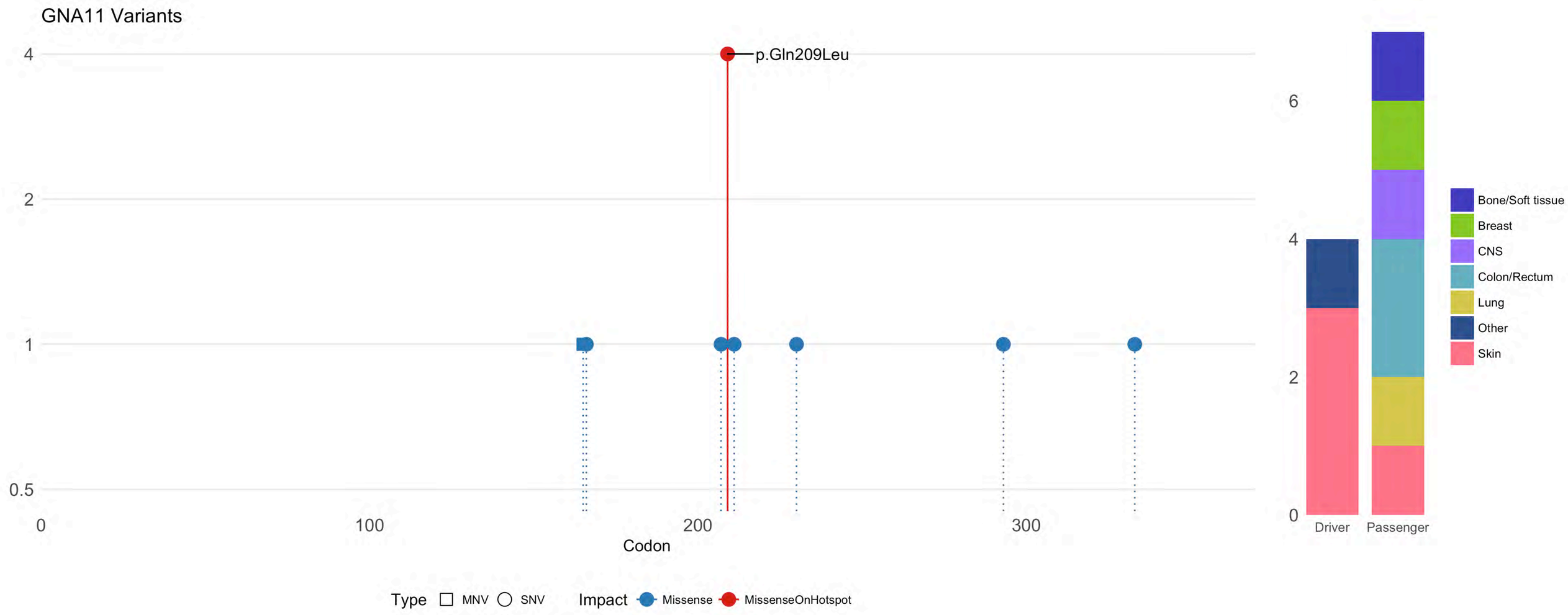

FOXA1 Variants
p.Ser250Phe
Codon
Driver
Passenger
Breast
CNS
Colon/Rectum
CUP
Esophagus
Liver
Lung
NET
Prostate
Skin
Urinary tract
Impact
Missense
Nonsense
Type
INDEL
SNV

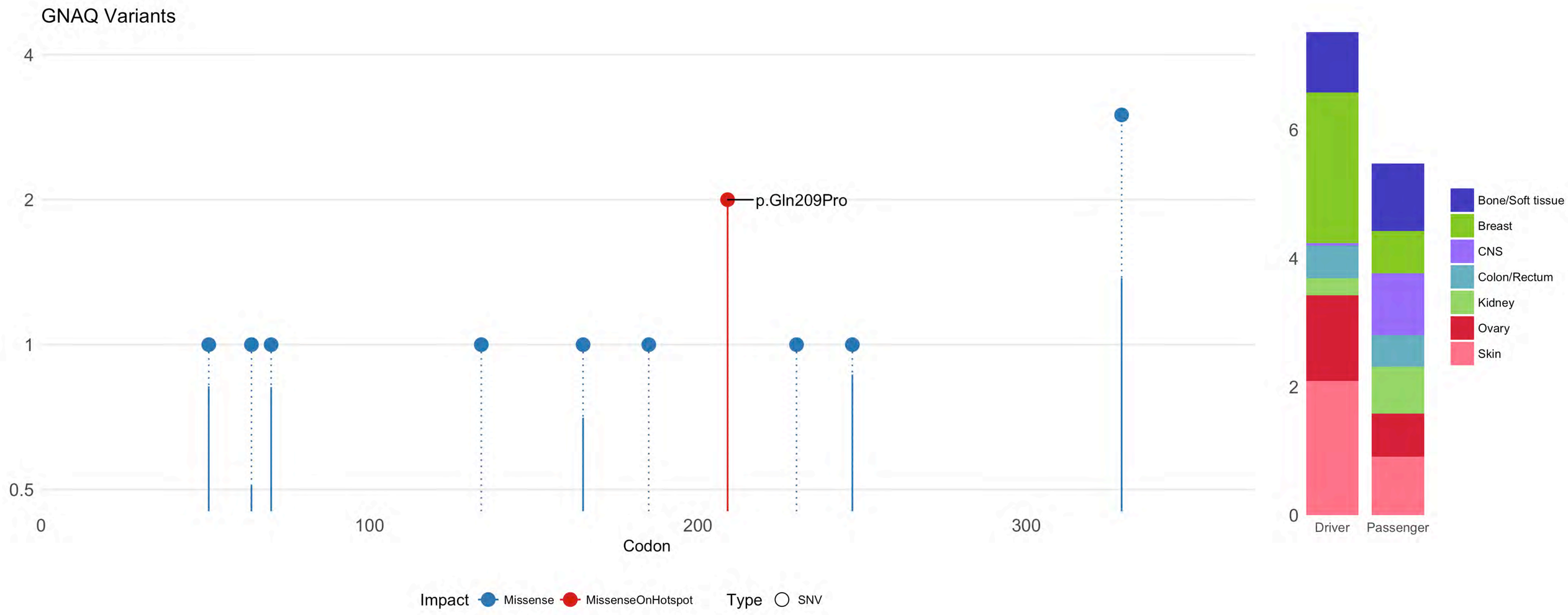

FOXA2 Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Lung
Other
Ovary
Prostate
Skin
Stomach
Urinary tract
Uterus

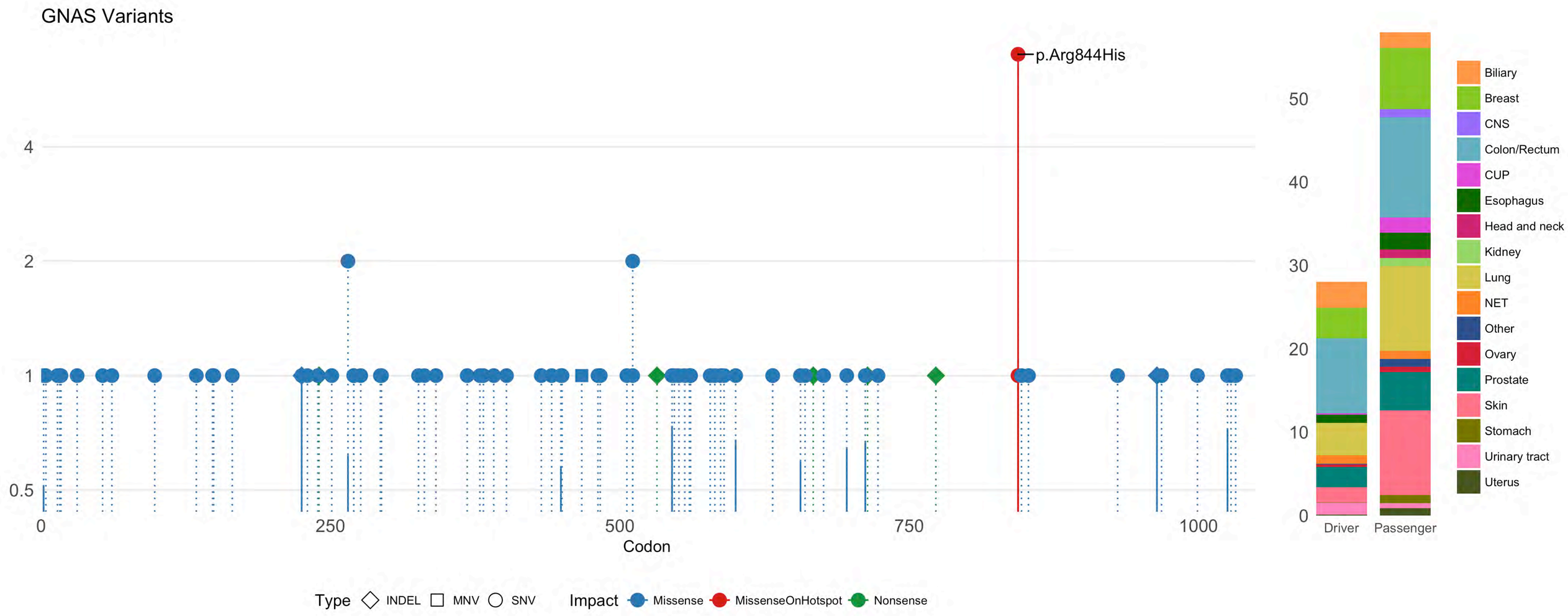

FOXL2 Variants
Codon
Type MNV SNV
Impact Missense
Driver
Passenger
Breast
Colon/Rectum
Esophagus
Lung
Skin
Urinary tract

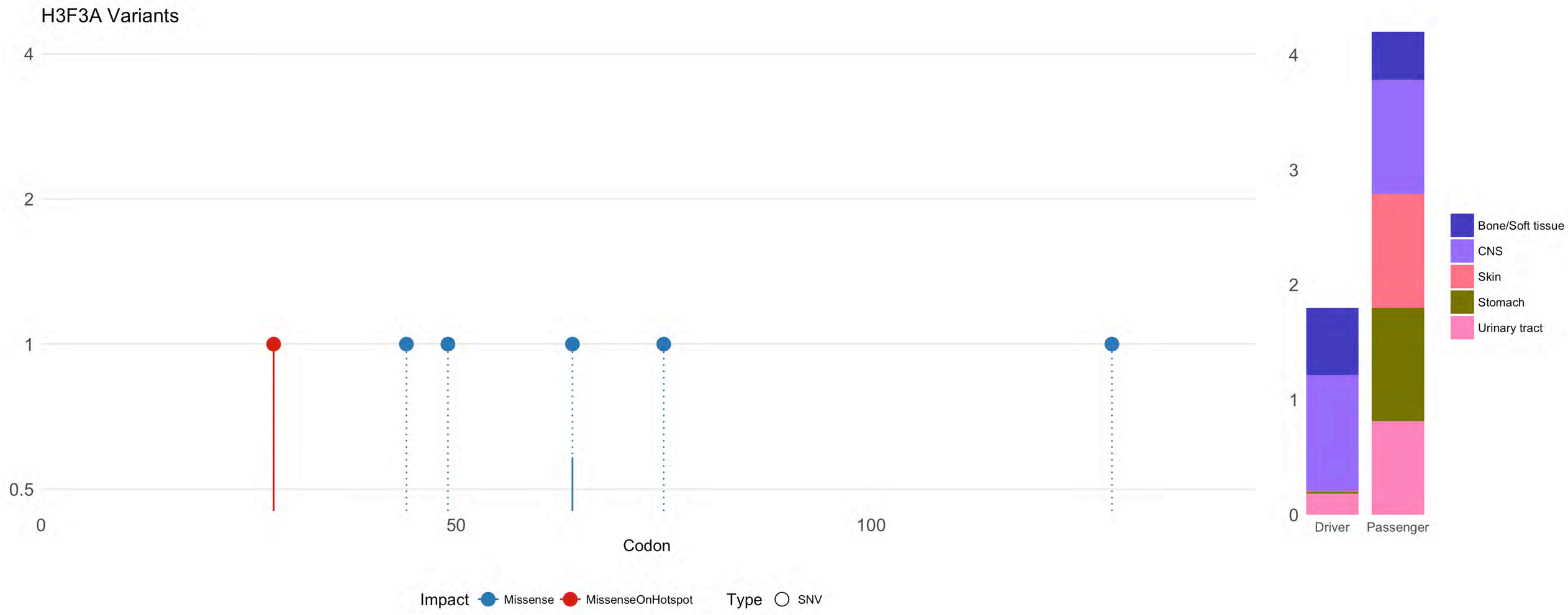

FOXQ1 Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Bone/Soft tissue
Breast
Lung
Pancreas
Skin
Urinary tract

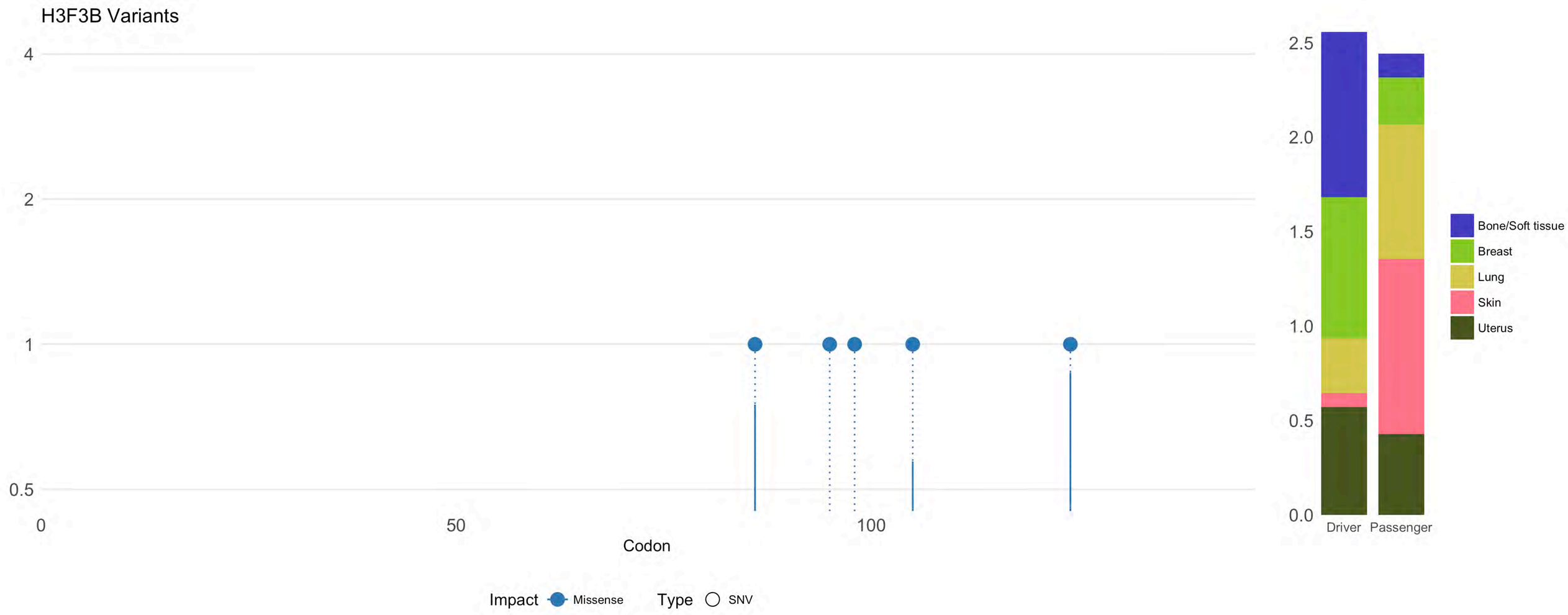

GATA2 Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Driver
Passenger
Breast
CNS
Colon/Rectum
Esophagus
Lung
NET
Other
Pancreas
Skin
Urinary tract
Uterus

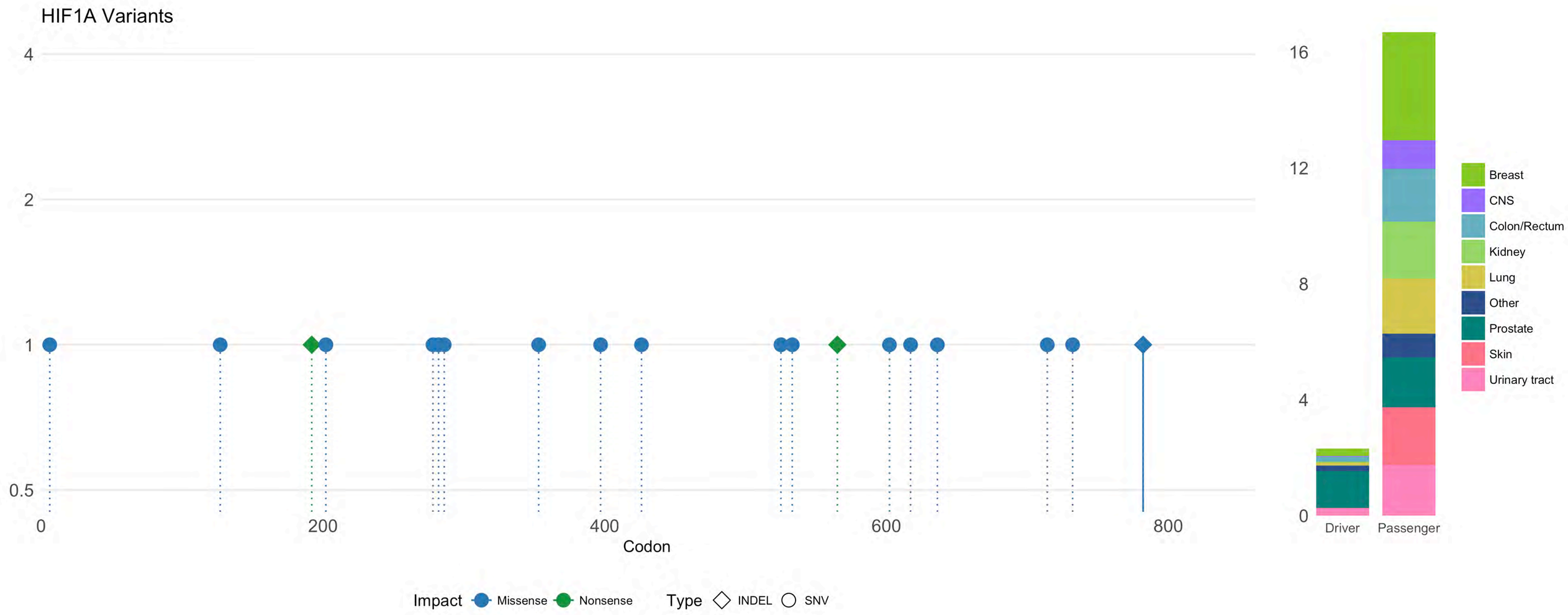

GNA11 Variants
p.Gln209Leu
Codon
Type MNV SNV
Impact Missense MissenseOnHotspot
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
Lung
Other
Skin


GNAQ Variants
p.Gln209Pro
Codon
Impact Missense MissenseOnHotspot
Type SNV
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
Kidney
Ovary
Skin

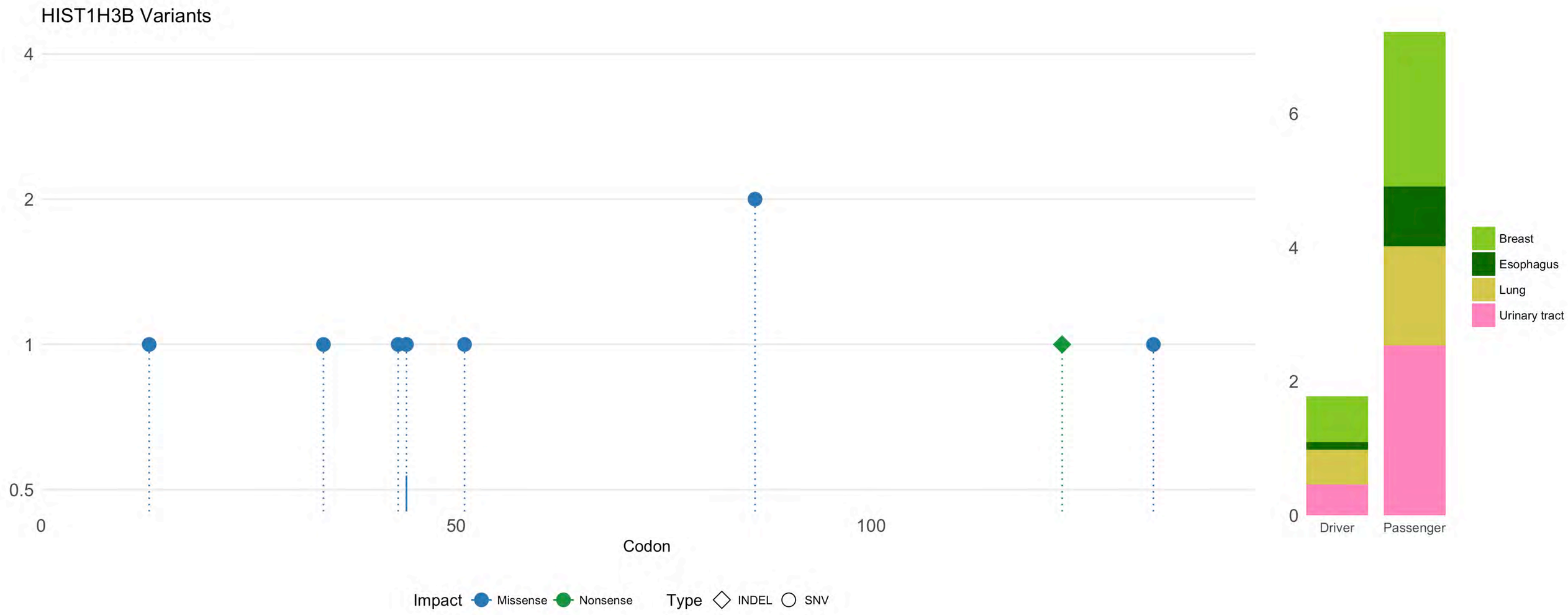

GNAS Variants
p.Arg844His
Codon
Type INDEL MNV SNV
Impact Missense MissenseOnHotspot Nonsense
Driver
Passenger
Biliary
Breast
CNS
Colon/Rectum
CUP
Esophagus
Head and neck
Kidney
Lung
NET
Other
Ovary
Prostate
Skin
Stomach
Urinary tract
Uterus

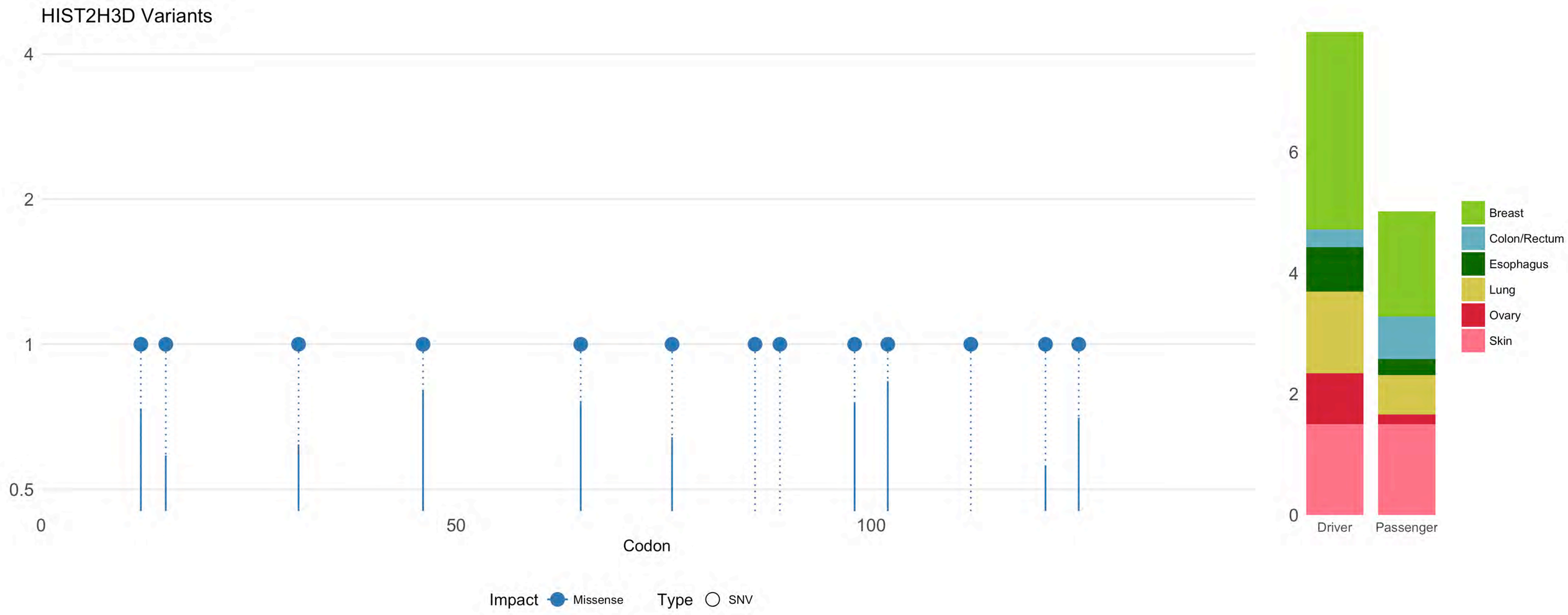

H3F3A Variants
Codon
Impact Missense MissenseOnHotspot
Type SNV
Driver
Passenger
Bone/Soft tissue
CNS
Skin
Stomach
Urinary tract

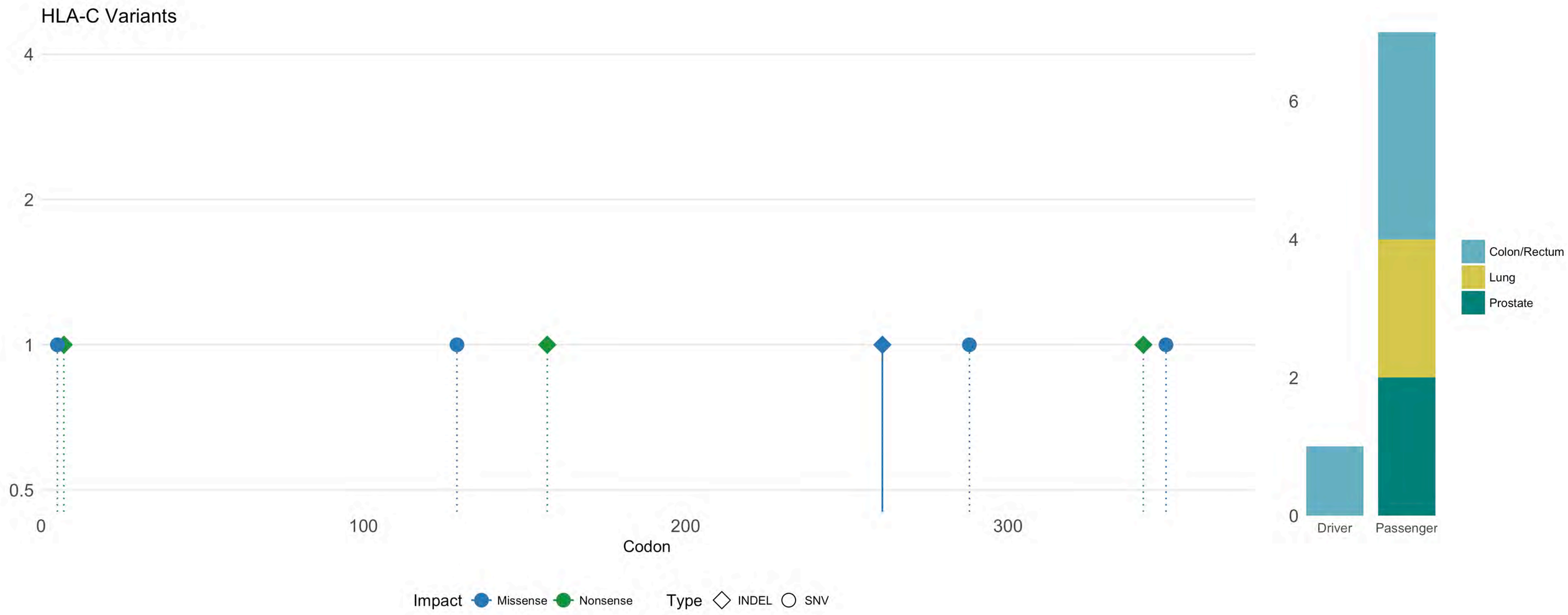

H3F3B Variants
Codon
Impact Missense
Type SNV
Driver
Passenger
Bone/Soft tissue
Breast
Lung
Skin
Uterus

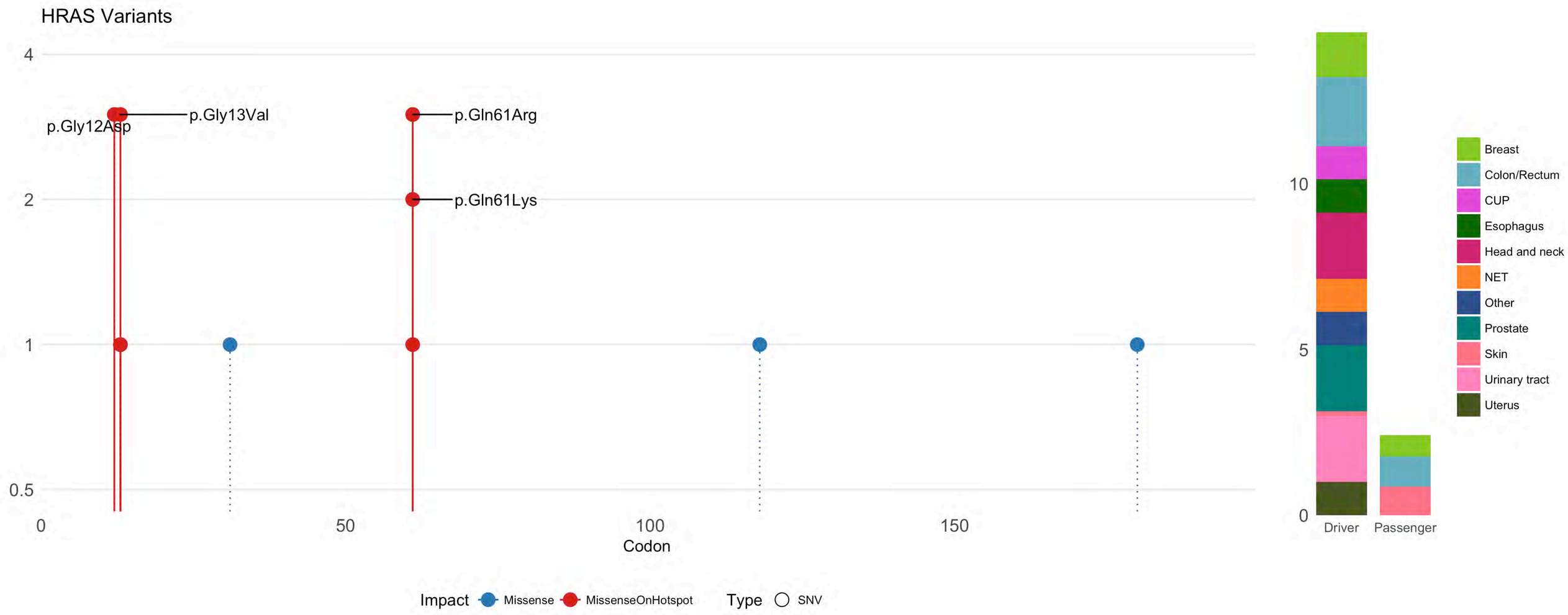

HIF1A Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Breast
CNS
Colon/Rectum
Kidney
Lung
Other
Prostate
Skin
Urinary tract

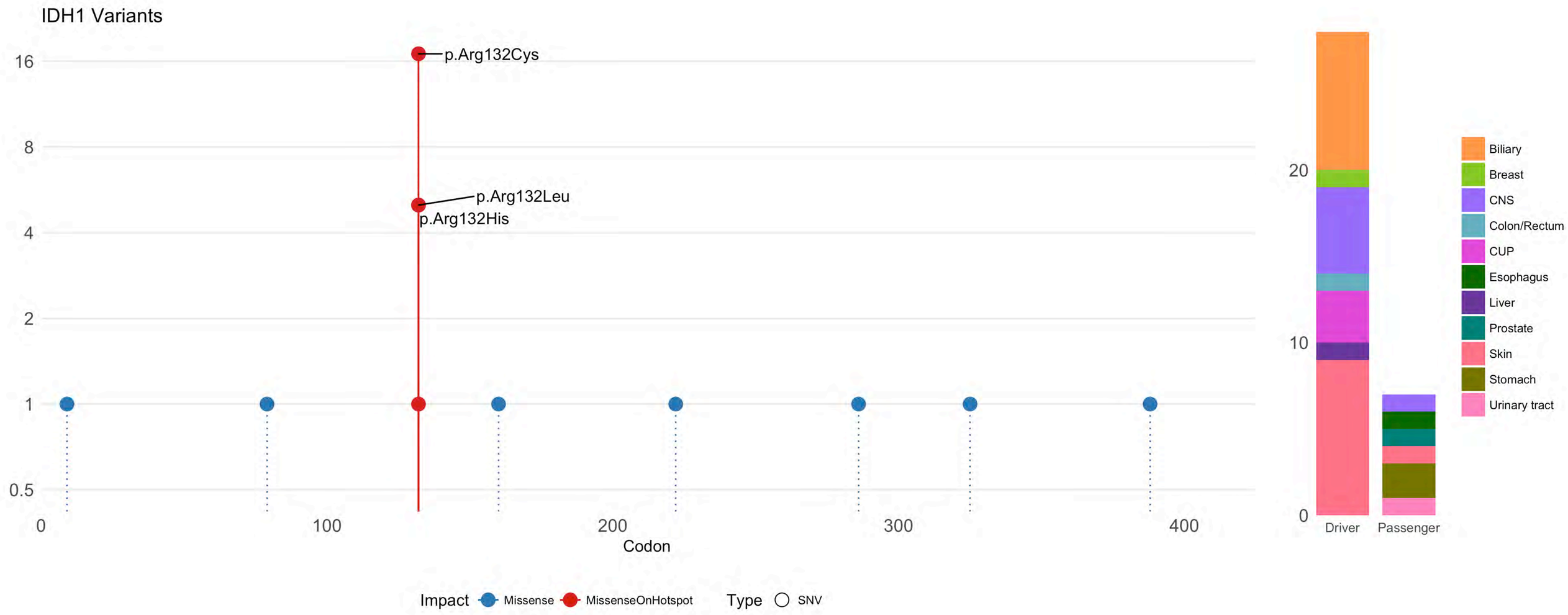
HIST1H1C Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Driver
Passenger
Biliary
Breast
Colon/Rectum
Esophagus
Head and neck
Kidney
Ovary
Prostate
Skin
Urinary tract
Uterus

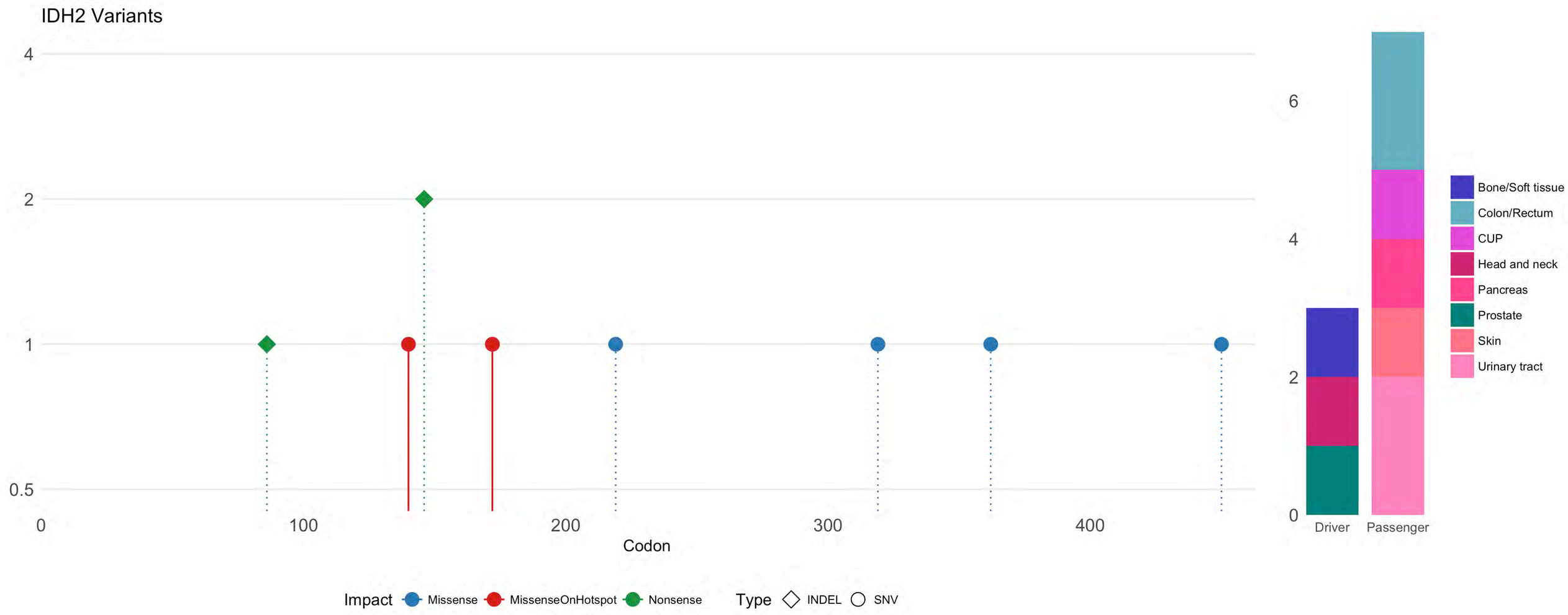

HIST1H3B Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Breast
Esophagus
Lung
Urinary tract

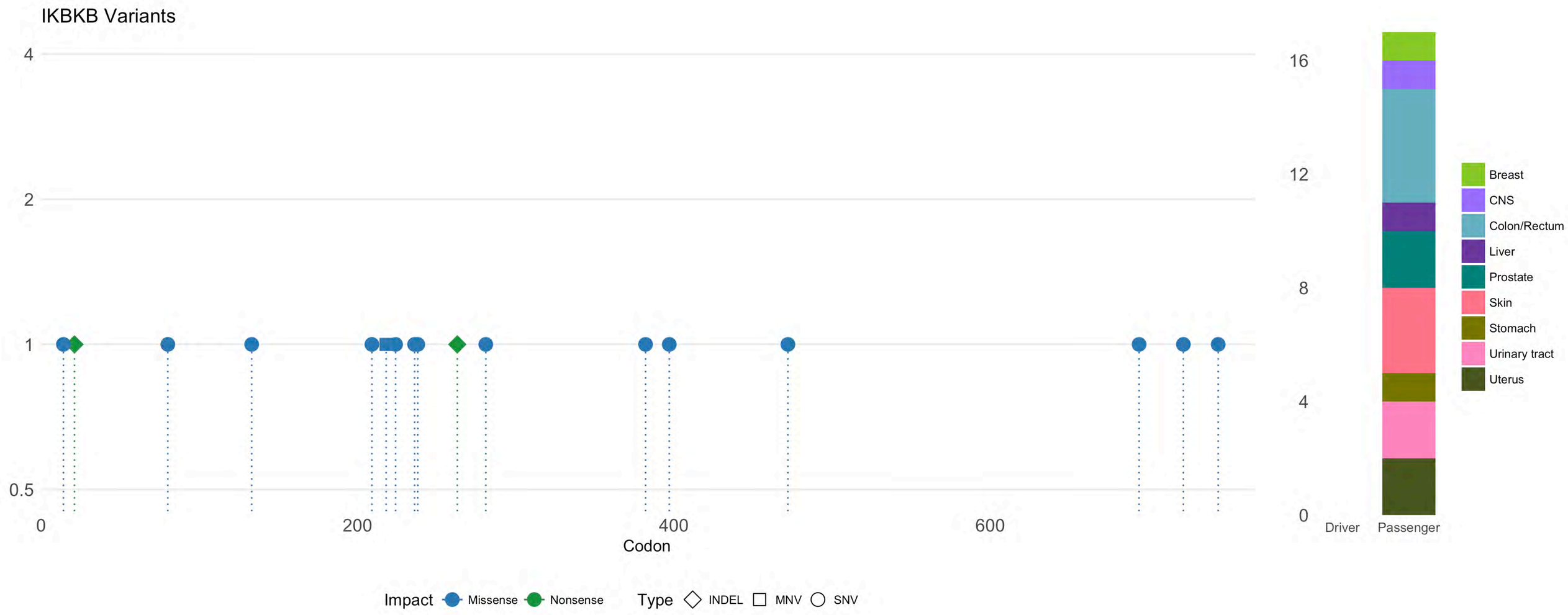

HIST2H3D Variants
Codon
Impact Missense Type SNV
Driver
Passenger
Breast
Colon/Rectum
Esophagus
Lung
Ovary
Skin

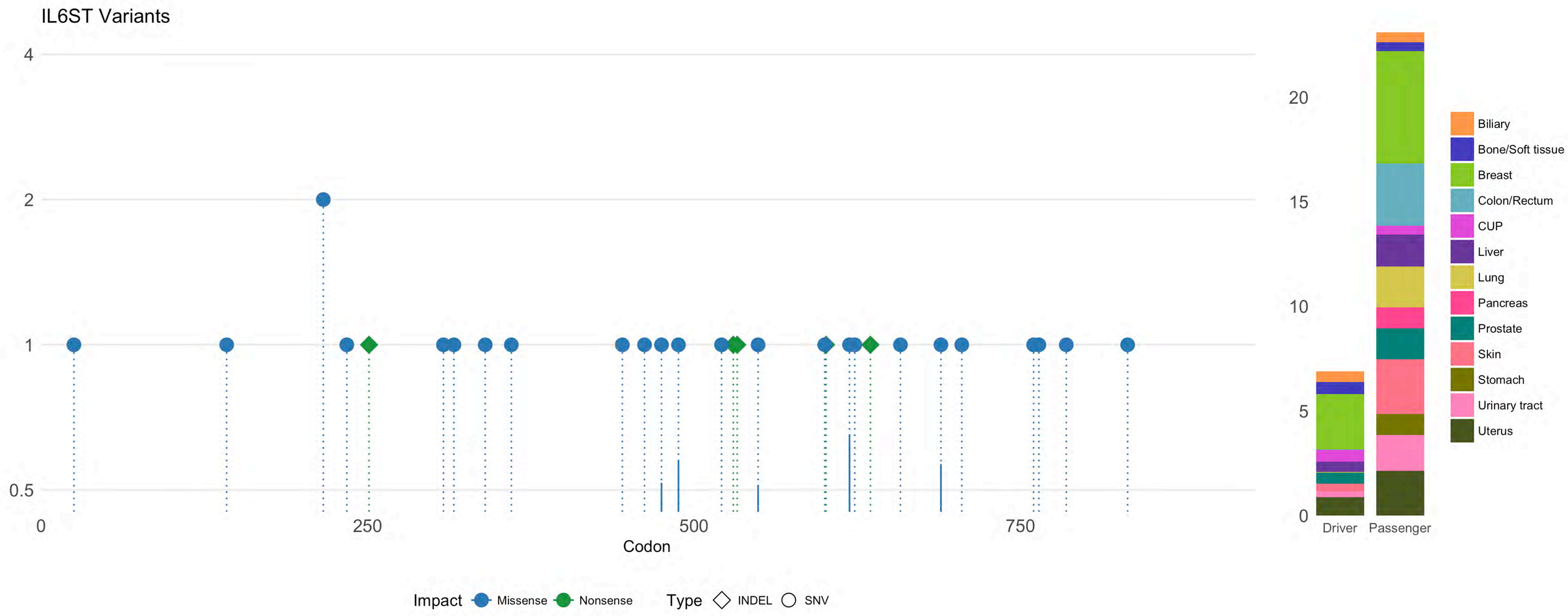

HLA-C Variants
Codon
Impact Missense Nonsense Type INDEL SNV
Driver
Passenger
Colon/Rectum
Lung
Prostate

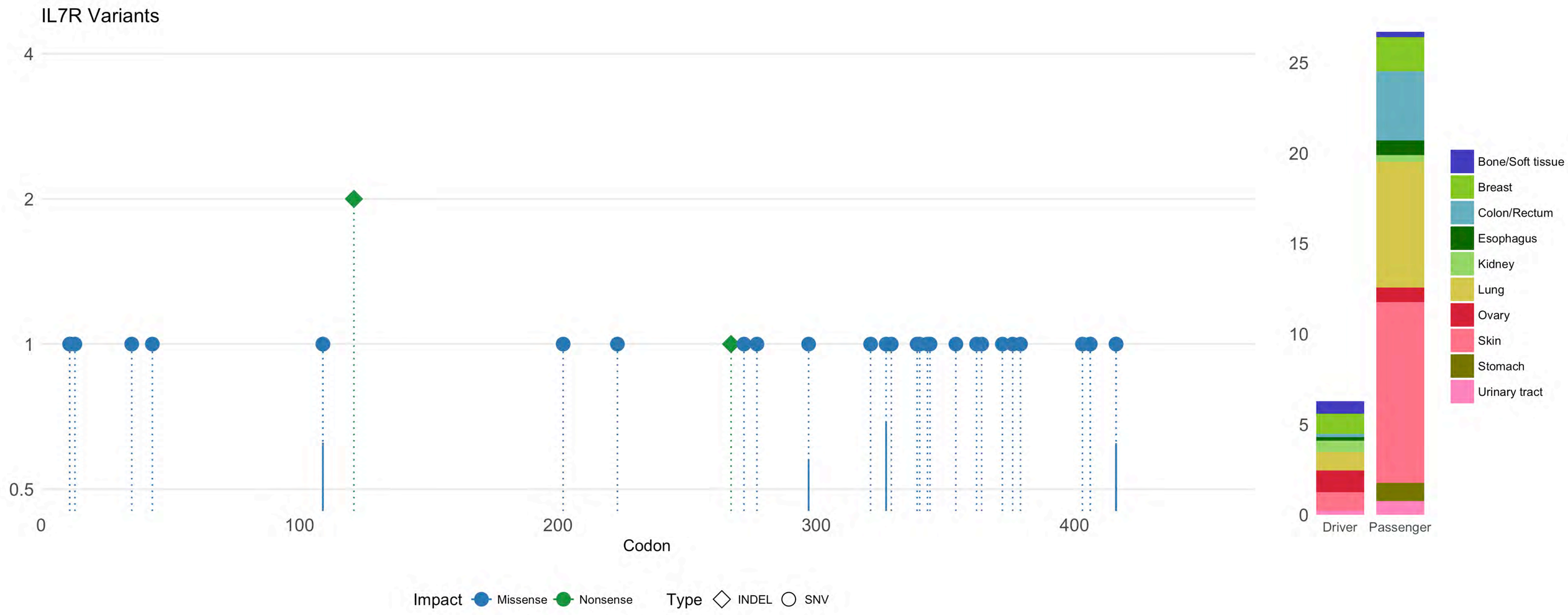

HRAS Variants
p.Gly12Asp
p.Gly13Val
p.Gln61Arg
p.Gln61Lys
Codon
Impact Missense MissenseOnHotspot Type SNV
Driver
Passenger
Breast
Colon/Rectum
CUP
Esophagus
Head and neck
NET
Other
Prostate
Skin
Urinary tract
Uterus

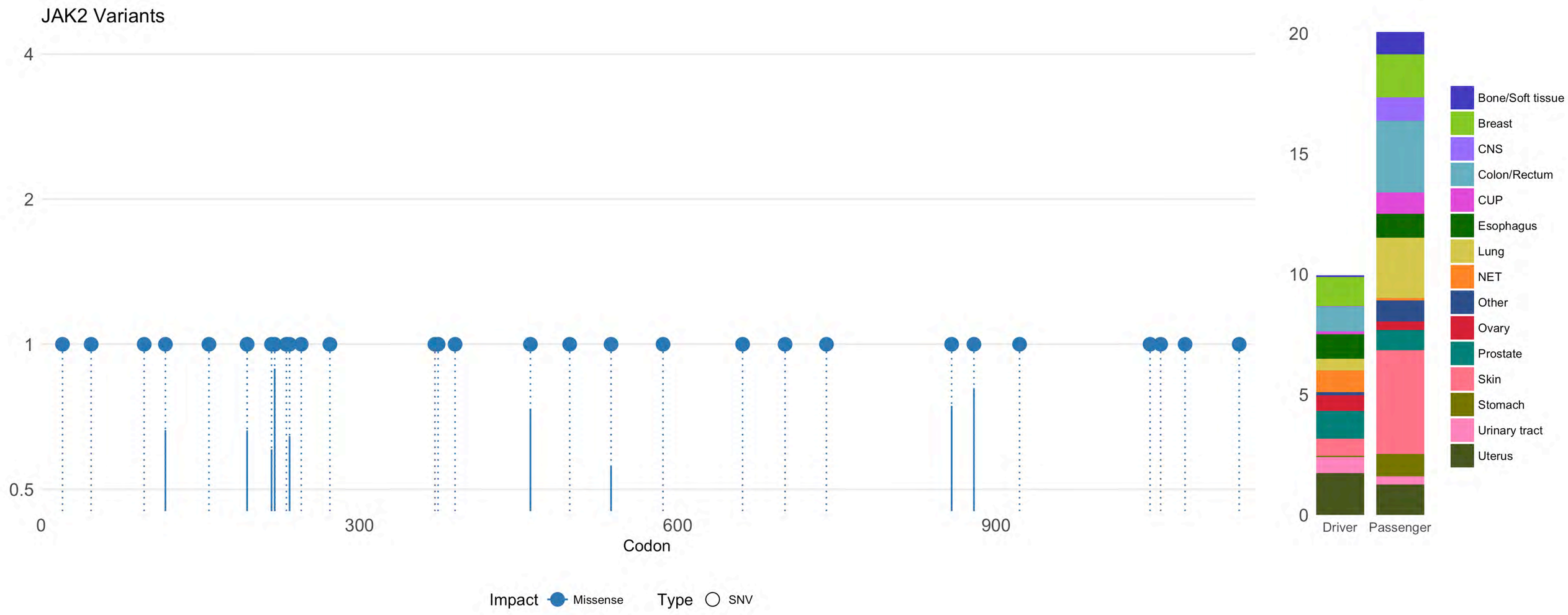

IDH1 Variants
p.Arg132Cys
p.Arg132Leu
p.Arg132His
Codon
Impact Missense MissenseOnHotspot Type SNV
Driver
Passenger
Biliary
Breast
CNS
Colon/Rectum
CUP
Esophagus
Liver
Prostate
Skin
Stomach
Urinary tract

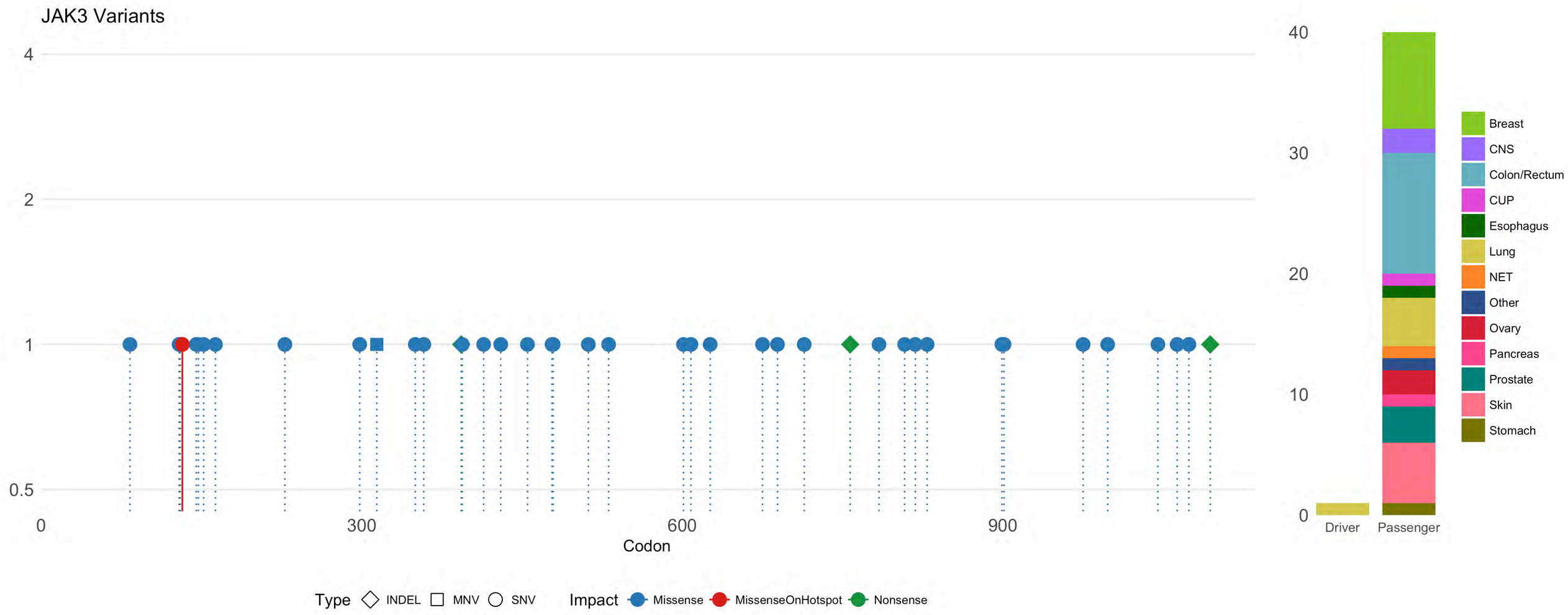

IDH2 Variants
Codon
Impact Missense MissenseOnHotspot Nonsense
Type INDEL SNV
Driver
Passenger
Bone/Soft tissue
Colon/Rectum
CUP
Head and neck
Pancreas
Prostate
Skin
Urinary tract

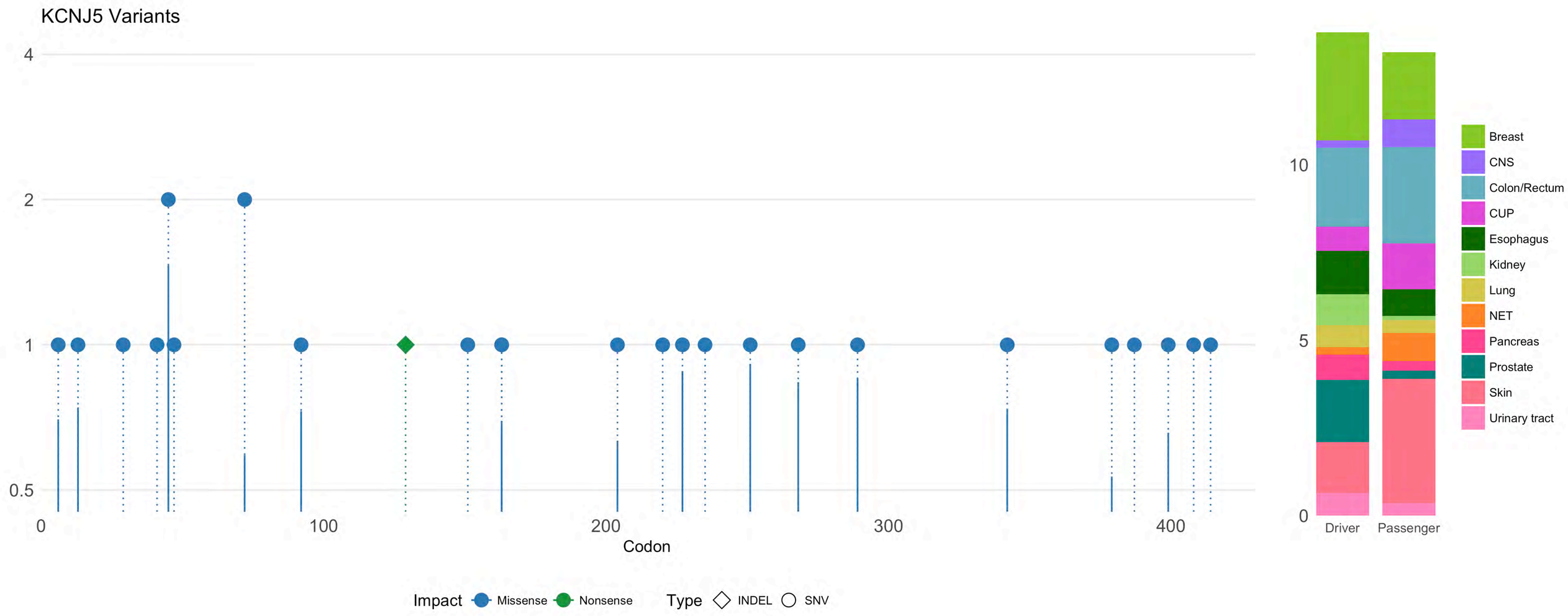

IKBKB Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Driver
Passenger
Breast
CNS
Colon/Rectum
Liver
Prostate
Skin
Stomach
Urinary tract
Uterus

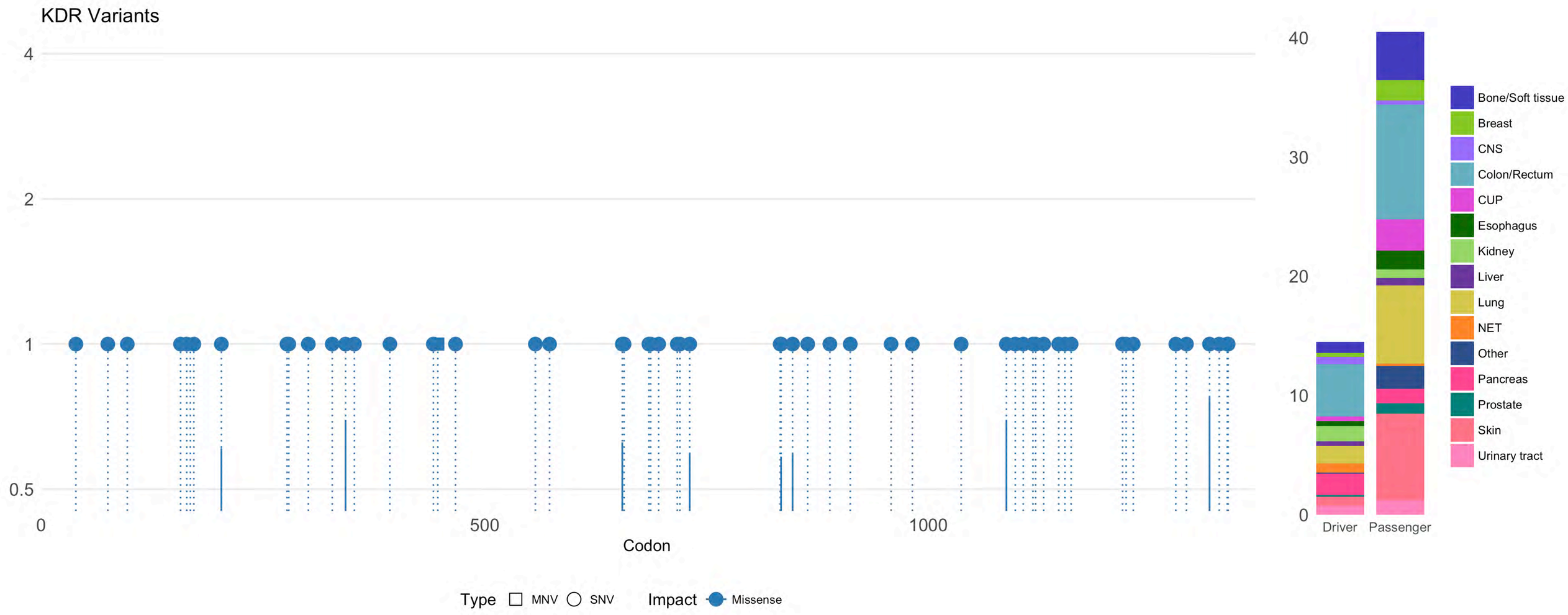

IL6ST Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
Colon/Rectum
CUP
Liver
Lung
Pancreas
Prostate
Skin
Stomach
Urinary tract
Uterus

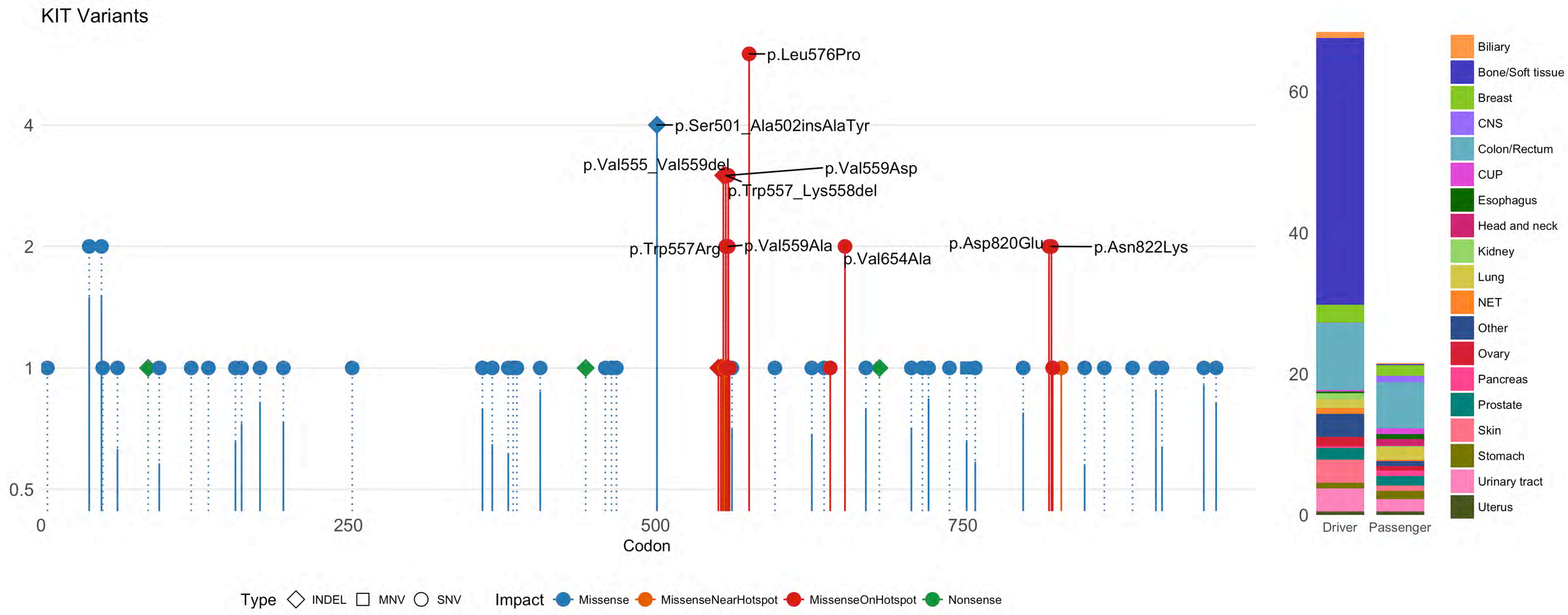

IL7R Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Bone/Soft tissue
Breast
Colon/Rectum
Esophagus
Kidney
Lung
Ovary
Skin
Stomach
Urinary tract

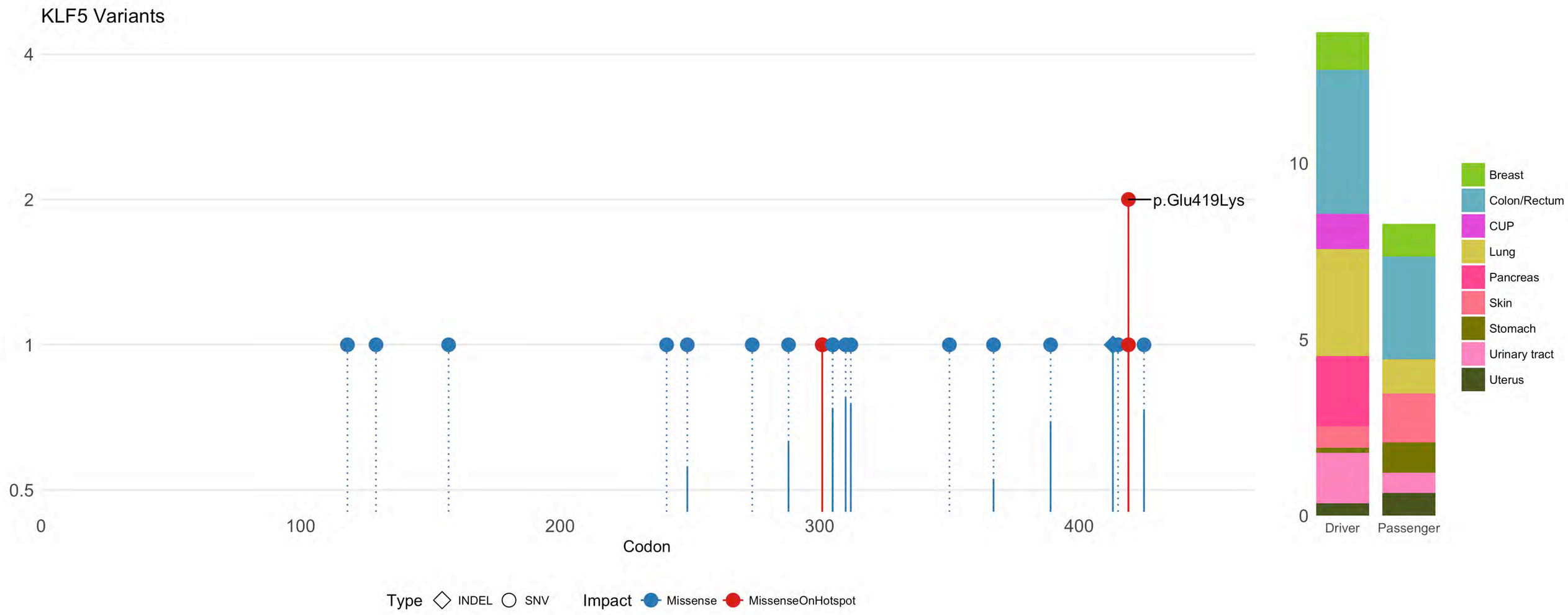

JAK2 Variants
Codon
Impact Missense
Type SNV
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Lung
NET
Other
Ovary
Prostate
Skin
Stomach
Urinary tract
Uterus

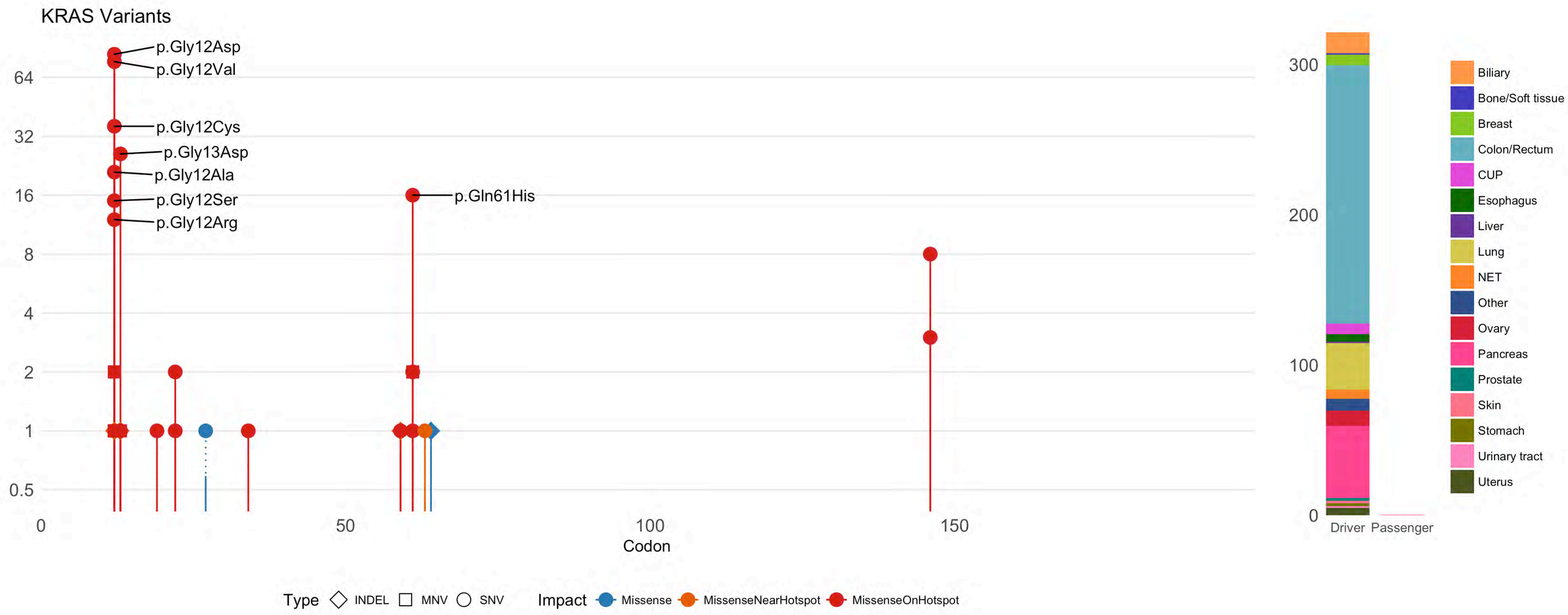

JAK3 Variants
Codon
Type INDEL MNV SNV
Impact Missense MissenseOnHotspot Nonsense
Driver
Passenger
Breast
CNS
Colon/Rectum
CUP
Esophagus
Lung
NET
Other
Ovary
Pancreas
Prostate
Skin
Stomach

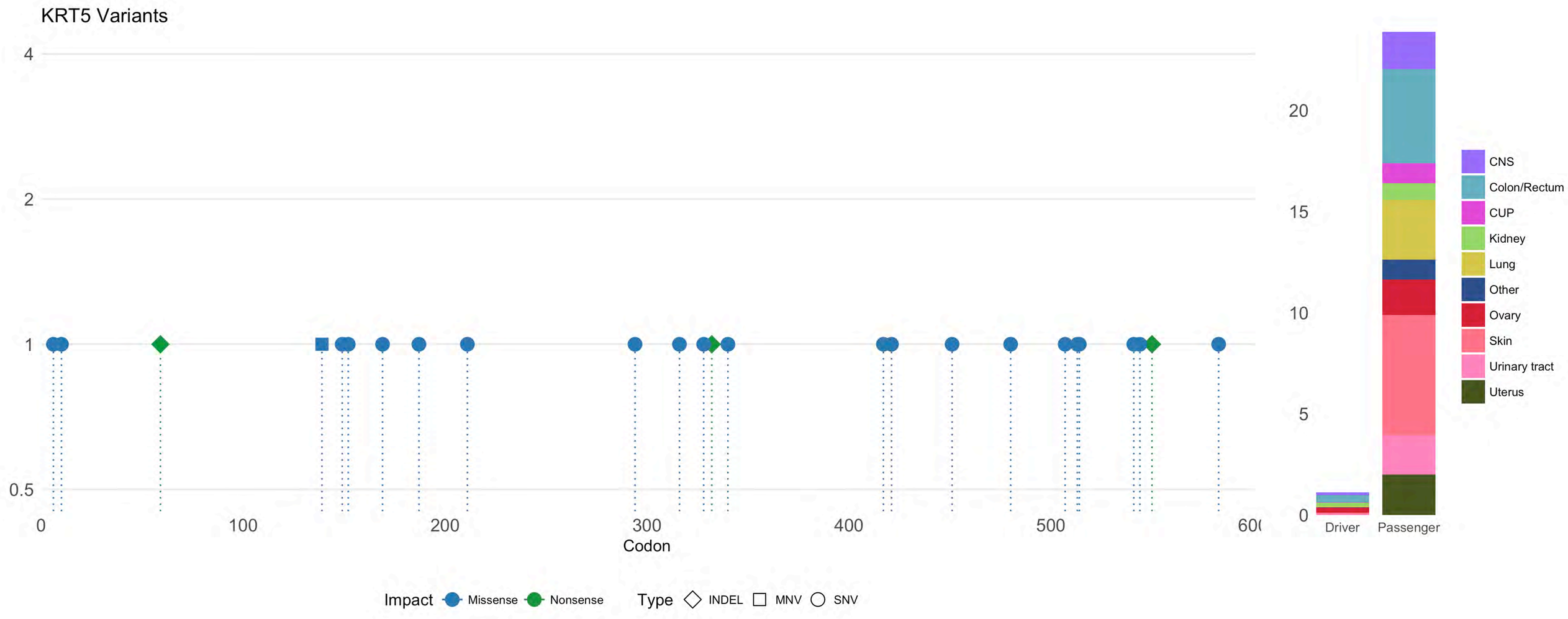

KCNJ5 Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Breast
CNS
Colon/Rectum
CUP
Esophagus
Kidney
Lung
NET
Pancreas
Prostate
Skin
Urinary tract

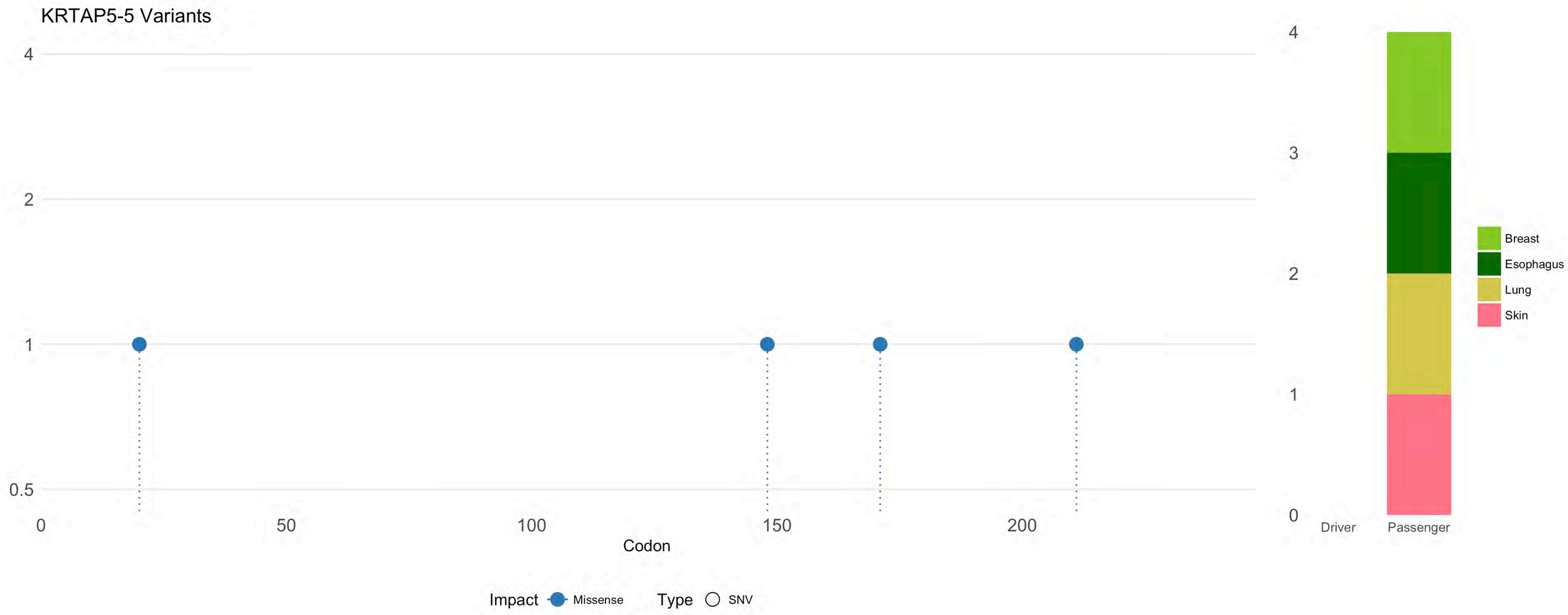

KDR Variants
Codon
Type MNV SNV
Impact Missense
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Kidney
Liver
Lung
NET
Other
Pancreas
Prostate
Skin
Urinary tract

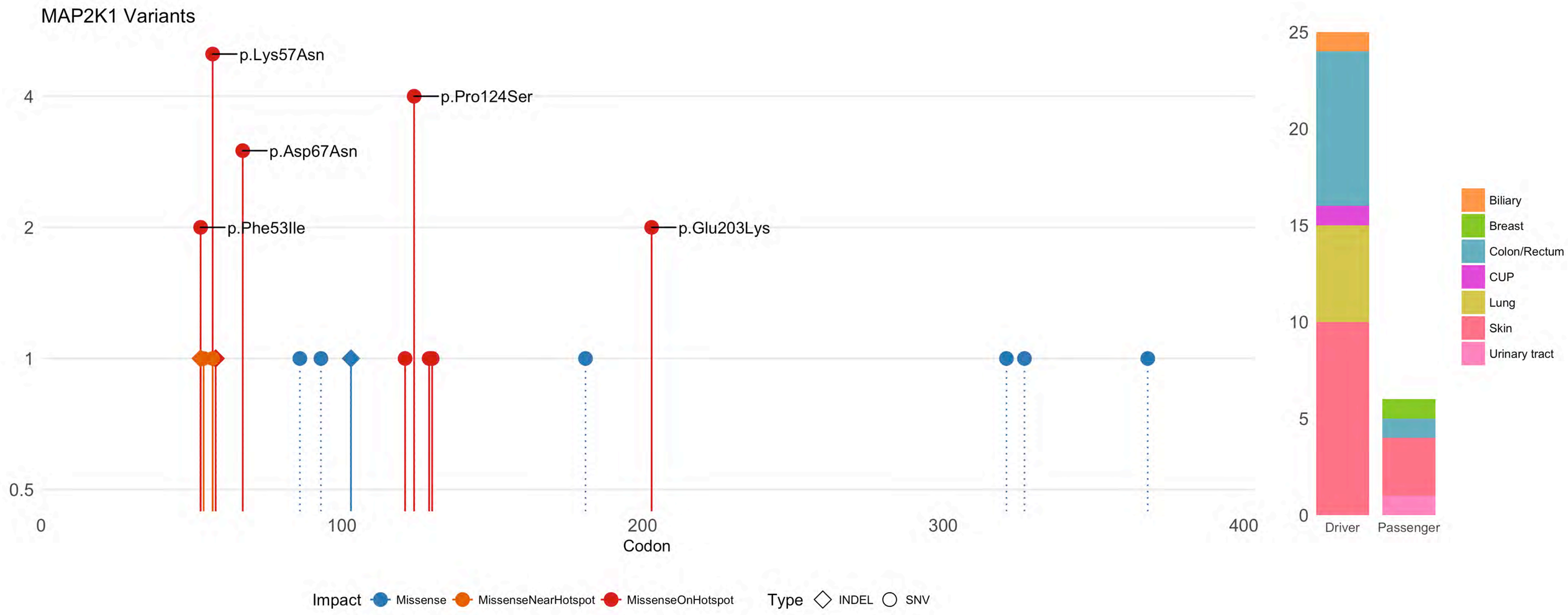

KIT Variants
p.Leu576Pro
p.Ser501_Ala502insAlaTyr
p.Val555_Val559del
p.Val559Asp
p.Trp557_Lys558del
p.Trp557Arg
p.Val559Ala
p.Val654Ala
p.Asp820Glu
p.Asn822Lys
Codon
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Head and neck
Kidney
Lung
NET
Other
Ovary
Pancreas
Prostate
Skin
Stomach
Urinary tract
Uterus
Type INDEL MNV SNV
Impact Missense MissenseNearHotspot MissenseOnHotspot Nonsense

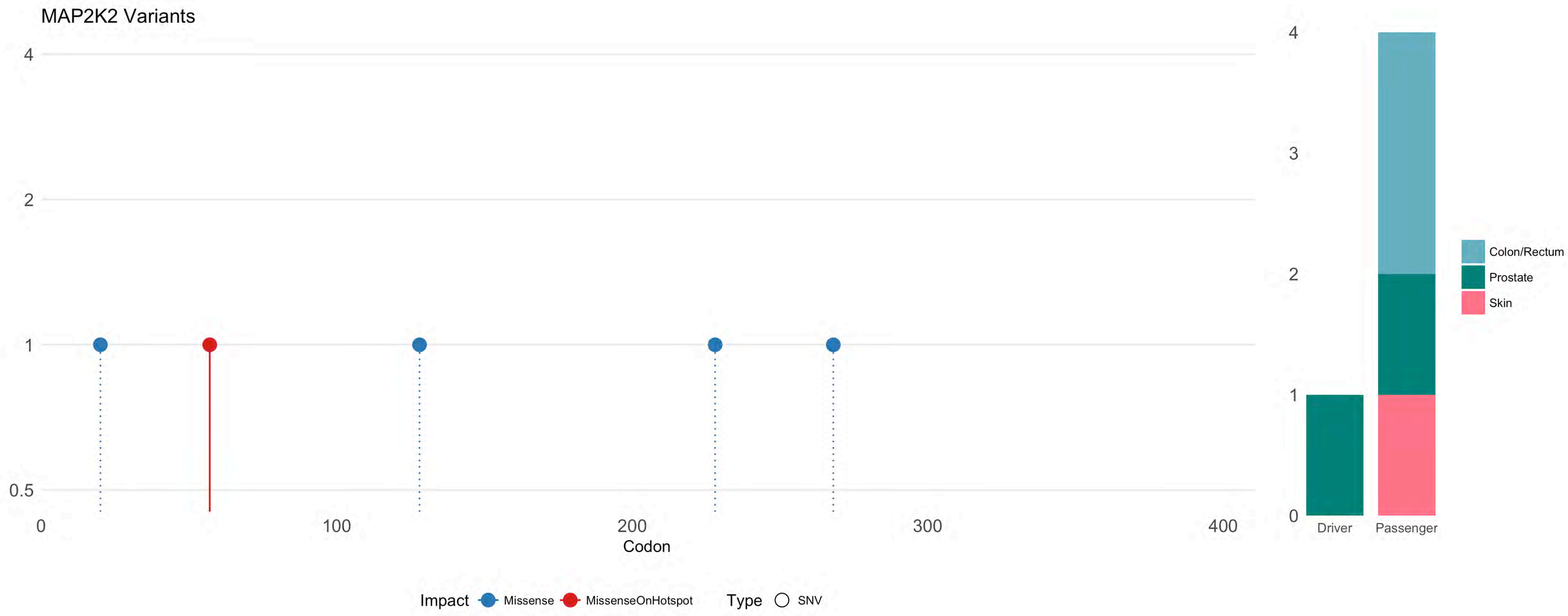

KLF5 Variants
p.Glu419Lys
Codon
Driver
Passenger
Breast
Colon/Rectum
CUP
Lung
Pancreas
Skin
Stomach
Urinary tract
Uterus
Type INDEL SNV
Impact Missense MissenseOnHotspot

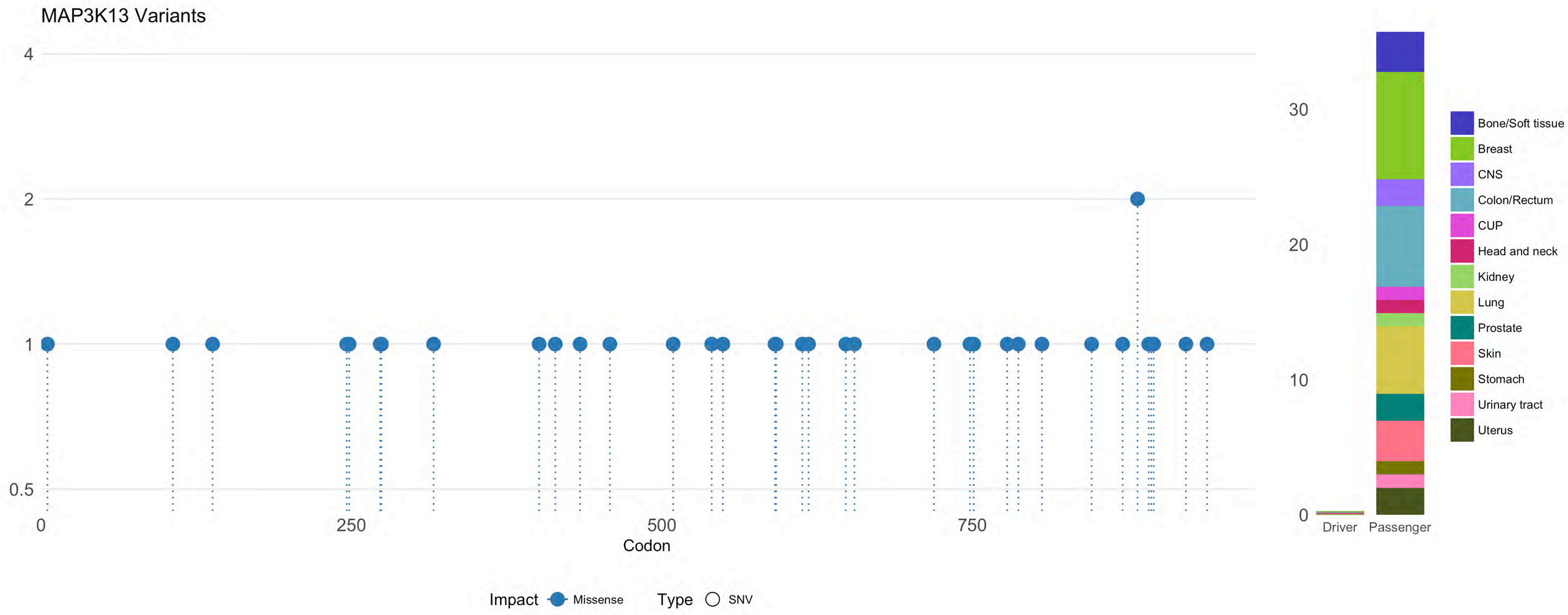

KRAS Variants
p.Gly12Asp
p.Gly12Val
p.Gly12Cys
p.Gly13Asp
p.Gly12Ala
p.Gly12Ser
p.Gly12Arg
p.Gln61His
Codon
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
Colon/Rectum
CUP
Esophagus
Liver
Lung
NET
Other
Ovary
Pancreas
Prostate
Skin
Stomach
Urinary tract
Uterus
Type INDEL MNV SNV
Impact Missense MissenseNearHotspot MissenseOnHotspot

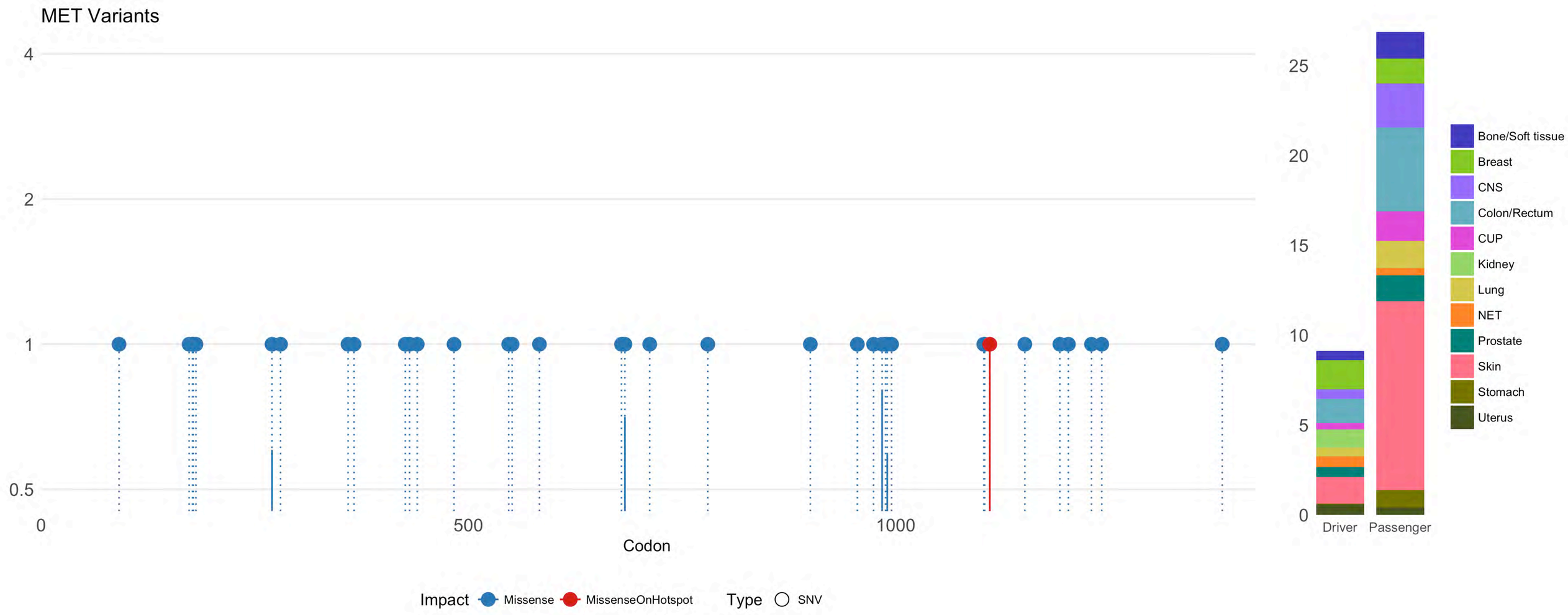

KRT5 Variants
Codon
Driver
Passenger
CNS
Colon/Rectum
CUP
Kidney
Lung
Other
Ovary
Skin
Urinary tract
Uterus
Impact Missense Nonsense
Type INDEL MNV SNV

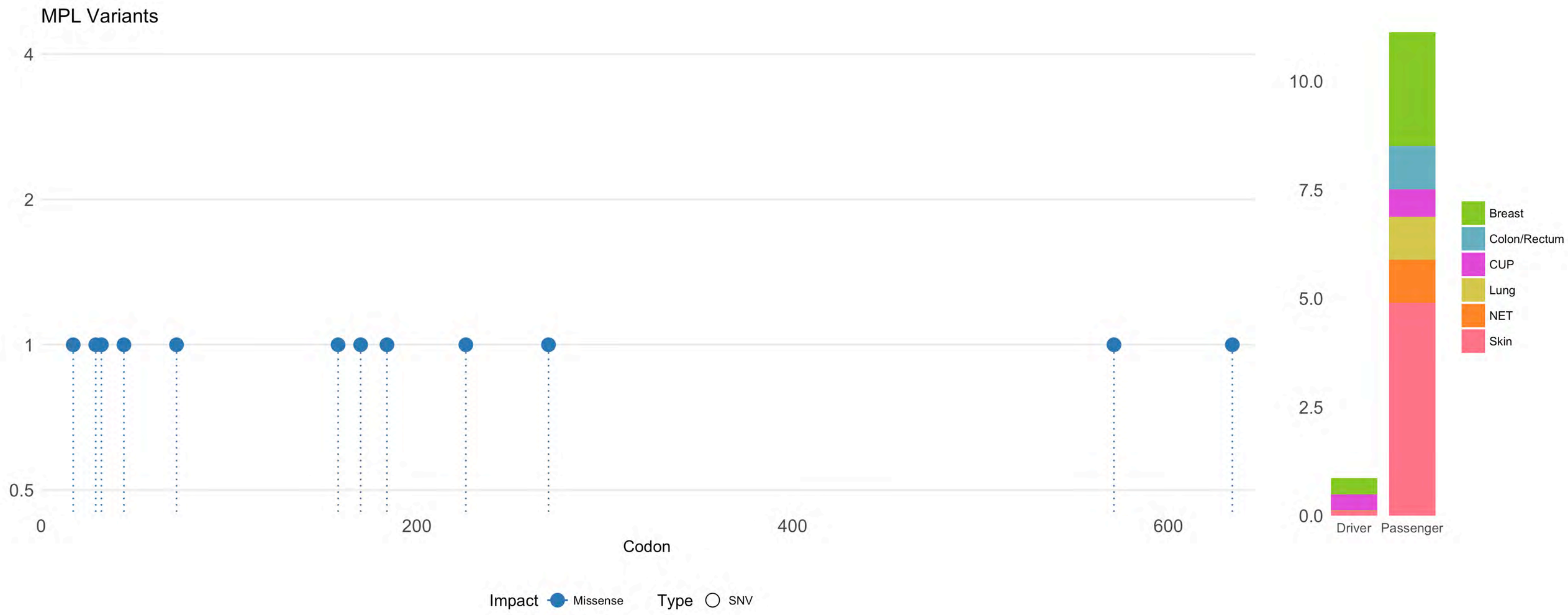

KRTAP5-5 Variants
Codon
Driver
Passenger
Breast
Esophagus
Lung
Skin
Impact
Missense
Type
SNV

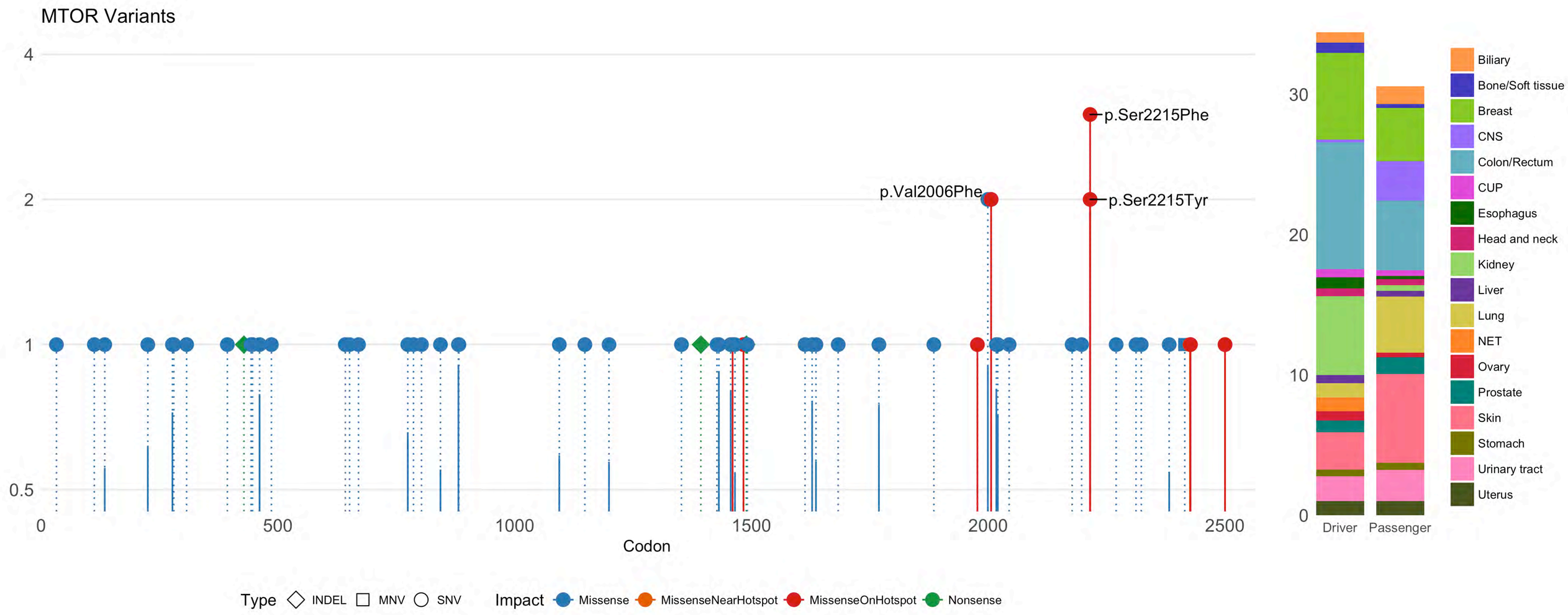

MAP2K1 Variants
p.Lys57Asn
p.Pro124Ser
p.Asp67Asn
p.Phe53Ile
p.Glu203Lys
Codon
Driver
Passenger
Biliary
Breast
Colon/Rectum
CUP
Lung
Skin
Urinary tract
Impact
Missense
MissenseNearHotspot
MissenseOnHotspot
Type
INDEL
SNV

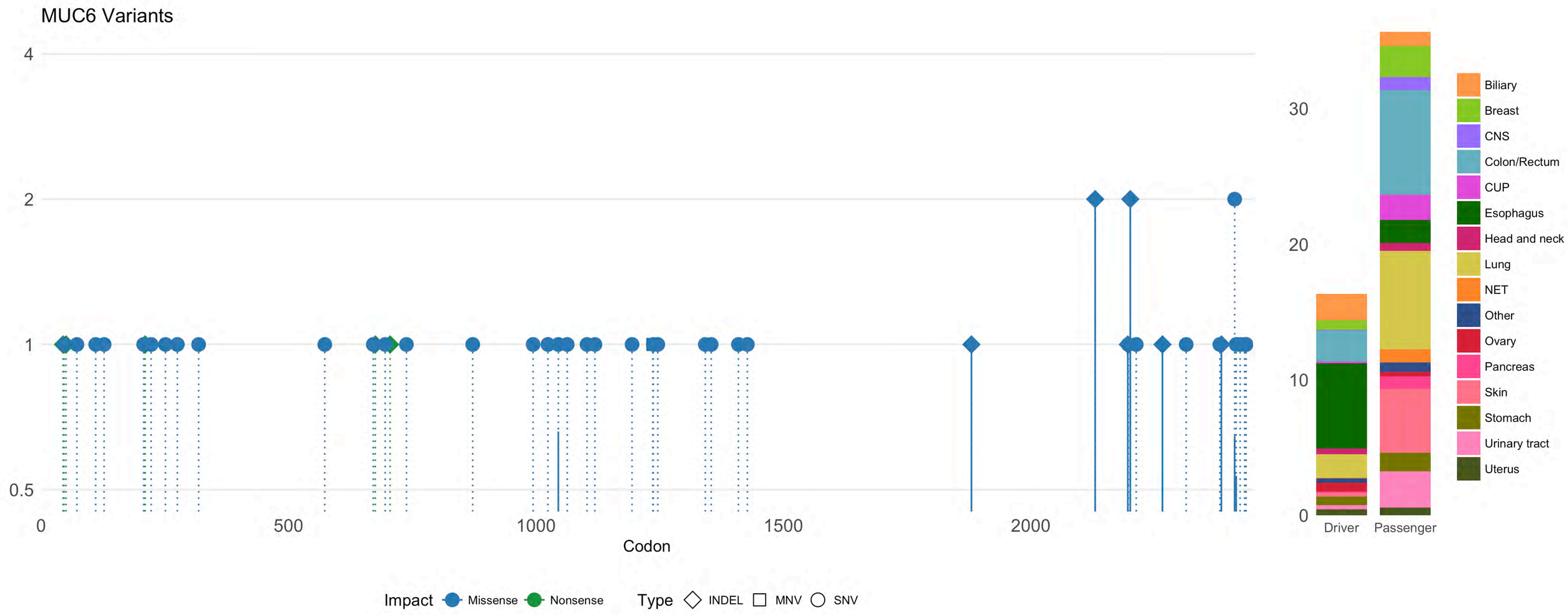

MAP2K2 Variants
Codon
Driver
Passenger
Colon/Rectum
Prostate
Skin
Impact
Missense
MissenseOnHotspot
Type
SNV

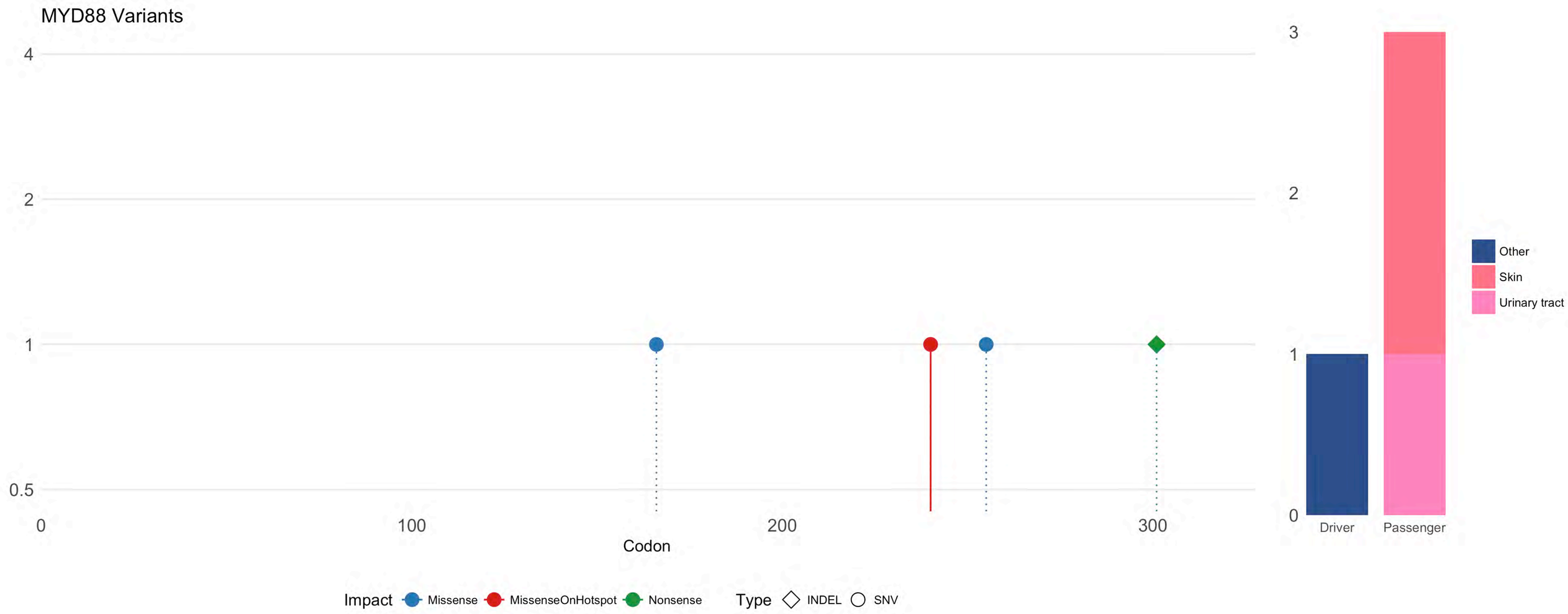

MAP3K13 Variants
Codon
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Head and neck
Kidney
Lung
Prostate
Skin
Stomach
Urinary tract
Uterus
Impact
Missense
Type
SNV

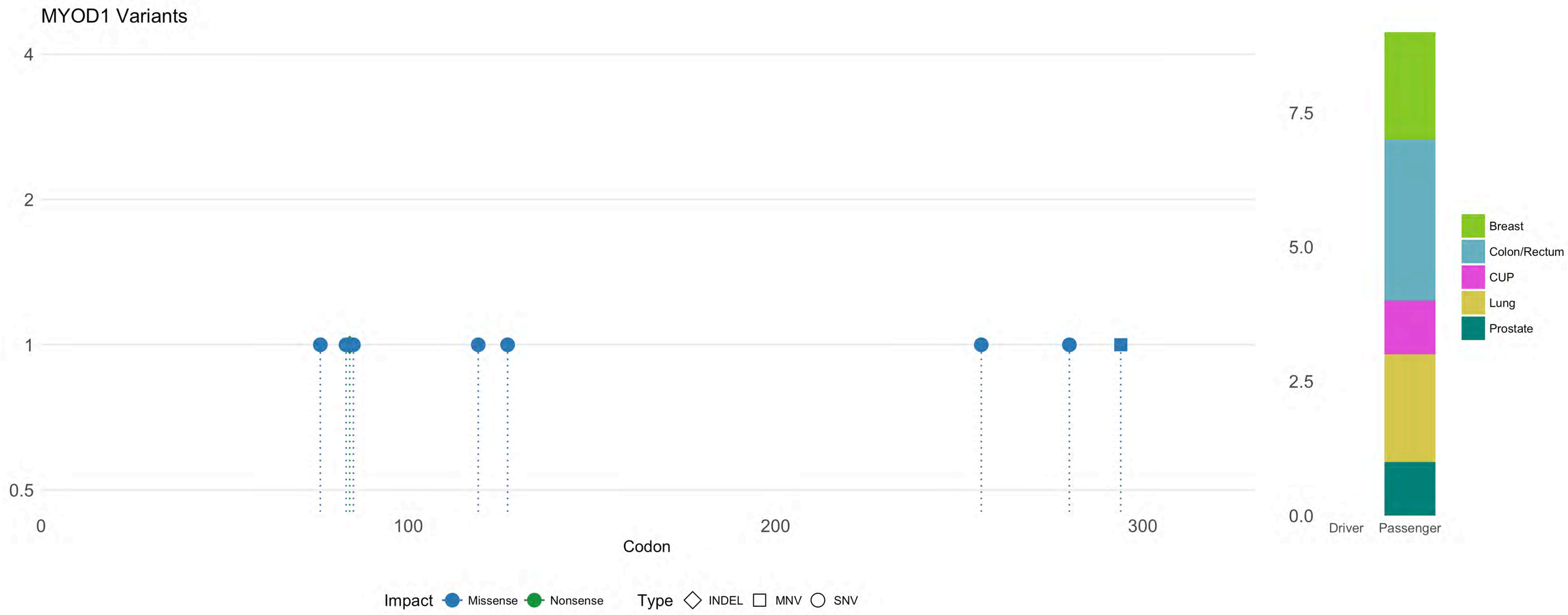

MET Variants
Codon
Impact Missense MissenseOnHotspot
Type SNV
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Kidney
Lung
NET
Prostate
Skin
Stomach
Uterus

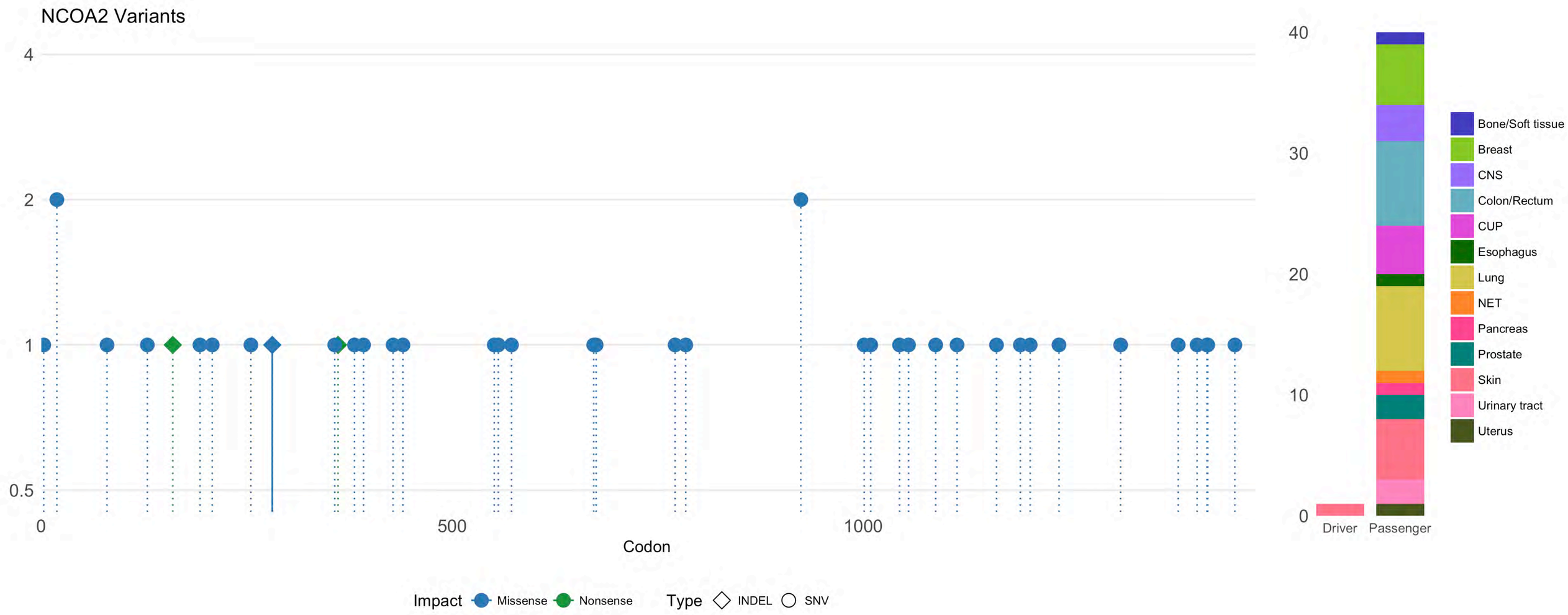

MPL Variants
Codon
Impact Missense
Type SNV
Driver
Passenger
Breast
Colon/Rectum
CUP
Lung
NET
Skin

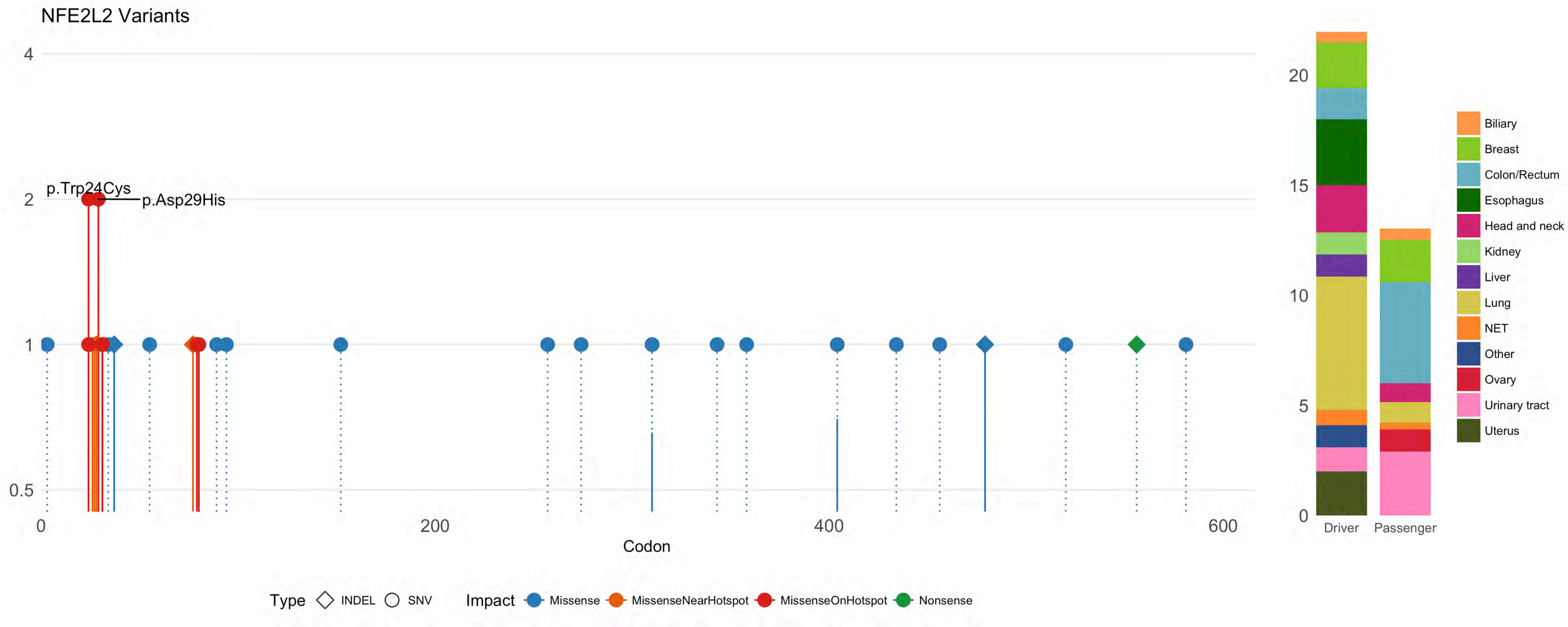

MTOR Variants
p.Ser2215Phe
p.Val2006Phe
p.Ser2215Tyr
Codon
Type INDEL MNV SNV
Impact Missense MissenseNearHotspot MissenseOnHotspot Nonsense
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Head and neck
Kidney
Liver
Lung
NET
Ovary
Prostate
Skin
Stomach
Urinary tract
Uterus

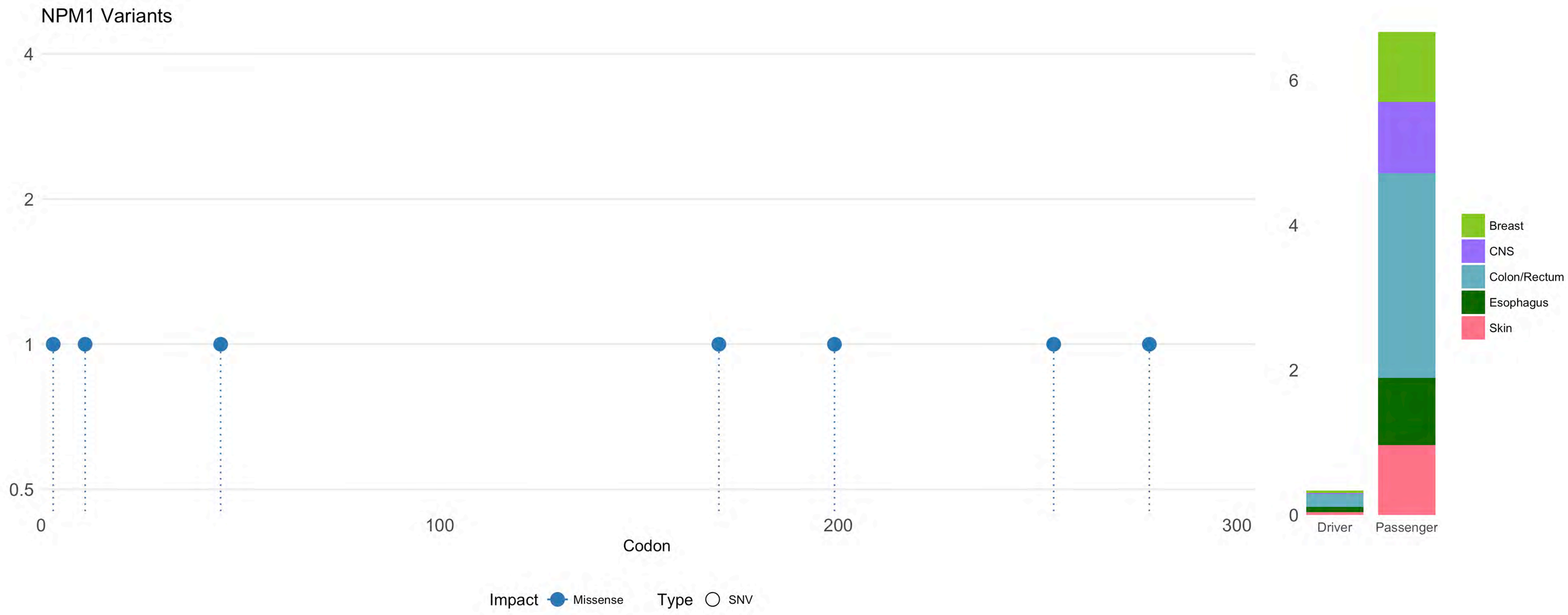

MUC6 Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Driver
Passenger
Biliary
Breast
CNS
Colon/Rectum
CUP
Esophagus
Head and neck
Lung
NET
Other
Ovary
Pancreas
Skin
Stomach
Urinary tract
Uterus

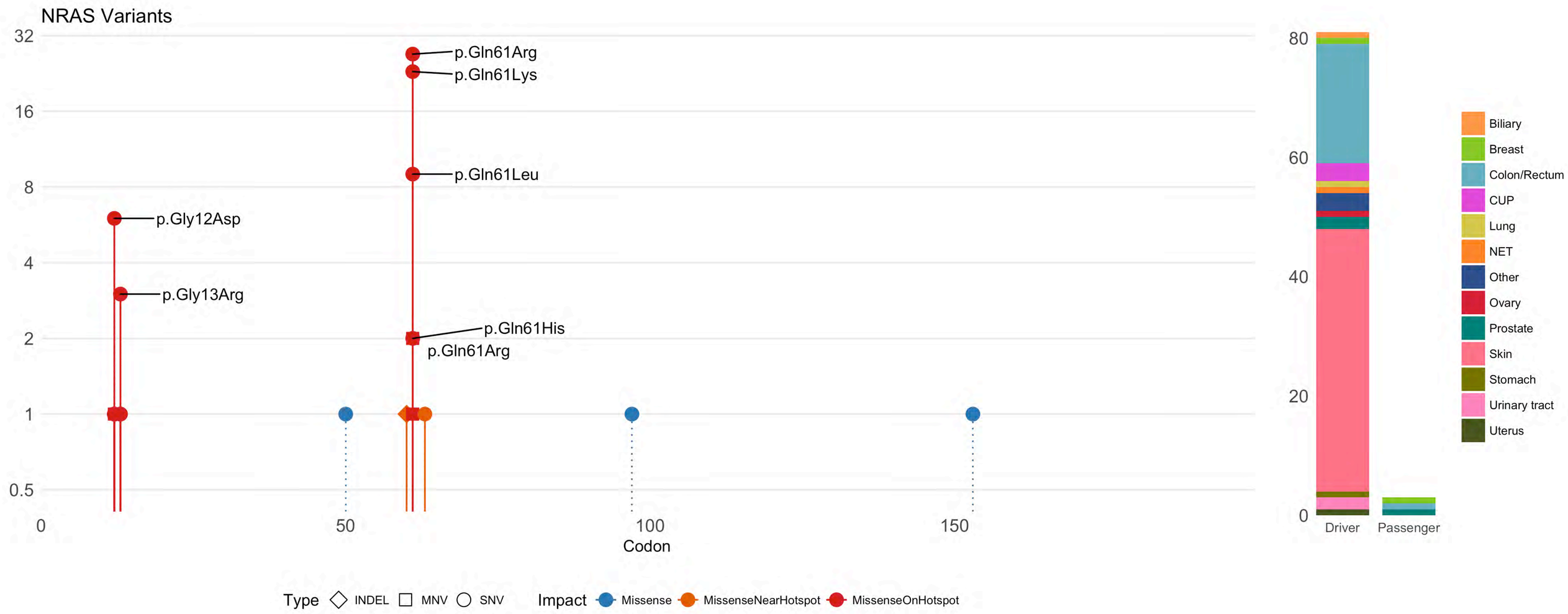

MYD88 Variants
Codon
Impact Missense MissenseOnHotspot Nonsense
Type INDEL SNV
Other
Skin
Urinary tract
Driver
Passenger

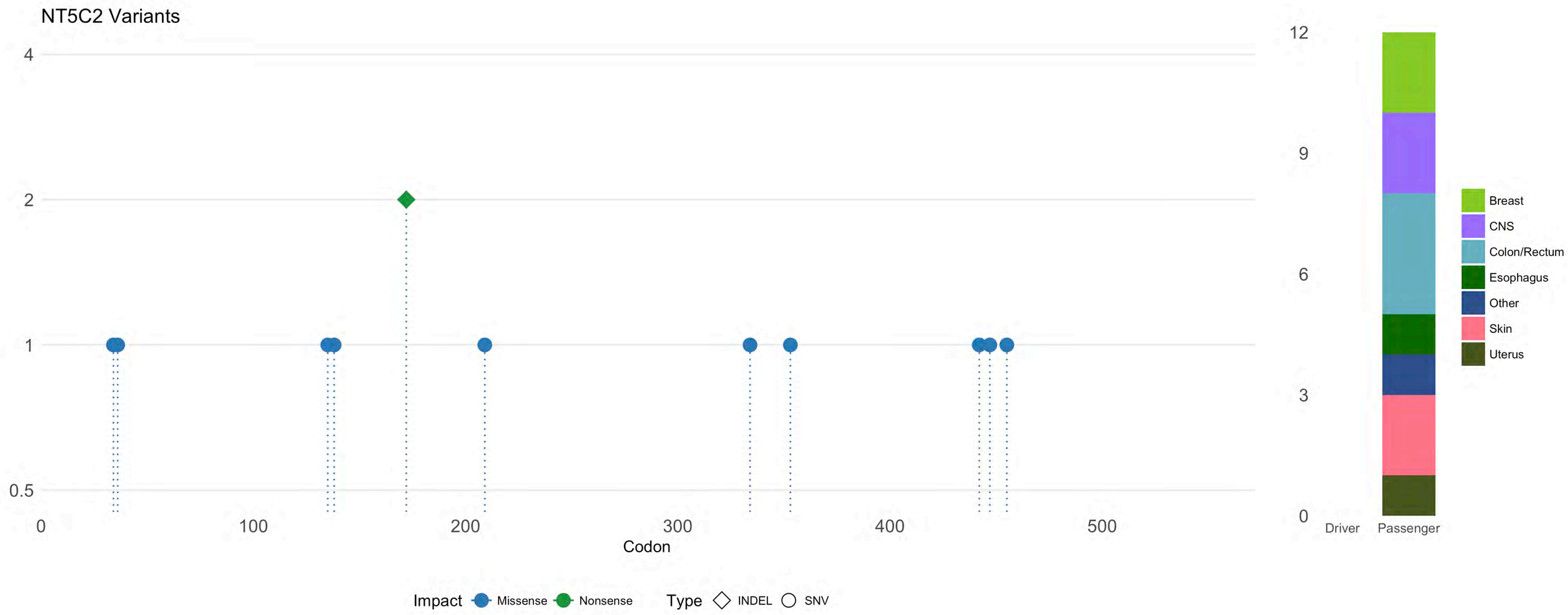

MYOD1 Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Breast
Colon/Rectum
CUP
Lung
Prostate
Driver
Passenger

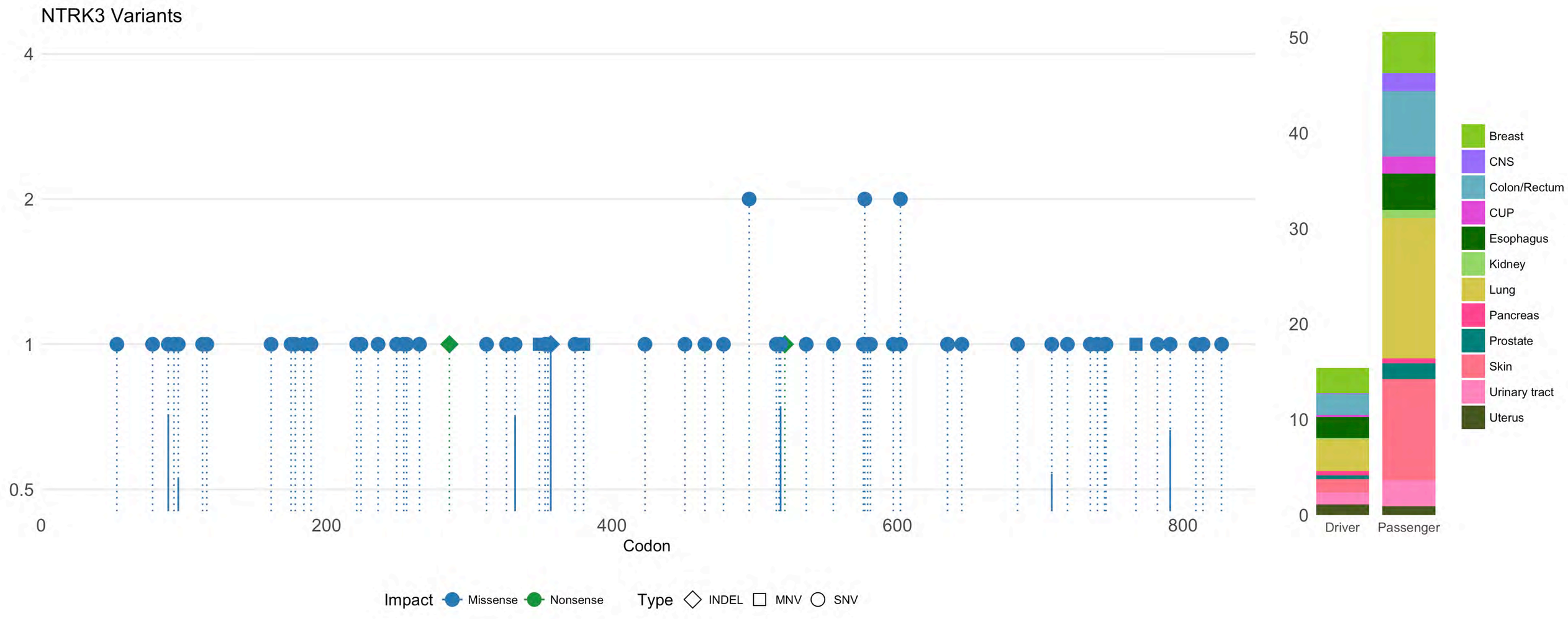

NCOA2 Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Lung
NET
Pancreas
Prostate
Skin
Urinary tract
Uterus
Driver
Passenger

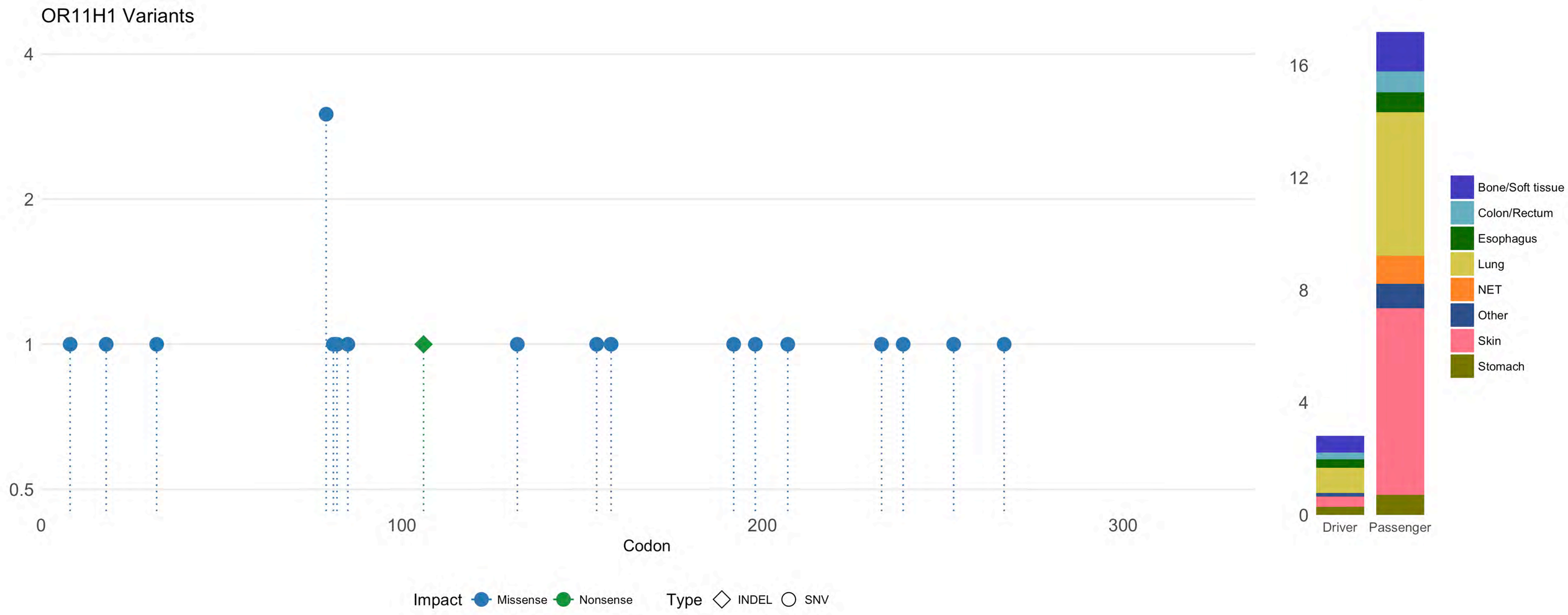

NFE2L2 Variants
p.Trp24Cys
p.Asp29His
Codon
Type INDEL SNV
Impact Missense MissenseNearHotspot MissenseOnHotspot Nonsense
Biliary
Breast
Colon/Rectum
Esophagus
Head and neck
Kidney
Liver
Lung
NET
Other
Ovary
Urinary tract
Uterus
Driver
Passenger

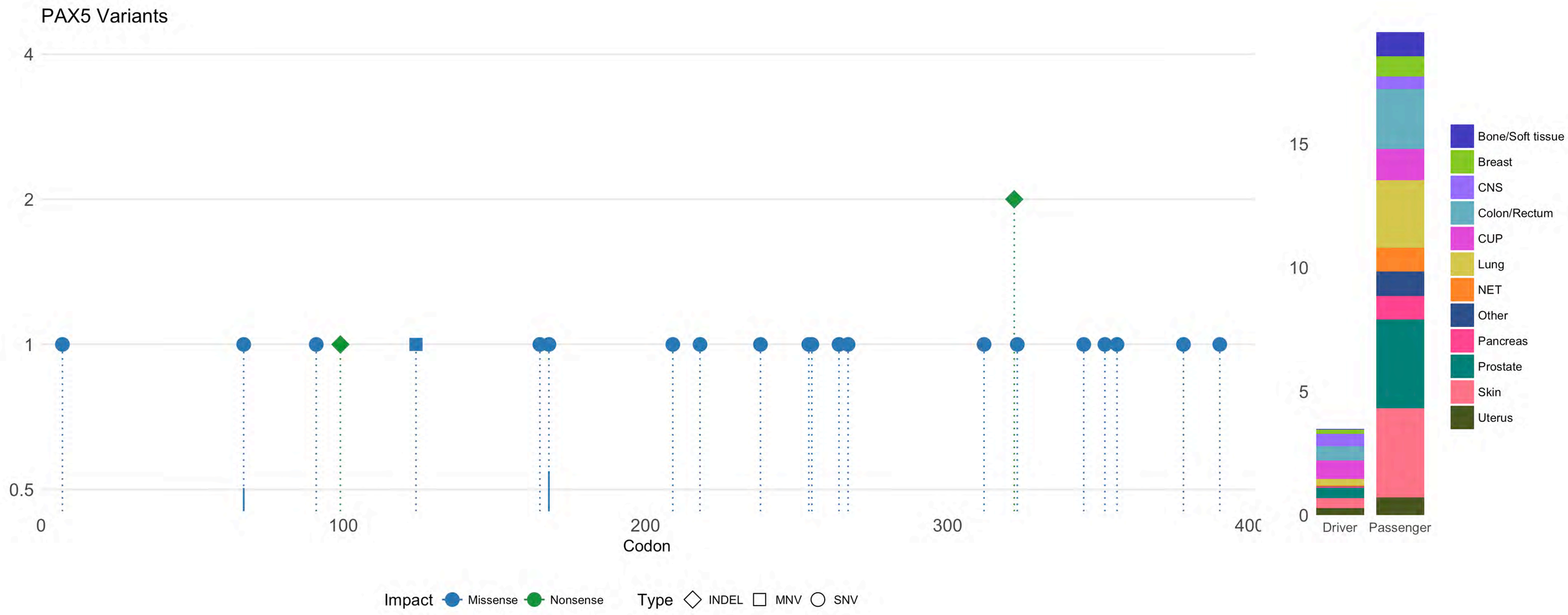

NPM1 Variants
Codon
Impact Missense
Type SNV
Driver
Passenger
Breast
CNS
Colon/Rectum
Esophagus
Skin

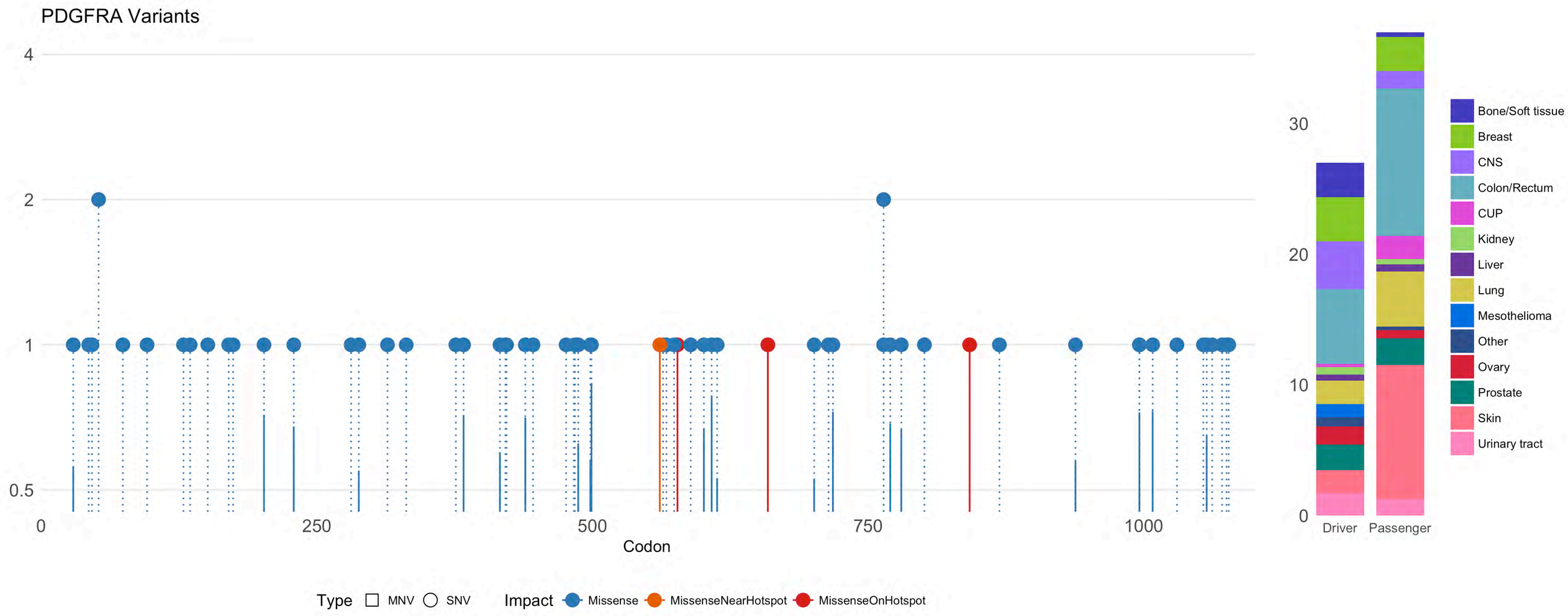

NRAS Variants
p.Gln61Arg
p.Gln61Lys
p.Gln61Leu
p.Gly12Asp
p.Gly13Arg
p.Gln61His
p.Gln61Arg
Codon
Type INDEL MNV SNV
Impact Missense MissenseNearHotspot MissenseOnHotspot
Driver
Passenger
Biliary
Breast
Colon/Rectum
CUP
Lung
NET
Other
Ovary
Prostate
Skin
Stomach
Urinary tract
Uterus

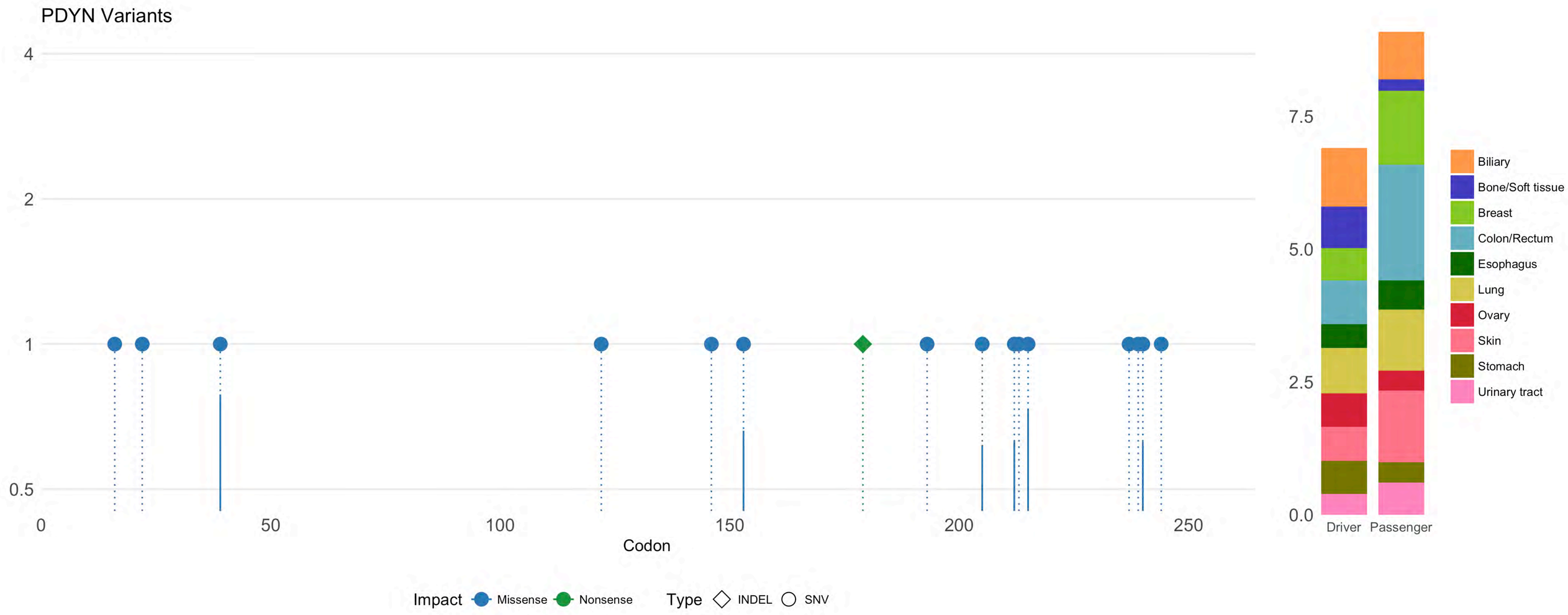

NT5C2 Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Breast
CNS
Colon/Rectum
Esophagus
Other
Skin
Uterus

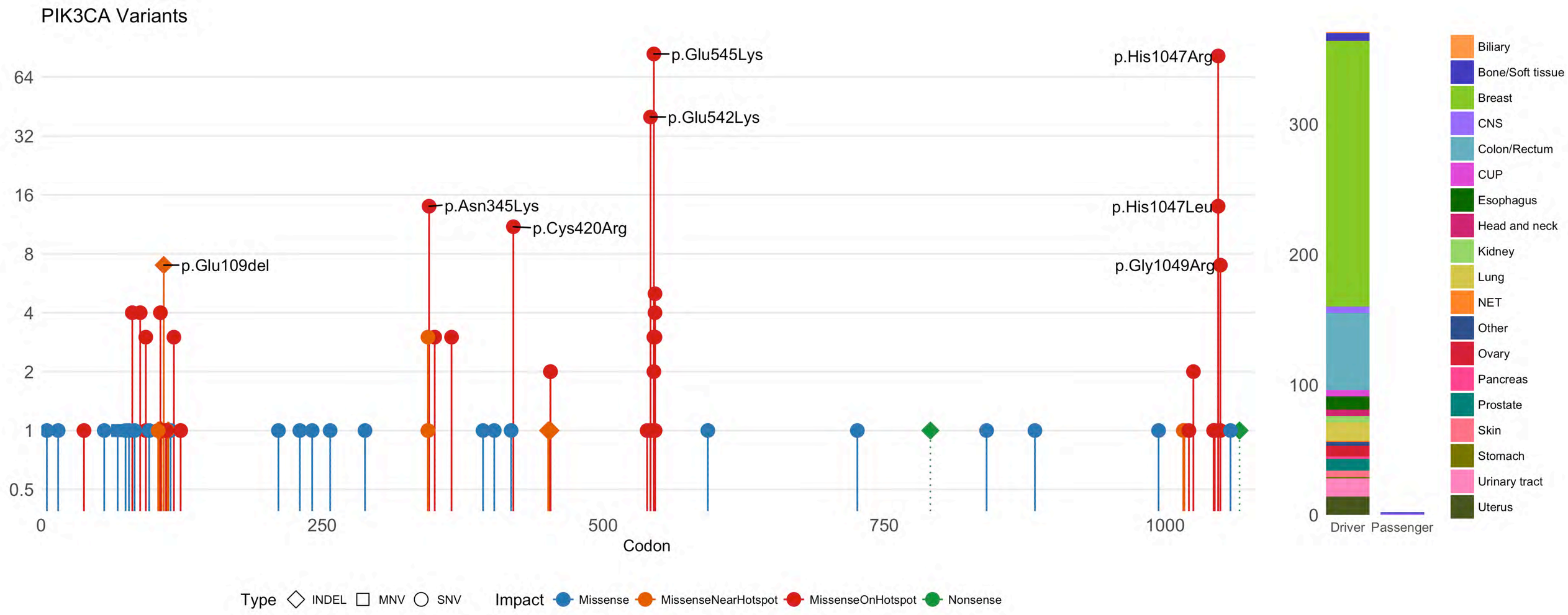

NTRK3 Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Driver
Passenger
Breast
CNS
Colon/Rectum
CUP
Esophagus
Kidney
Lung
Pancreas
Prostate
Skin
Urinary tract
Uterus

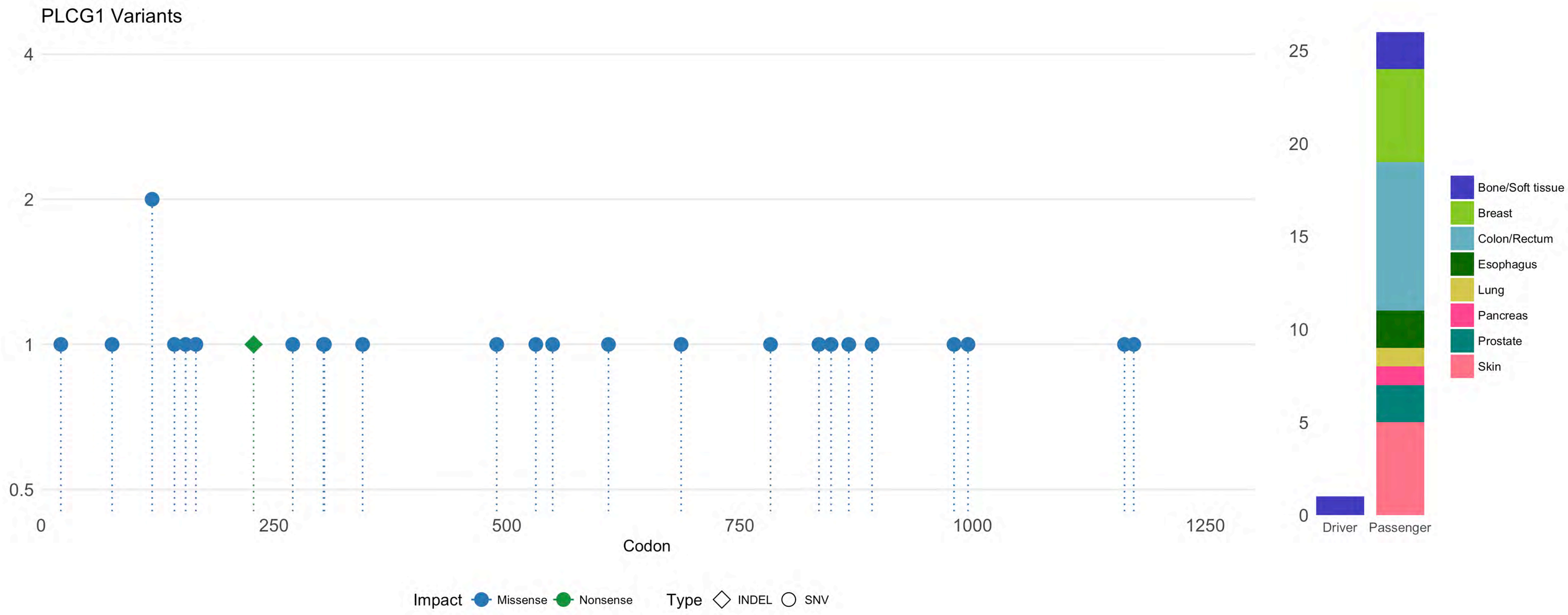

OR11H1 Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Bone/Soft tissue
Colon/Rectum
Esophagus
Lung
NET
Other
Skin
Stomach

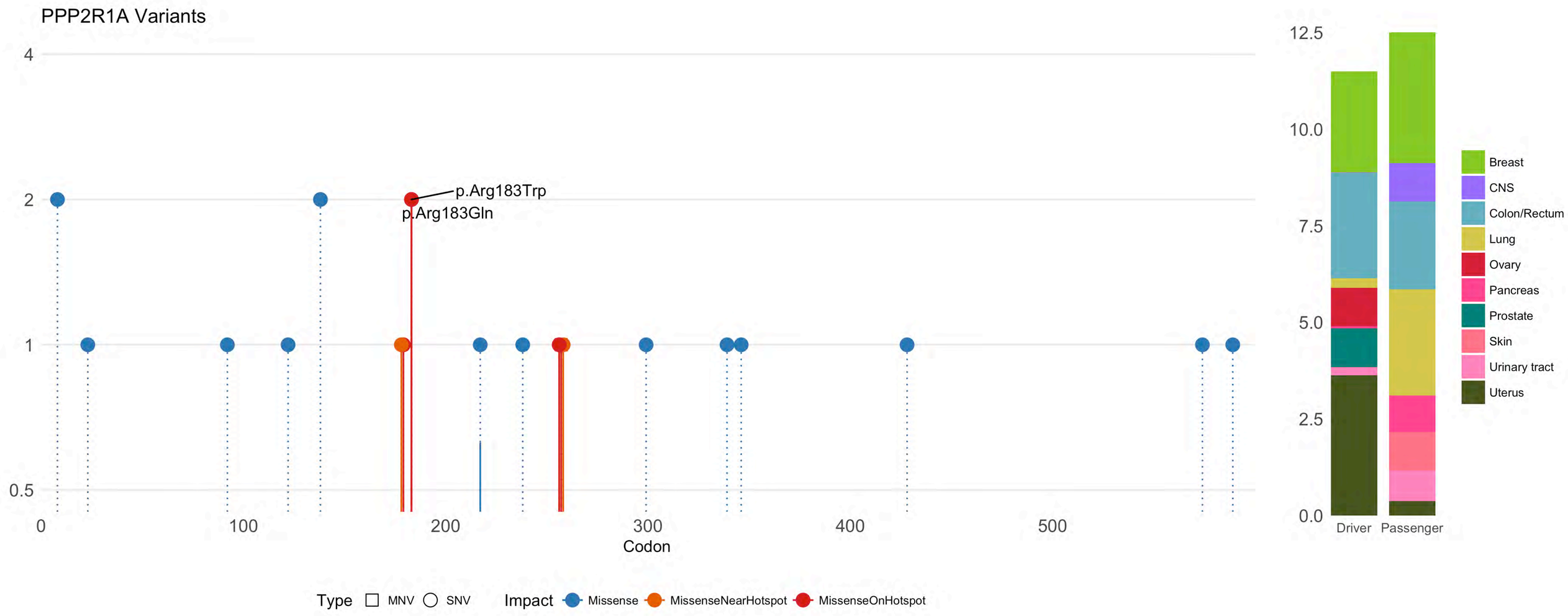

PAX5 Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Lung
NET
Other
Pancreas
Prostate
Skin
Uterus

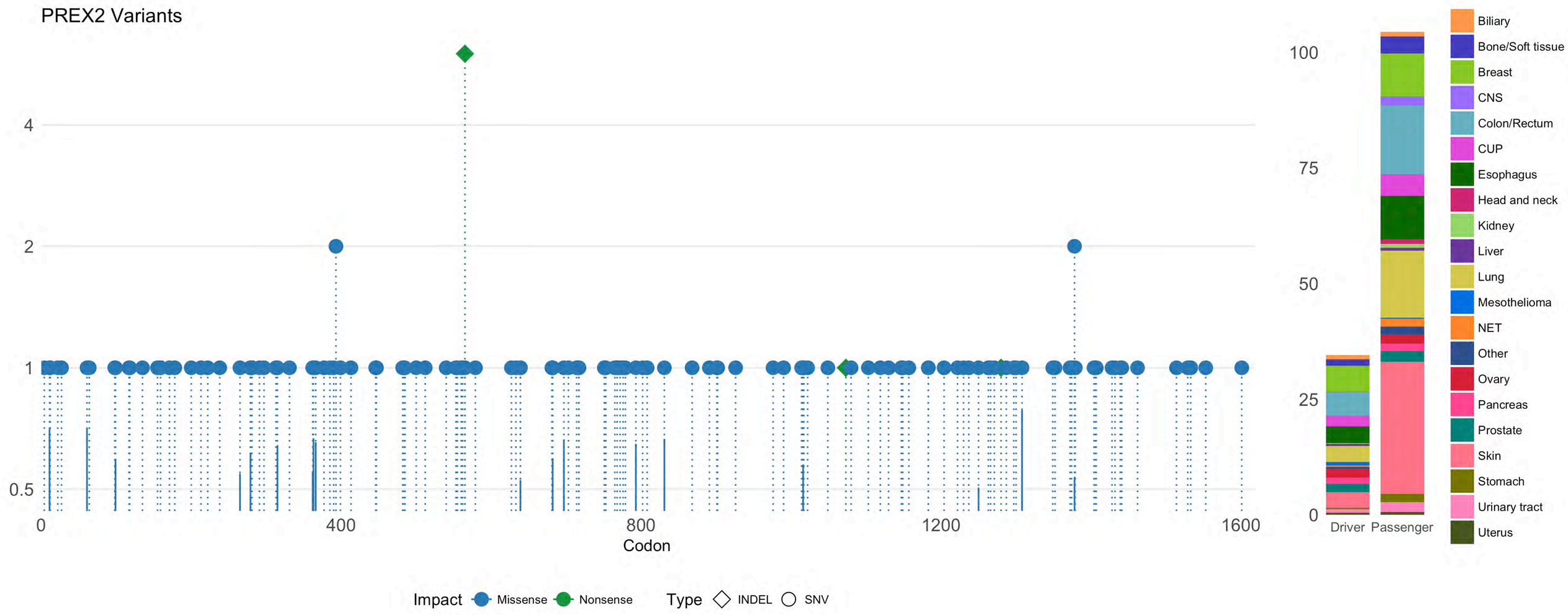

PDGFRA Variants
Codon
Type MNV SNV
Impact Missense MissenseNearHotspot MissenseOnHotspot
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Kidney
Liver
Lung
Mesothelioma
Other
Ovary
Prostate
Skin
Urinary tract

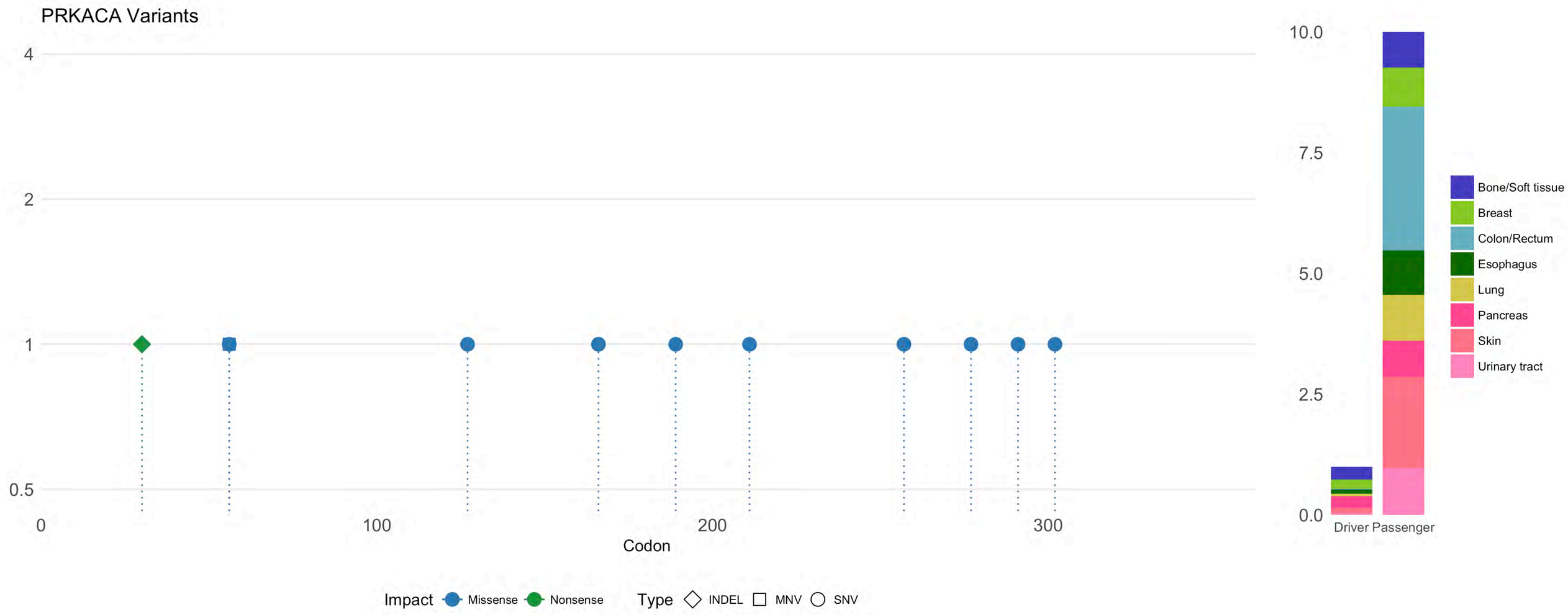

PDYN Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
Colon/Rectum
Esophagus
Lung
Ovary
Skin
Stomach
Urinary tract

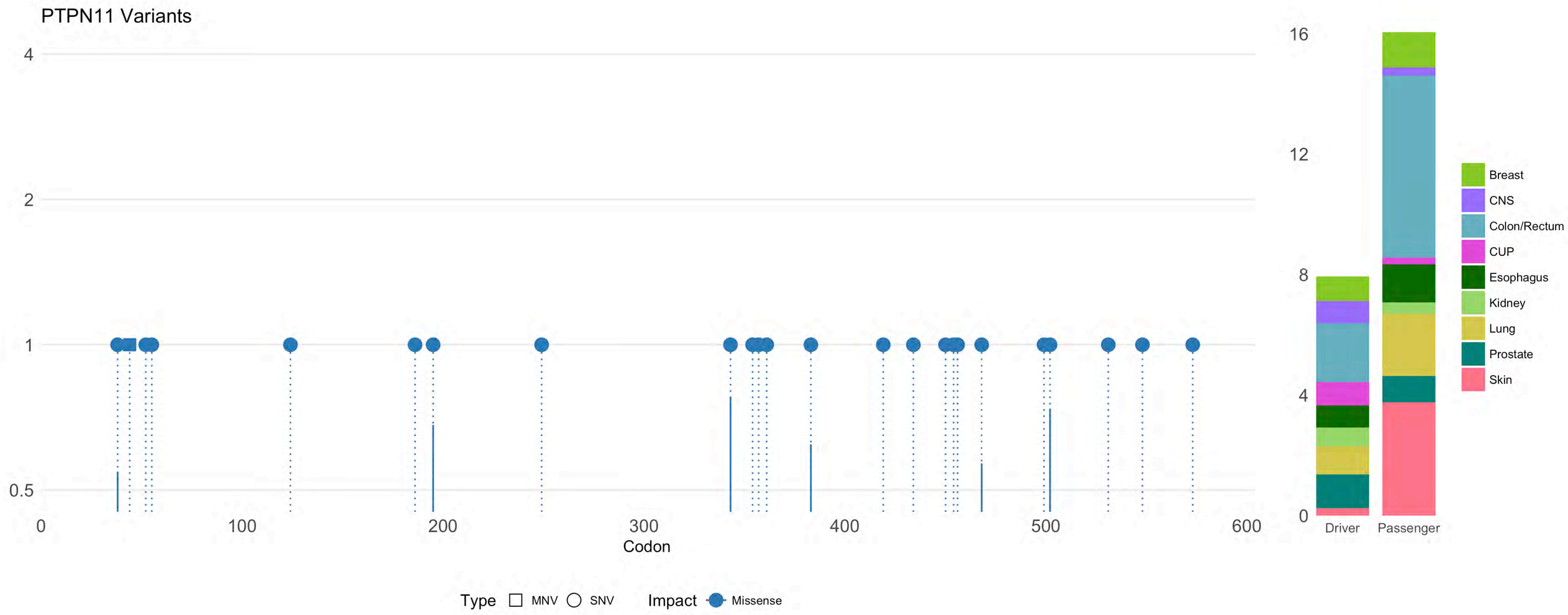

PIK3CA Variants
p.Glu545Lys
p.Glu542Lys
p.His1047Arg
p.Asn345Lys
p.Cys420Arg
p.His1047Leu
p.Glu109del
p.Gly1049Arg
Codon
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Head and neck
Kidney
Lung
NET
Other
Ovary
Pancreas
Prostate
Skin
Stomach
Urinary tract
Uterus
Type INDEL MNV SNV
Impact Missense MissenseNearHotspot MissenseOnHotspot Nonsense

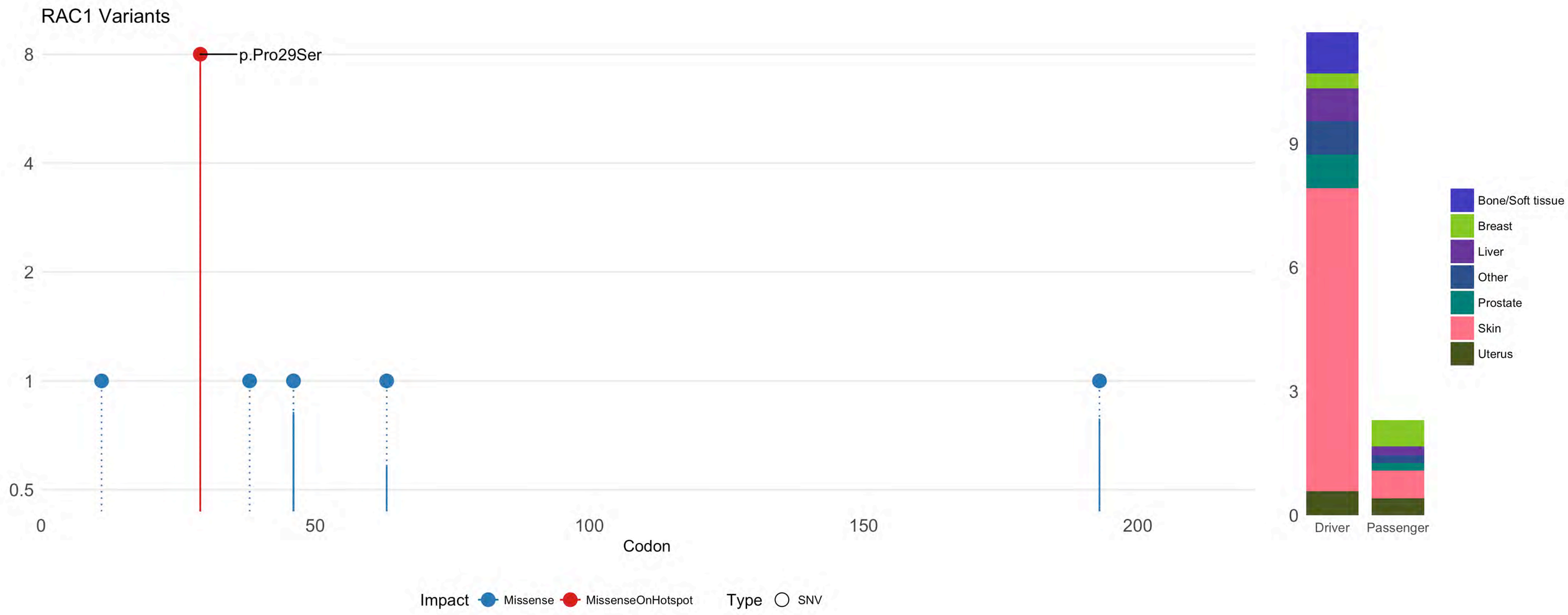

PLCG1 Variants
Codon
Driver
Passenger
Bone/Soft tissue
Breast
Colon/Rectum
Esophagus
Lung
Pancreas
Prostate
Skin
Impact Missense Nonsense
Type INDEL SNV

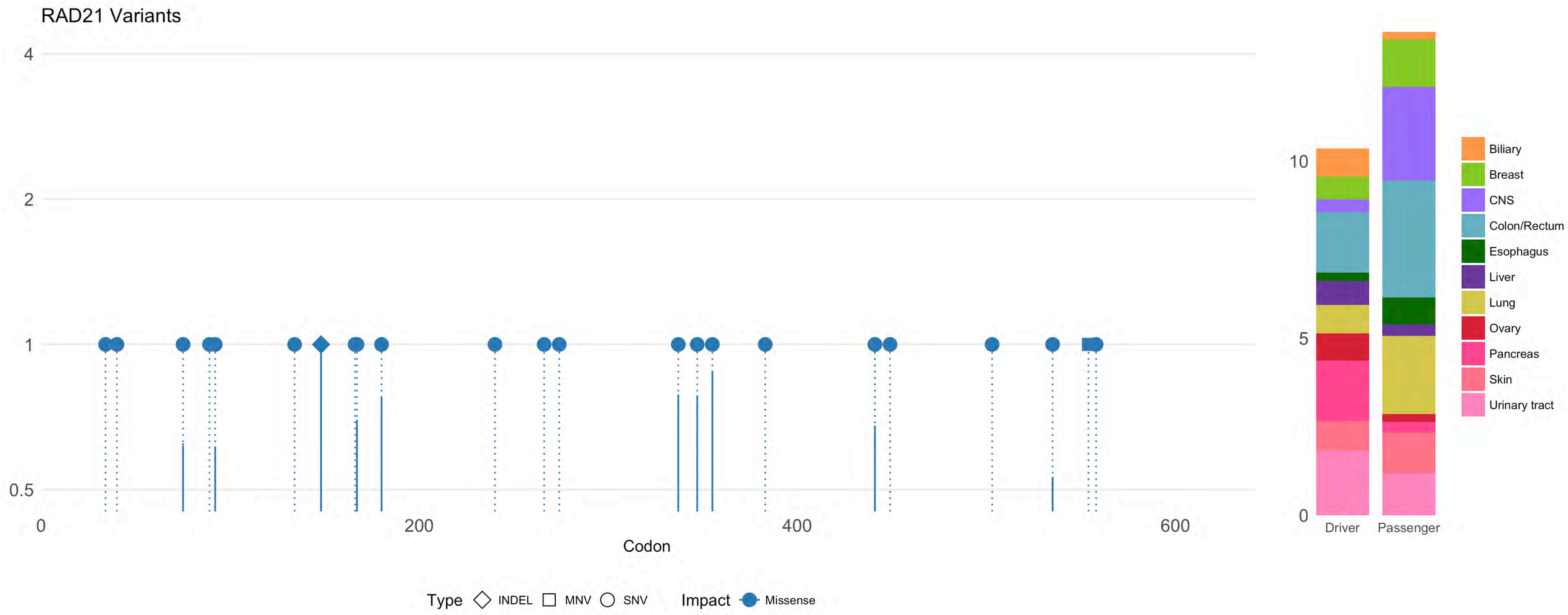

PPP2R1A Variants
p.Arg183Trp
p.Arg183Gln
Codon
Driver
Passenger
Breast
CNS
Colon/Rectum
Lung
Ovary
Pancreas
Prostate
Skin
Urinary tract
Uterus
Type MNV SNV
Impact Missense MissenseNearHotspot MissenseOnHotspot

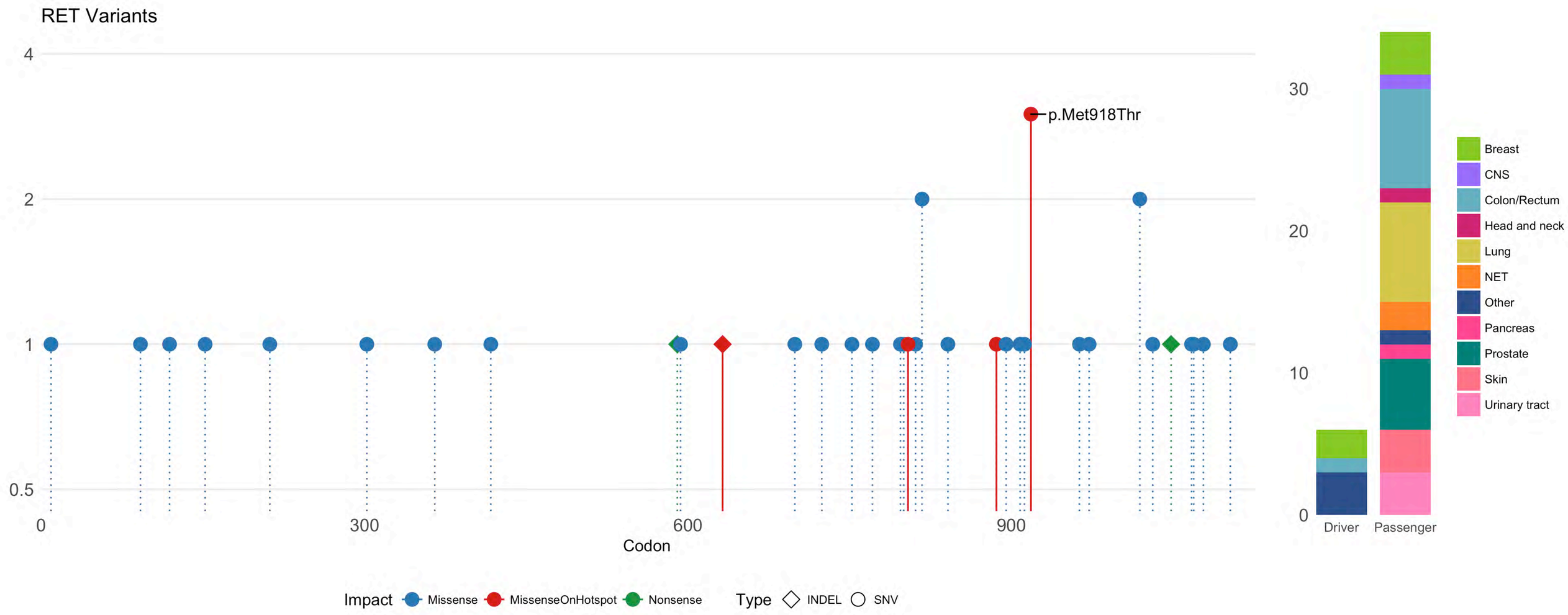

PREX2 Variants
Codon
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Head and neck
Kidney
Liver
Lung
Mesothelioma
NET
Other
Ovary
Pancreas
Prostate
Skin
Stomach
Urinary tract
Uterus
Impact Missense Nonsense
Type INDEL SNV

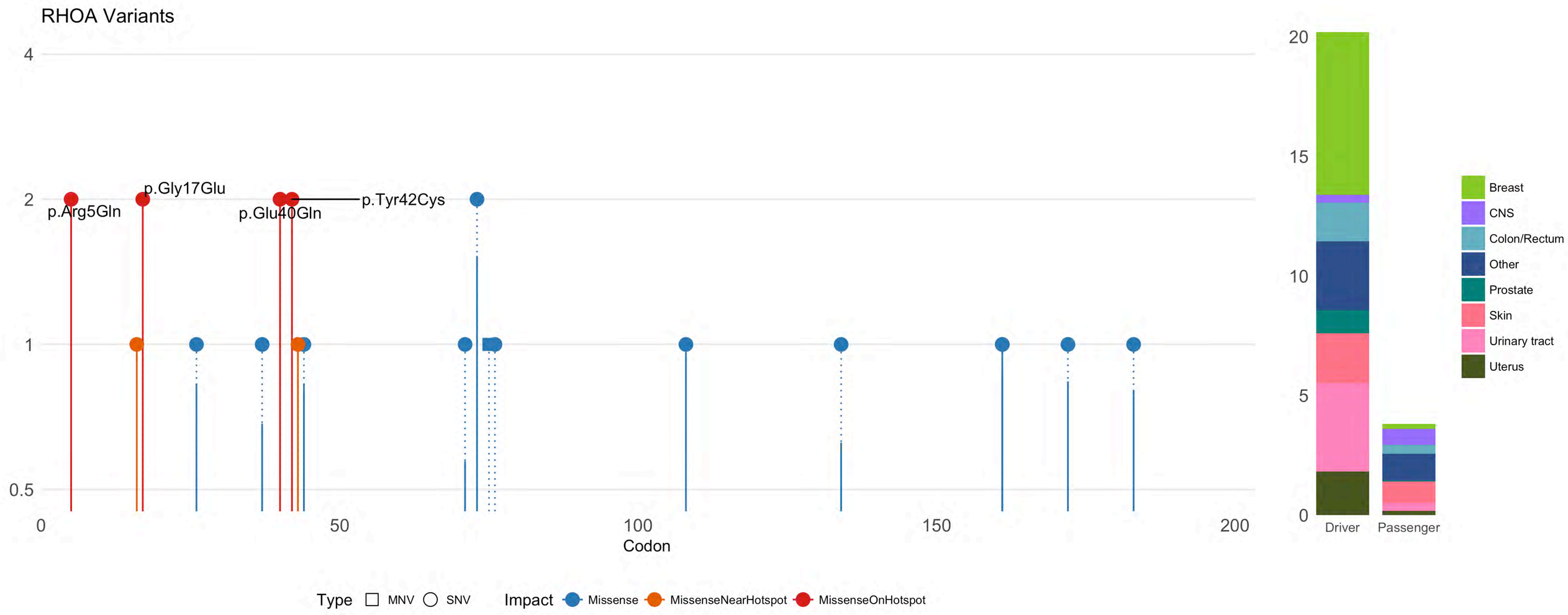

PRKACA Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Driver Passenger
Bone/Soft tissue
Breast
Colon/Rectum
Esophagus
Lung
Pancreas
Skin
Urinary tract

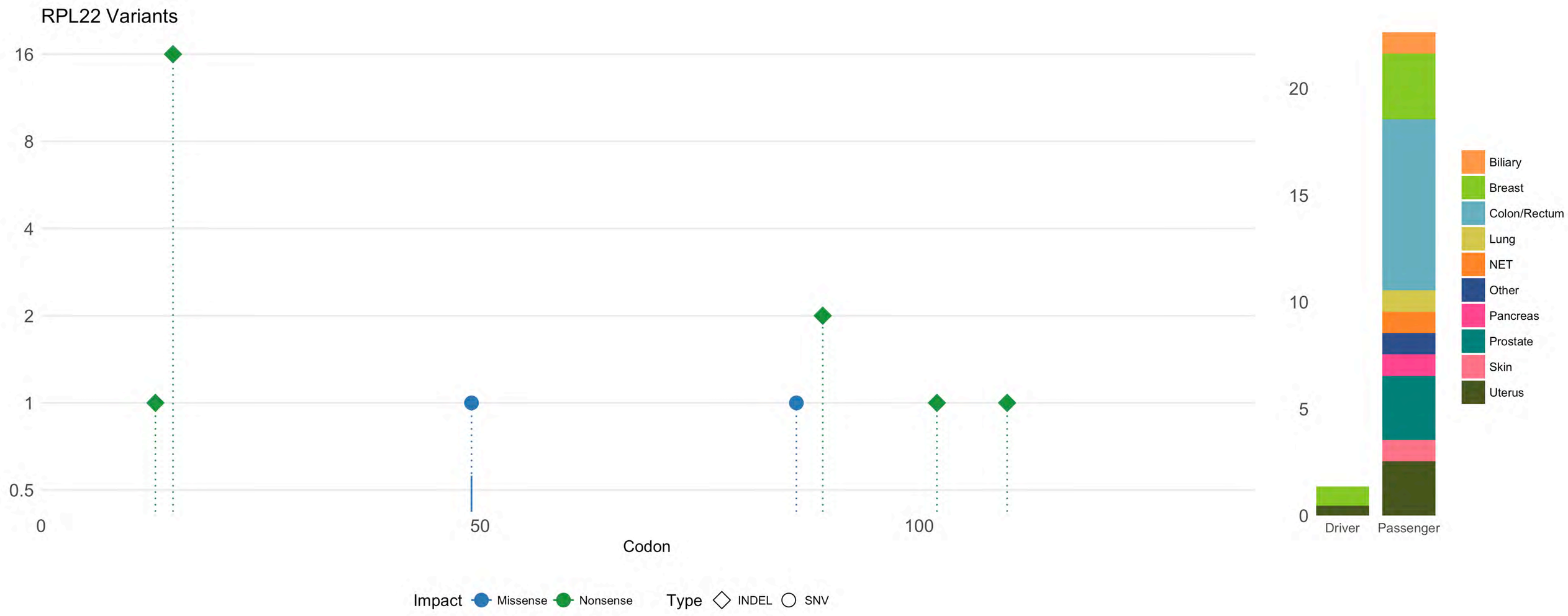

PTPN11 Variants
Codon
Type MNV SNV
Impact Missense
Driver Passenger
Breast
CNS
Colon/Rectum
CUP
Esophagus
Kidney
Lung
Prostate
Skin

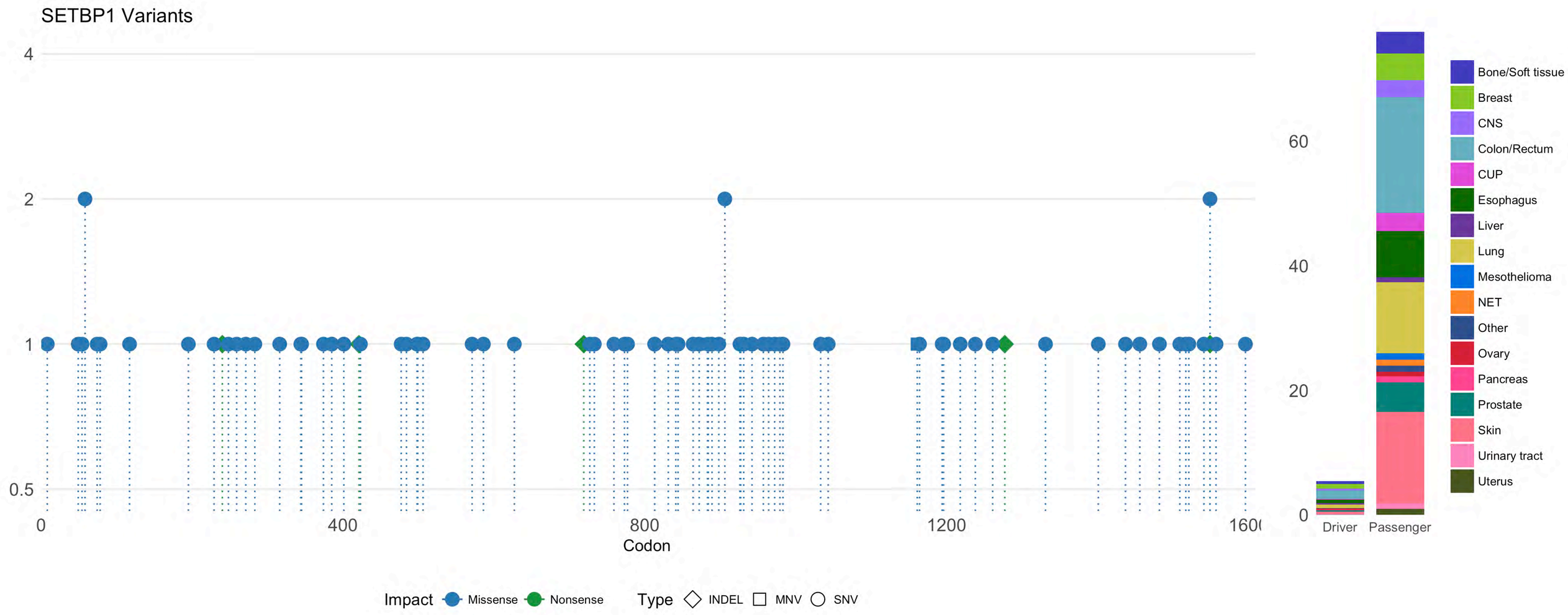

RAC1 Variants
p.Pro29Ser
Codon
Impact Missense MissenseOnHotspot
Type SNV
Driver Passenger
Bone/Soft tissue
Breast
Liver
Other
Prostate
Skin
Uterus

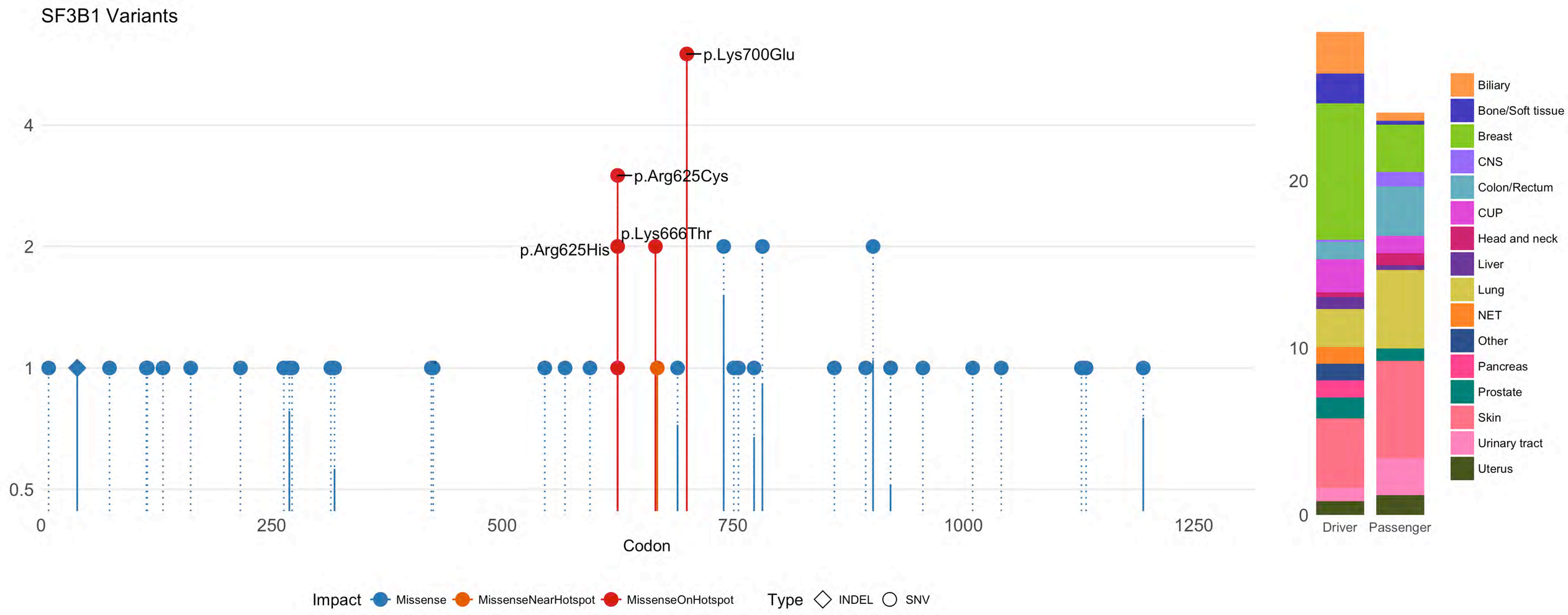

RAD21 Variants
Codon
Type INDEL MNV SNV
Impact Missense
Driver Passenger
Biliary
Breast
CNS
Colon/Rectum
Esophagus
Liver
Lung
Ovary
Pancreas
Skin
Urinary tract

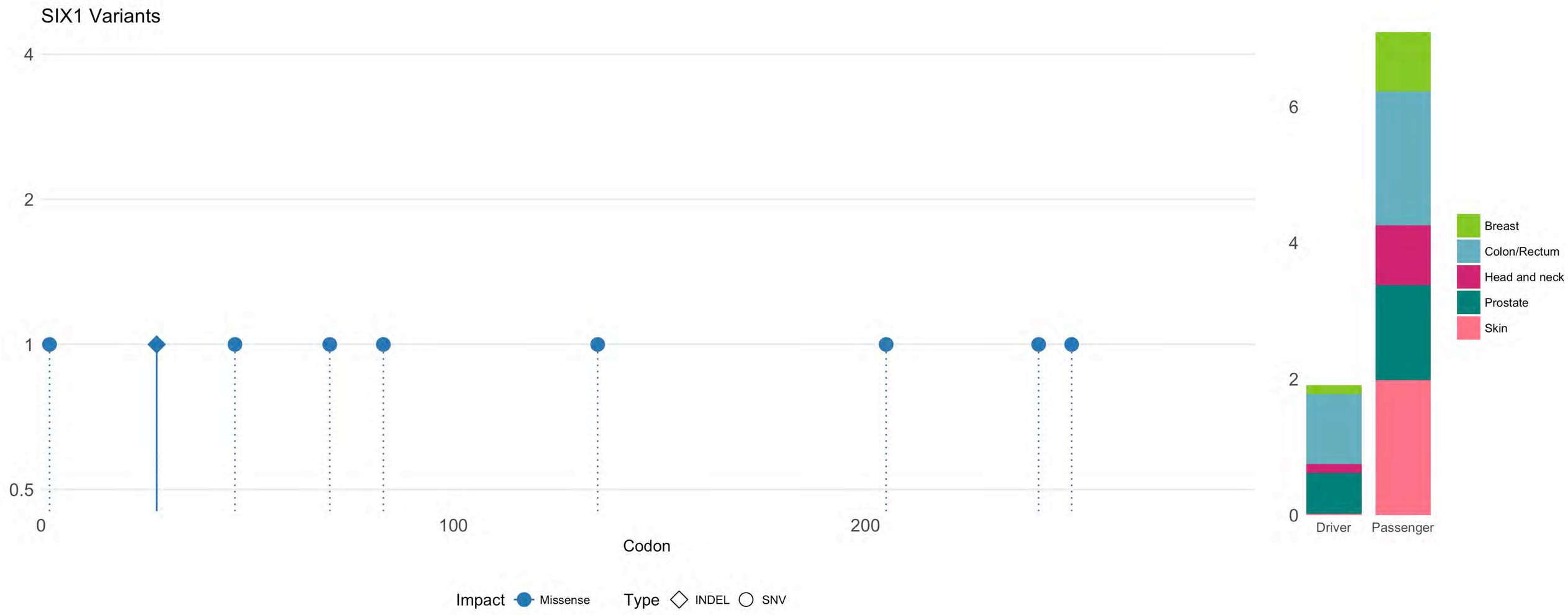

RET Variants
p.Met918Thr
Codon
Impact Missense MissenseOnHotspot Nonsense
Type INDEL SNV
Driver
Passenger
Breast
CNS
Colon/Rectum
Head and neck
Lung
NET
Other
Pancreas
Prostate
Skin
Urinary tract

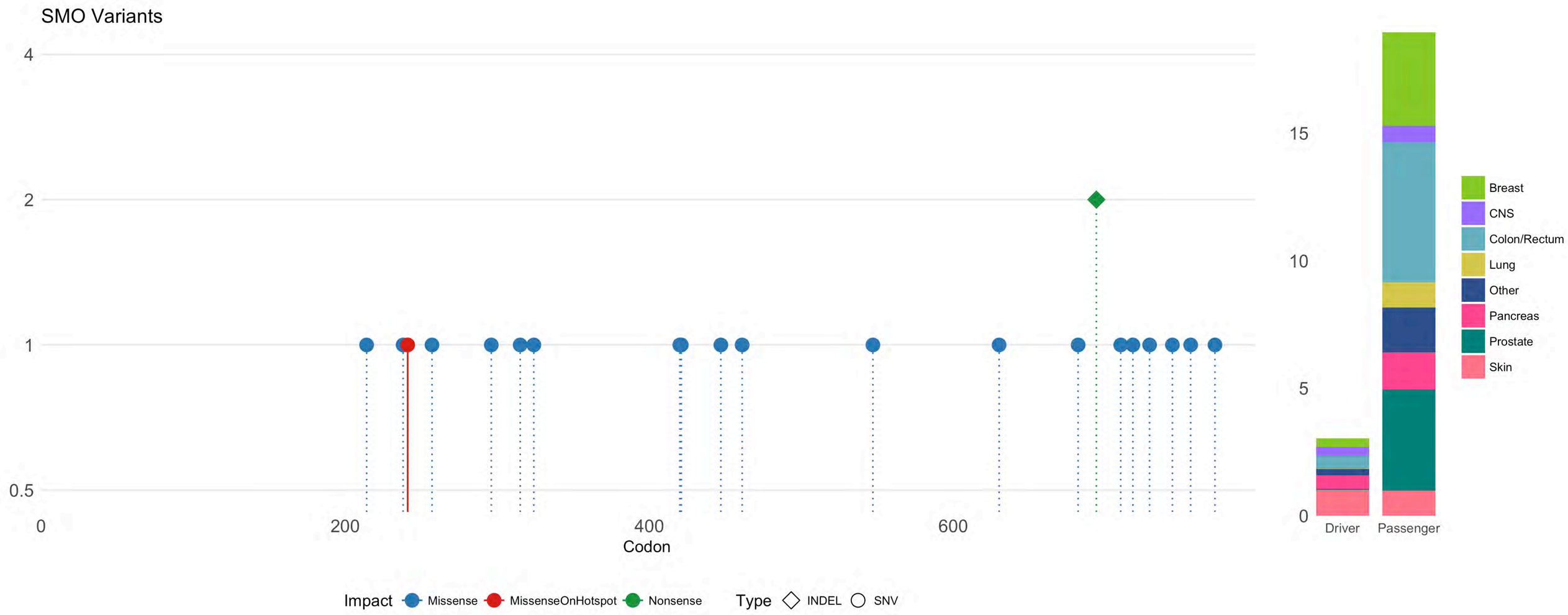

RHOA Variants
p.Arg5Gln
p.Gly17Glu
p.Glu40Gln
p.Tyr42Cys
Codon
Type MNV SNV
Impact Missense MissenseNearHotspot MissenseOnHotspot
Driver
Passenger
Breast
CNS
Colon/Rectum
Other
Prostate
Skin
Urinary tract
Uterus

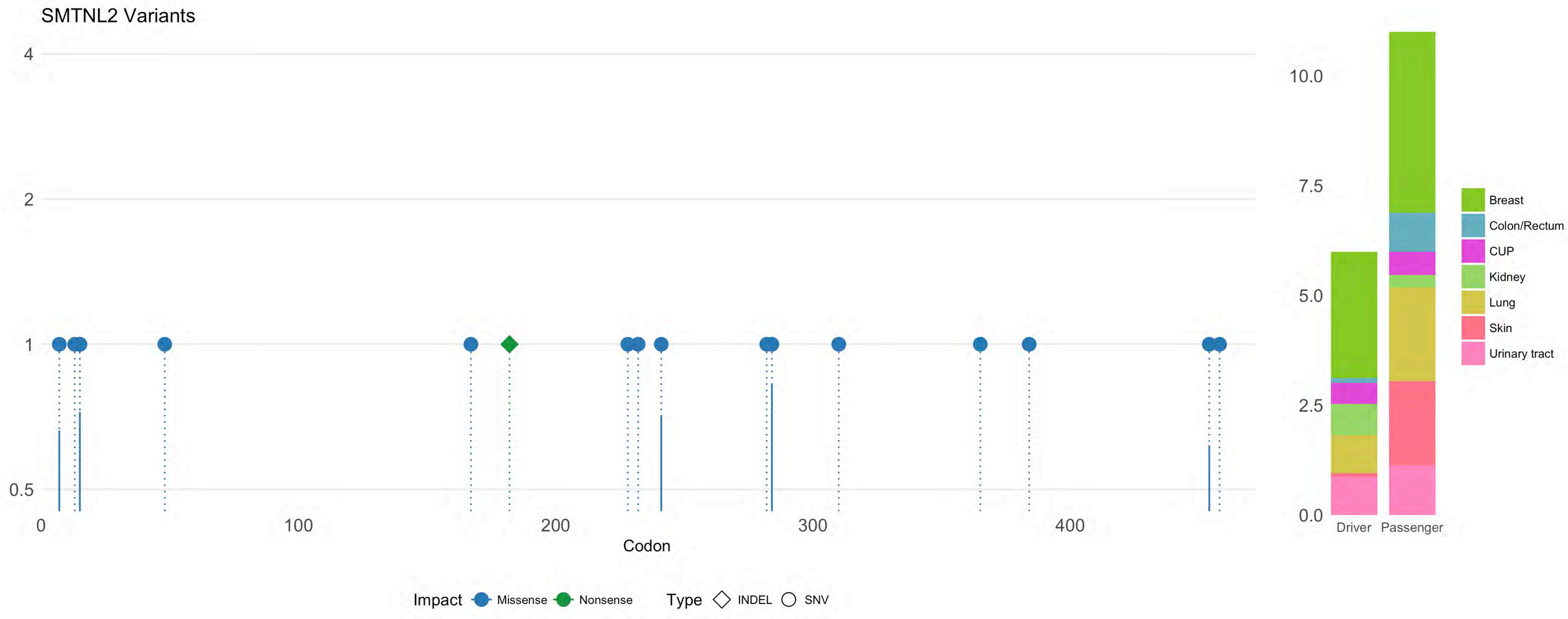

RPL22 Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Biliary
Breast
Colon/Rectum
Lung
NET
Other
Pancreas
Prostate
Skin
Uterus

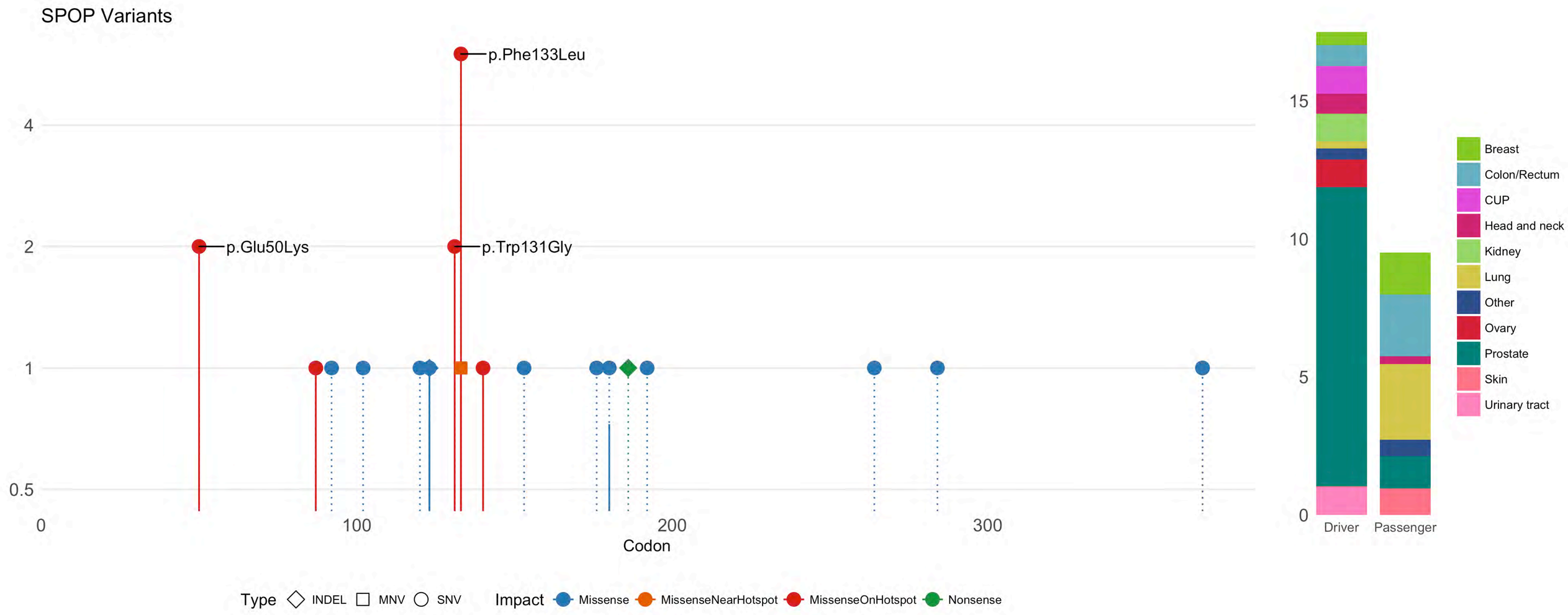

SETBP1 Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Liver
Lung
Mesothelioma
NET
Other
Ovary
Pancreas
Prostate
Skin
Urinary tract
Uterus

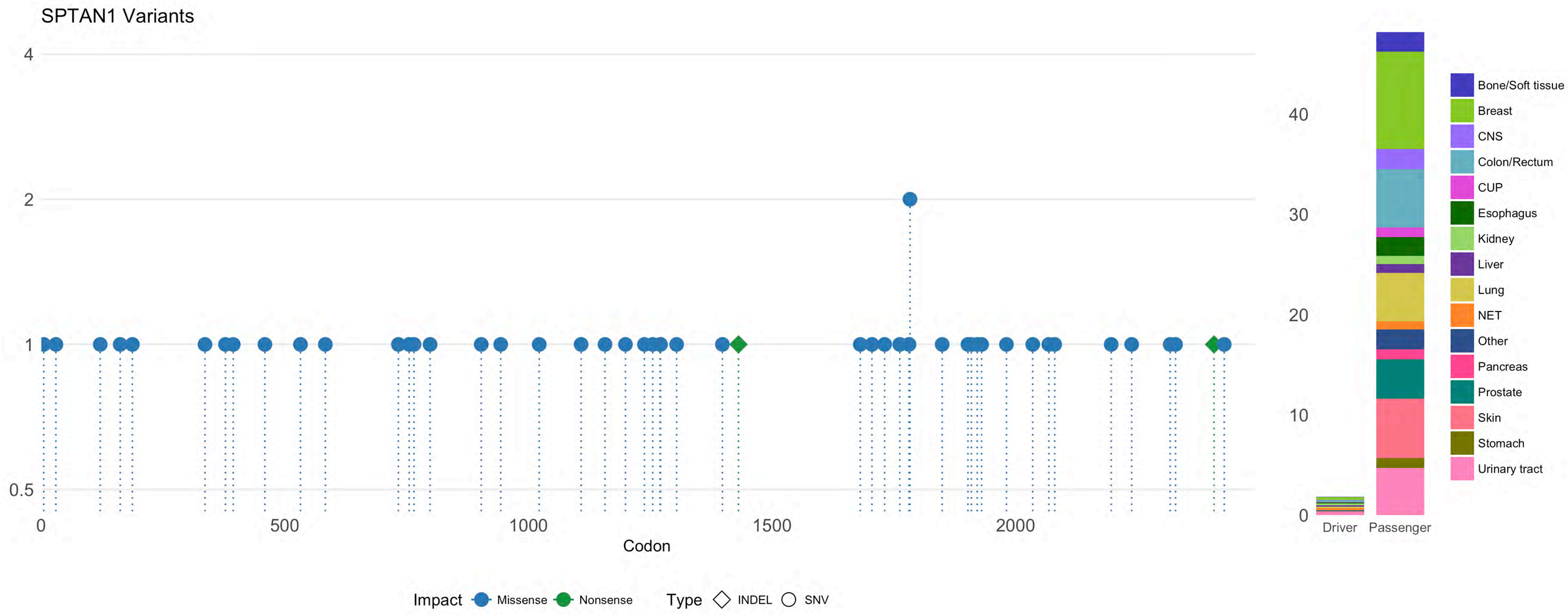

SF3B1 Variants
p.Lys700Glu
p.Arg625Cys
p.Lys666Thr
p.Arg625His
Codon
Impact Missense MissenseNearHotspot MissenseOnHotspot
Type INDEL SNV
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Head and neck
Liver
Lung
NET
Other
Pancreas
Prostate
Skin
Urinary tract
Uterus

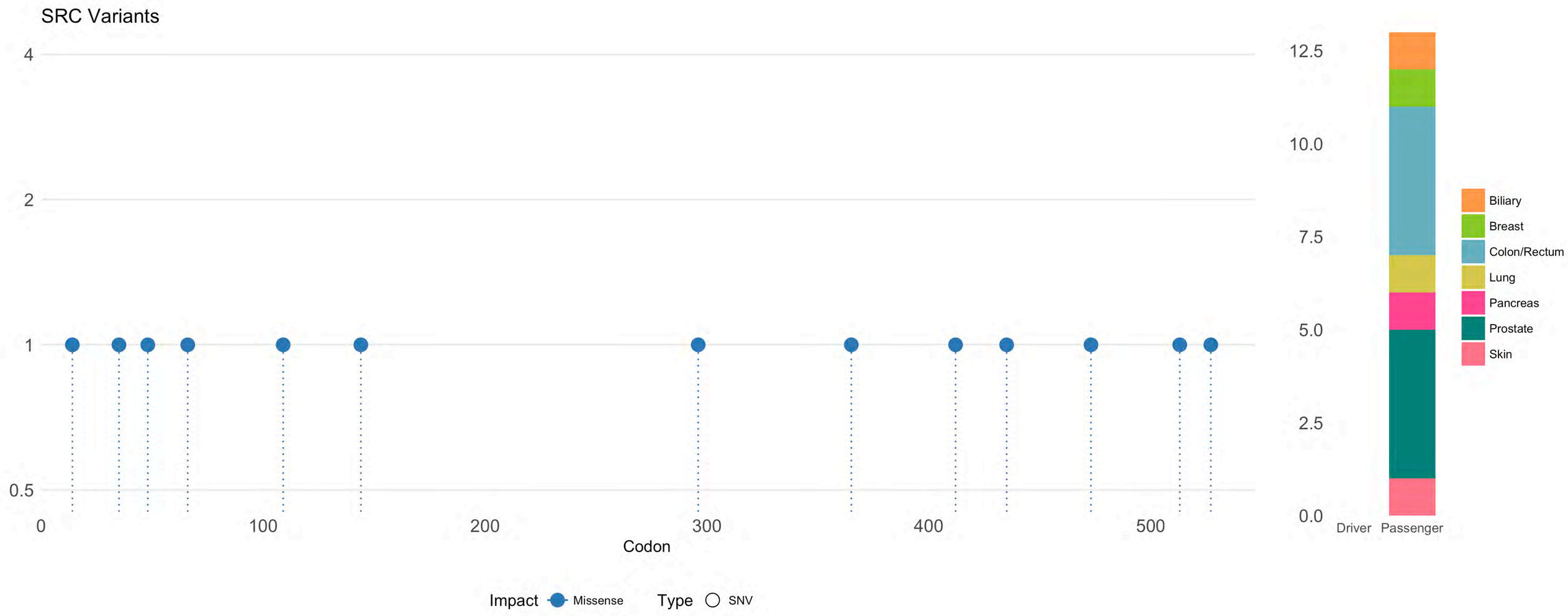

SIX1 Variants
Codon
Impact Missense
Type INDEL SNV
Driver
Passenger
Breast
Colon/Rectum
Head and neck
Prostate
Skin

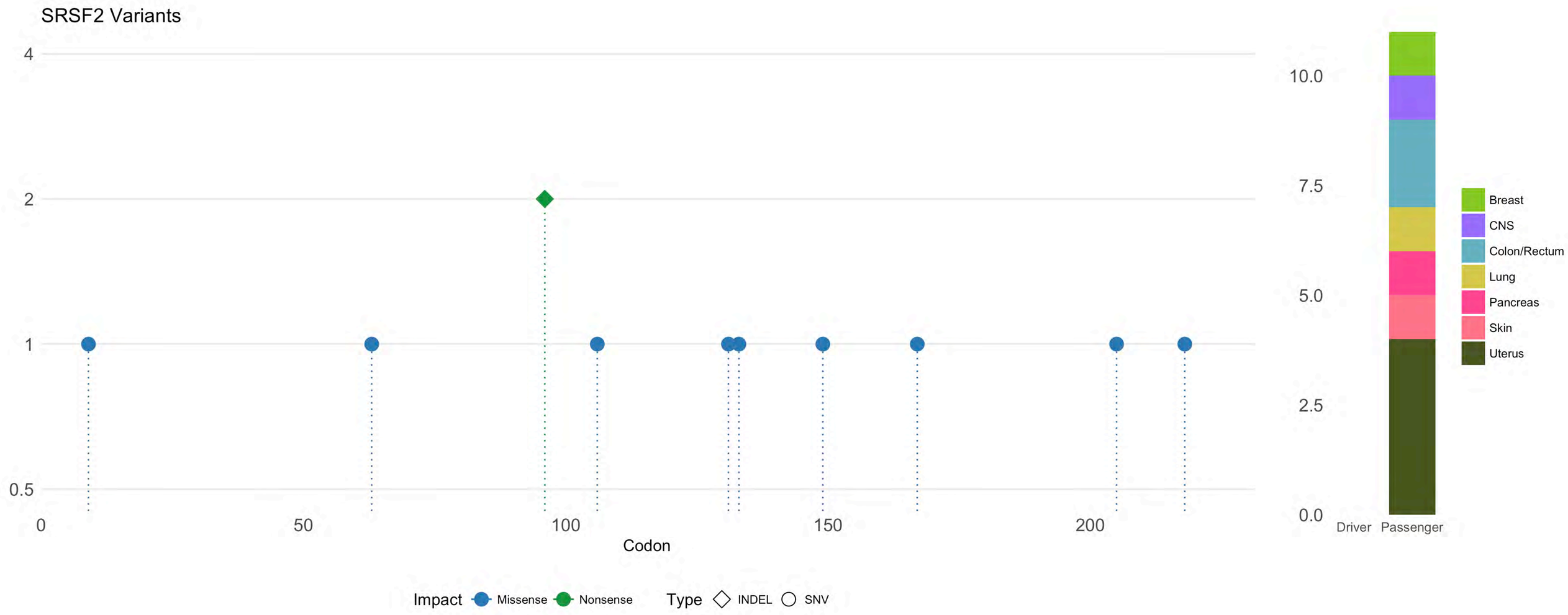

SMO Variants
Codon
Impact Missense MissenseOnHotspot Nonsense
Type INDEL SNV
Driver
Passenger
Breast
CNS
Colon/Rectum
Lung
Other
Pancreas
Prostate
Skin

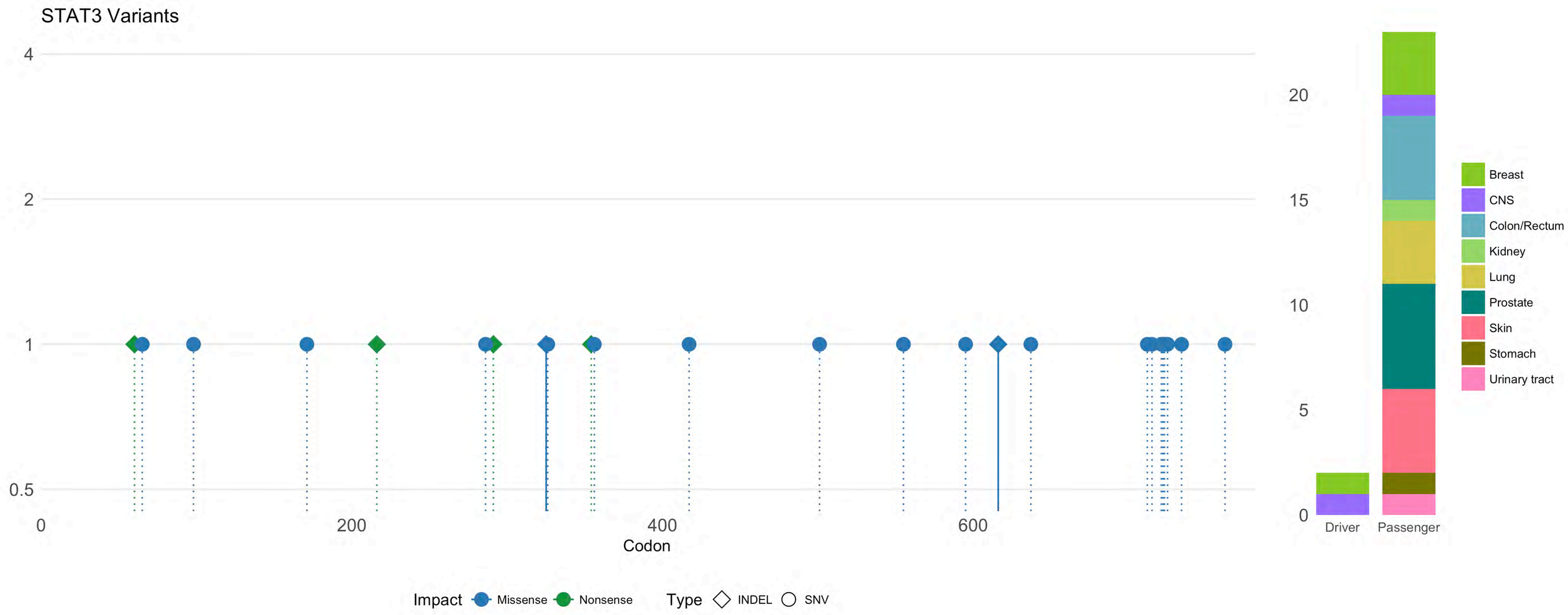

SMTNL2 Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Breast
Colon/Rectum
CUP
Kidney
Lung
Skin
Urinary tract

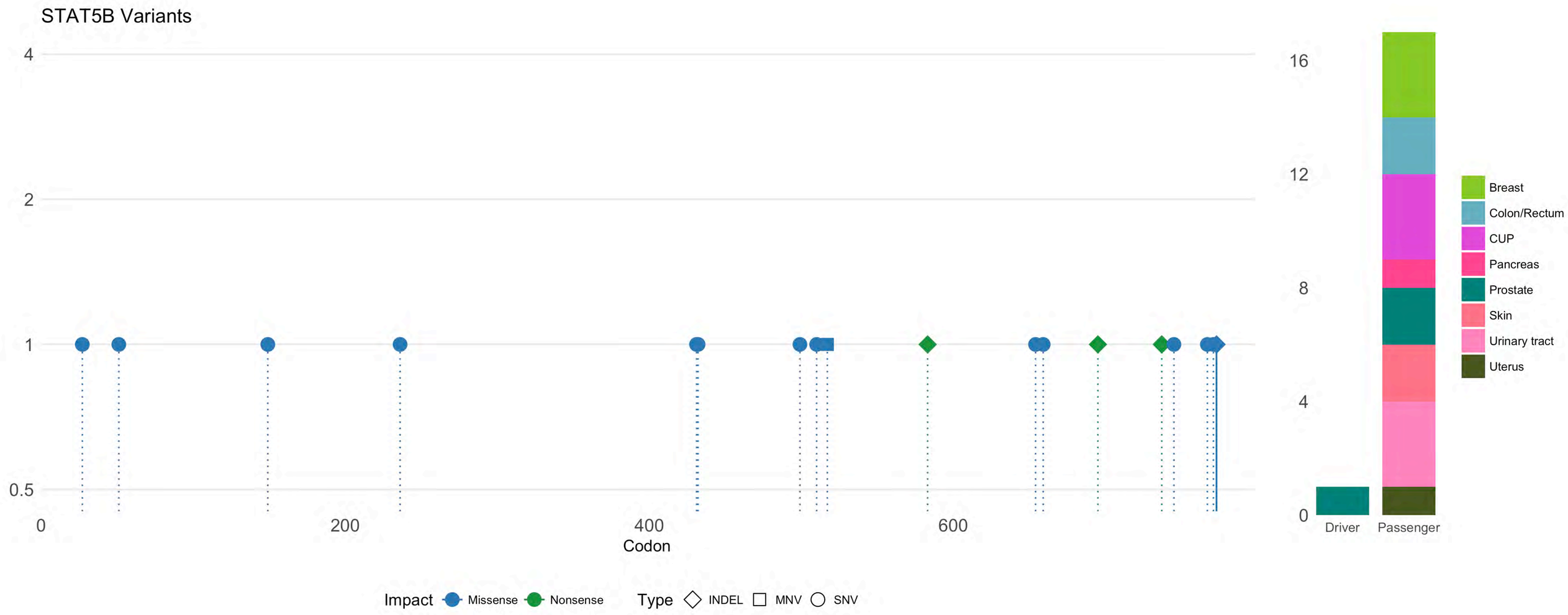

SPOP Variants
p.Phe133Leu
p.Glu50Lys
p.Trp131Gly
Codon
Type INDEL MNV SNV
Impact Missense MissenseNearHotspot MissenseOnHotspot Nonsense
Driver
Passenger
Breast
Colon/Rectum
CUP
Head and neck
Kidney
Lung
Other
Ovary
Prostate
Skin
Urinary tract

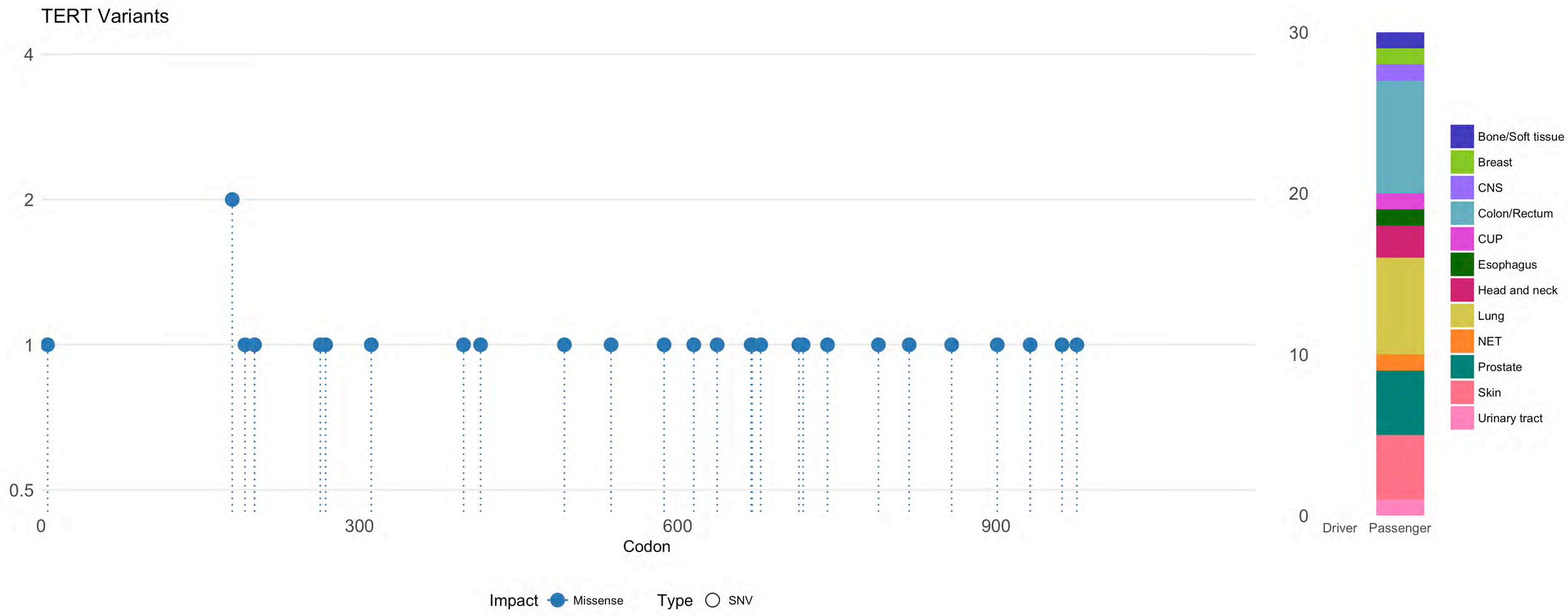

SPTAN1 Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Kidney
Liver
Lung
NET
Other
Pancreas
Prostate
Skin
Stomach
Urinary tract

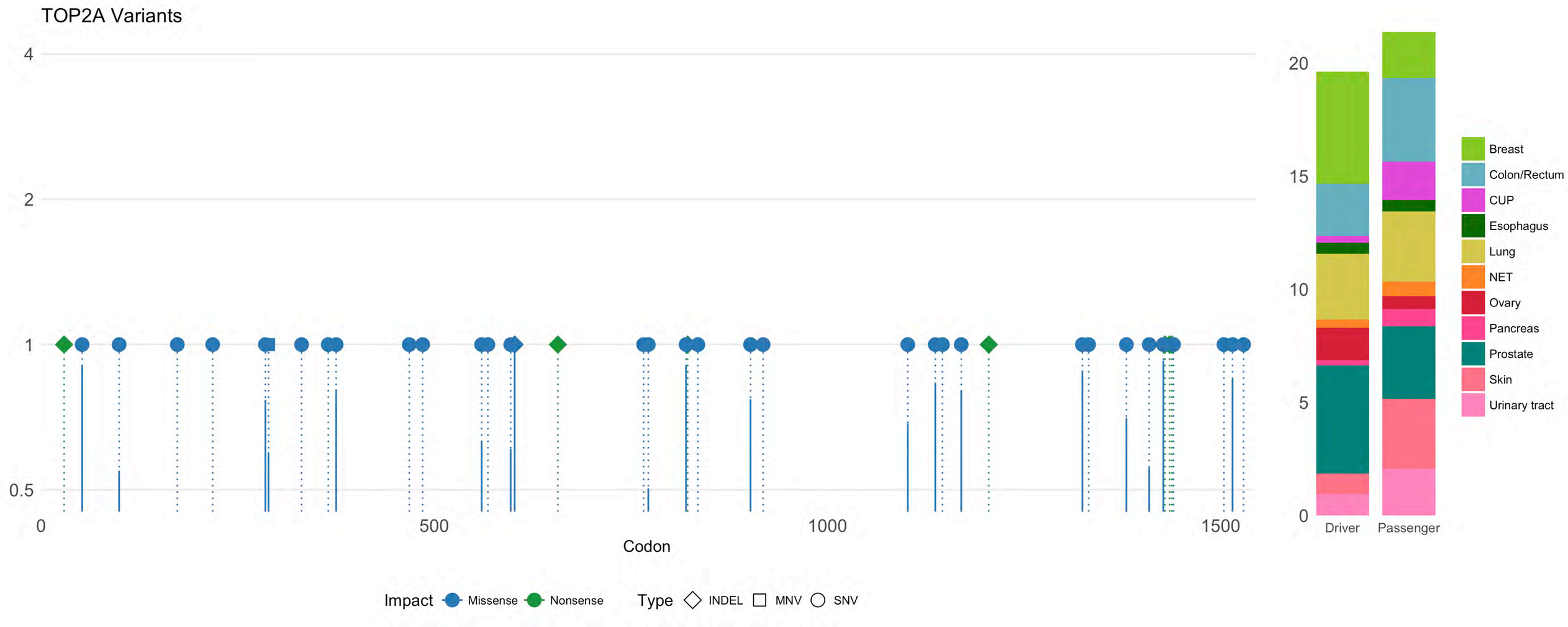

SRC Variants
Codon
Impact Missense
Type SNV
Driver
Passenger
Biliary
Breast
Colon/Rectum
Lung
Pancreas
Prostate
Skin

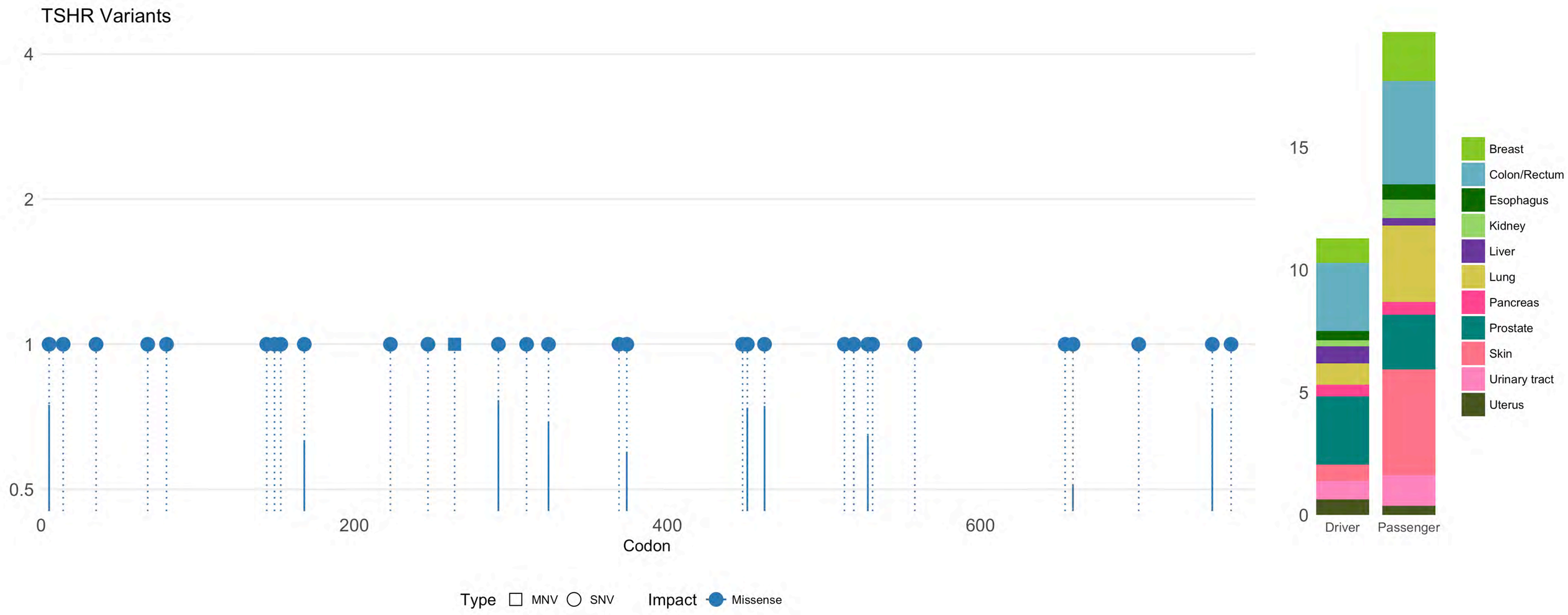

SRSF2 Variants
Codon
Impact Missense Nonsense
Type INDEL SNV
Driver
Passenger
Breast
CNS
Colon/Rectum
Lung
Pancreas
Skin
Uterus

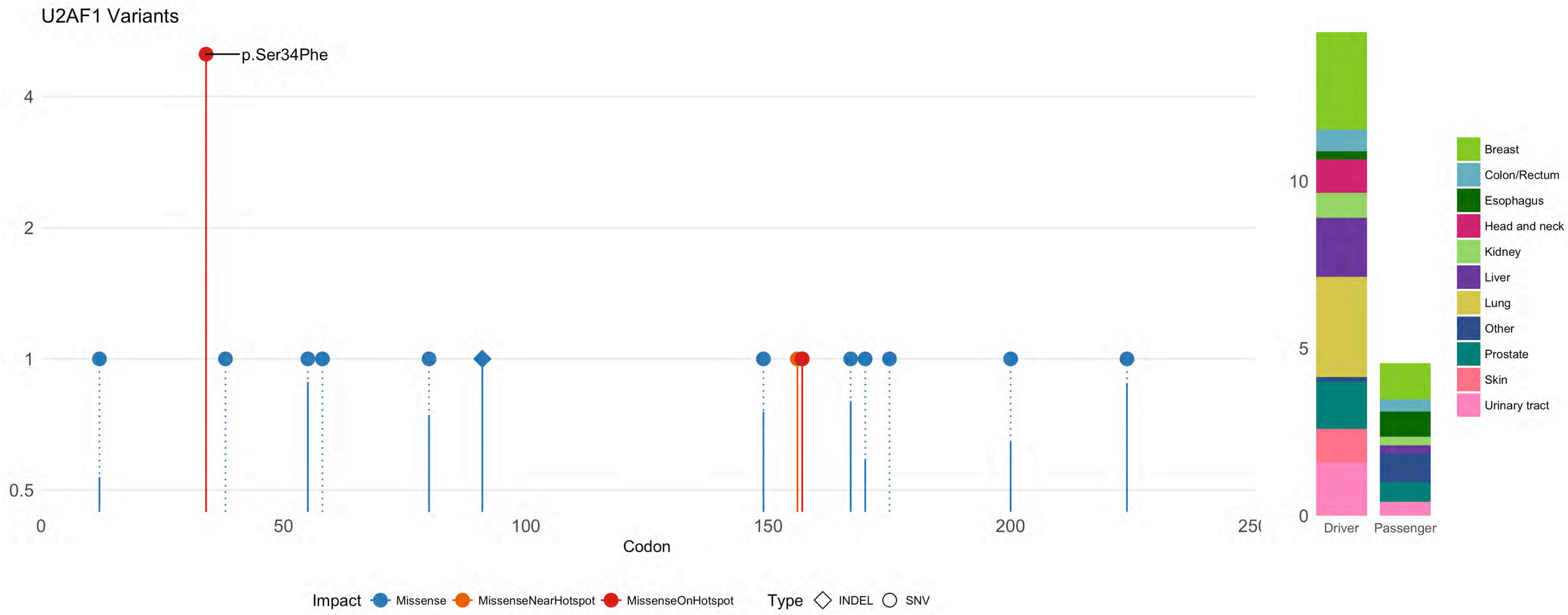

STAT3 Variants
4
2
1
0.5
0
200
400
600
Codon
Impact
Missense
Nonsense
Type
INDEL
SNV
20
15
10
5
0
Driver
Passenger
Breast
CNS
Colon/Rectum
Kidney
Lung
Prostate
Skin
Stomach
Urinary tract

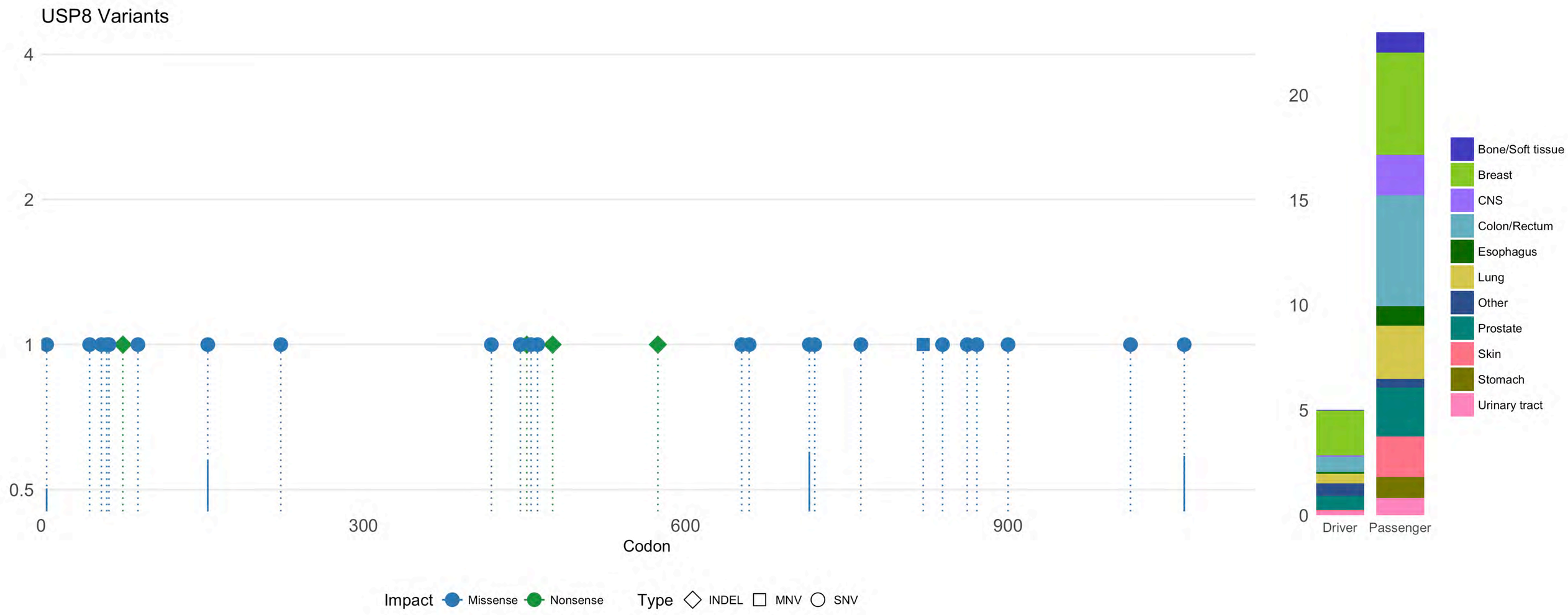

STAT5B Variants
4
2
1
0.5
0
200
400
600
Codon
Impact
Missense
Nonsense
Type
INDEL
MNV
SNV
16
12
8
4
0
Driver
Passenger
Breast
Colon/Rectum
CUP
Pancreas
Prostate
Skin
Urinary tract
Uterus

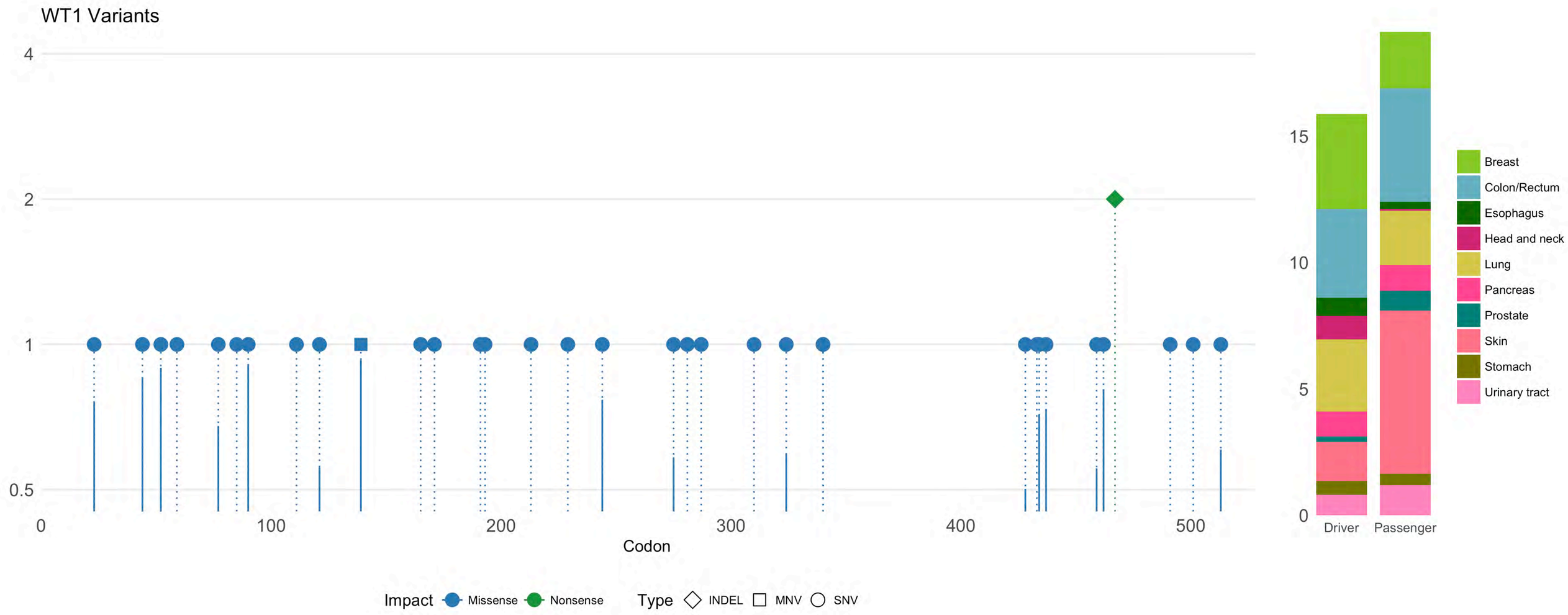

TERT Variants
4
2
1
0.5
0
300
600
900
Codon
Impact
Missense
Type
SNV
30
20
10
0
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
CUP
Esophagus
Head and neck
Lung
NET
Prostate
Skin
Urinary tract

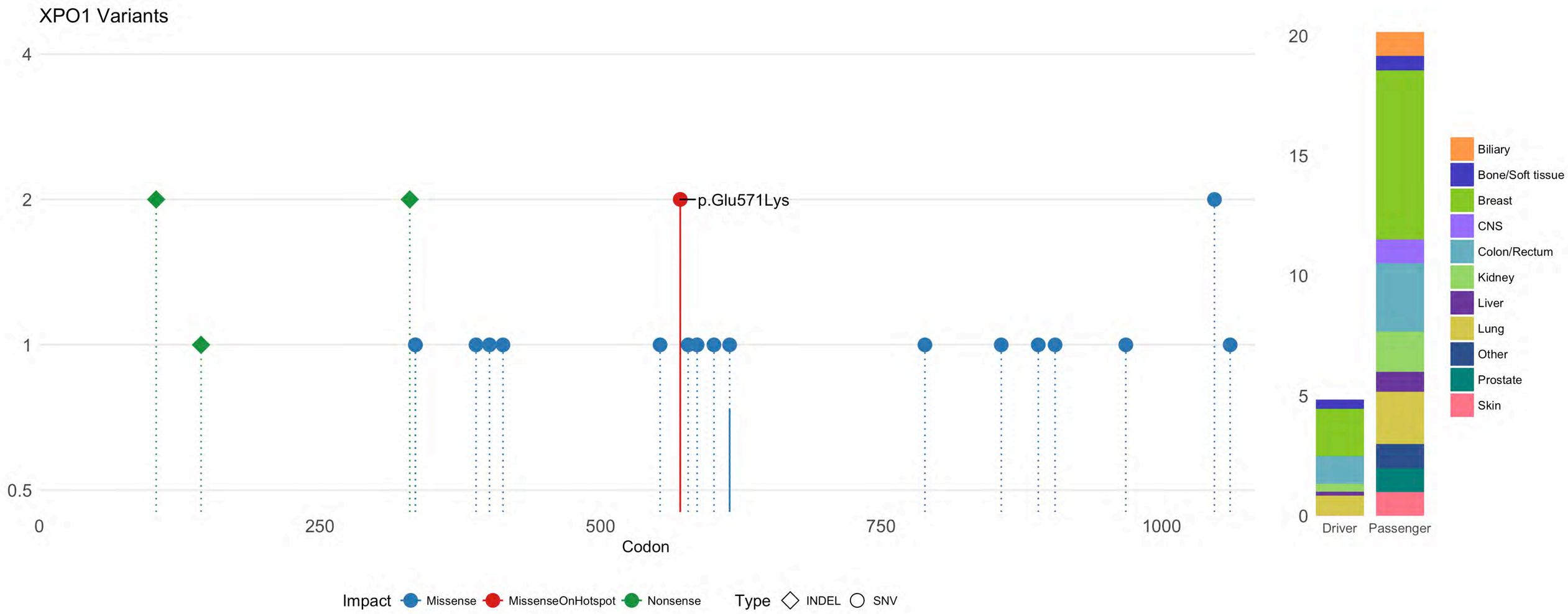

TOP2A Variants
4
2
1
0.5
0
500
1000
1500
Codon
Impact
Missense
Nonsense
Type
INDEL
MNV
SNV
20
15
10
5
0
Driver
Passenger
Breast
Colon/Rectum
CUP
Esophagus
Lung
NET
Ovary
Pancreas
Prostate
Skin
Urinary tract

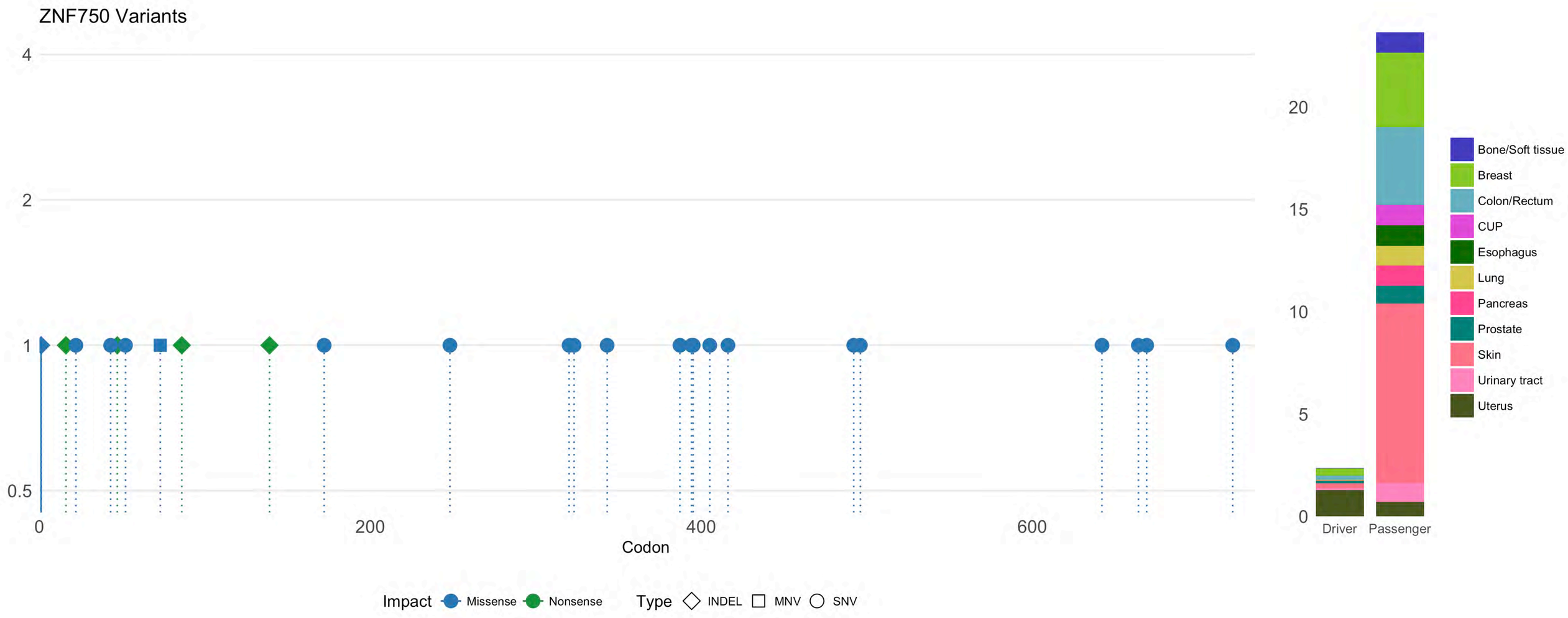

TSHR Variants
Codon
Type MNV SNV
Impact Missense
Driver
Passenger
Breast
Colon/Rectum
Esophagus
Kidney
Liver
Lung
Pancreas
Prostate
Skin
Urinary tract
Uterus


U2AF1 Variants
p.Ser34Phe
Codon
Impact Missense MissenseNearHotspot MissenseOnHotspot
Type INDEL SNV
Driver
Passenger
Breast
Colon/Rectum
Esophagus
Head and neck
Kidney
Liver
Lung
Other
Prostate
Skin
Urinary tract


USP8 Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Driver
Passenger
Bone/Soft tissue
Breast
CNS
Colon/Rectum
Esophagus
Lung
Other
Prostate
Skin
Stomach
Urinary tract


WT1 Variants
Codon
Impact Missense Nonsense
Type INDEL MNV SNV
Driver
Passenger
Breast
Colon/Rectum
Esophagus
Head and neck
Lung
Pancreas
Prostate
Skin
Stomach
Urinary tract


XPO1 Variants
4
2
1
0.5
0
250
500
750
1000
Codon
p.Glu571Lys
20
15
10
5
0
Driver
Passenger
Biliary
Bone/Soft tissue
Breast
CNS
Colon/Rectum
Kidney
Liver
Lung
Other
Prostate
Skin
Impact
Missense
MissenseOnHotspot
Nonsense
Type
INDEL
SNV


ZNF750 Variants
4
2
1
0.5
0
200
400
600
Codon
20
15
10
5
0
Driver
Passenger
Bone/Soft tissue
Breast
Colon/Rectum
CUP
Esophagus
Lung
Pancreas
Prostate
Skin
Urinary tract
Uterus
Impact
Missense
Nonsense
Type
INDEL
MNV
SNV