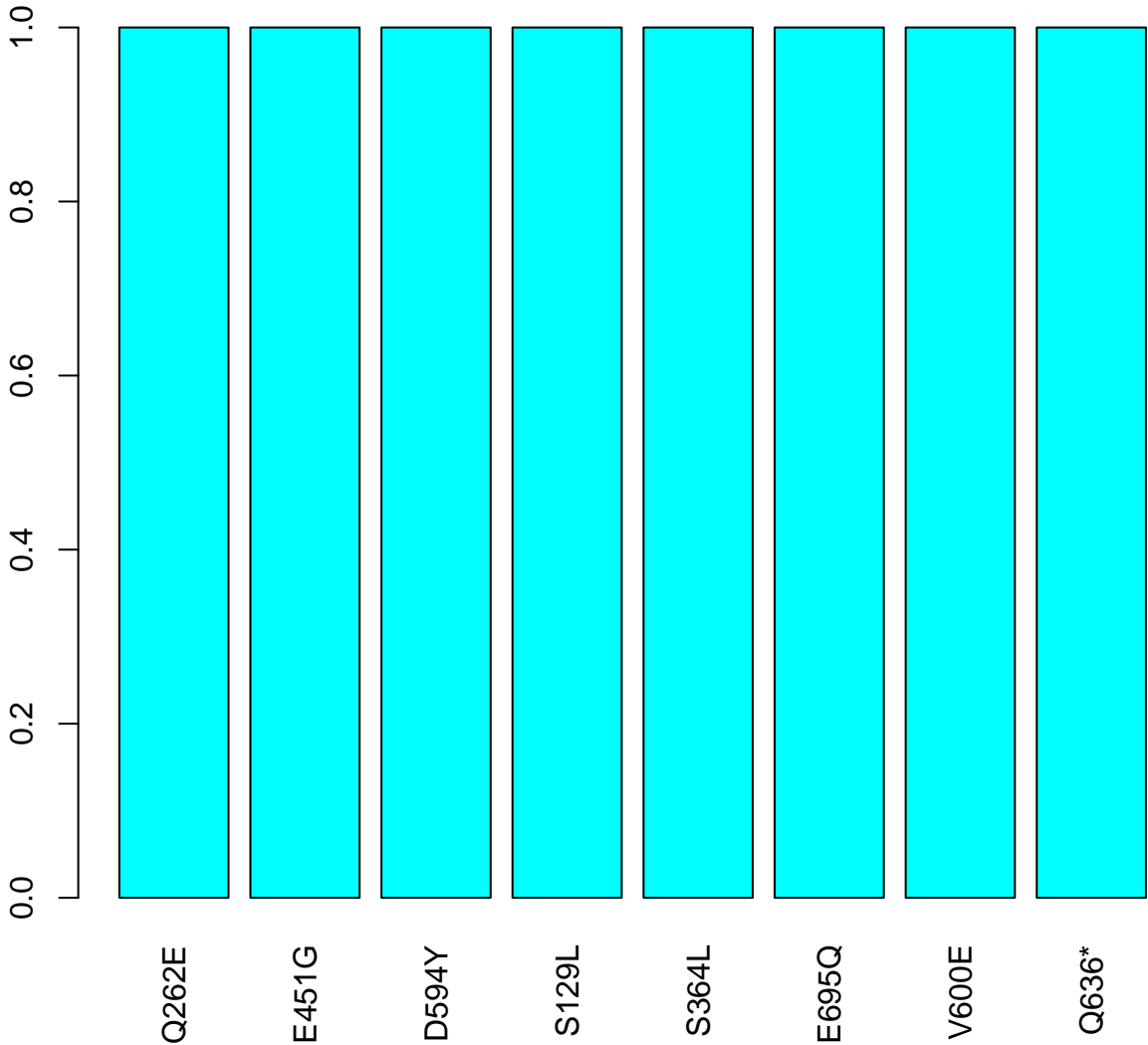


## Table of TCGA Cancer Codes

TCGA code	Cancer type	Number*
ACC	Adrenocortical carcinoma	90
BLCA	Bladder urothelial carcinoma	396
BRCA	Breast invasive carcinoma	988
CESC	Cervical squamous cell carcinoma and endocervical adenocarcinoma	194
CHOL	Cholangiocarcinoma (bile duct)	35
COAD	Colon adenocarcinoma	367
DLBC	Lymphoid neoplasm diffuse large B-cell lymphoma	48
ESCA	Esophageal carcinoma	185
GBM	Glioblastoma multiforme	290
HNSC	Head and neck squamous cell carcinoma	513
KICH	Kidney chromophobe	66
KIRC	Kidney renal clear cell carcinoma	451
KIRP	Kidney renal papillary cell carcinoma	282
LAML	Acute myeloid leukemia	197
LGG	Brain lower grade glioma	533
LIHC	Liver hepatocellular carcinoma	373
LUAD	Lung adenocarcinoma	546
LUSC	Lung squamous cell carcinoma	178
OV	Ovarian serous cystadenocarcinoma	469
PAAD	Pancreatic adenocarcinoma	185
PCPG	Pheochromocytoma and paraganglioma (adrenal gland)	184
PRAD	Prostate adenocarcinoma	499
READ	Rectum adenocarcinoma	122
SARC	Sarcoma	247
SKCM	Skin cutaneous melanoma	371
STAD	Stomach adenocarcinoma	395
TGCT	Testicular germ cell tumors	155
THCA	Thyroid carcinoma	504
THYM	Thymoma	123
UCEC	Uterine corpus endometrial carcinoma	248
UCS	Uterine carcinosarcoma	57
UVM	Uveal melanoma	8

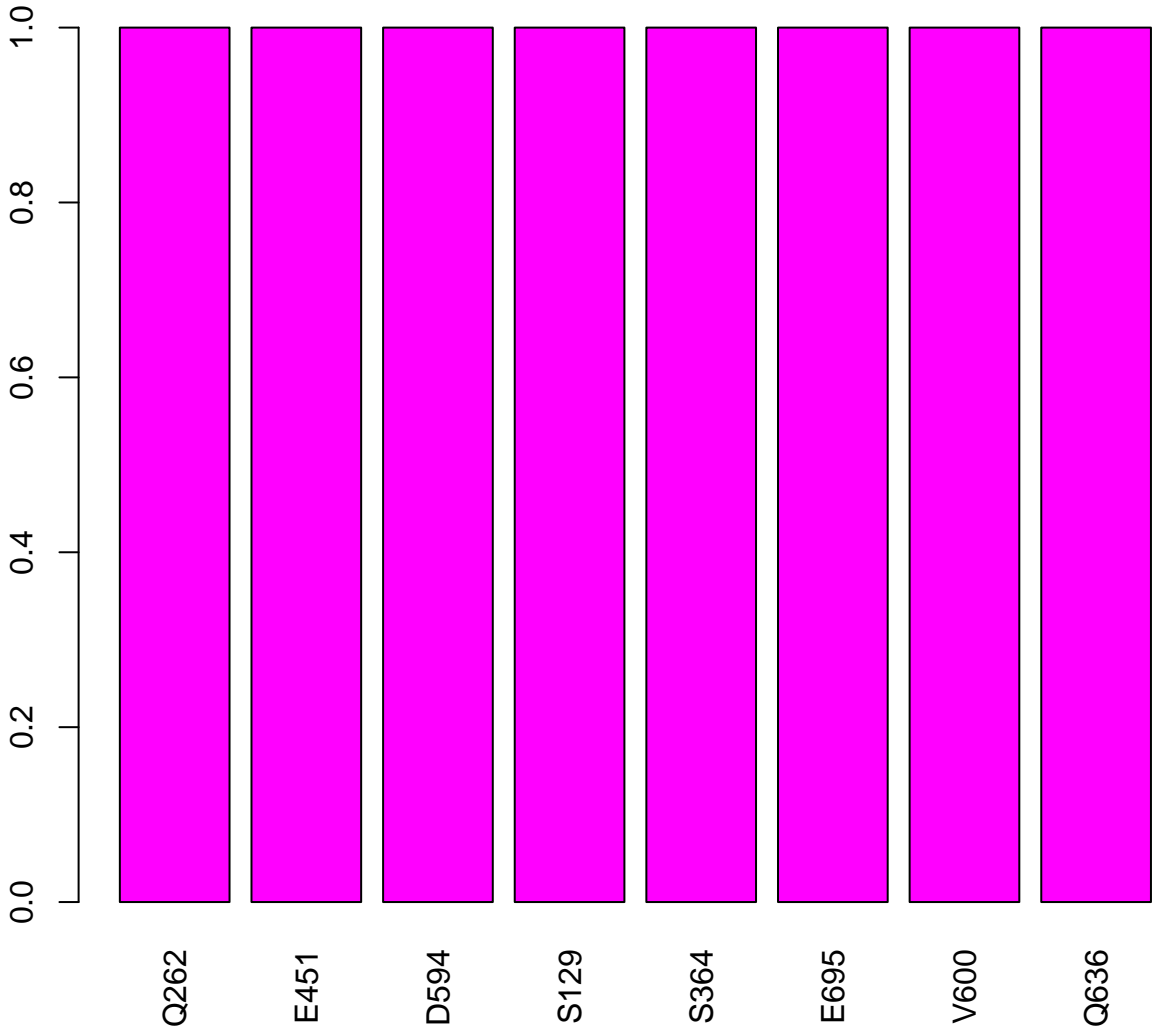
\*Number of samples with mutation data

BRAF mutant **alleles** in **bladder** urothelial carcinoma (N=396)



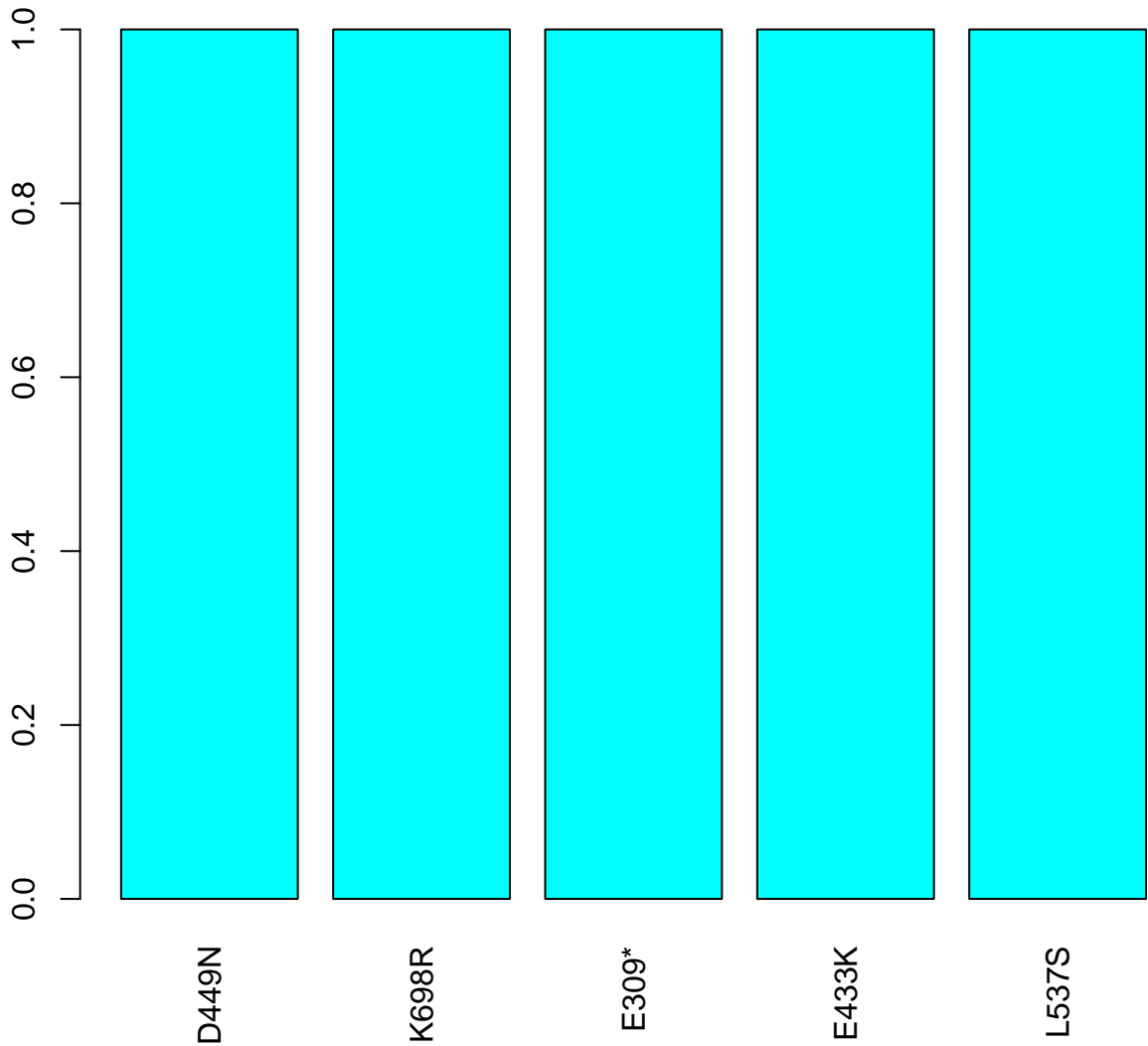
NbrSamples=396 Mutant Samples=9 Total Mutations=8

BRAF mutant **positions** in **bladder** urothelial carcinoma (N=396)



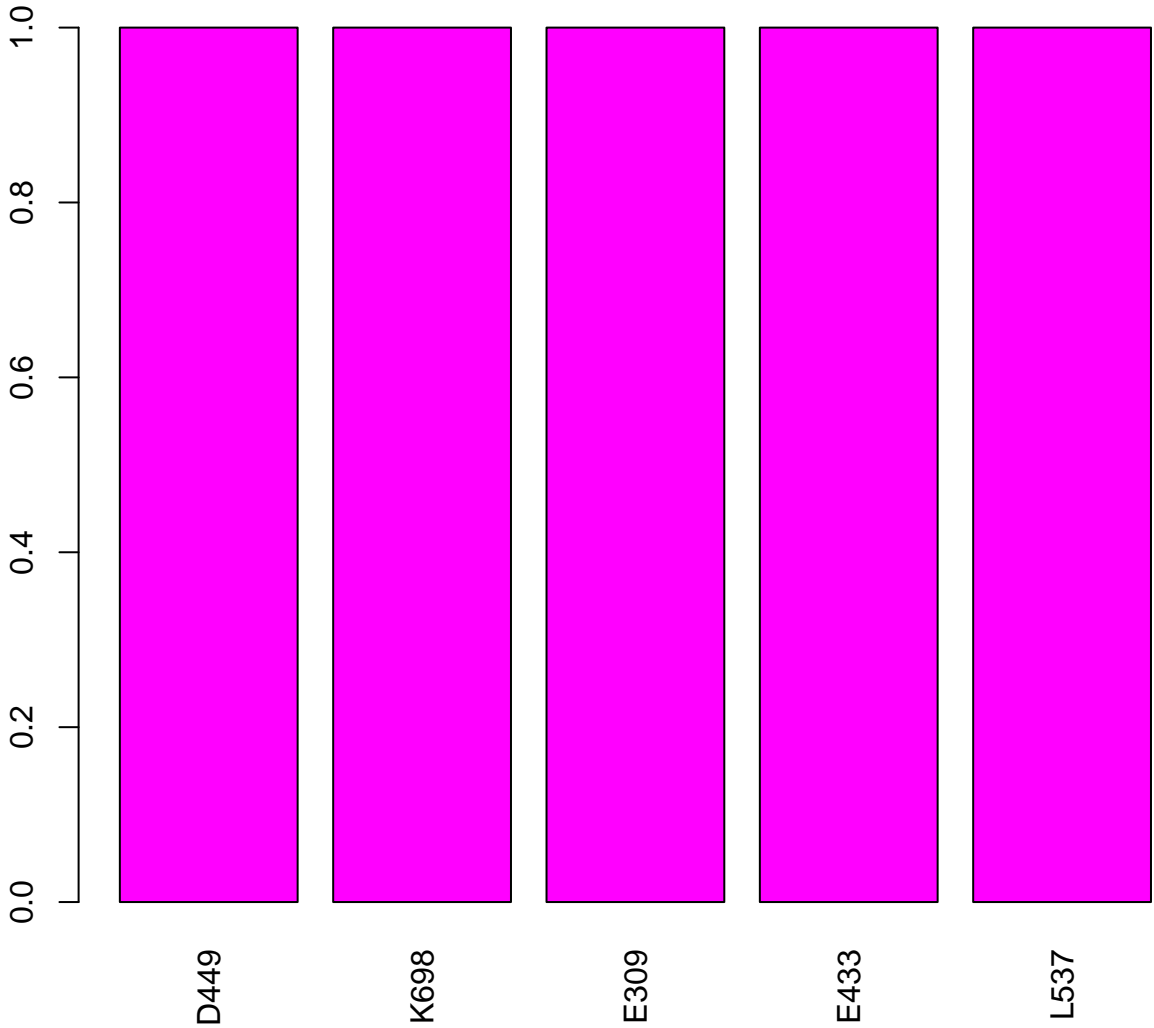
NbrSamples=396 Mutant Samples=9 Total Mutations=8

BRAF mutant **alleles** in **breast** invasive carcinoma (N=988)



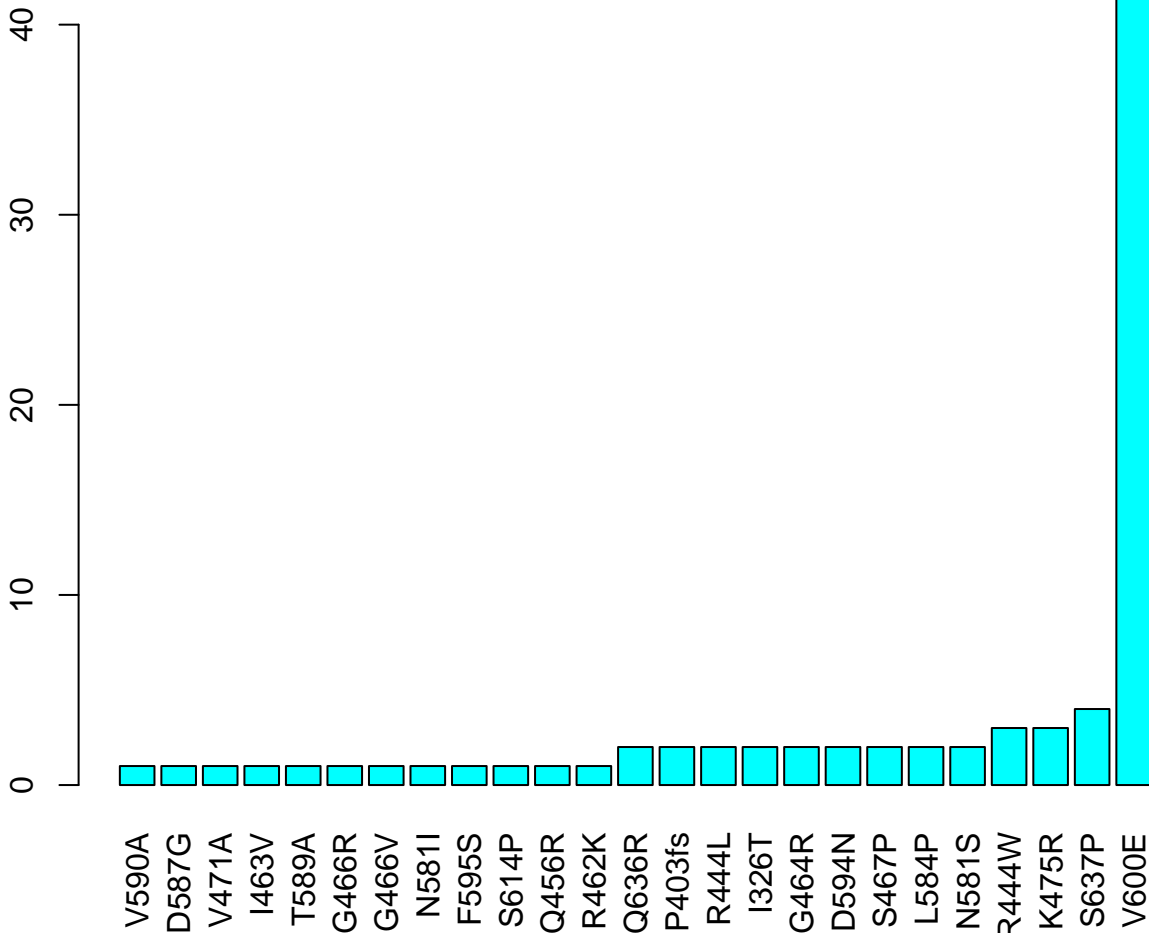
NbrSamples=988 Mutant Samples=5 Total Mutations=5

BRAF mutant **positions** in **breast** invasive carcinoma (N=988)



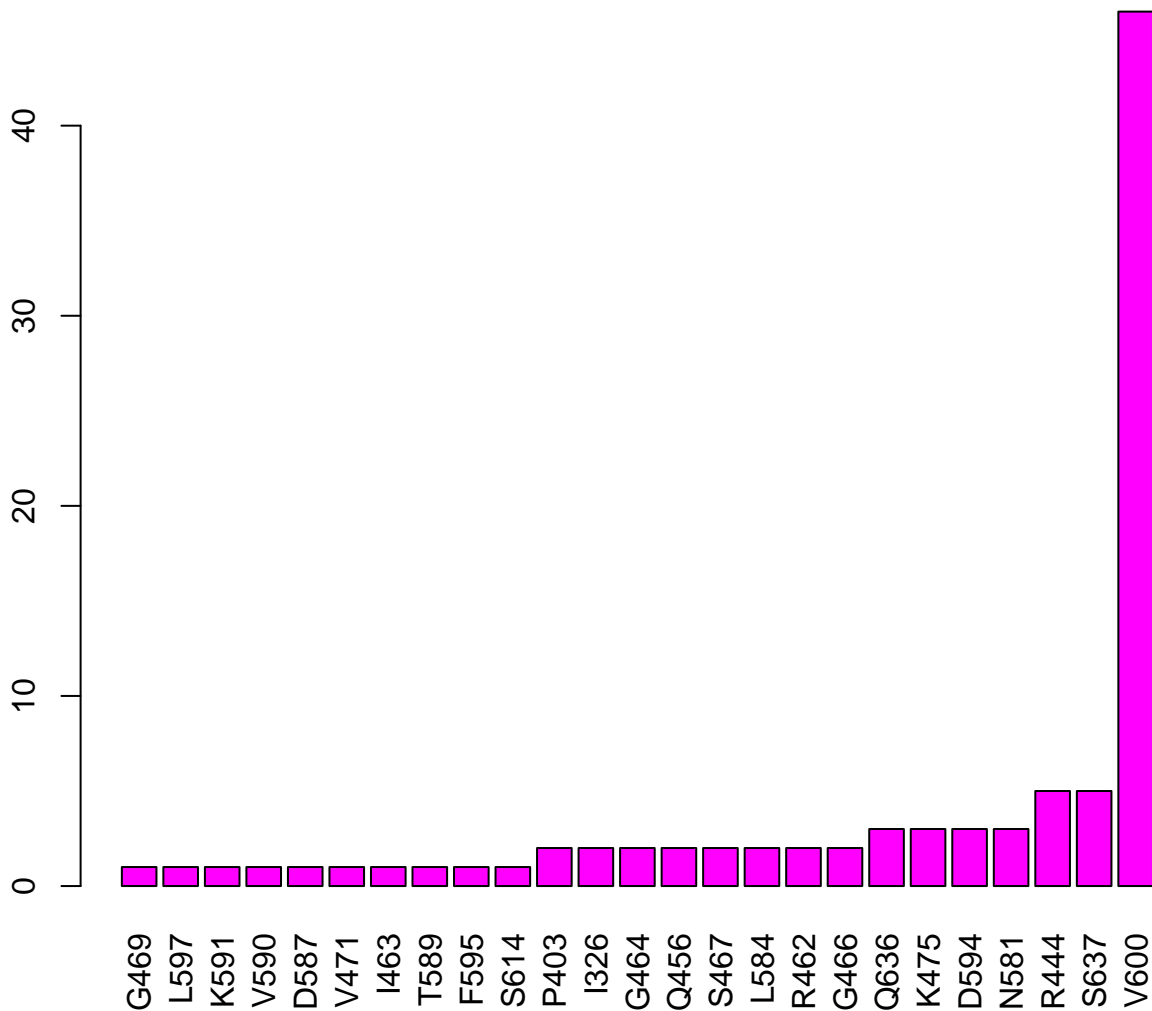
NbrSamples=988 Mutant Samples=5 Total Mutations=5

BRAF mutant **alleles** in **colon** adenocarcinoma (N=367), **top 25**



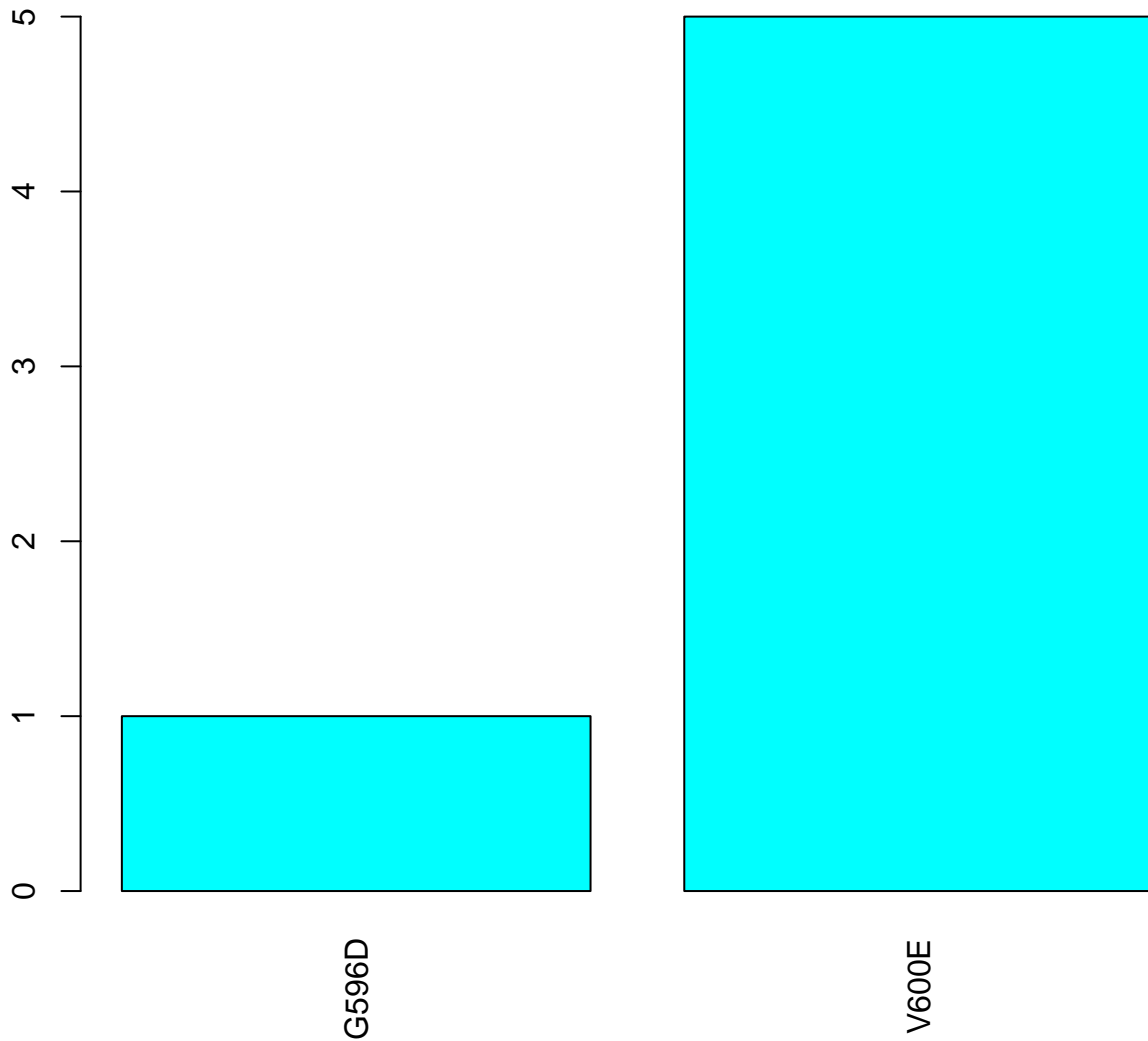
NbrSamples=367 Mutant Samples=96 Total Mutations=111(25 not shown)

BRAF mutant **positions** in **colon** adenocarcinoma (N=367), **top 25**



NbrSamples=367 Mutant Samples=96 Total Mutations=111 (17 not shown)

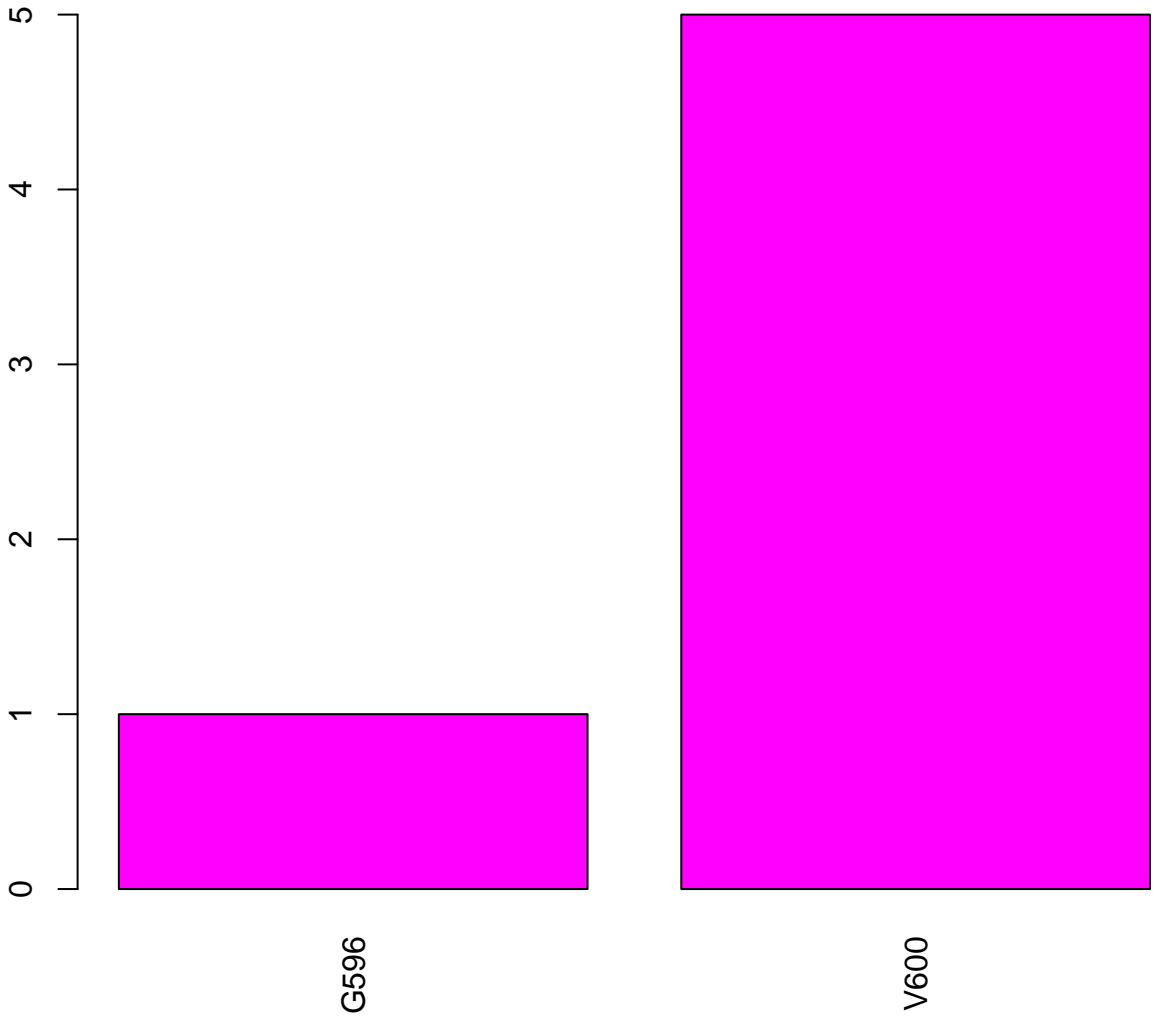
BRAF mutant alleles in glioblastoma multiforme (N=290)



NbrSamples=290 Mutant Samples=6 Total Mutations=6

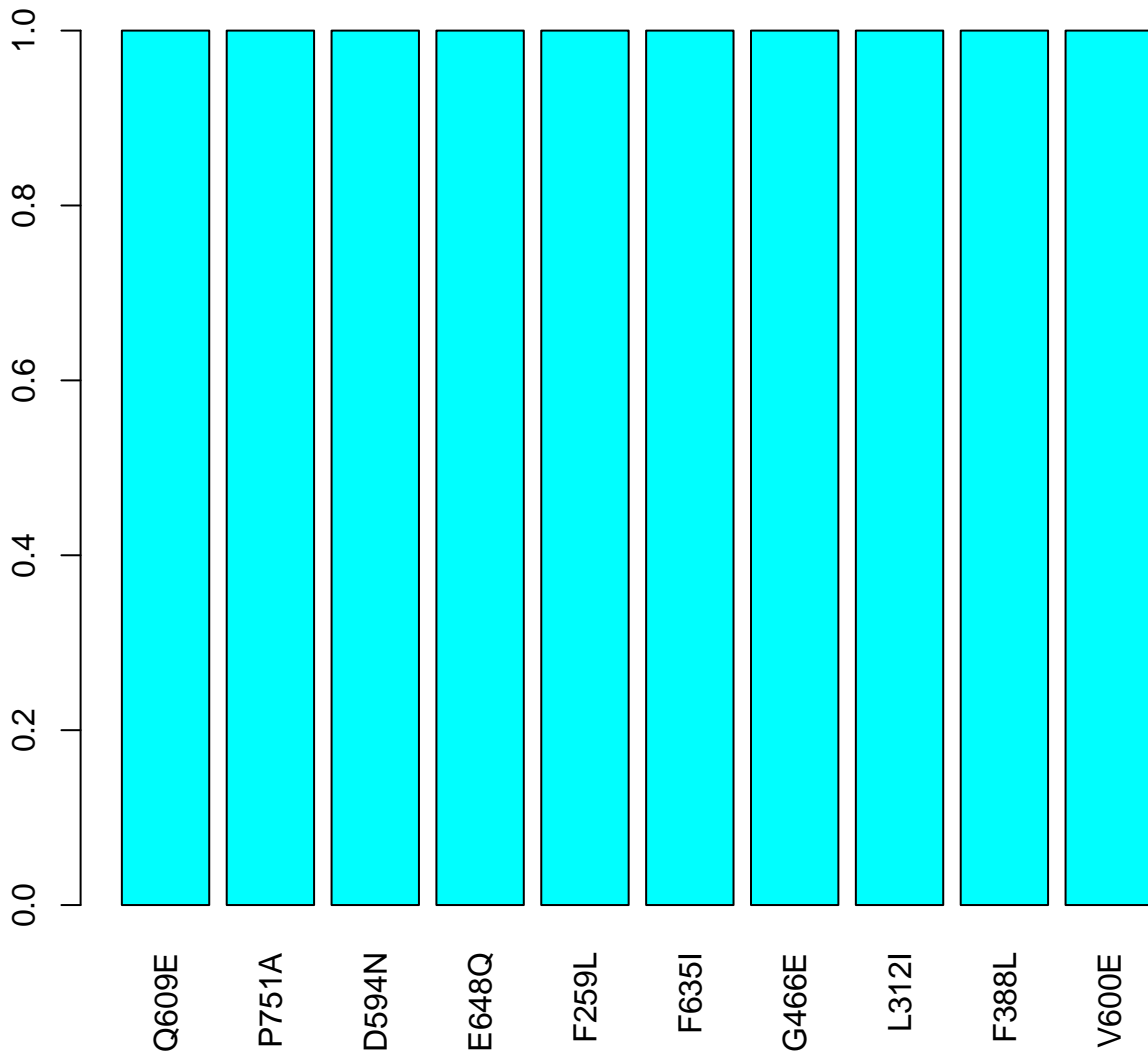


BRAF mutant **positions** in **glioblastoma** multiforme (N=290)



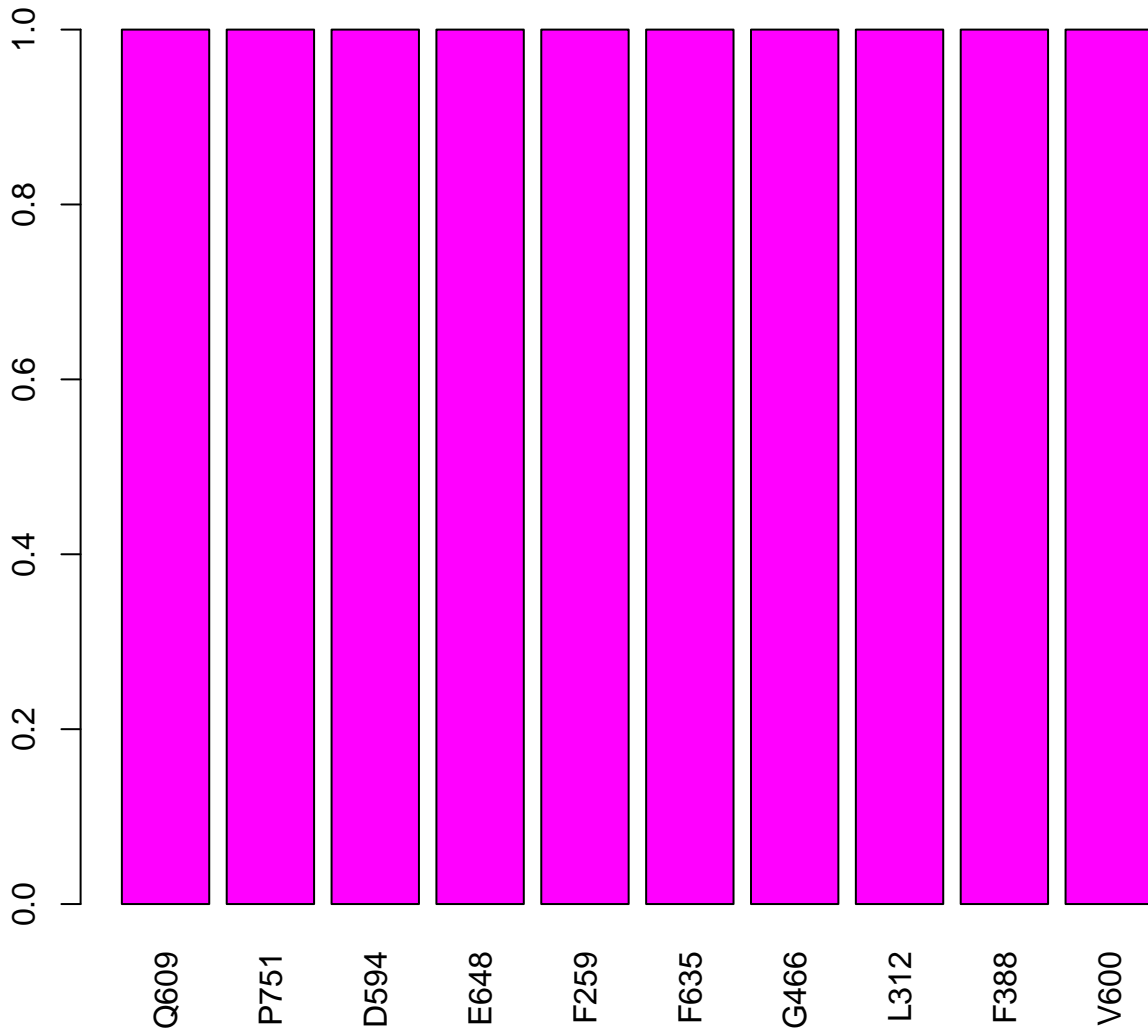
NbrSamples=290 Mutant Samples=6 Total Mutations=6

BRAF mutant **alleles** in **head and neck** squamous cell carcinoma (N=513)



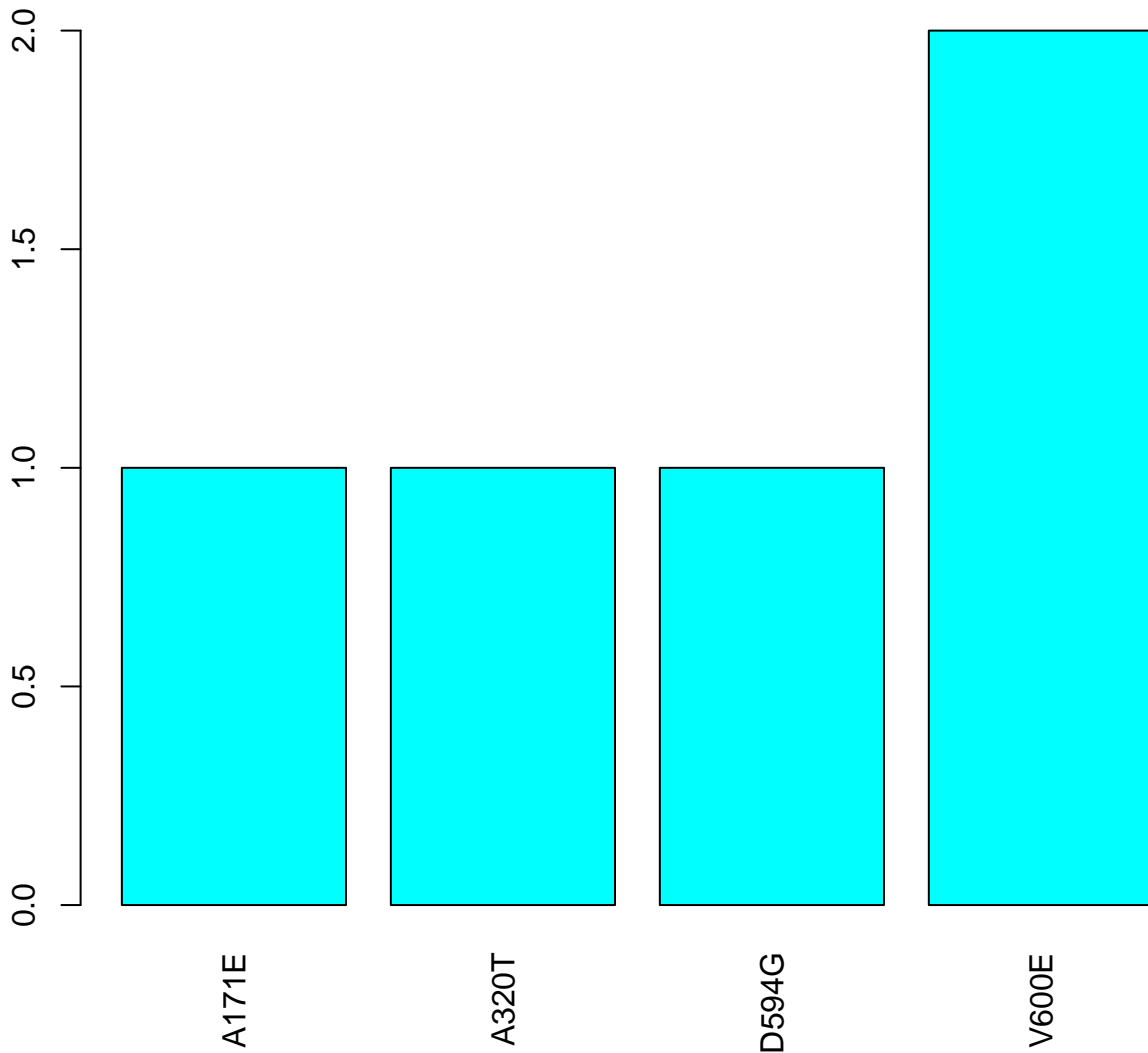
NbrSamples=513 Mutant Samples=9 Total Mutations=10

BRAF mutant **positions** in **head and neck** squamous cell carcinoma (N=513)



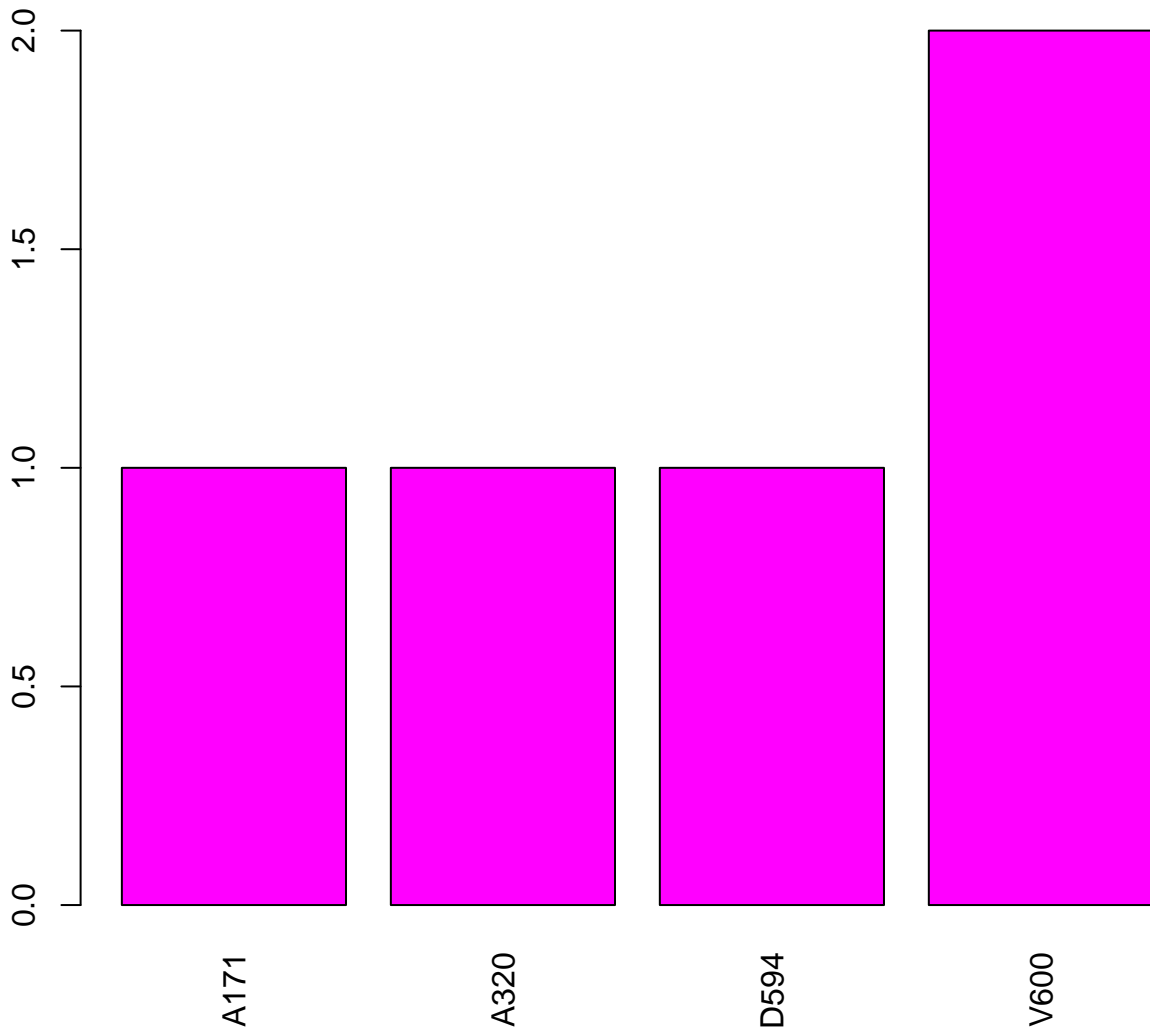
NbrSamples=513 Mutant Samples=9 Total Mutations=10

BRAF mutant **alleles** in brain lower grade **glioma** (n=533)



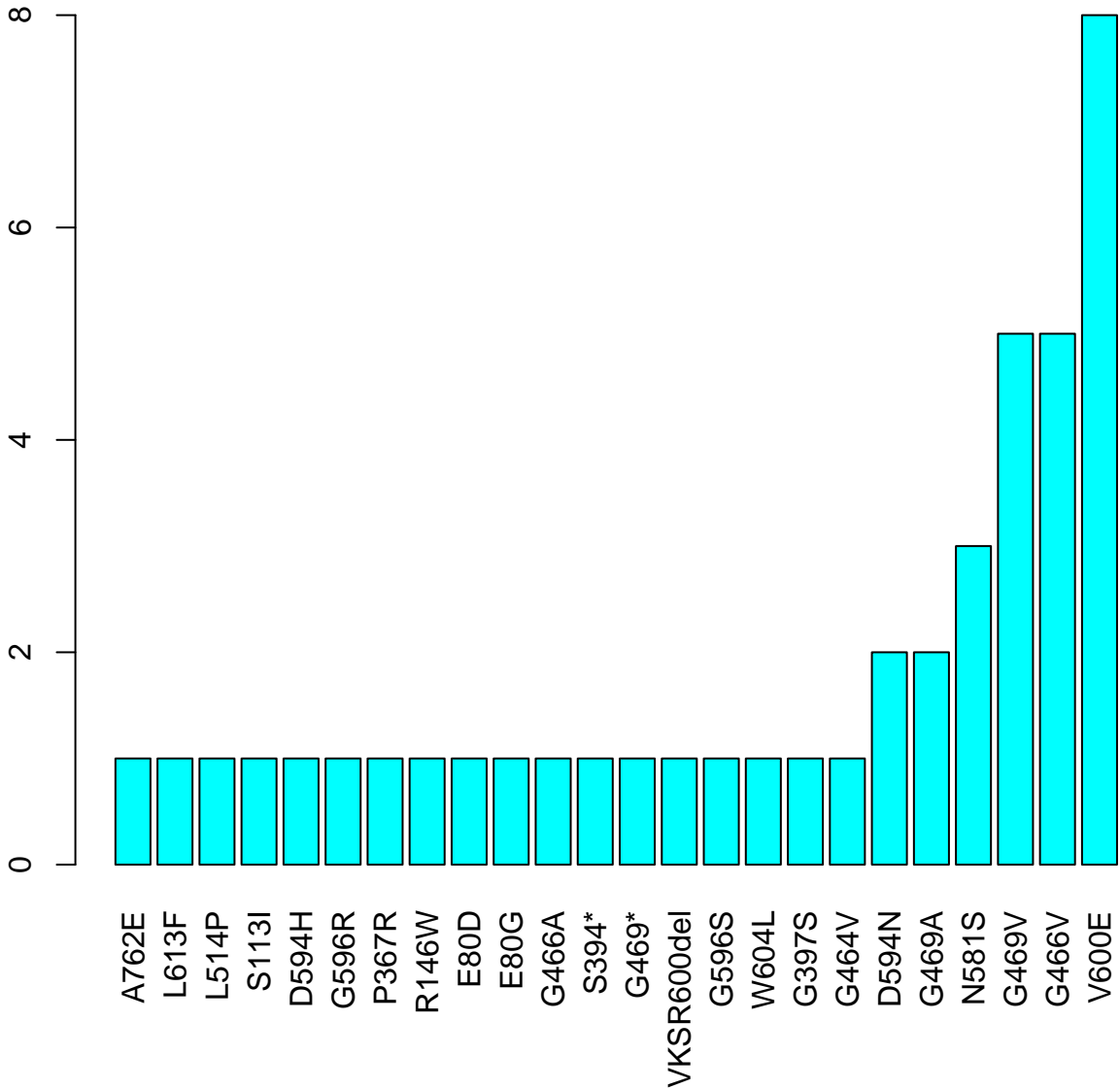
NbrSamples=533 Mutant Samples=5 Total Mutations=5

BRAF mutant **positions** in brain lower grade **glioma** (n=533)



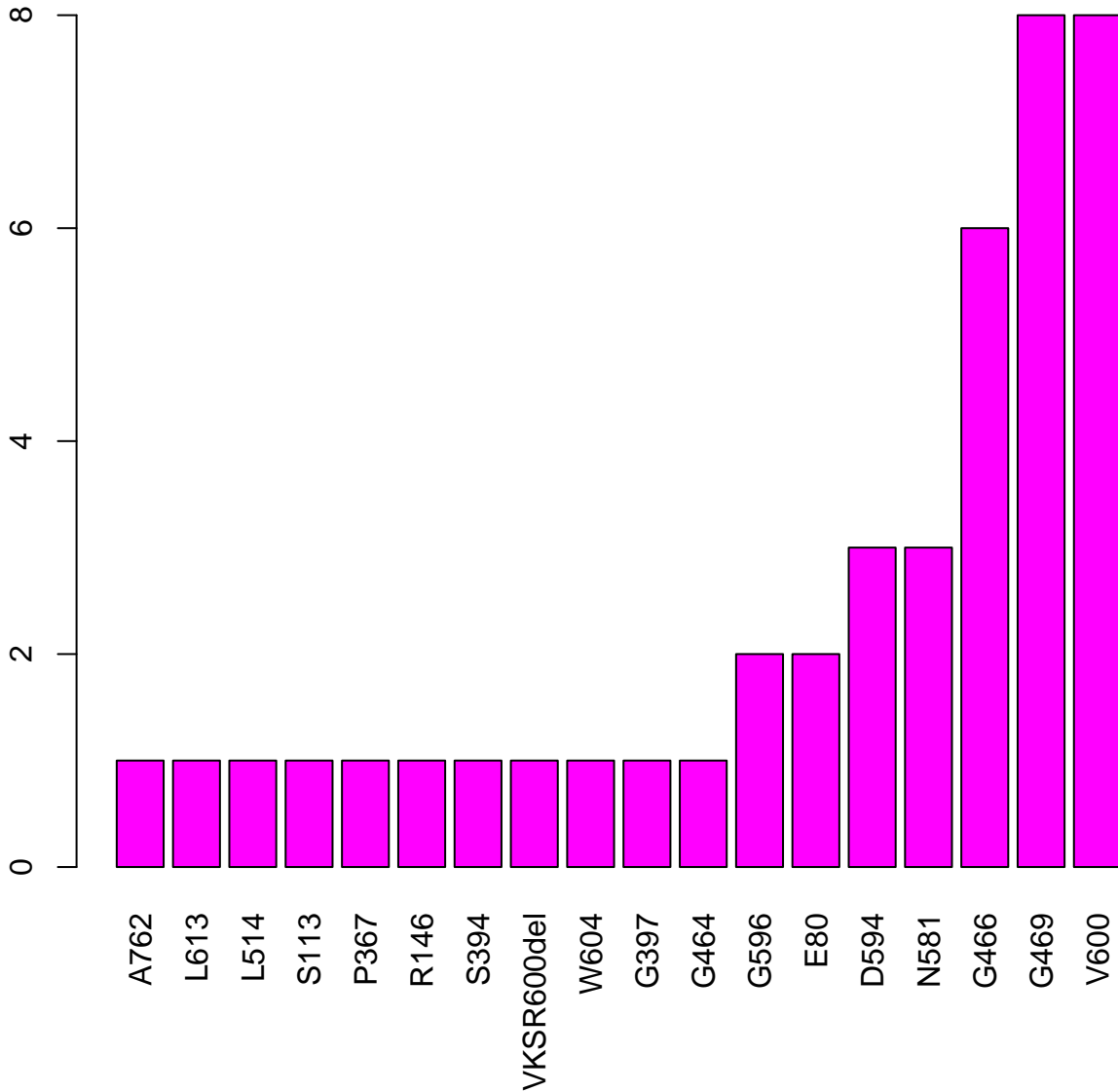
NbrSamples=533 Mutant Samples=5 Total Mutations=5

BRAF mutant **alleles** in **lung** adenocarcinoma (n=546)



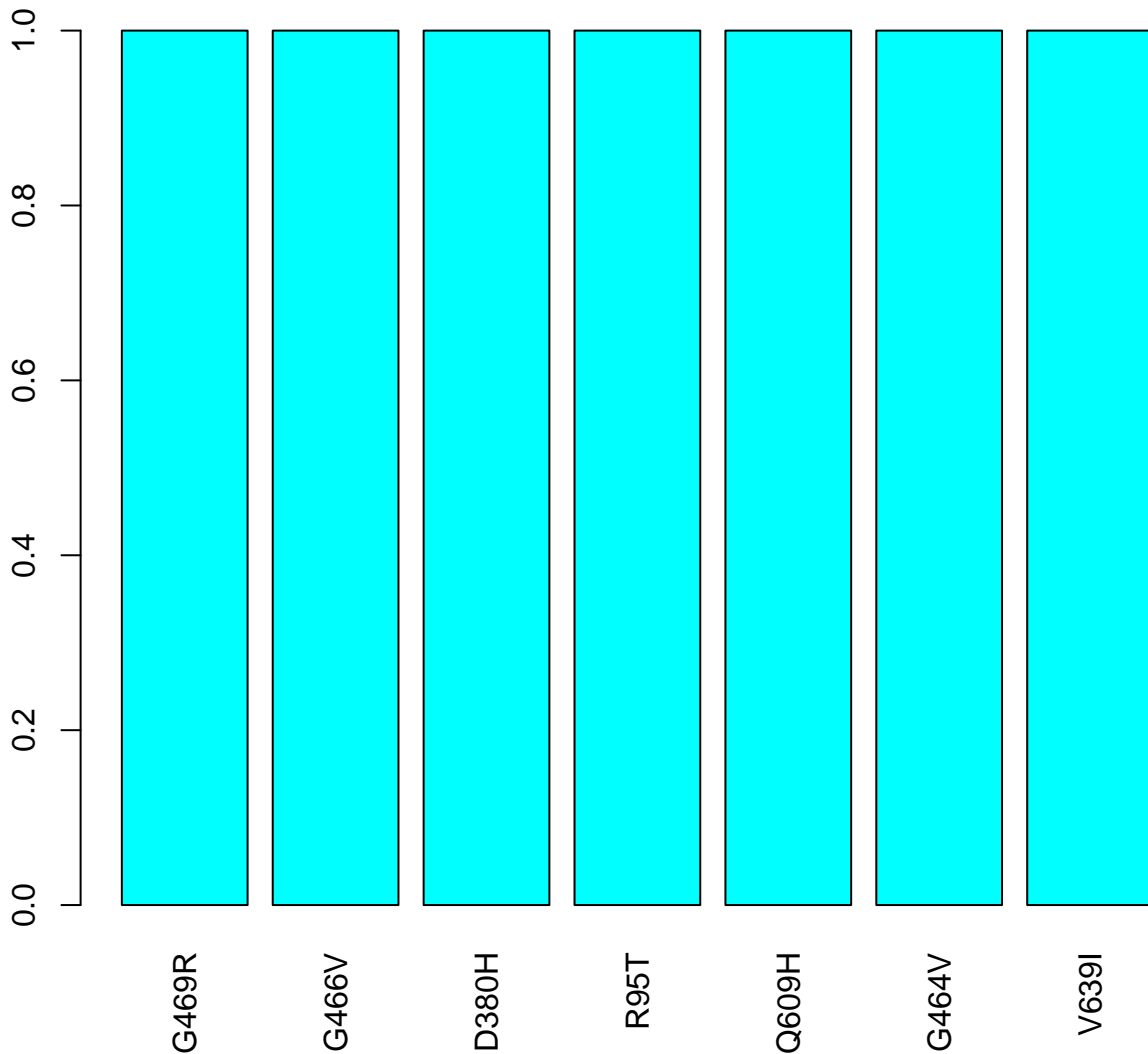
NbrSamples=546 Mutant Samples=41 Total Mutations=43

BRAF mutant **positions** in lung adenocarcinoma (n=546)



NbrSamples=546 Mutant Samples=41 Total Mutations=43

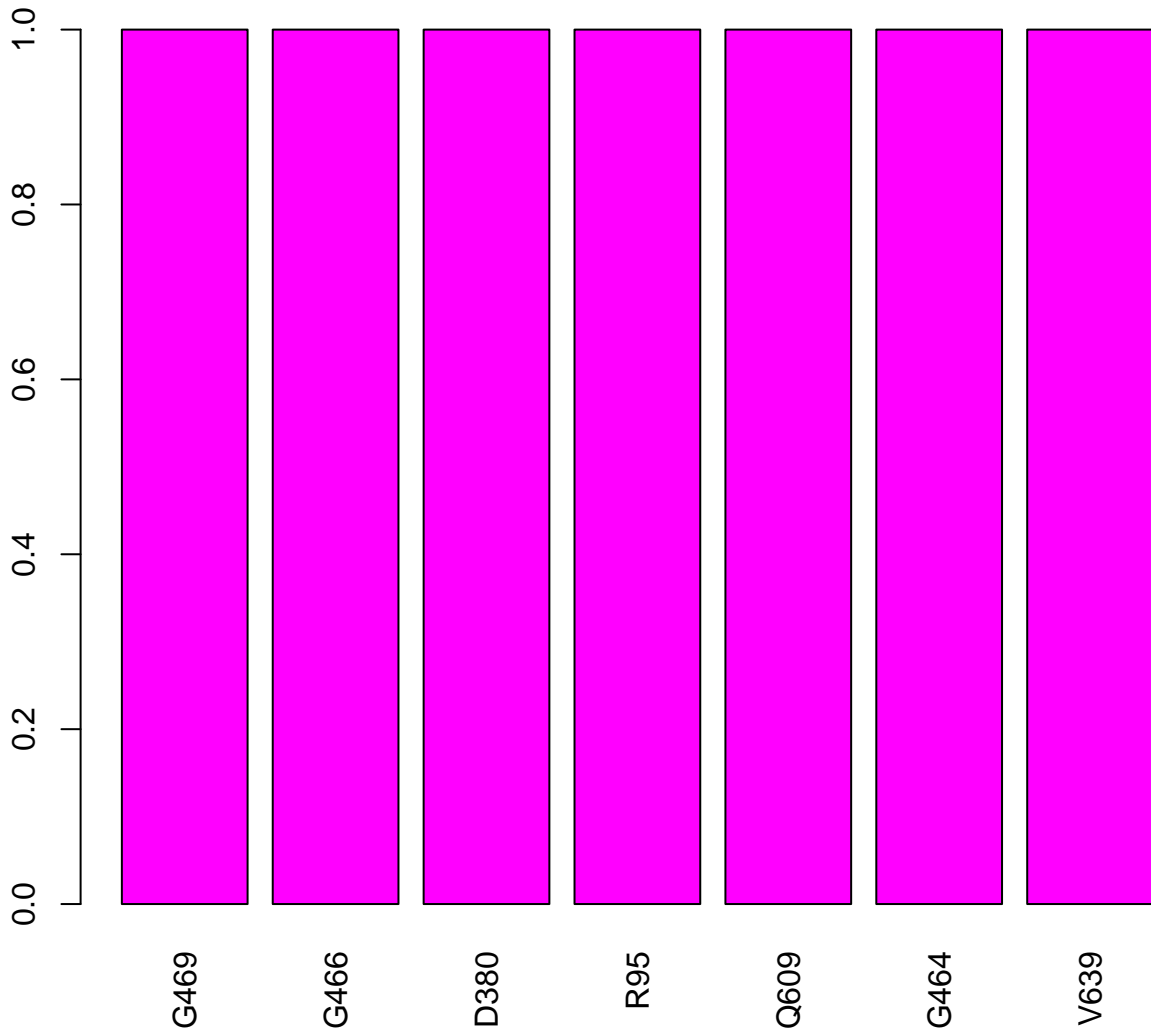
BRAF mutant **alleles** in lung **squamous** cell carcinoma (n=178)



NbrSamples=178 Mutant Samples=8 Total Mutations=7

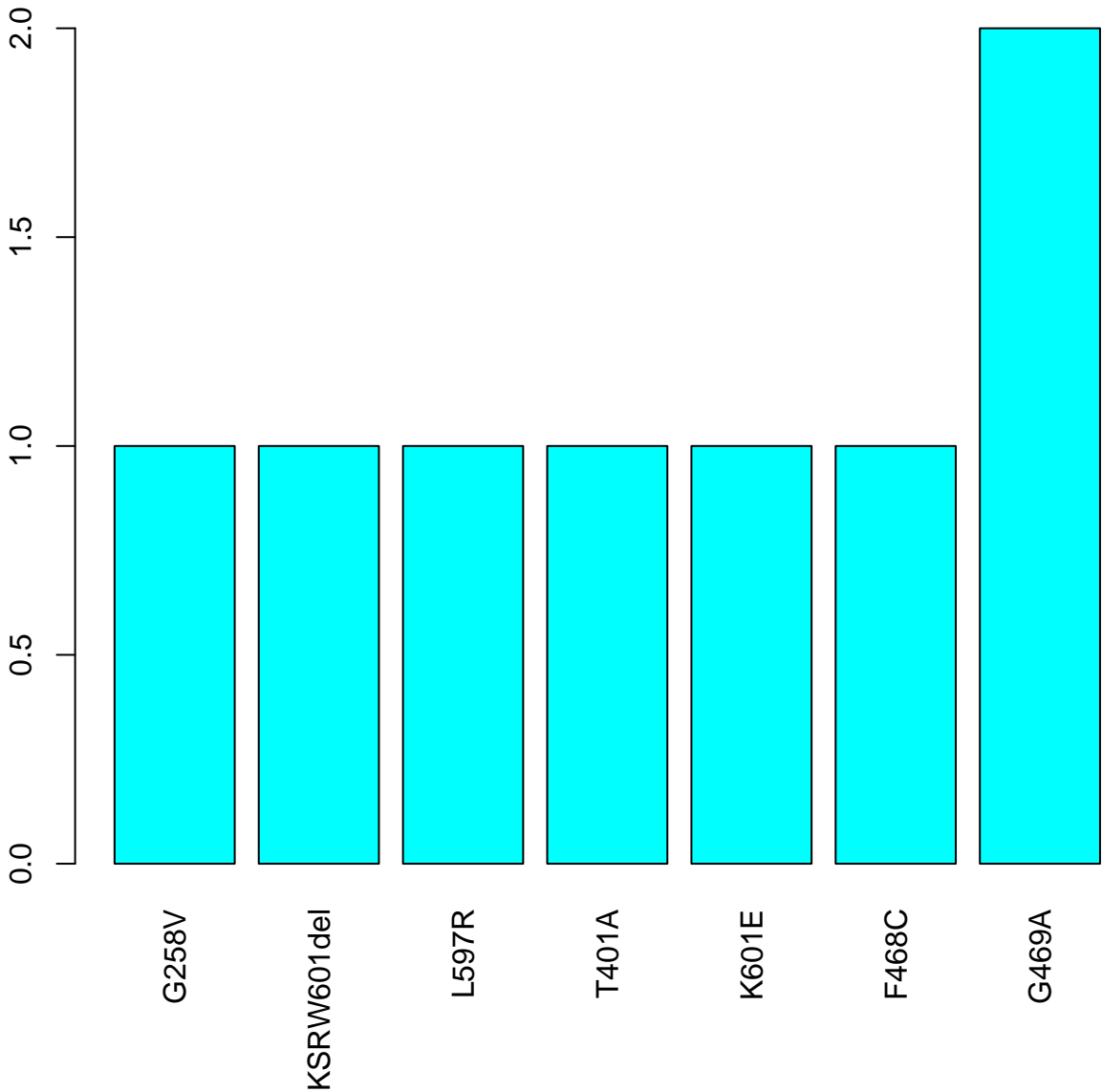


BRAF mutant **positions** in lung **squamous** cell carcinoma (n=178)



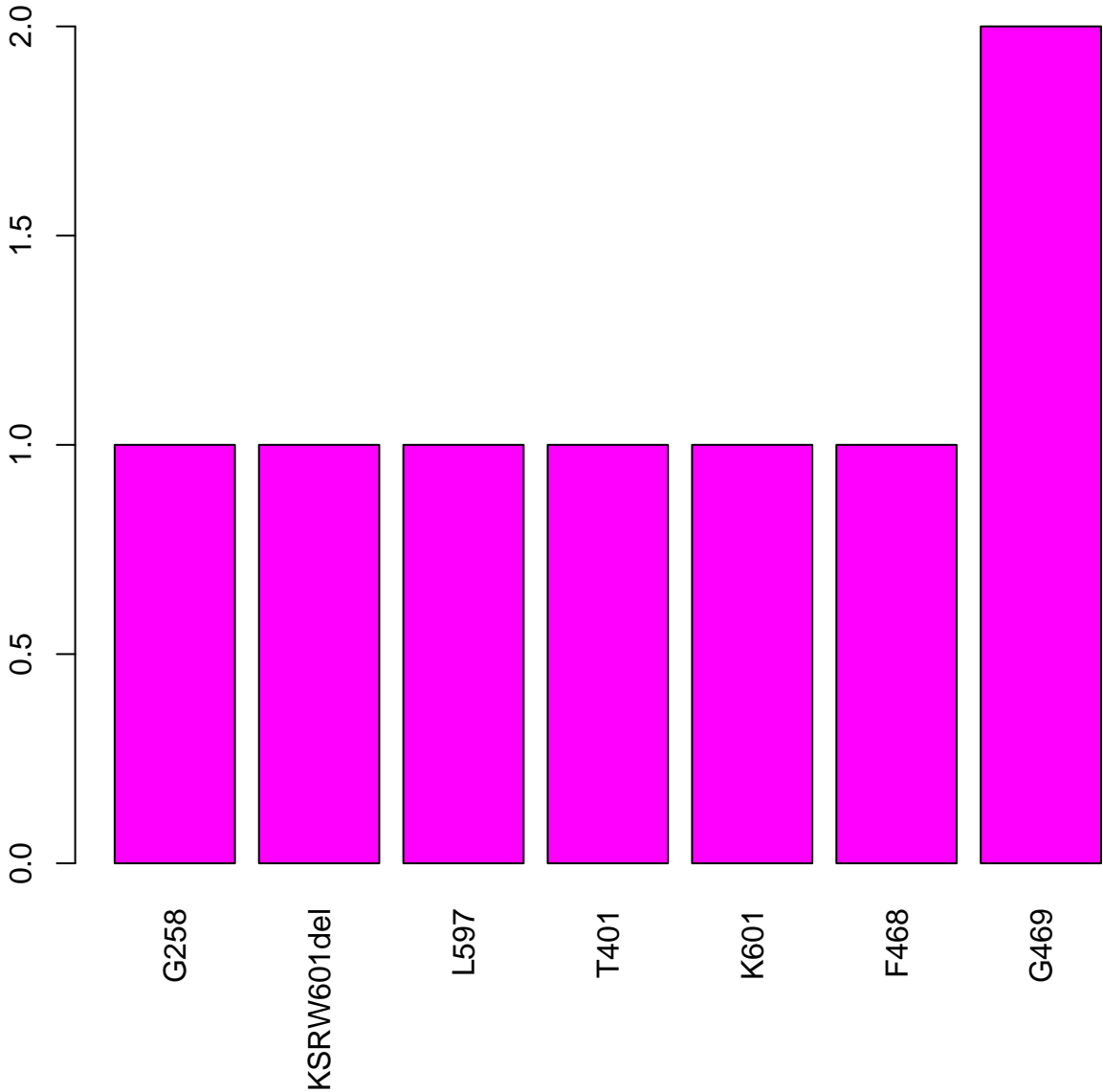
NbrSamples=178 Mutant Samples=8 Total Mutations=7

BRAF mutant **alleles** in **prostate** adenocarcinoma (n=499)



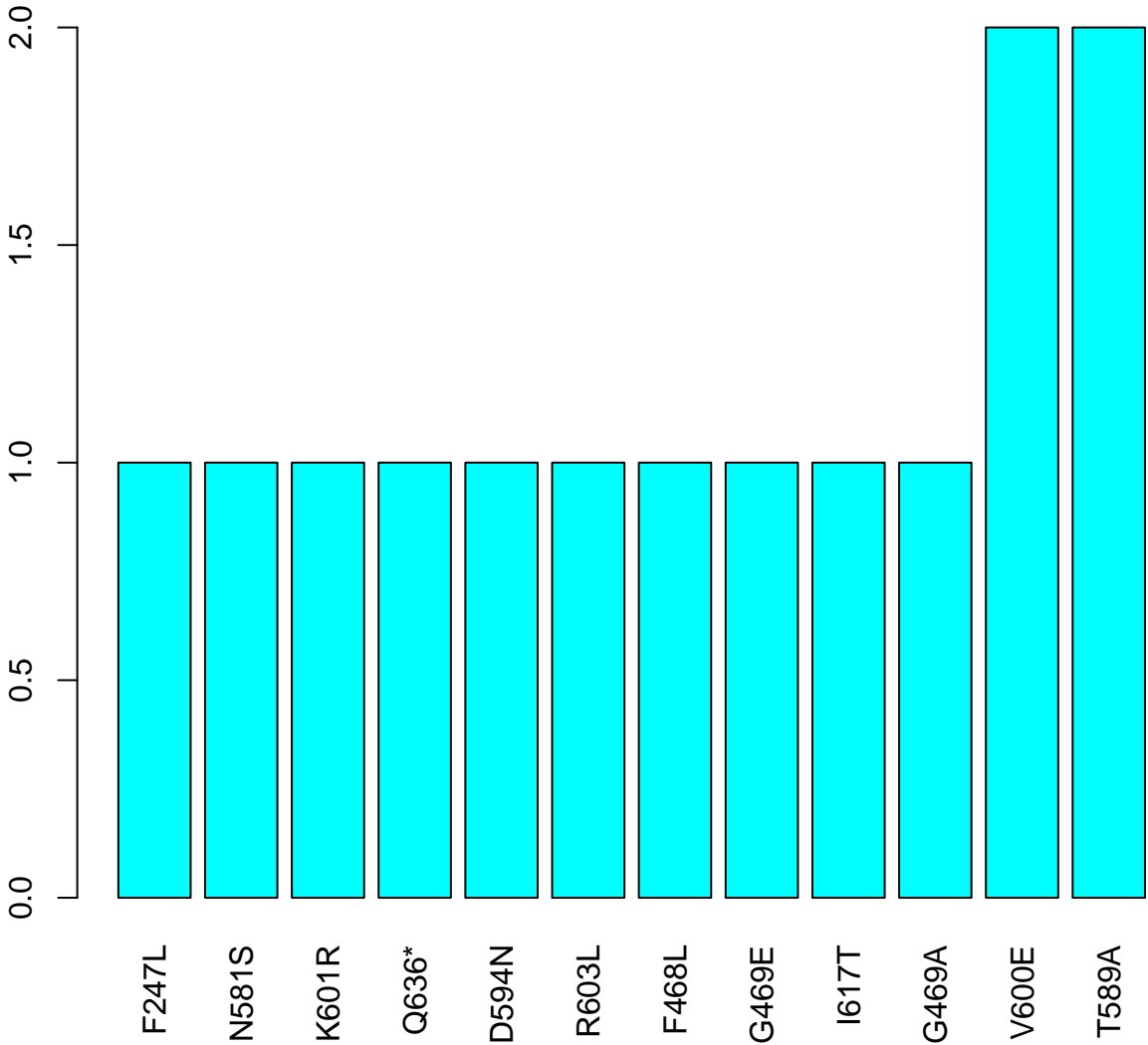
NbrSamples=499 Mutant Samples=8 Total Mutations=8

BRAF mutant **positions** in **prostate** adenocarcinoma (n=499)



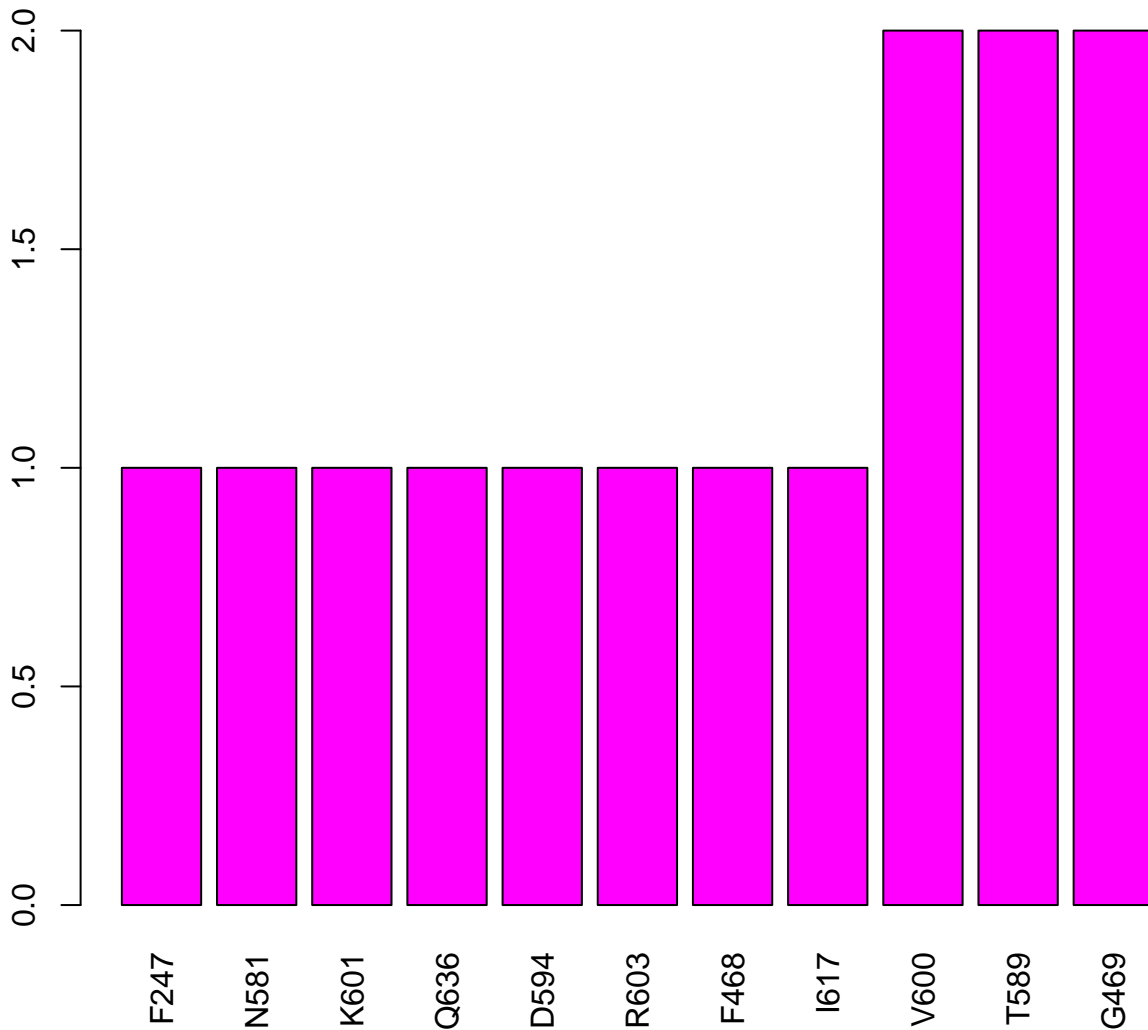
NbrSamples=499 Mutant Samples=8 Total Mutations=8

BRAF mutant **alleles** in **rectum** adenocarcinoma (n=122)



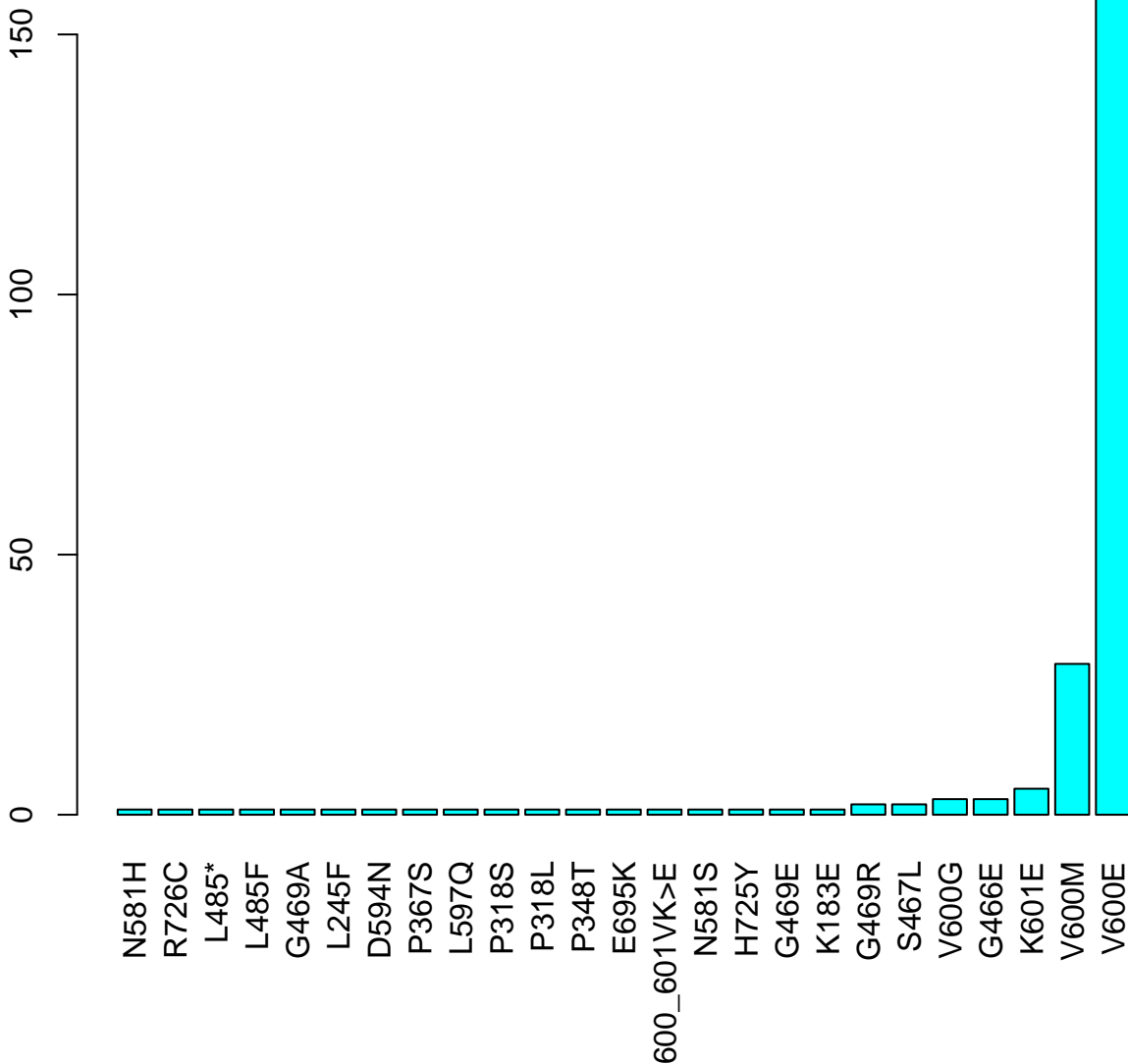
NbrSamples=122 Mutant Samples=13 Total Mutations=14

BRAF mutant **positions** in **rectum** adenocarcinoma (n=122)



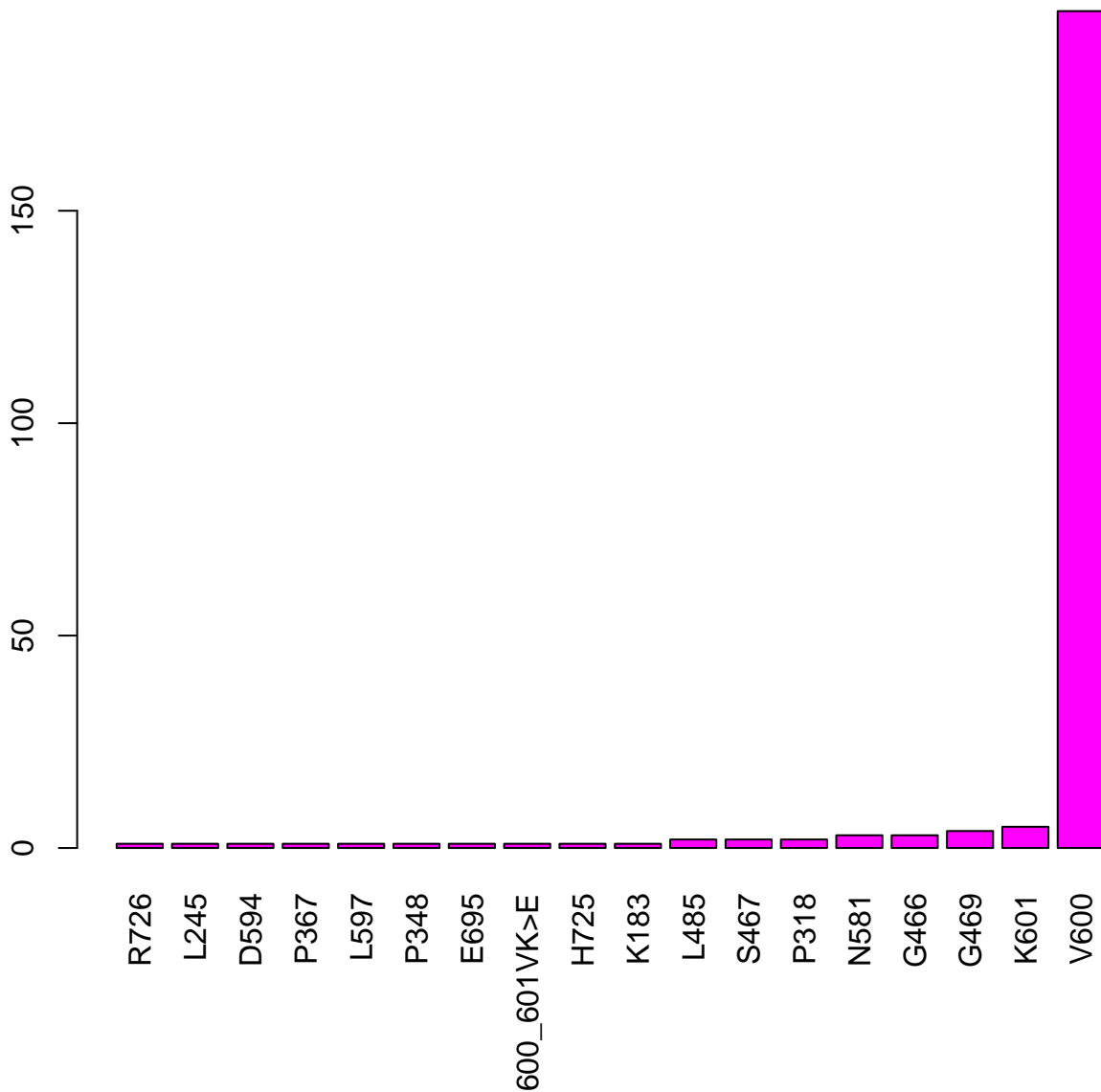
NbrSamples=122 Mutant Samples=13 Total Mutations=14

BRAF mutant **alleles** in skin cutaneous **melanoma** (n=371), **top 25**



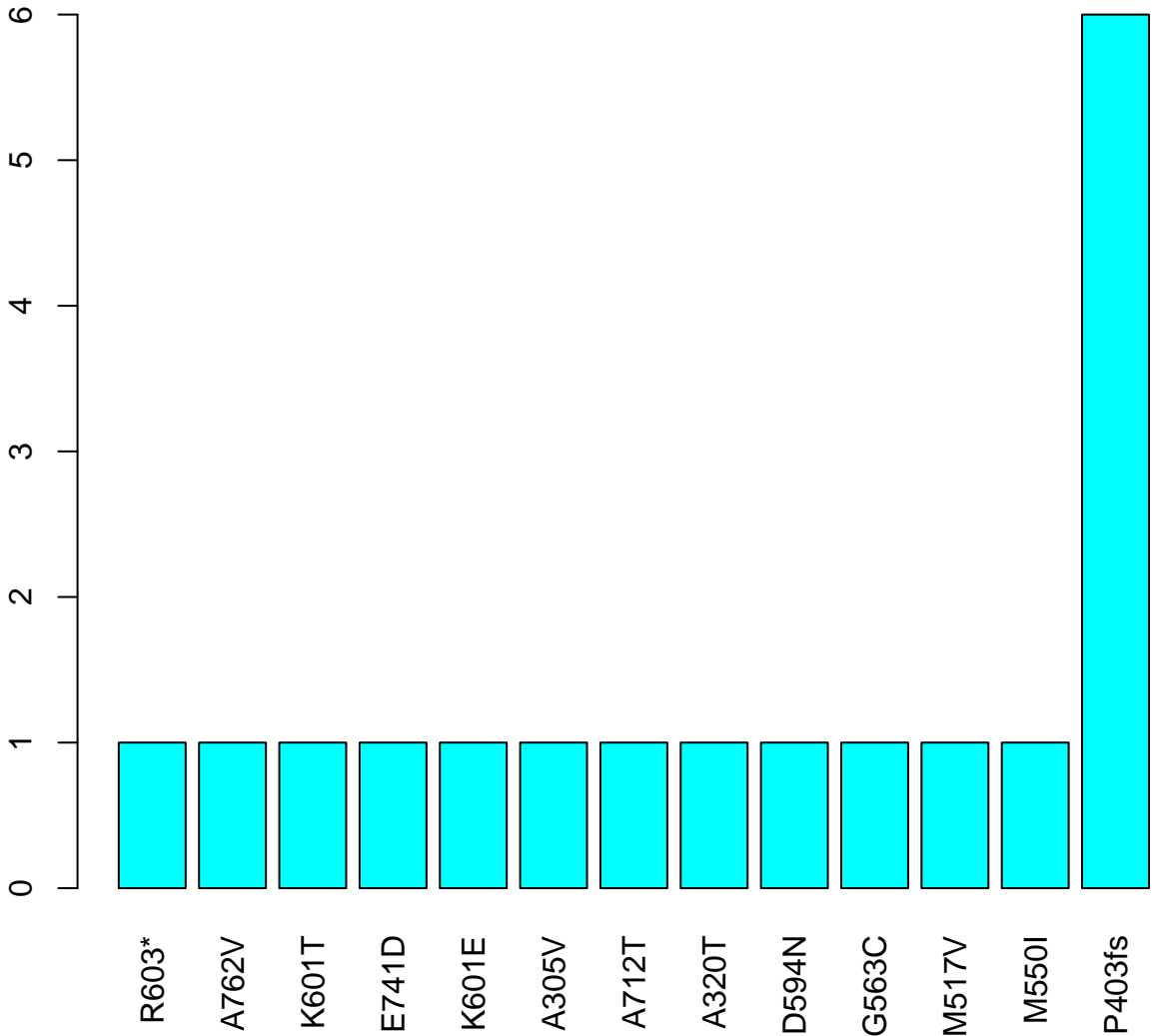
NbrSamples=371 Mutant Samples=191 Total Mutations=228(1 not shown)

BRAF mutant **positions** in skin cutaneous **melanoma** (n=371)



NbrSamples=371 Mutant Samples=191 Total Mutations=228

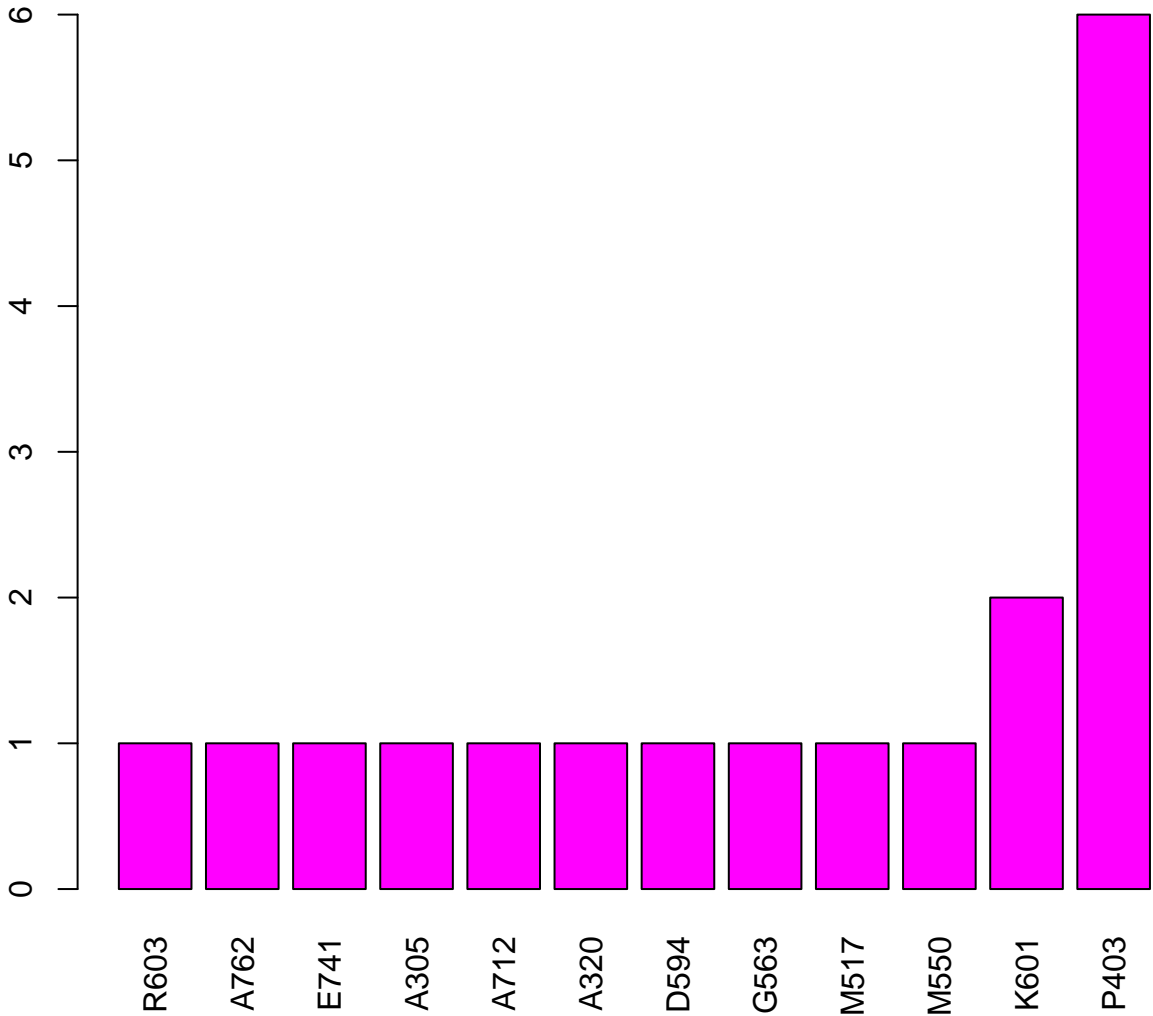
BRAF mutant **alleles** in **stomach** adenocarcinoma (n=395)



NbrSamples=395 Mutant Samples=18 Total Mutations=18

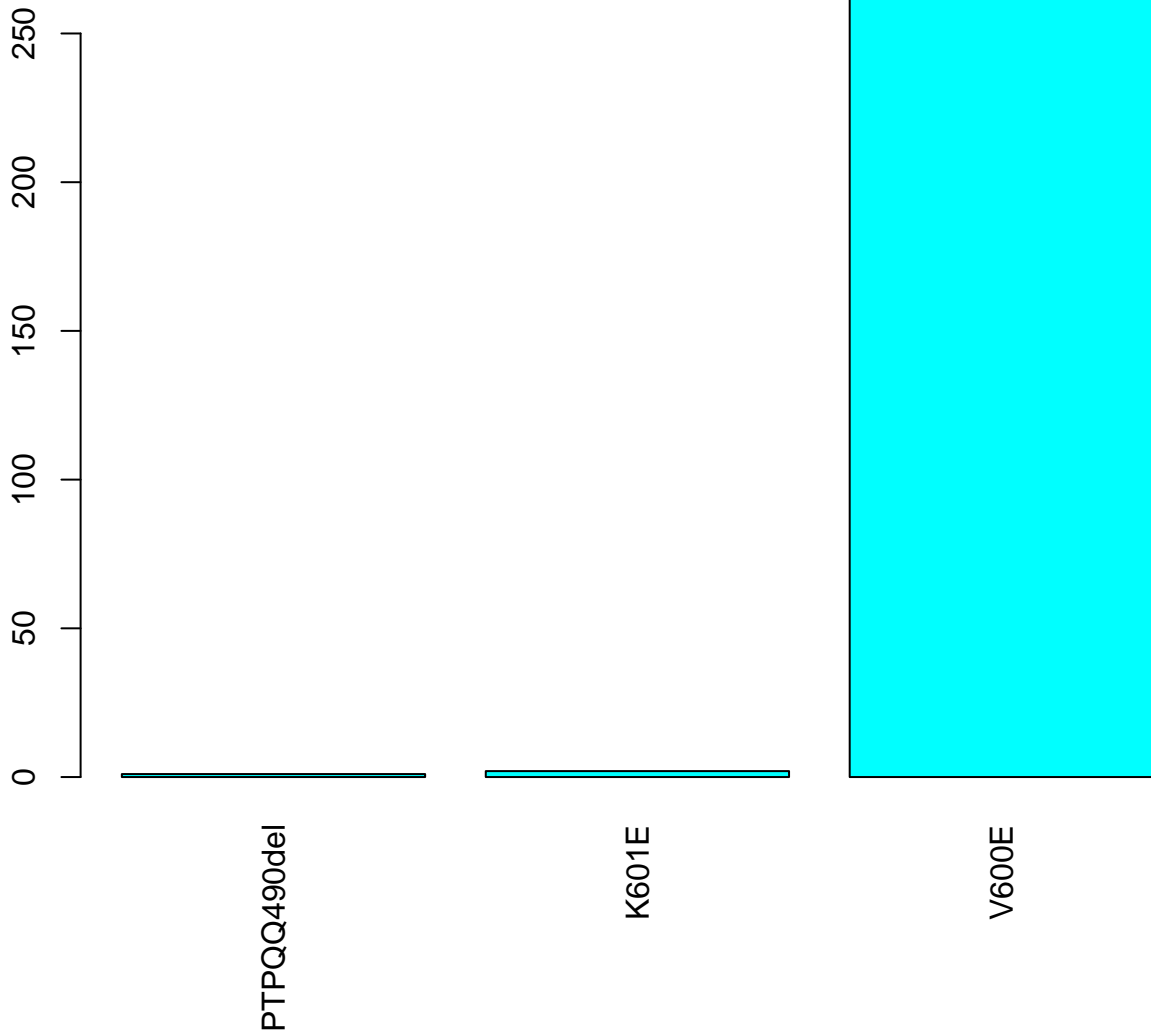


BRAF mutant **positions** in **stomach** adenocarcinoma (n=395)



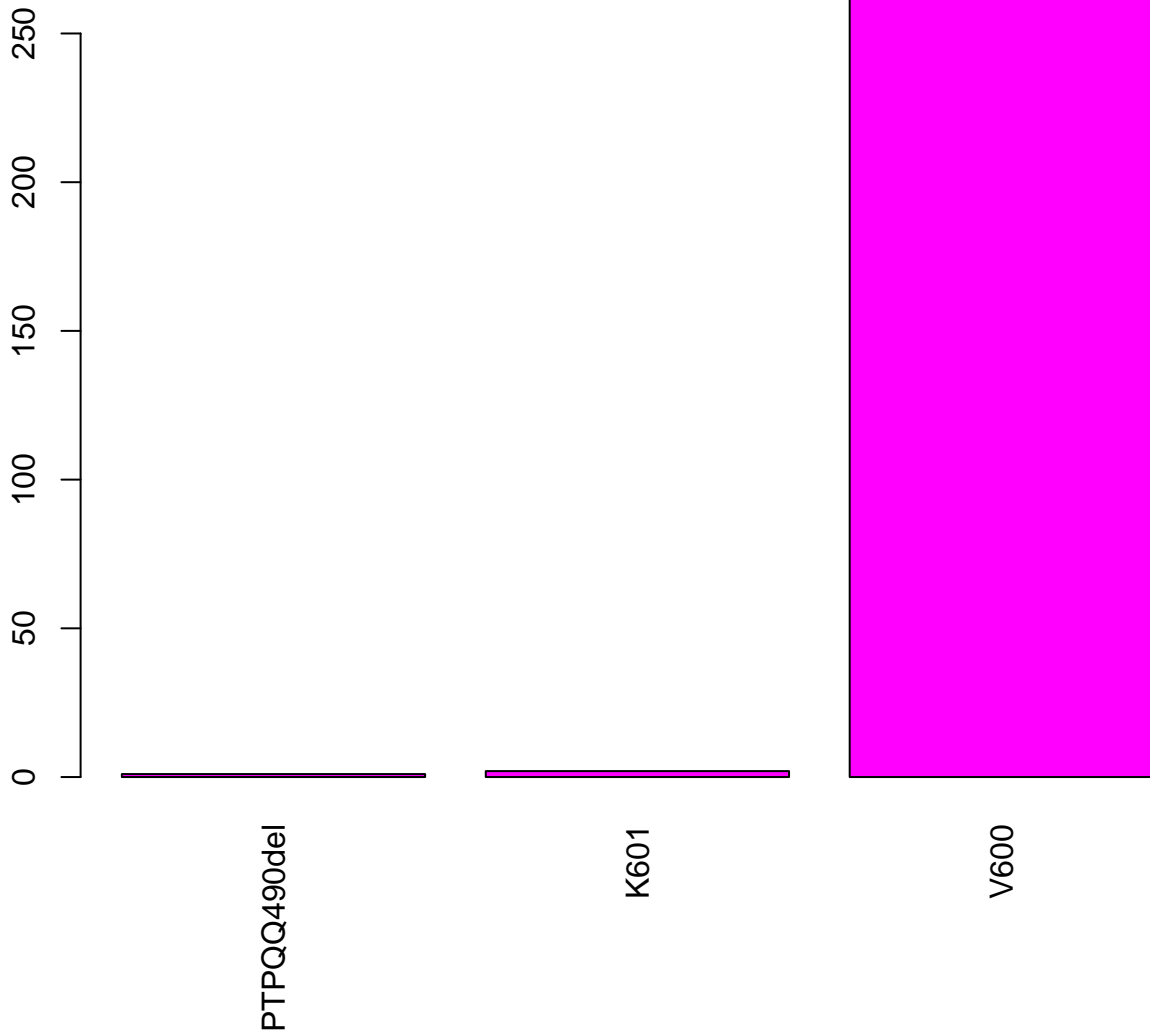
NbrSamples=395 Mutant Samples=18 Total Mutations=18

BRAF mutant **alleles** in **thyroid** carcinoma (n=504)



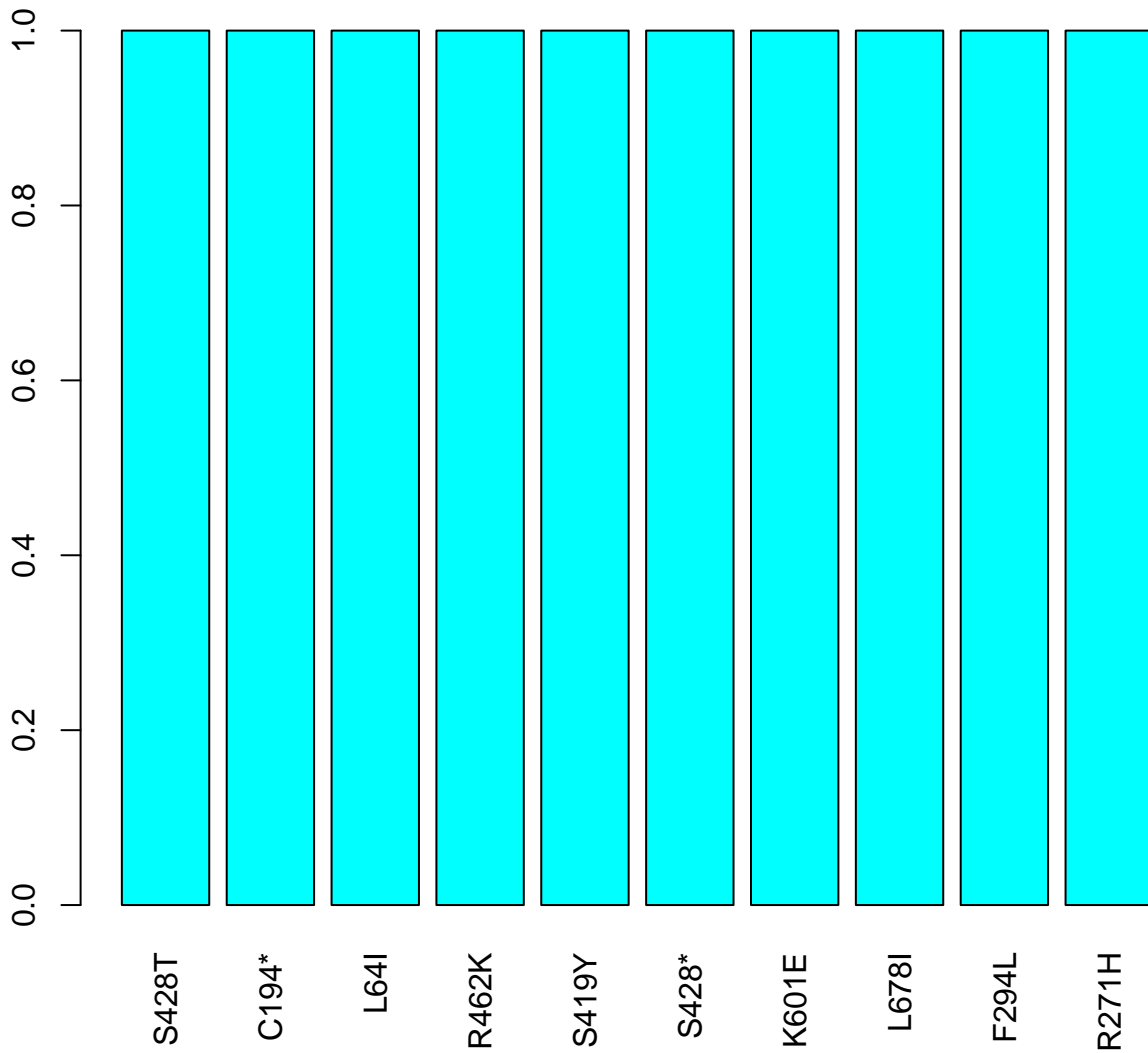
NbrSamples=504 Mutant Samples=297 Total Mutations=297

BRAF mutant **positions** in **thyroid** carcinoma (n=504)



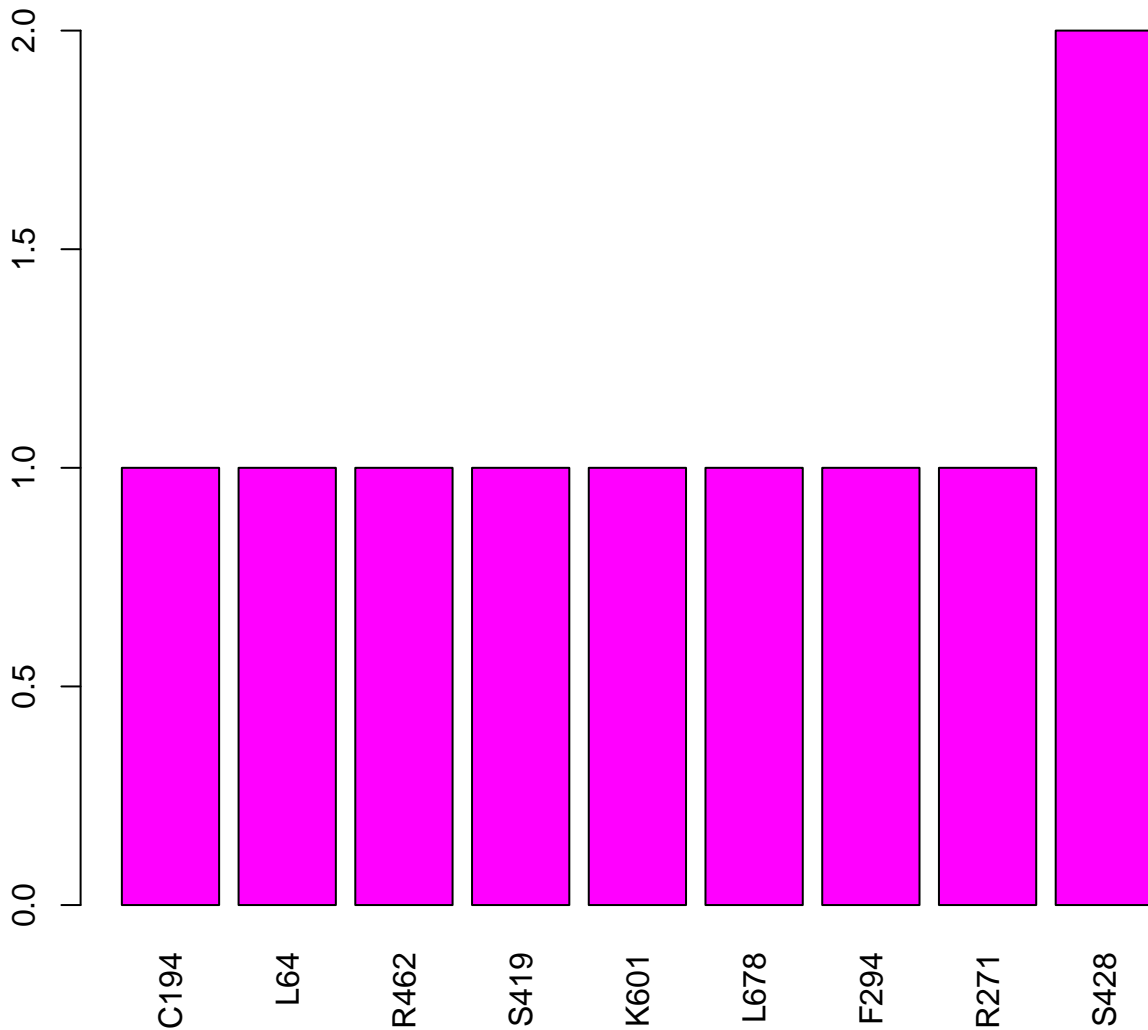
NbrSamples=504 Mutant Samples=297 Total Mutations=297

BRAF mutant **alleles** in uterine corpus **endometrial** carcinoma (n=248)



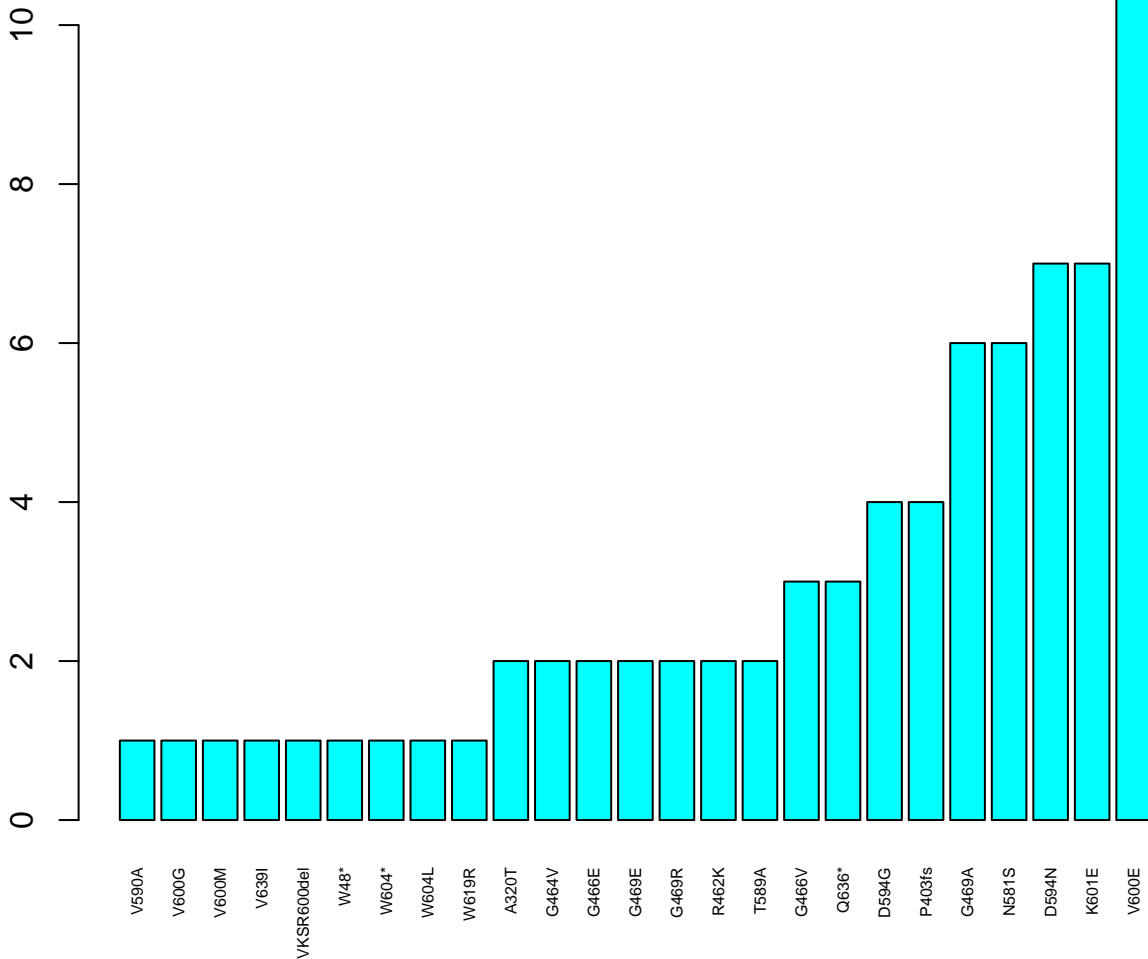
NbrSamples=248 Mutant Samples=7 Total Mutations=10

BRAF mutant **positions** in uterine corpus **endometrial** carcinoma (n=248)



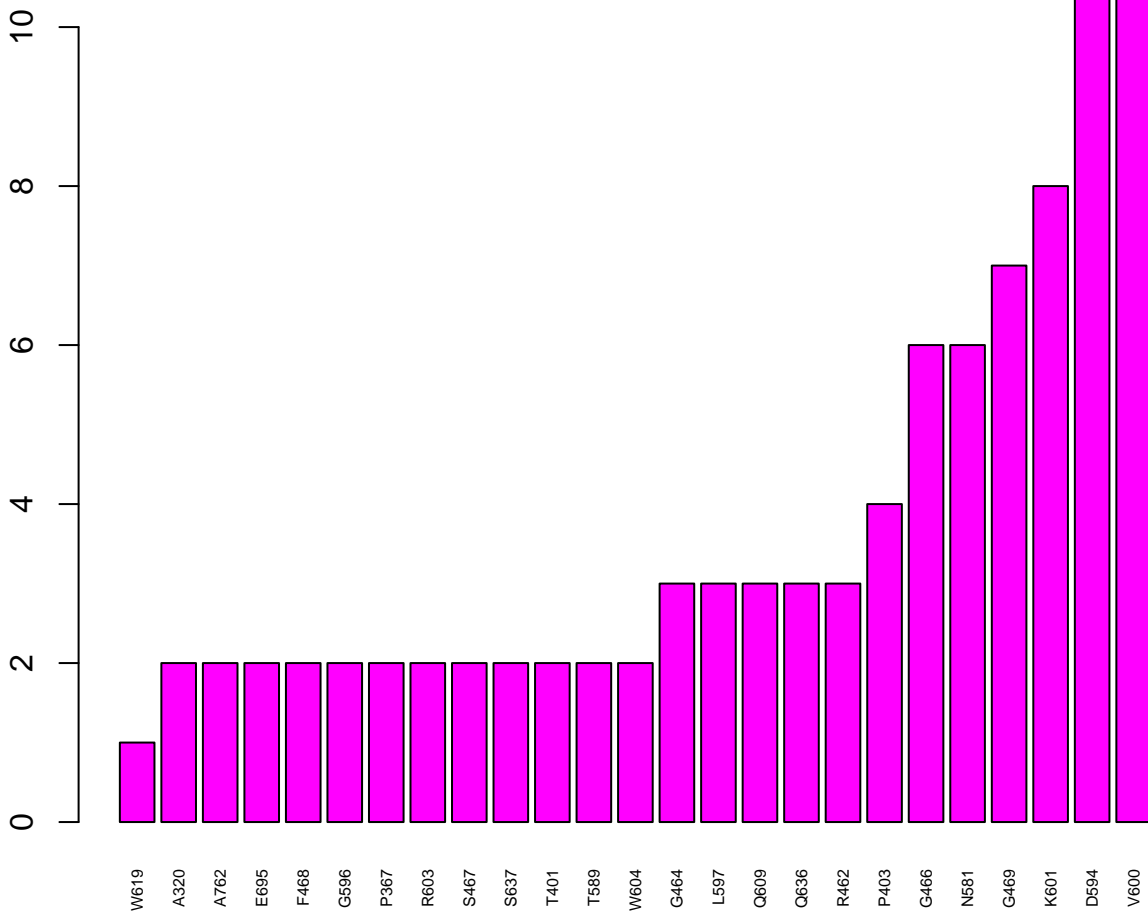
NbrSamples=248 Mutant Samples=7 Total Mutations=10

# Number of cancer types where each BRAF mutation occurs, top 25



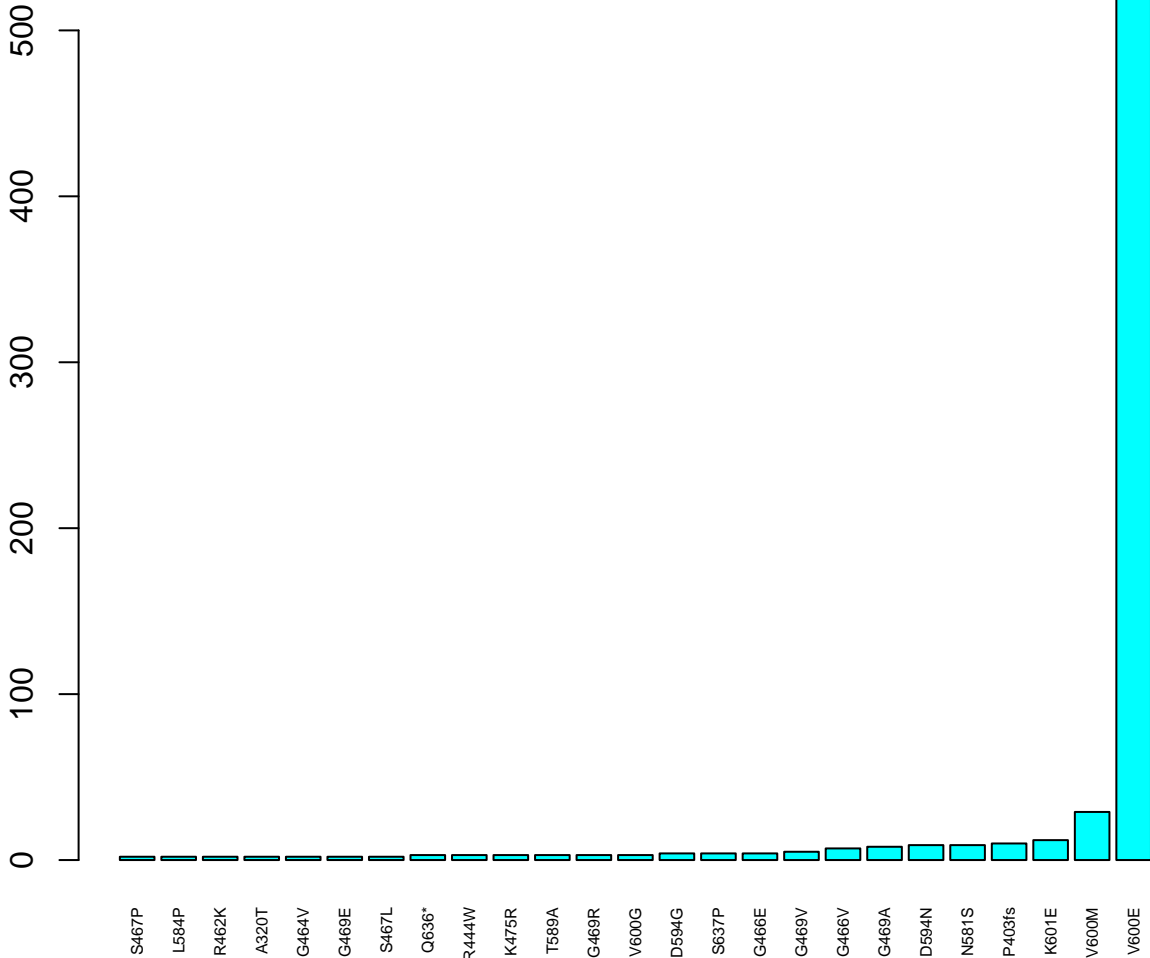
134 not shown

# Number of cancer **types** where each BRAF mutation **position** occurs, **top 25**



90 not shown

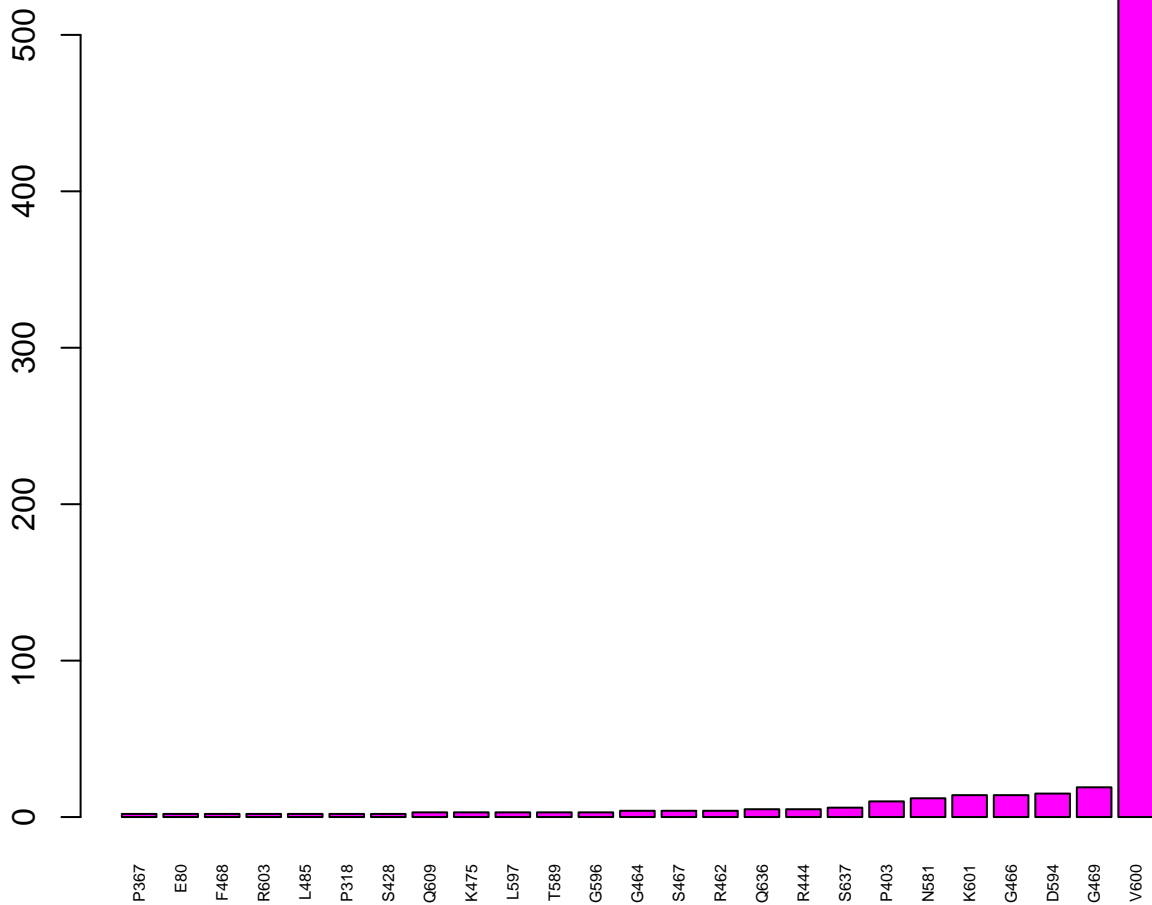
Number of **times** each BRAF **mutation** occurs across all cancer types, **top 25**



138 not shown

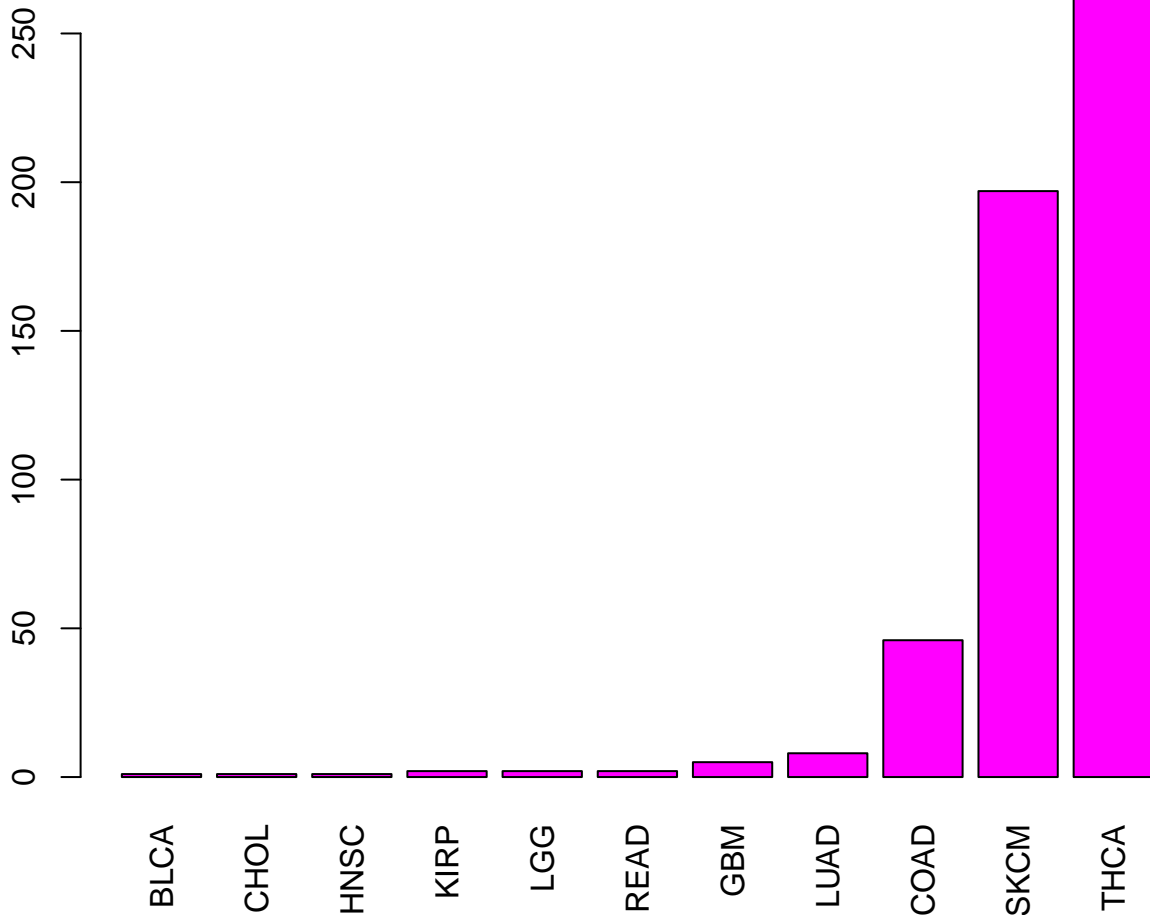


Number of **times** each BRAF mutation **position** occurs across all cancer types, **top 25**

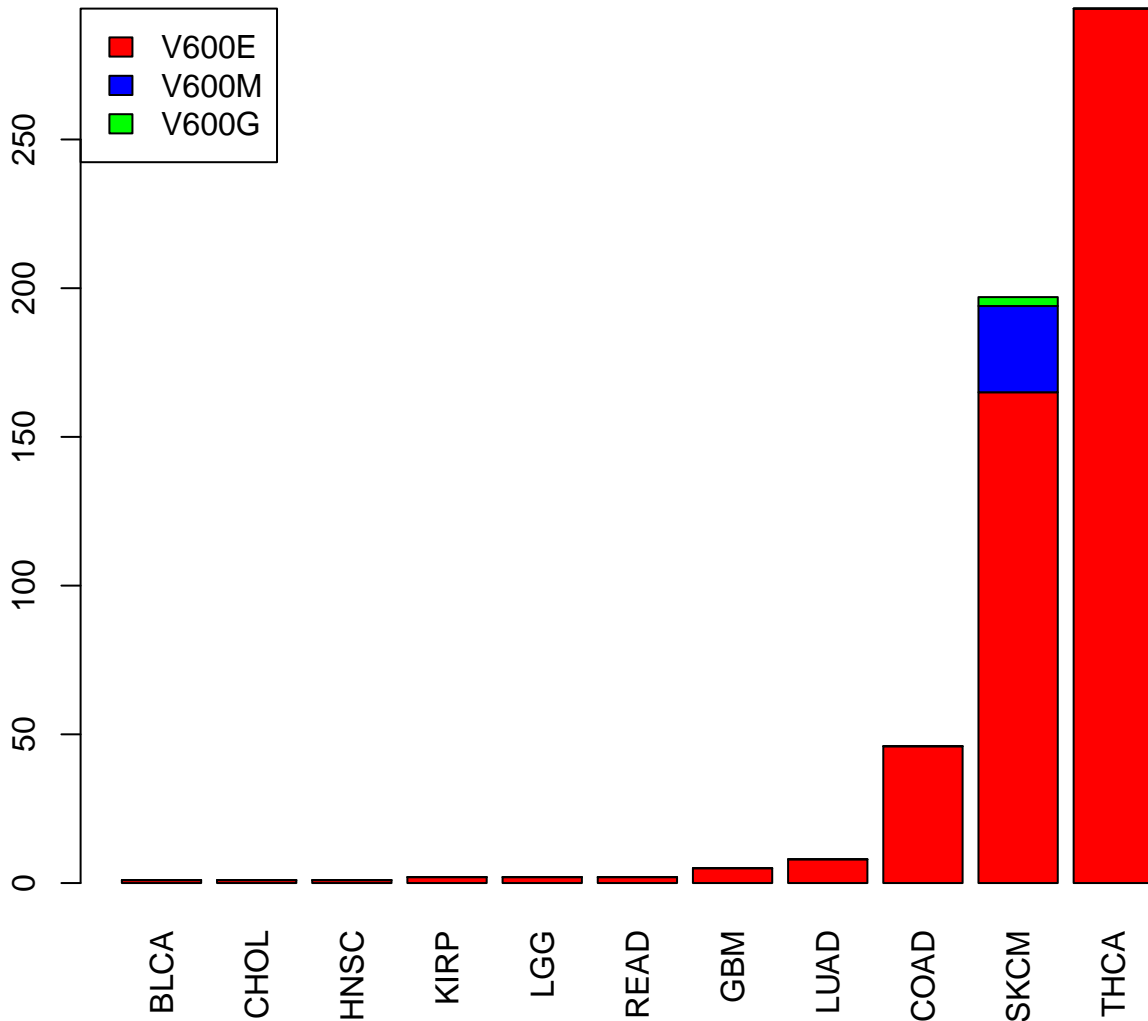


98 not shown

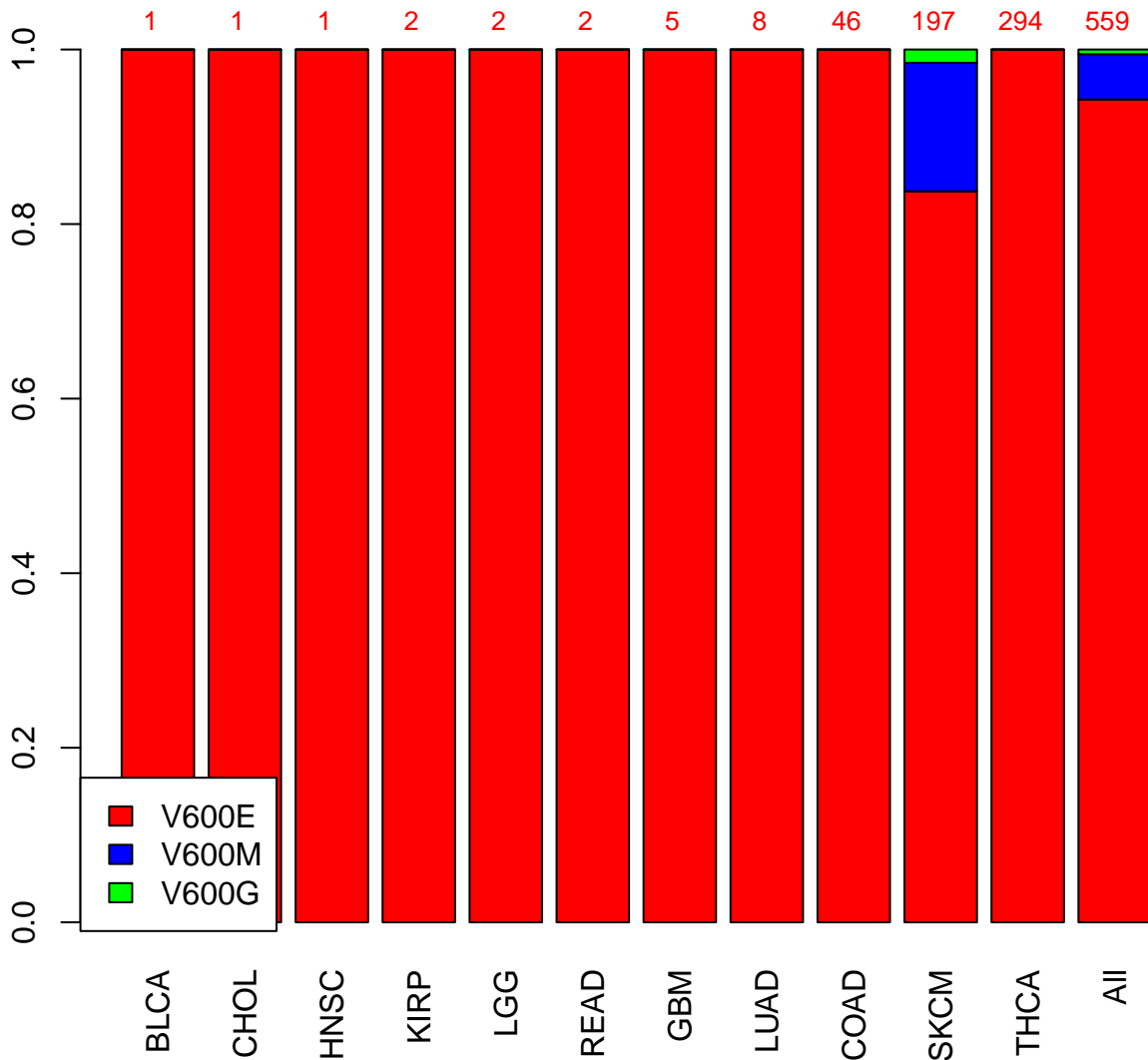
# Total number of BRAF V600 mutations in different cancer types



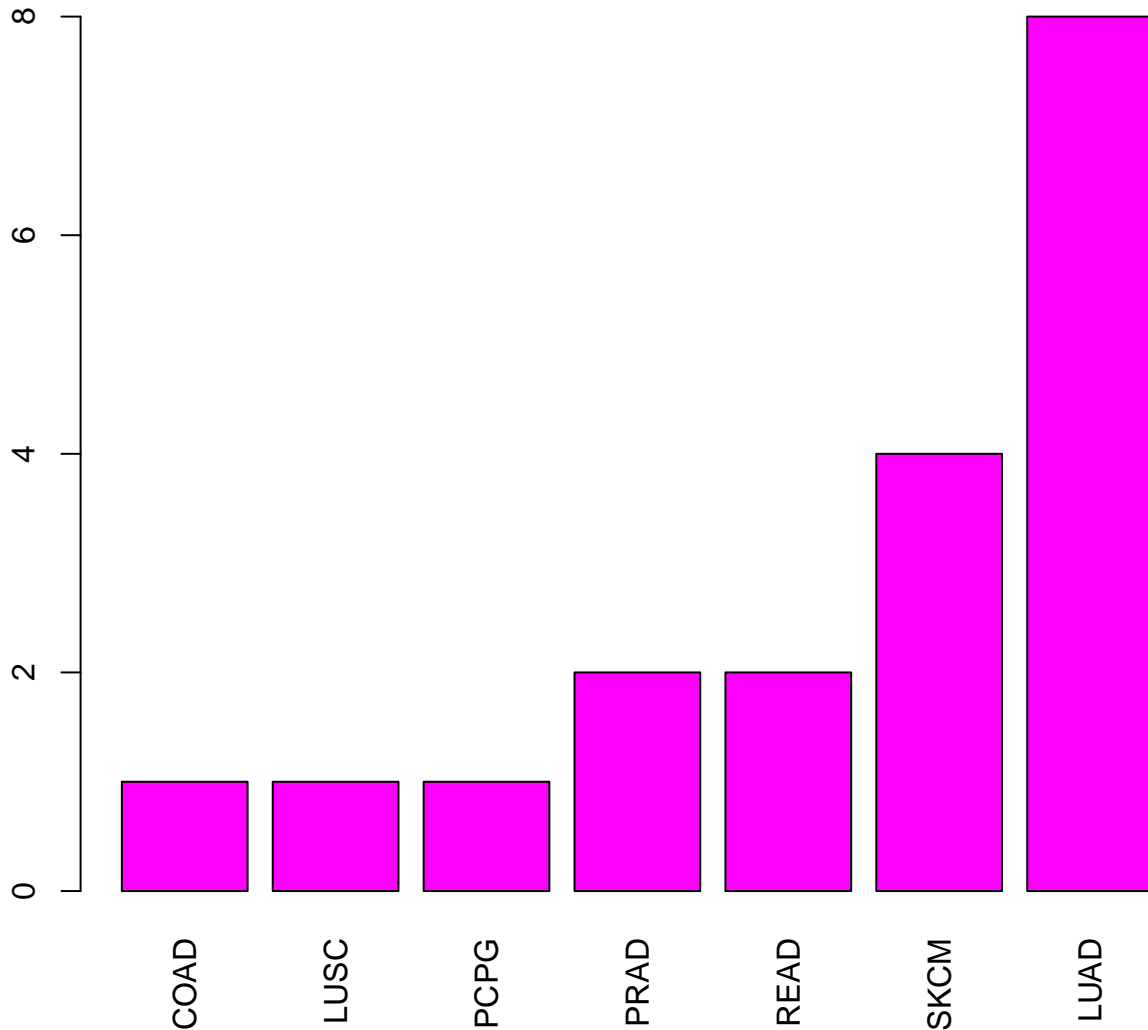
## Mutated allele breakdown for BRAF V600 mutations



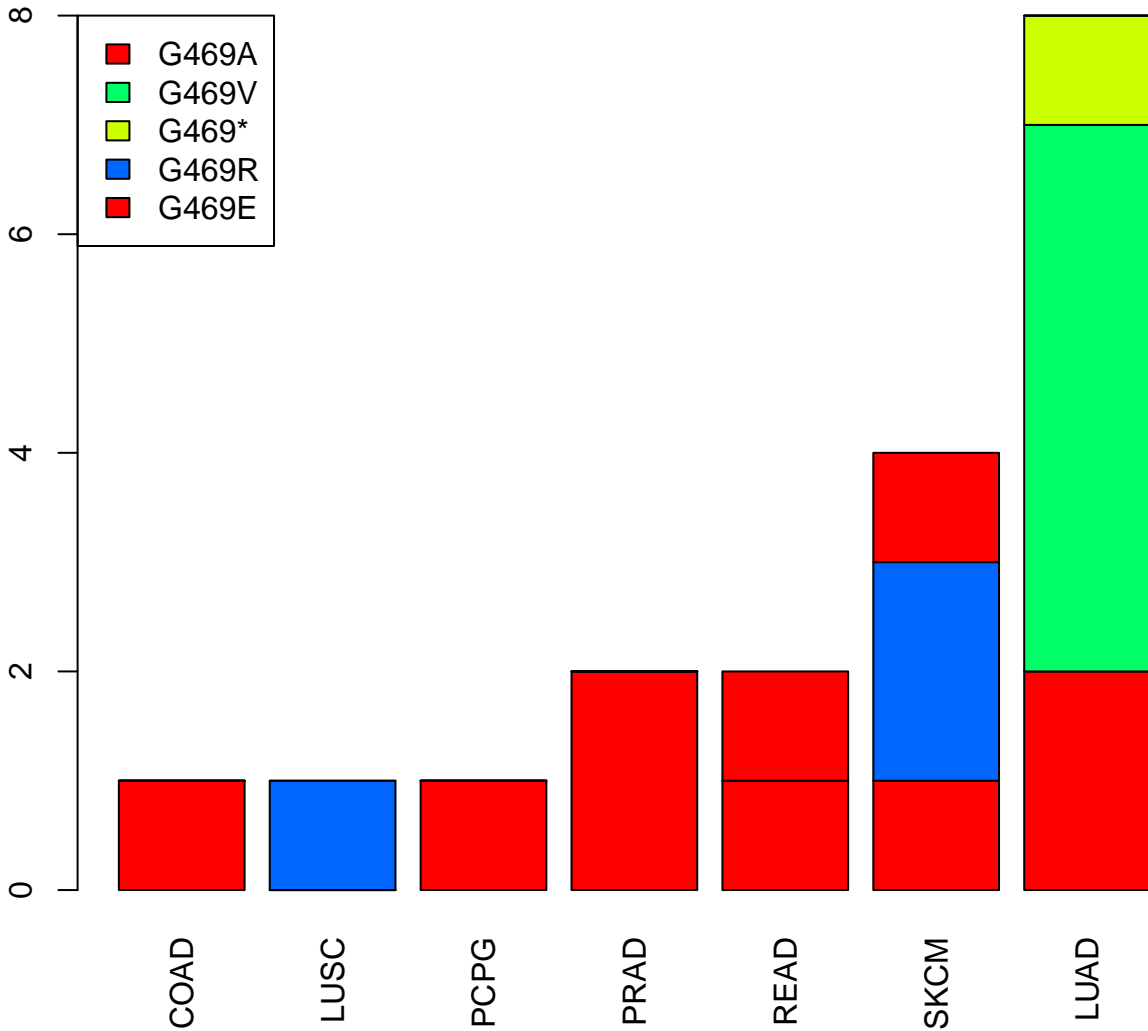
# Proportional view of allele breakdown of BRAF V600 mutations



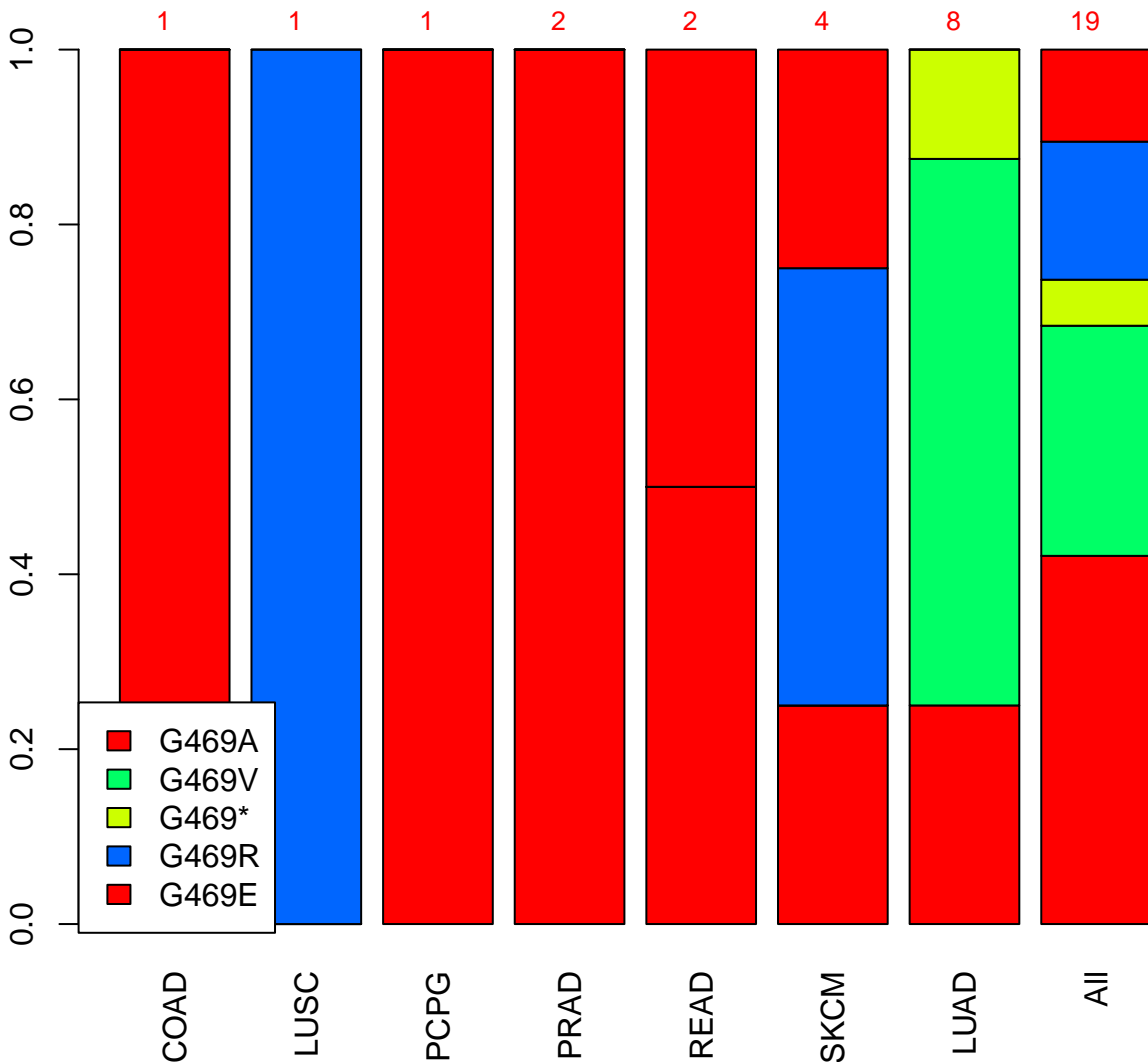
# Total number of BRAF G469 mutations in different cancer types



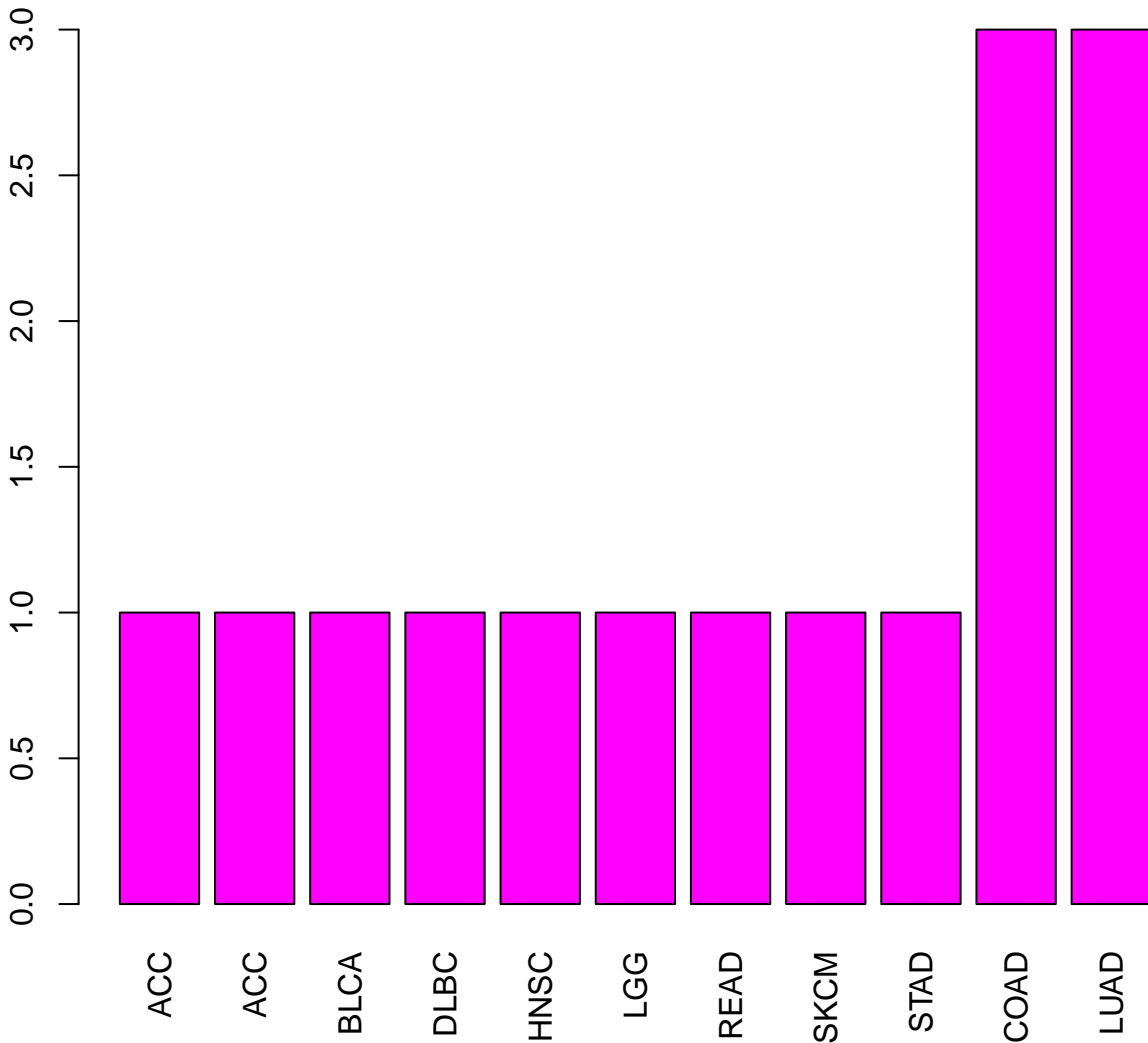
## Mutated allele breakdown for BRAF G469 mutations



# Proportional view of allele breakdown of BRAF G469 mutations

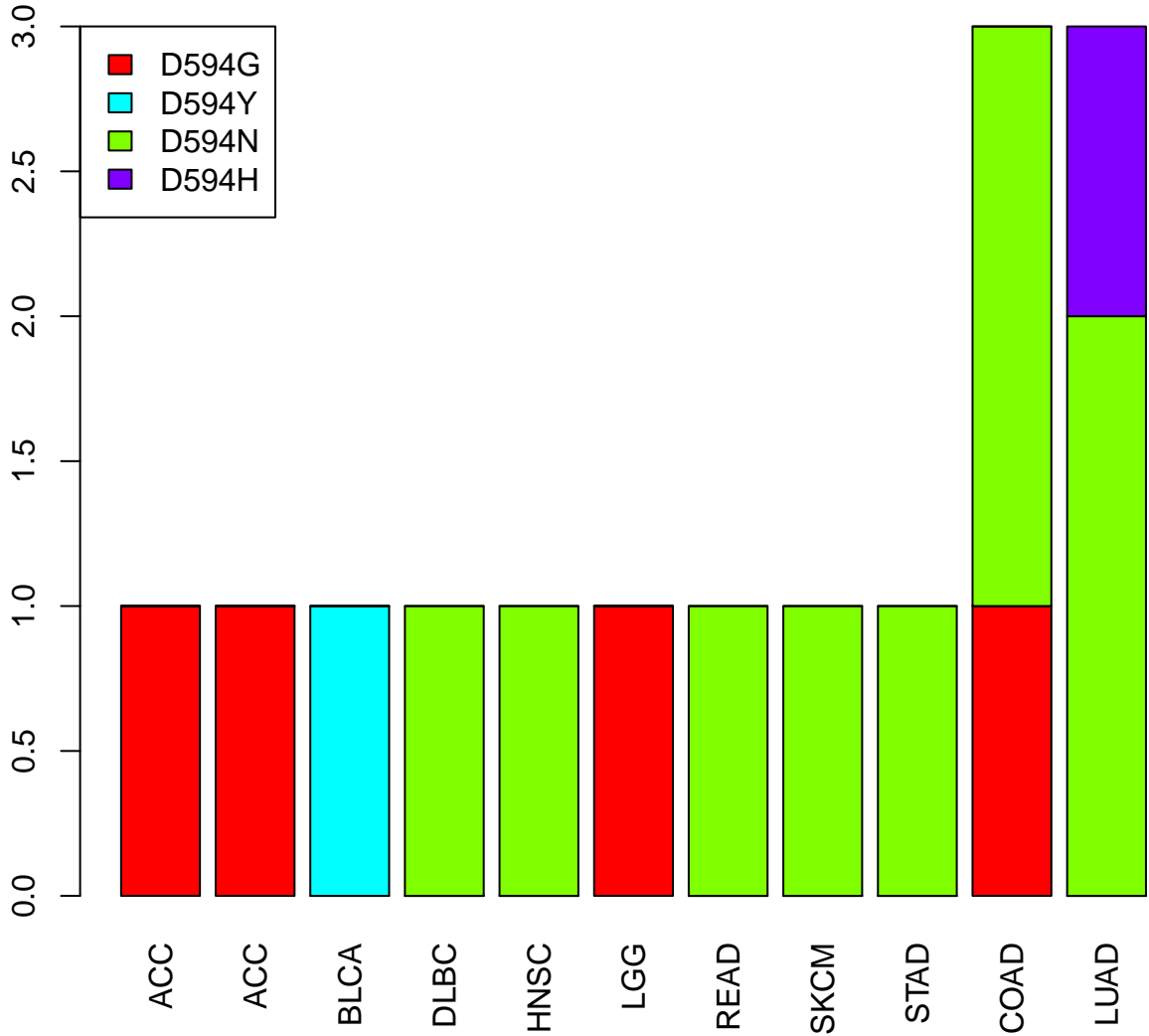


# Total number of BRAF D594 mutations in different cancer types

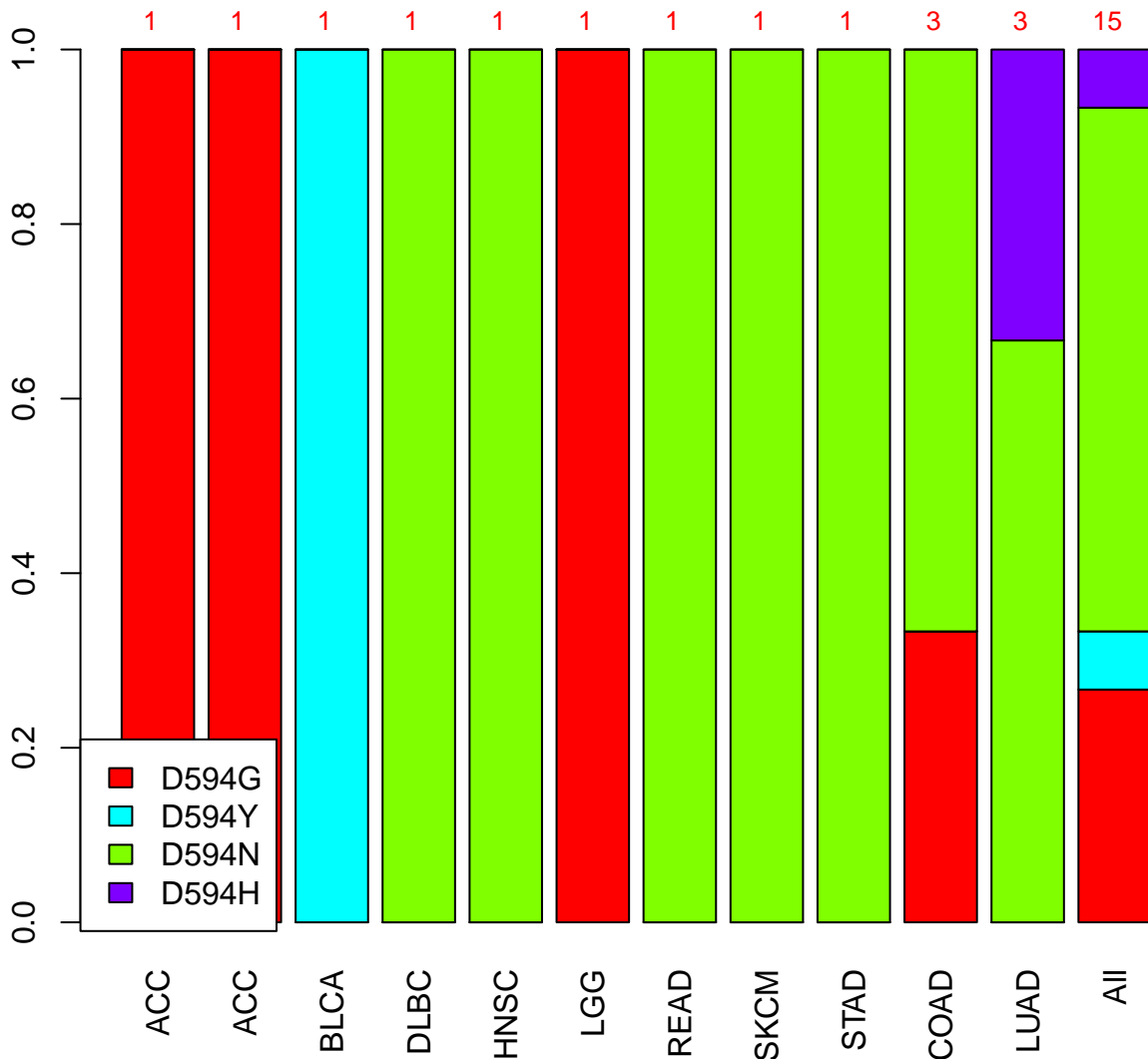




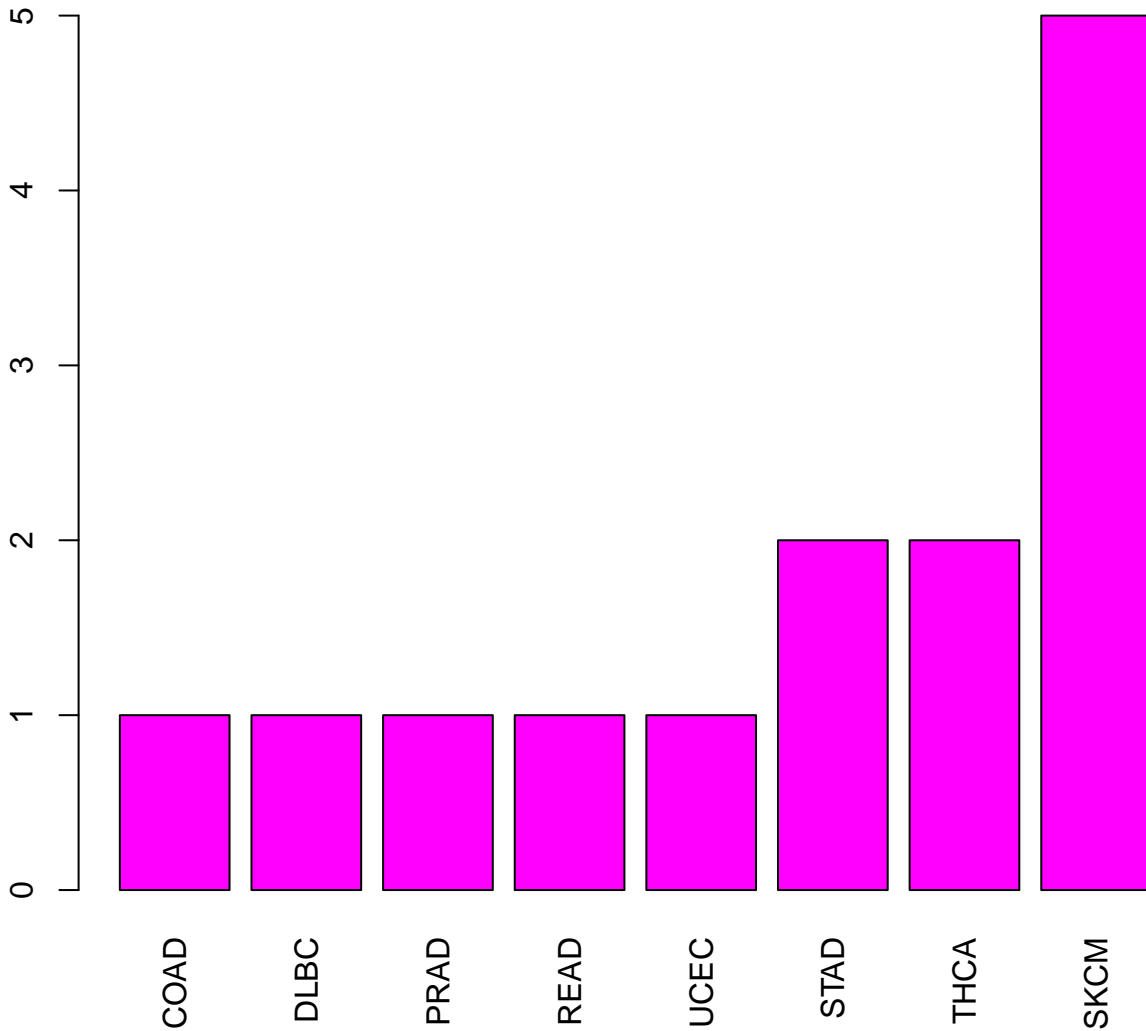
# Mutated allele breakdown for BRAF D594 mutations



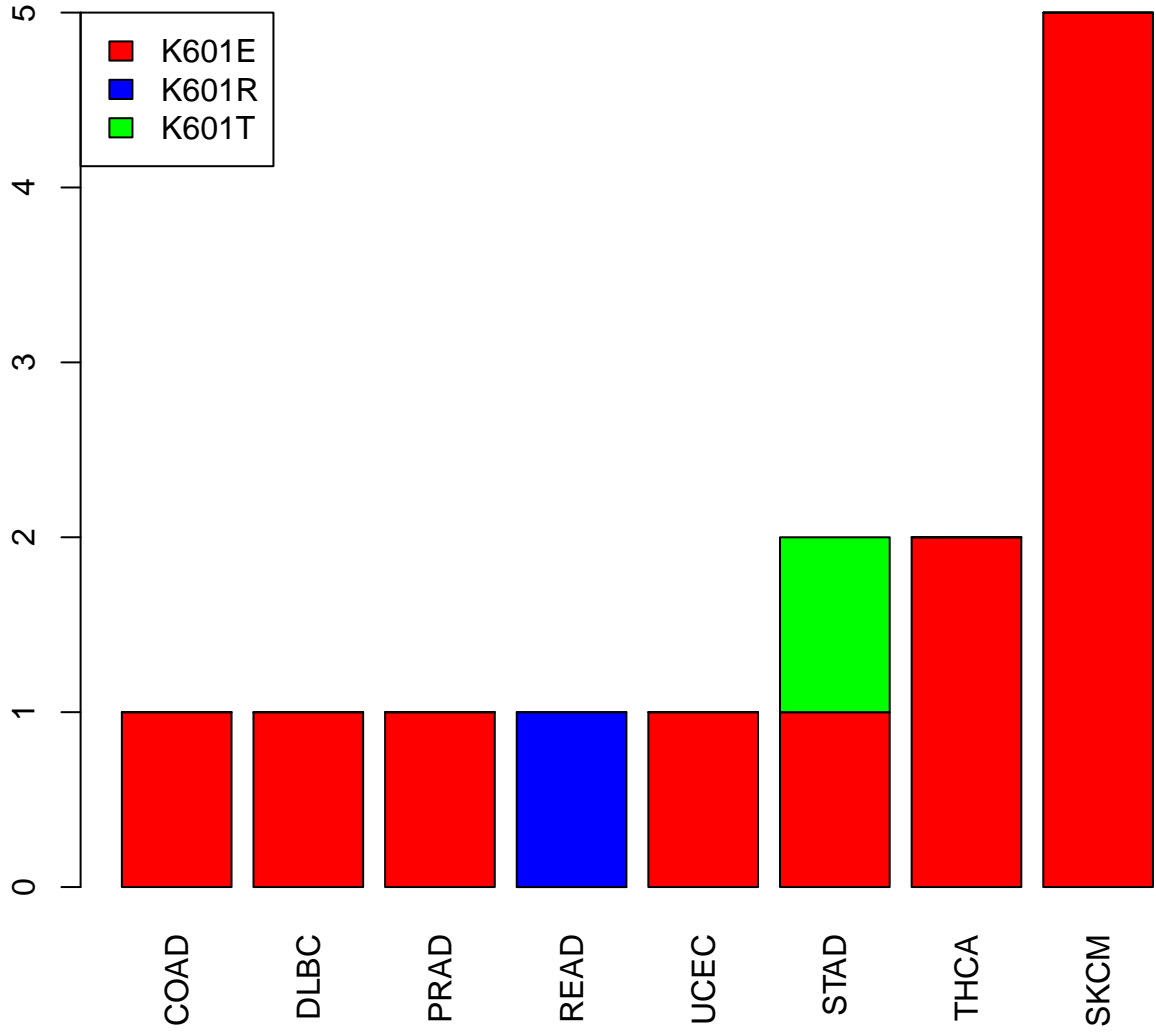
# Proportional view of allele breakdown of BRAF D594 mutations



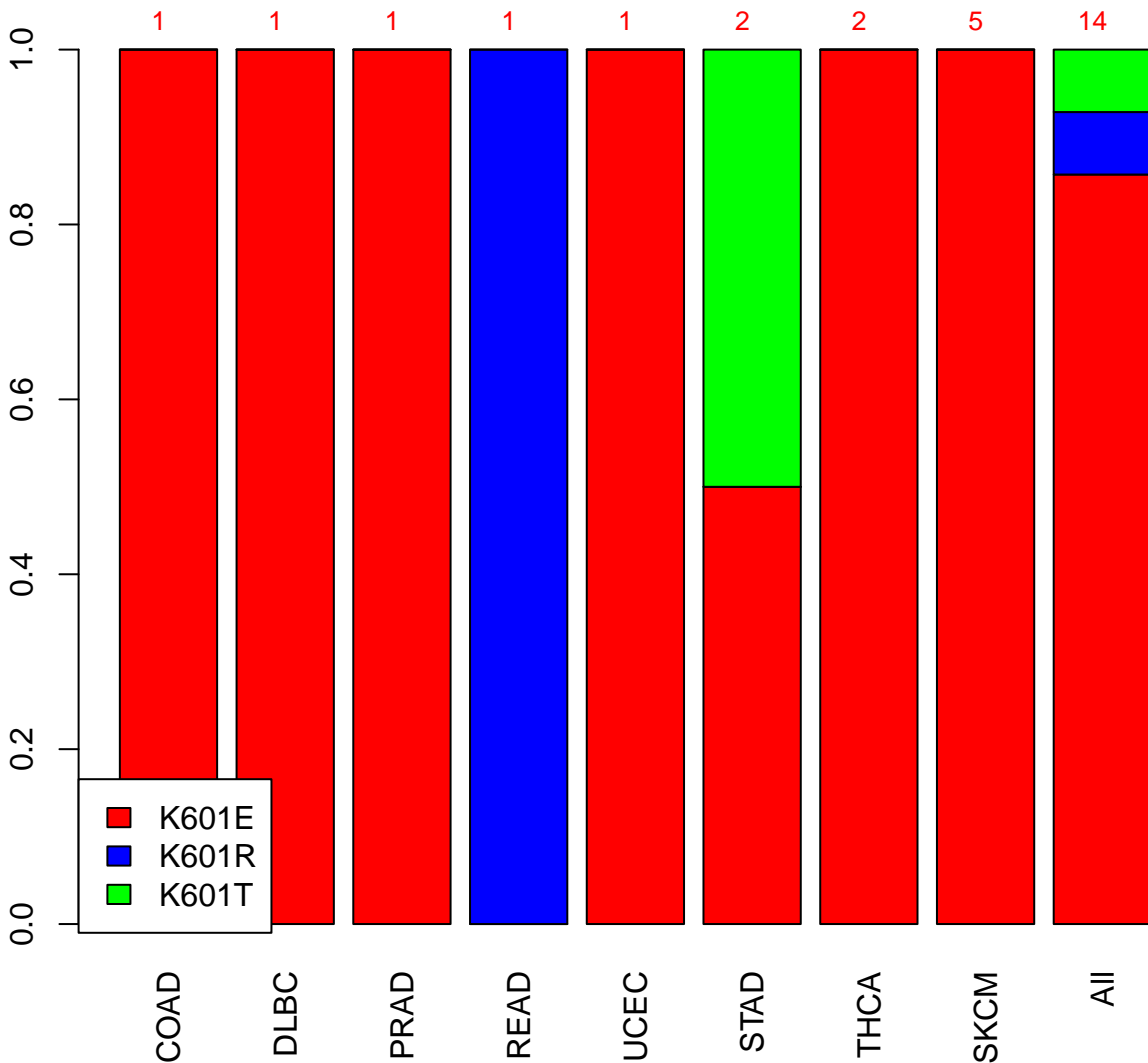
**Total** number of BRAF **K601** mutations in different cancer types



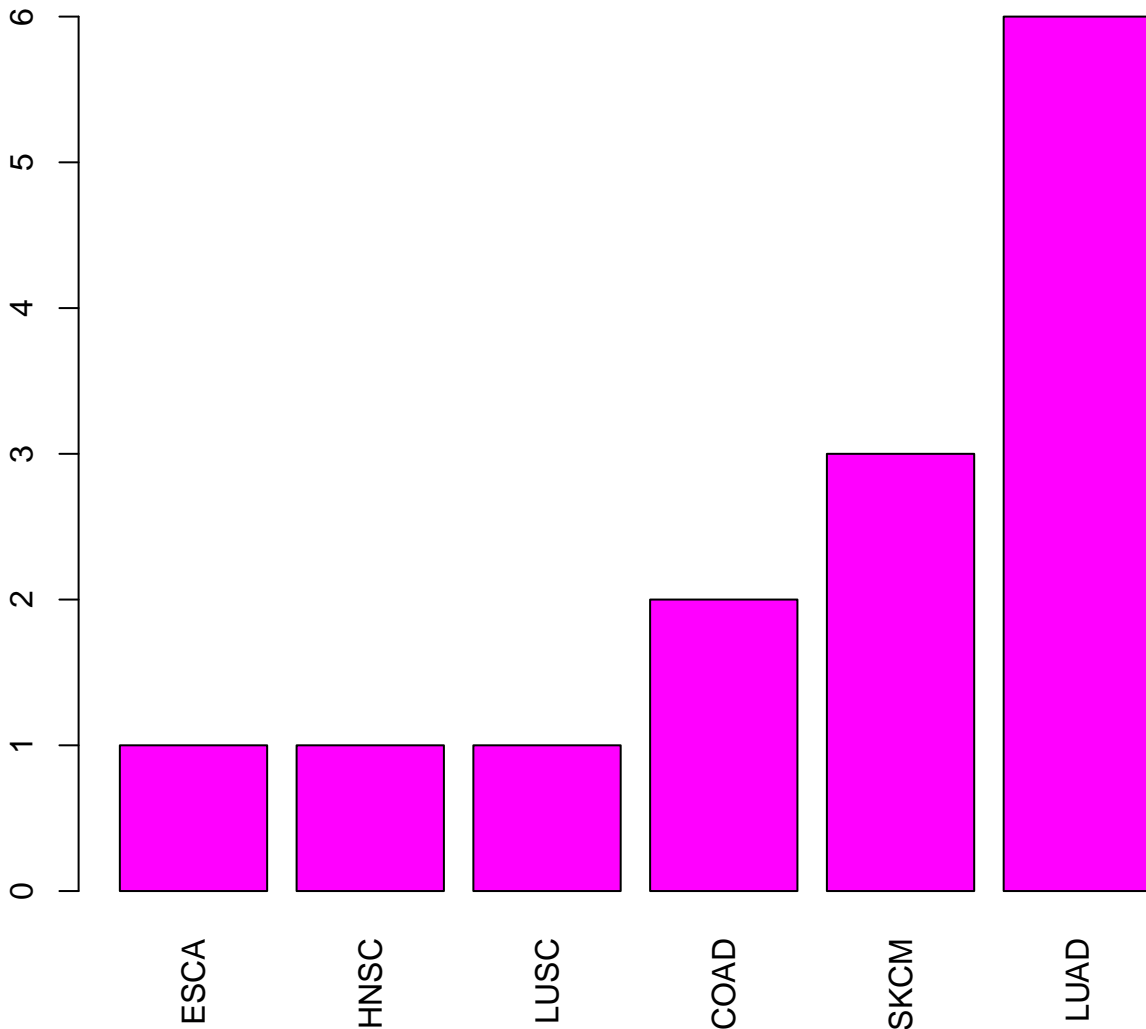
# Mutated allele breakdown for BRAF K601 mutations



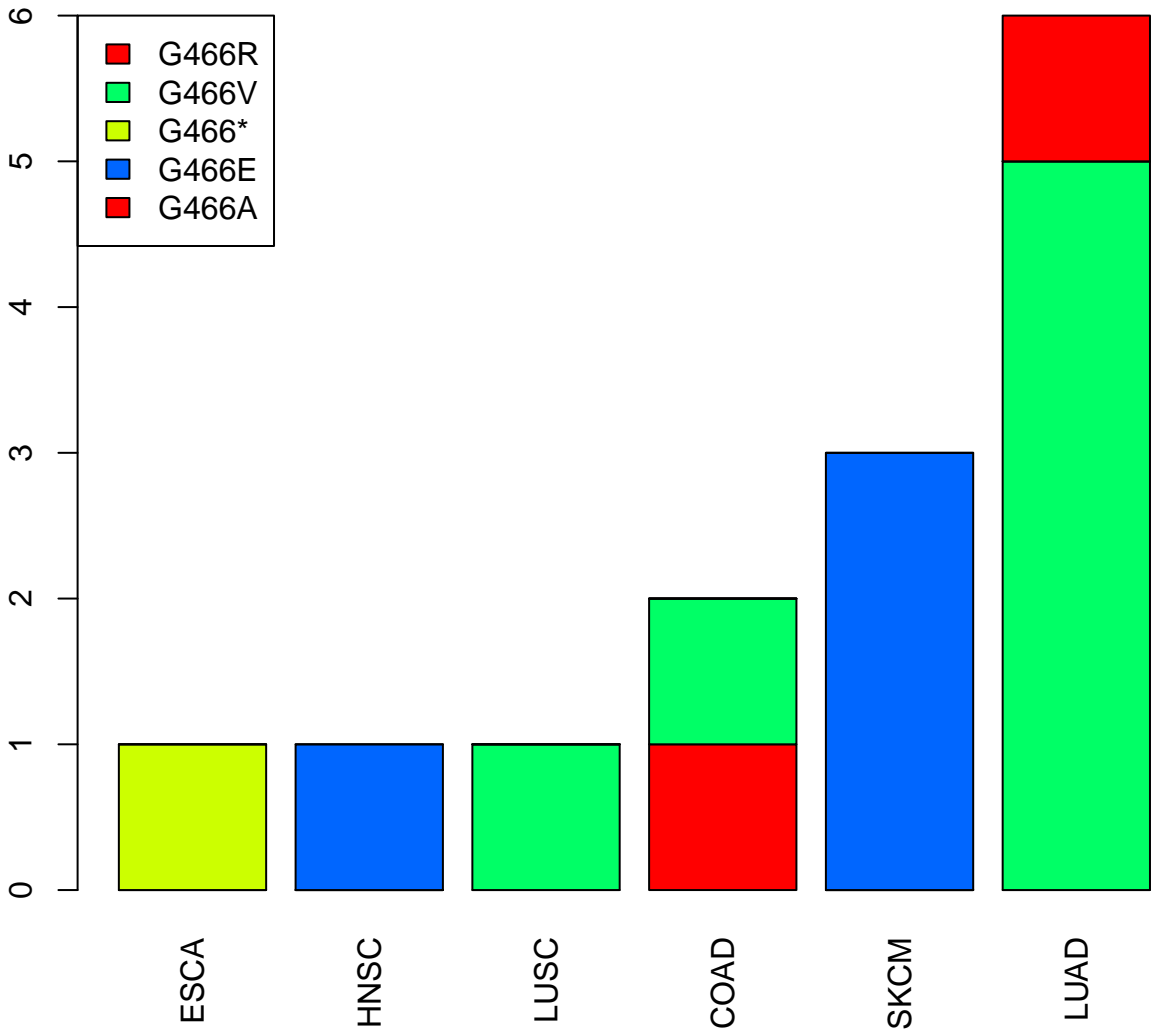
# Proportional view of allele breakdown of BRAF K601 mutations



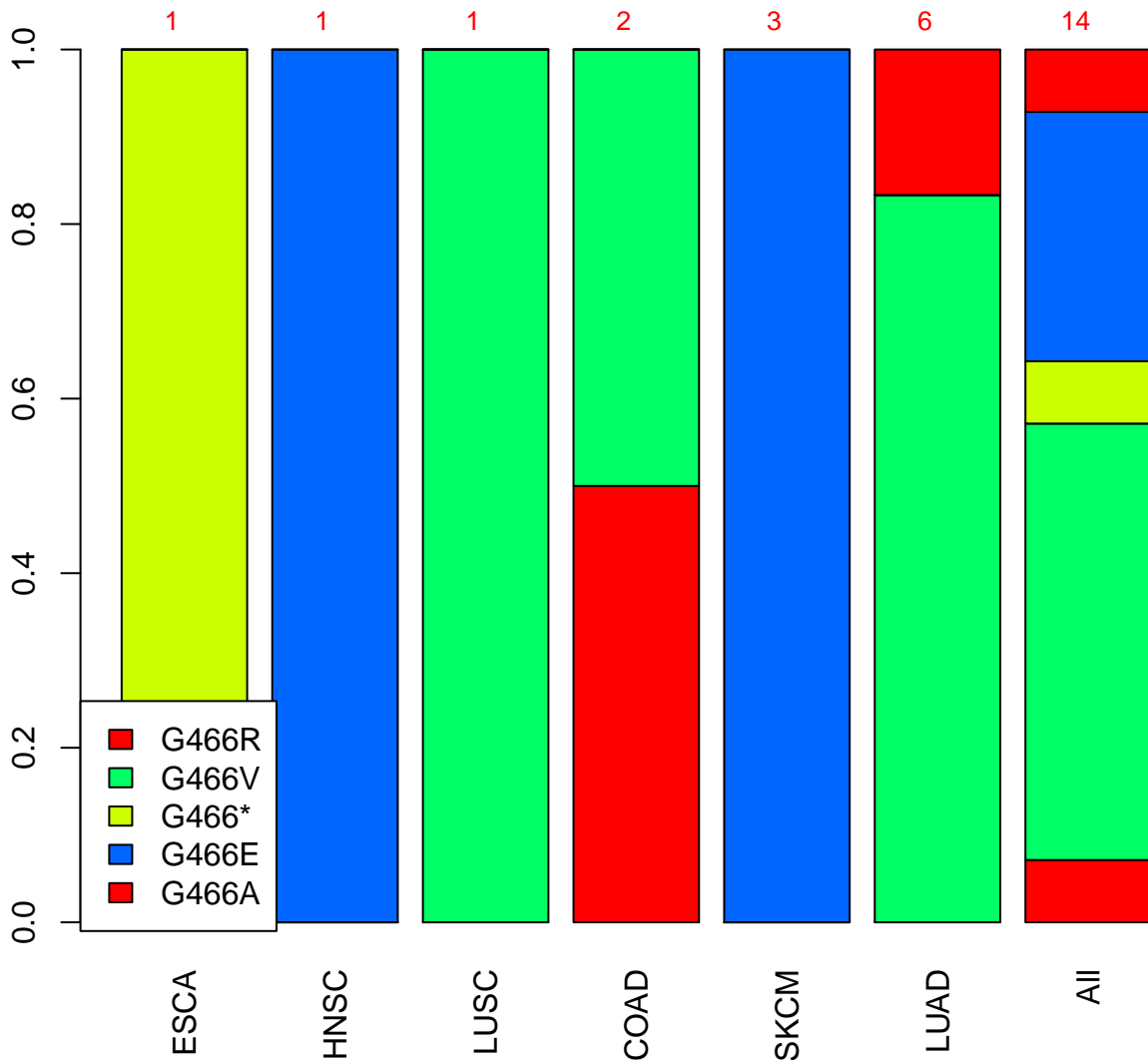
# Total number of BRAF G466 mutations in different cancer types



# Mutated allele breakdown for BRAF G466 mutations

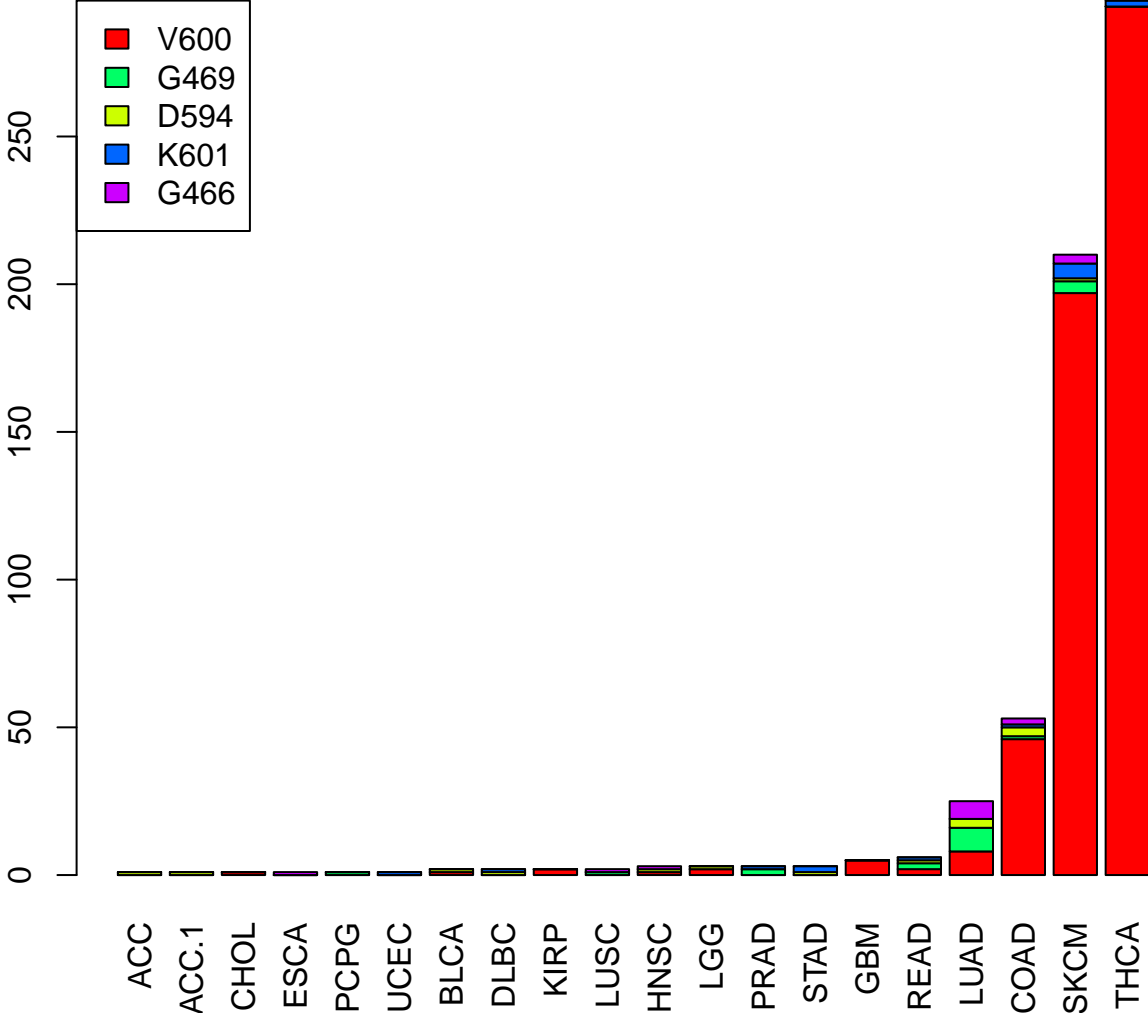


# Proportional view of allele breakdown of BRAF G466 mutations





# Positional breakdown of BRAF mutations across cancer types



# Proportional position breakdown of BRAF mutations

