Table of TCGA Cancer Codes

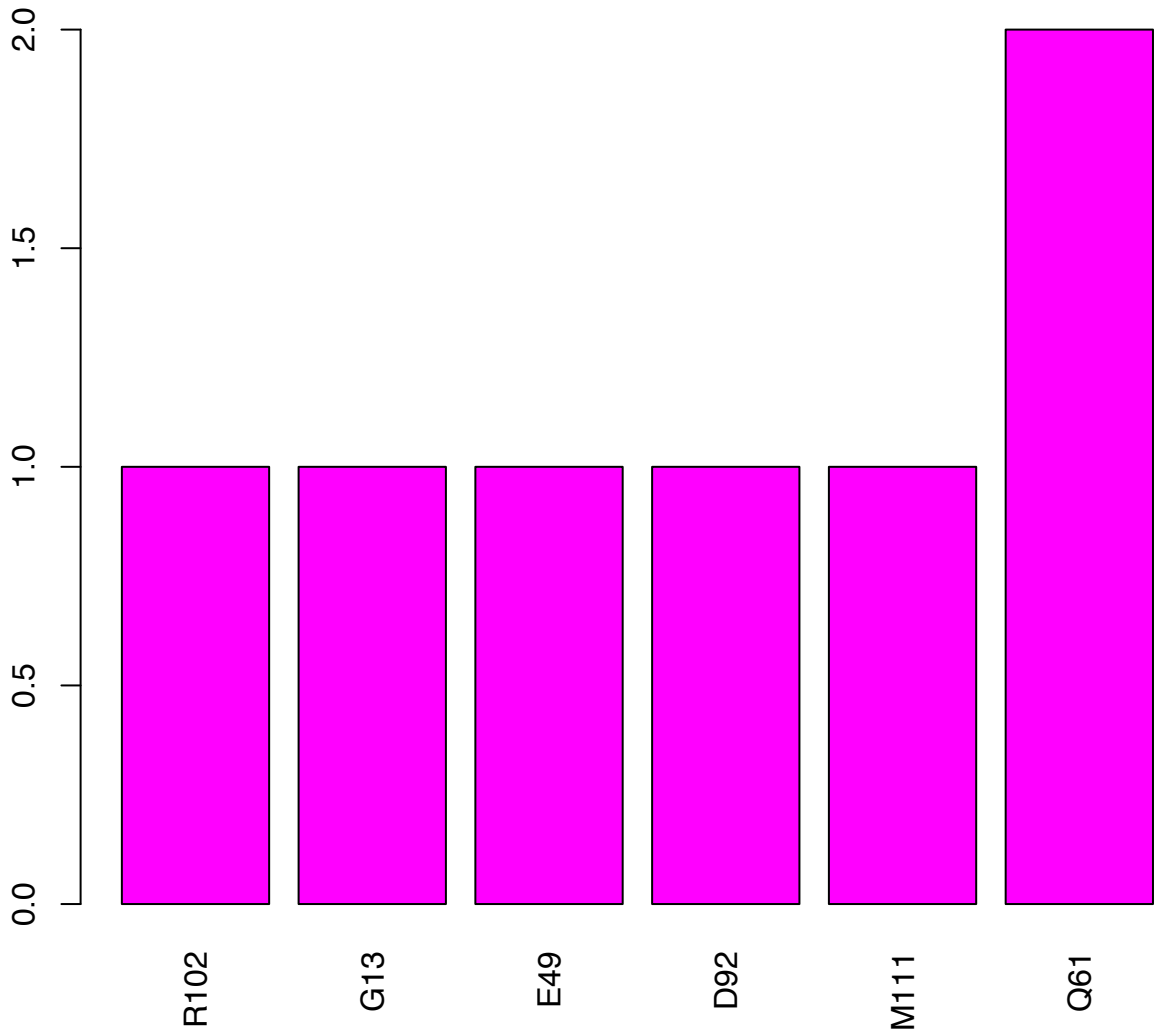| TCGA code	Cancer type	Number*
ACC	Adrenocortical carcinoma	90
BLCA	Bladder urothelial carcinoma	396
BRCA	Breast invasive carcinoma	988
CESC	Cervical squamous cell carcinoma and endocervical adenocarcinoma	194
CHOL	Cholangiocarcinoma (bile duct)	35
COAD	Colon adenocarcinoma	367
DLBC	Lymphoid neoplasm 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

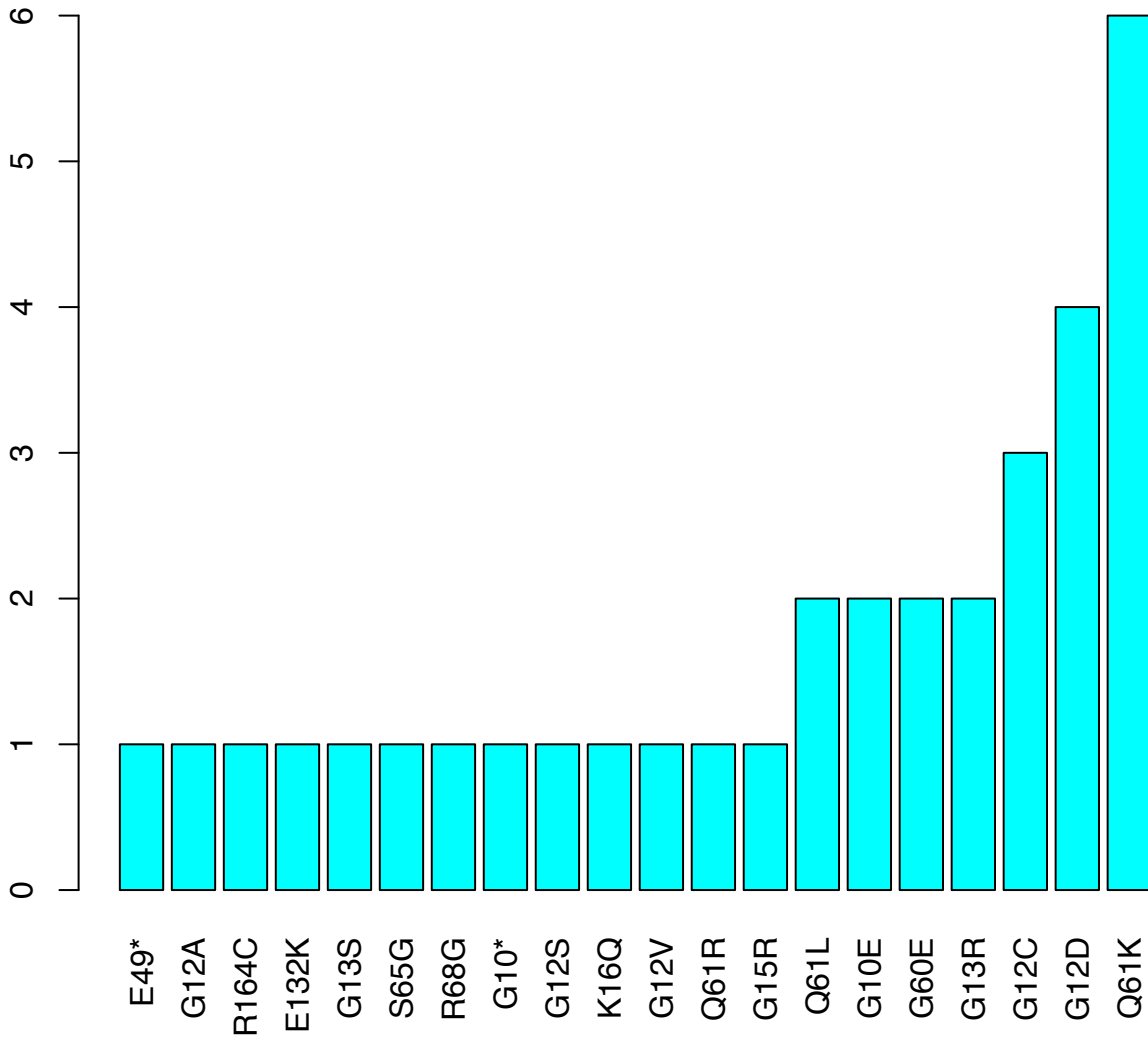NRAS mutant **alleles** in **bladder** urothelial carcinoma (N=396)

NbrSamples=396 Mutant Samples=7 Total Mutations=7

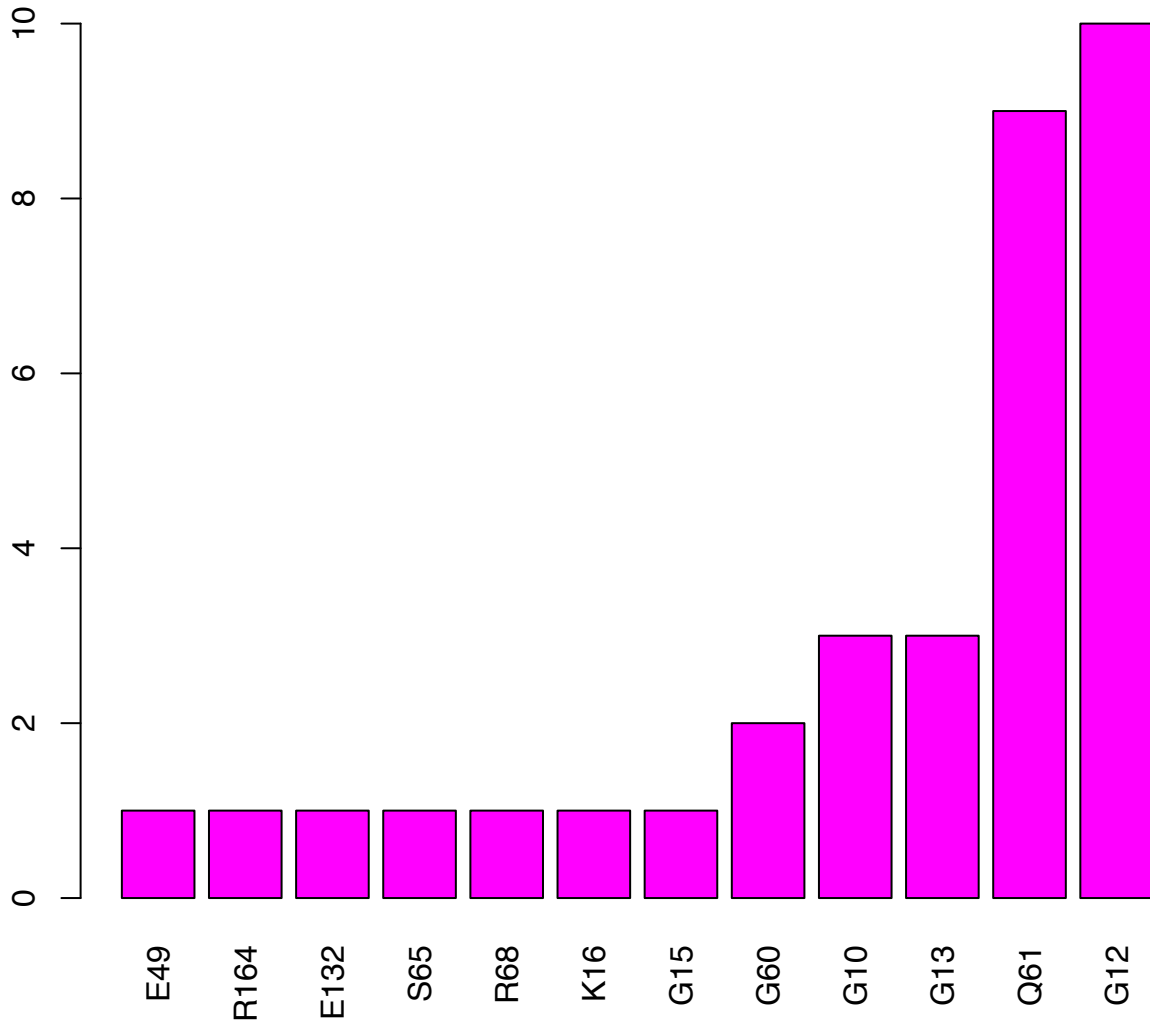NRAS mutant **positions** in **bladder** urothelial carcinoma (N=396)

NbrSamples=396 Mutant Samples=7 Total Mutations=7

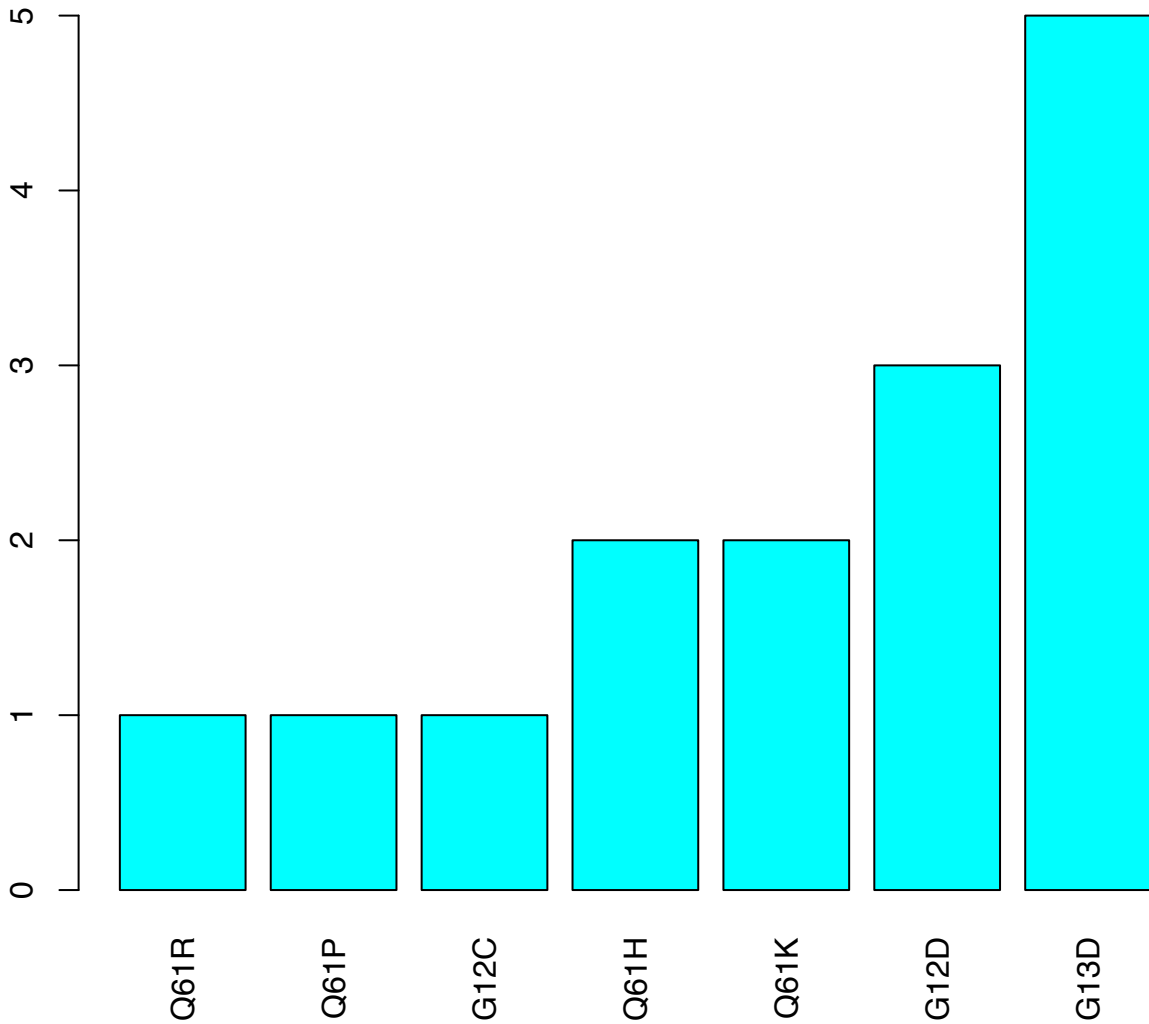NRAS mutant **alleles** in **colon** adenocarcinoma (N=367)

NbrSamples=367 Mutant Samples=33 Total Mutations=34

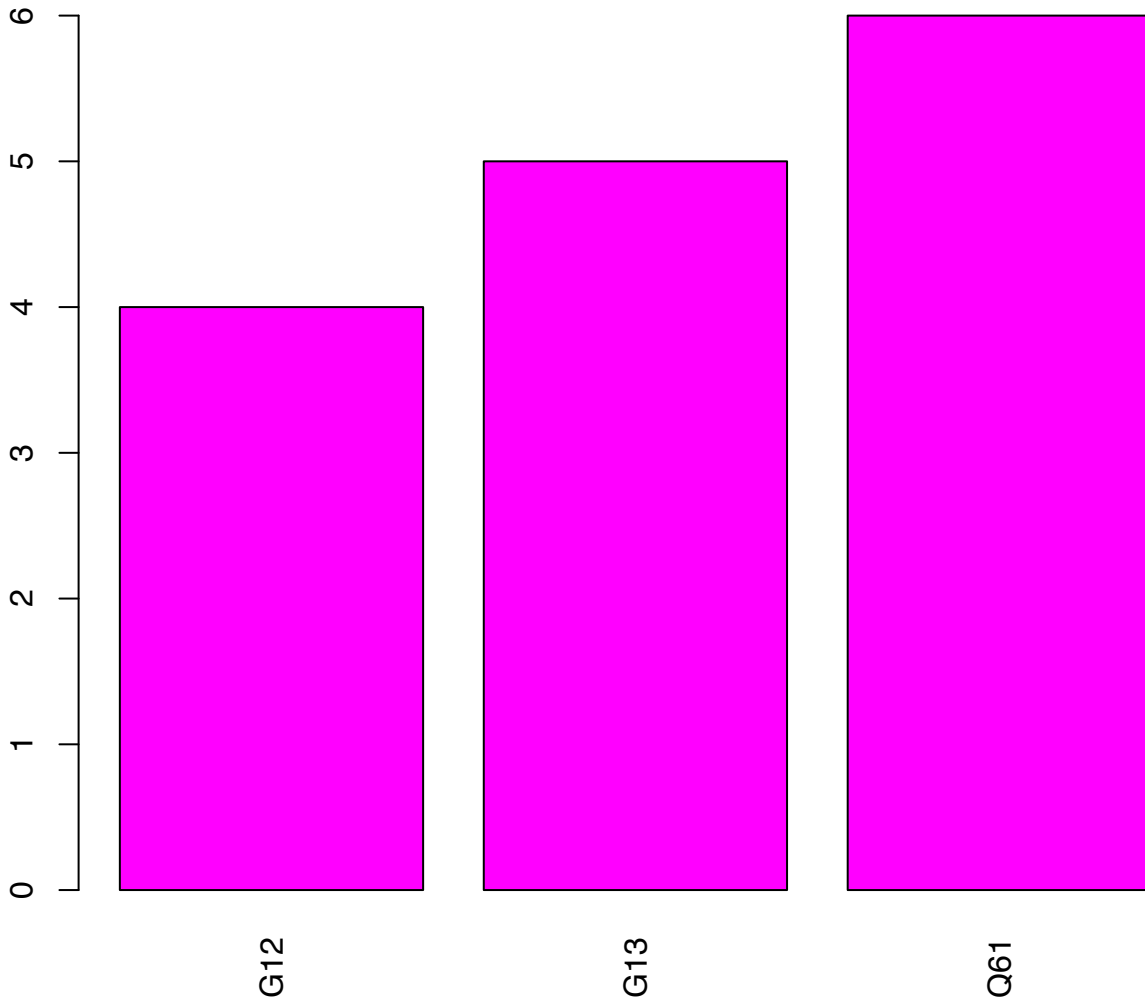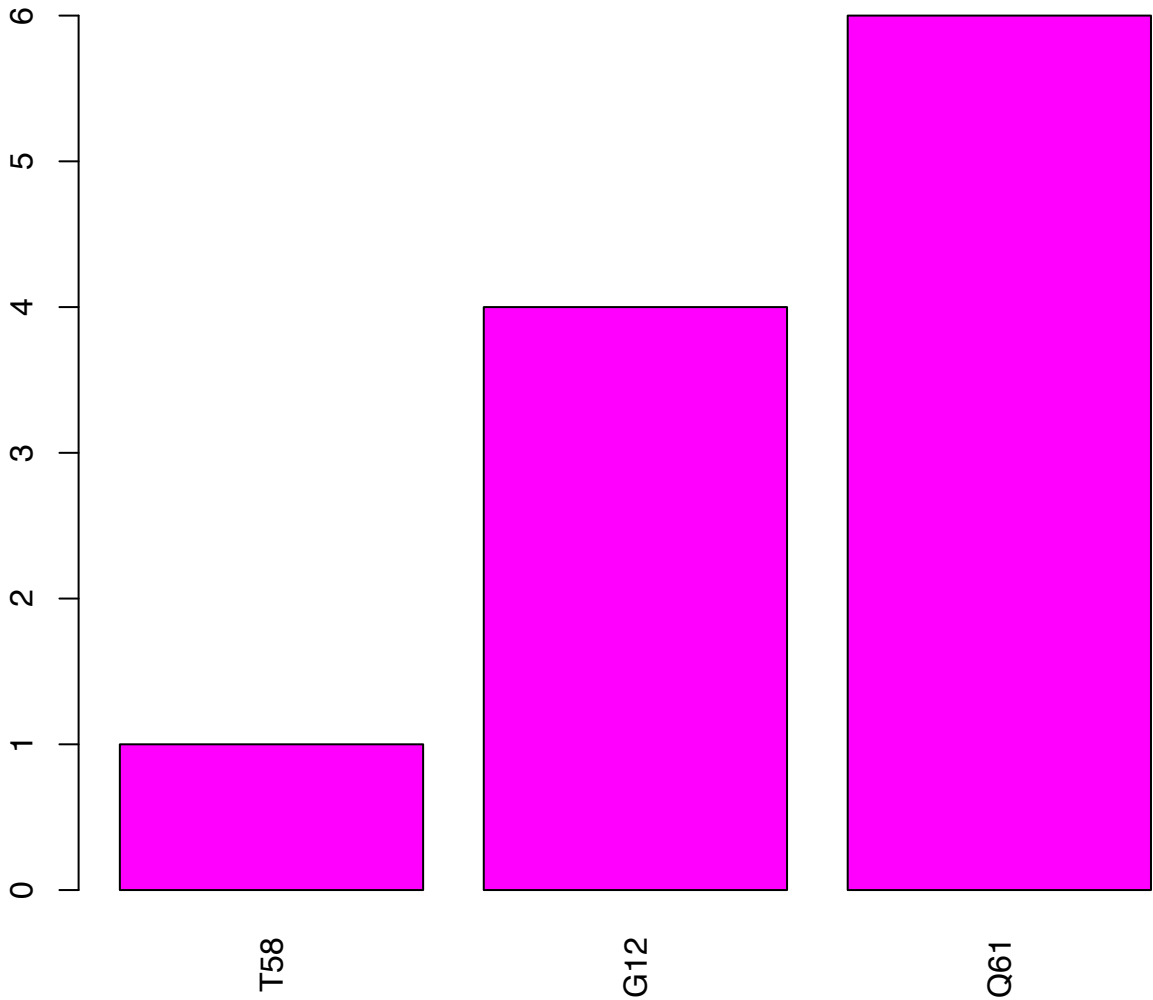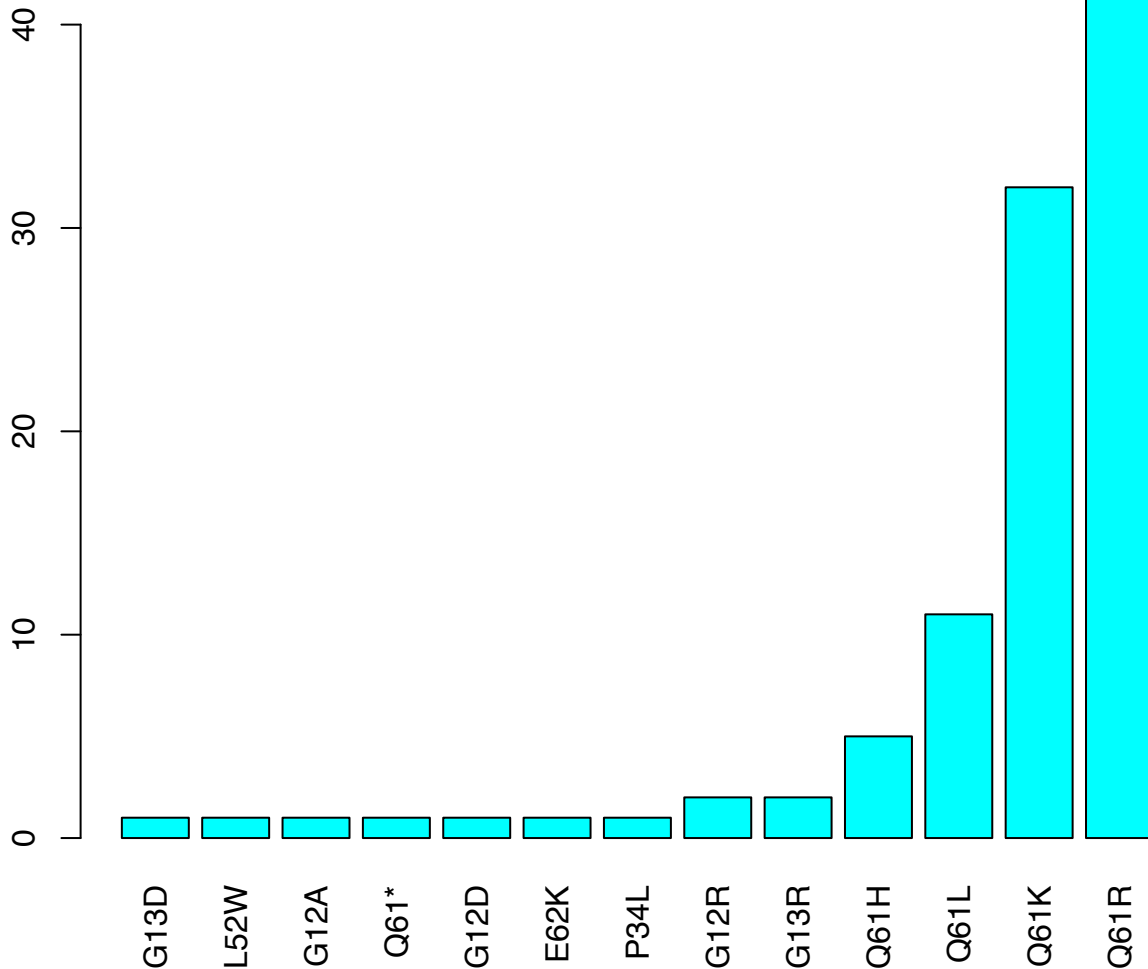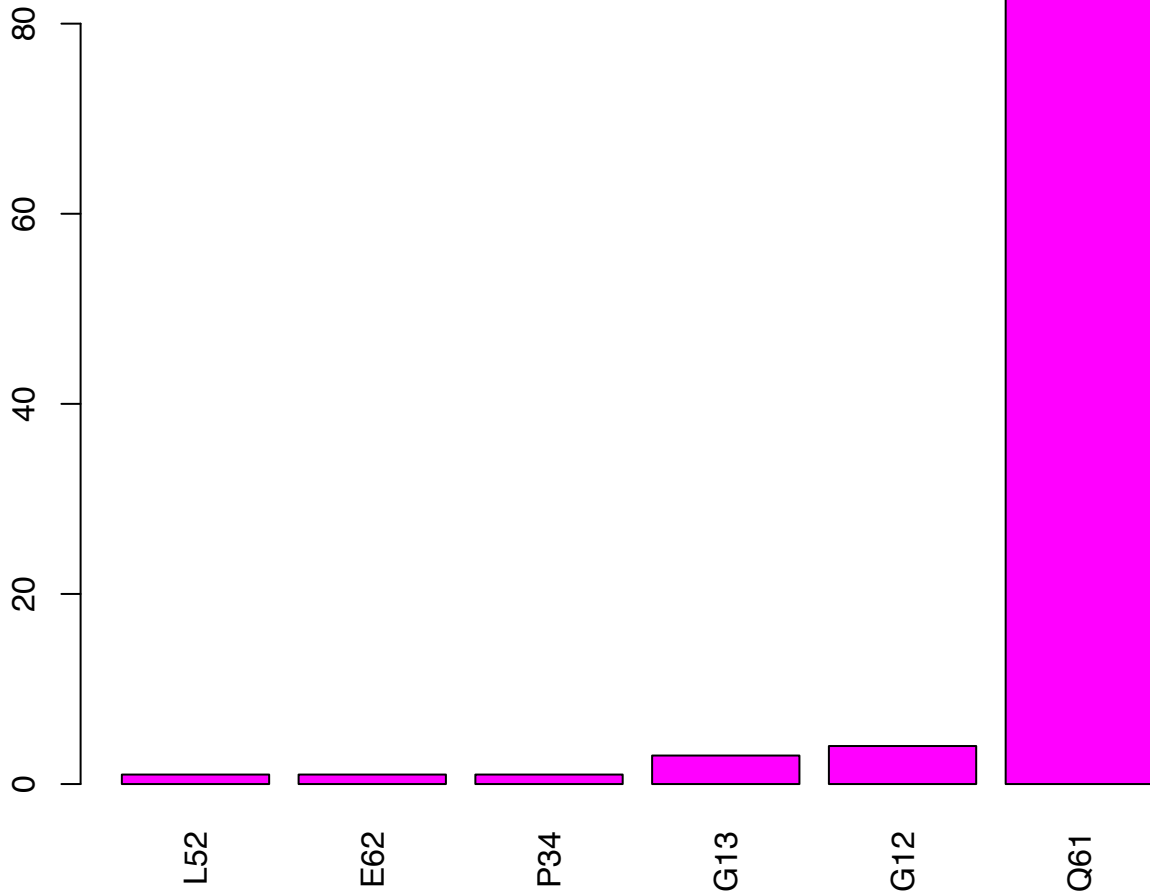NRAS mutant **positions** in **colon** adenocarcinoma (N=367)

NbrSamples=367 Mutant Samples=33 Total Mutations=34

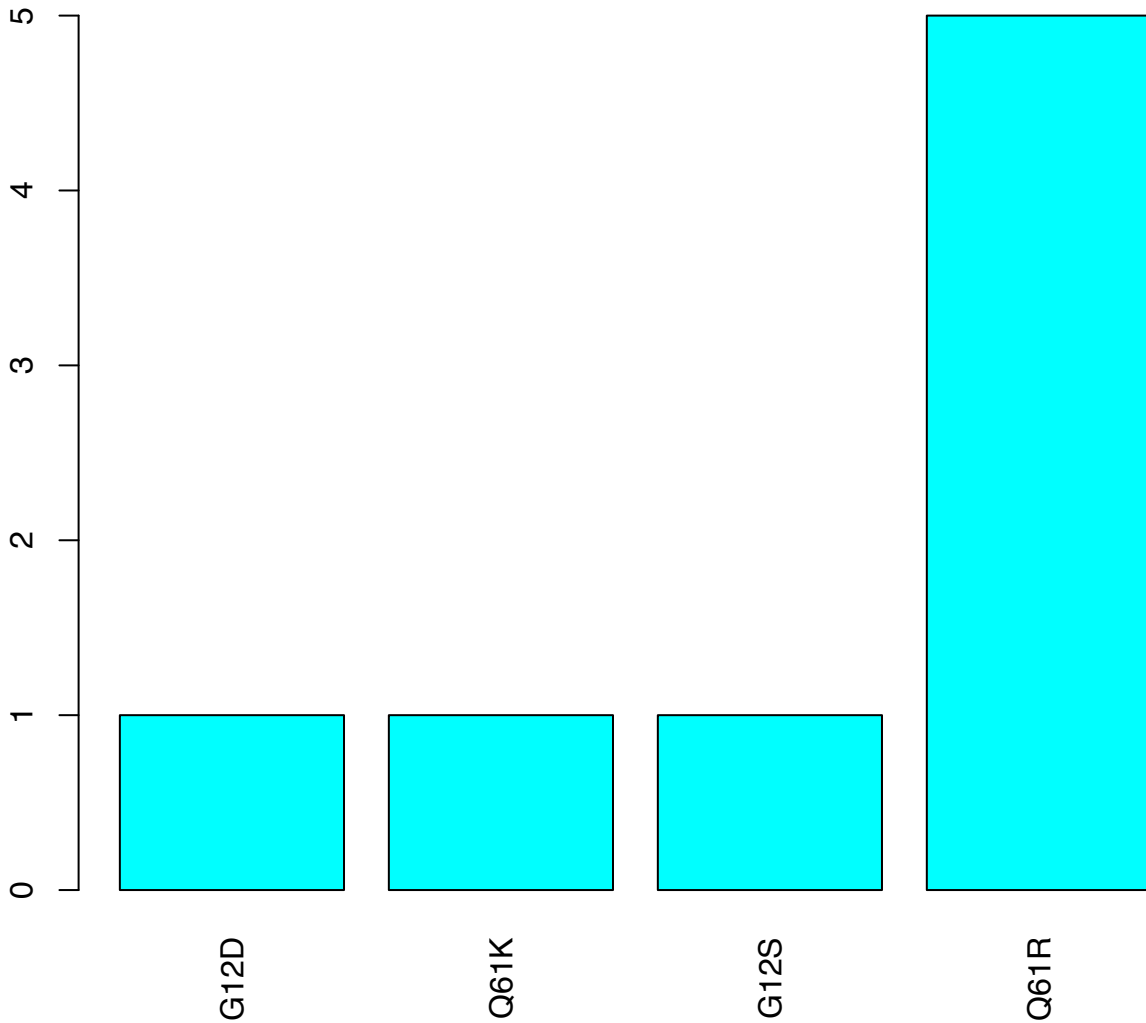NRAS mutant **alleles** in acute **myeloid leukemia** (N=197)

NbrSamples=197 Mutant Samples=15 Total Mutations=15

NRAS mutant **positions** in acute **myeloid leukemia** (N=197)

NbrSamples=197 Mutant Samples=15 Total Mutations=15

NRAS mutant **alleles** in **rectum** adenocarcinoma (N=122)

NbrSamples=122 Mutant Samples=11 Total Mutations=11

NRAS mutant **positions** in **rectum** adenocarcinoma (N=122)

NbrSamples=122 Mutant Samples=11 Total Mutations=11

NRAS mutant **alleles** in skin cutaneous **melanoma** (N=371)

NbrSamples=371 Mutant Samples=98 Total Mutations=102

NRAS mutant **positions** in skin cutaneous **melanoma** (N=371)

NbrSamples=371 Mutant Samples=98 Total Mutations=102

NRAS mutant **alleles** in **testicular** germ cell tumors (N=155)

NbrSamples=155 Mutant Samples=8 Total Mutations=8

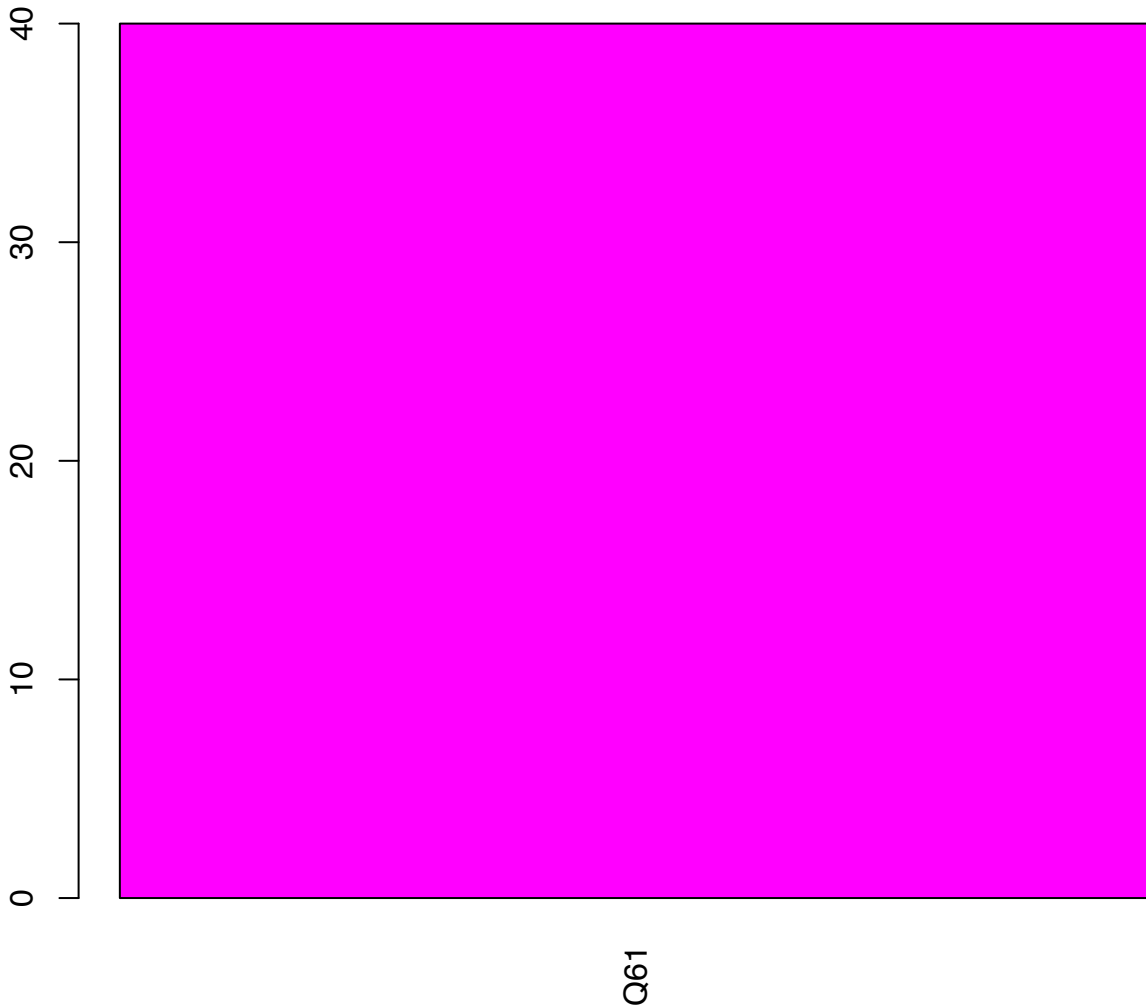NRAS mutant **positions** in **testicular** germ cell tumors (N=155)

NbrSamples=155 Mutant Samples=8 Total Mutations=8

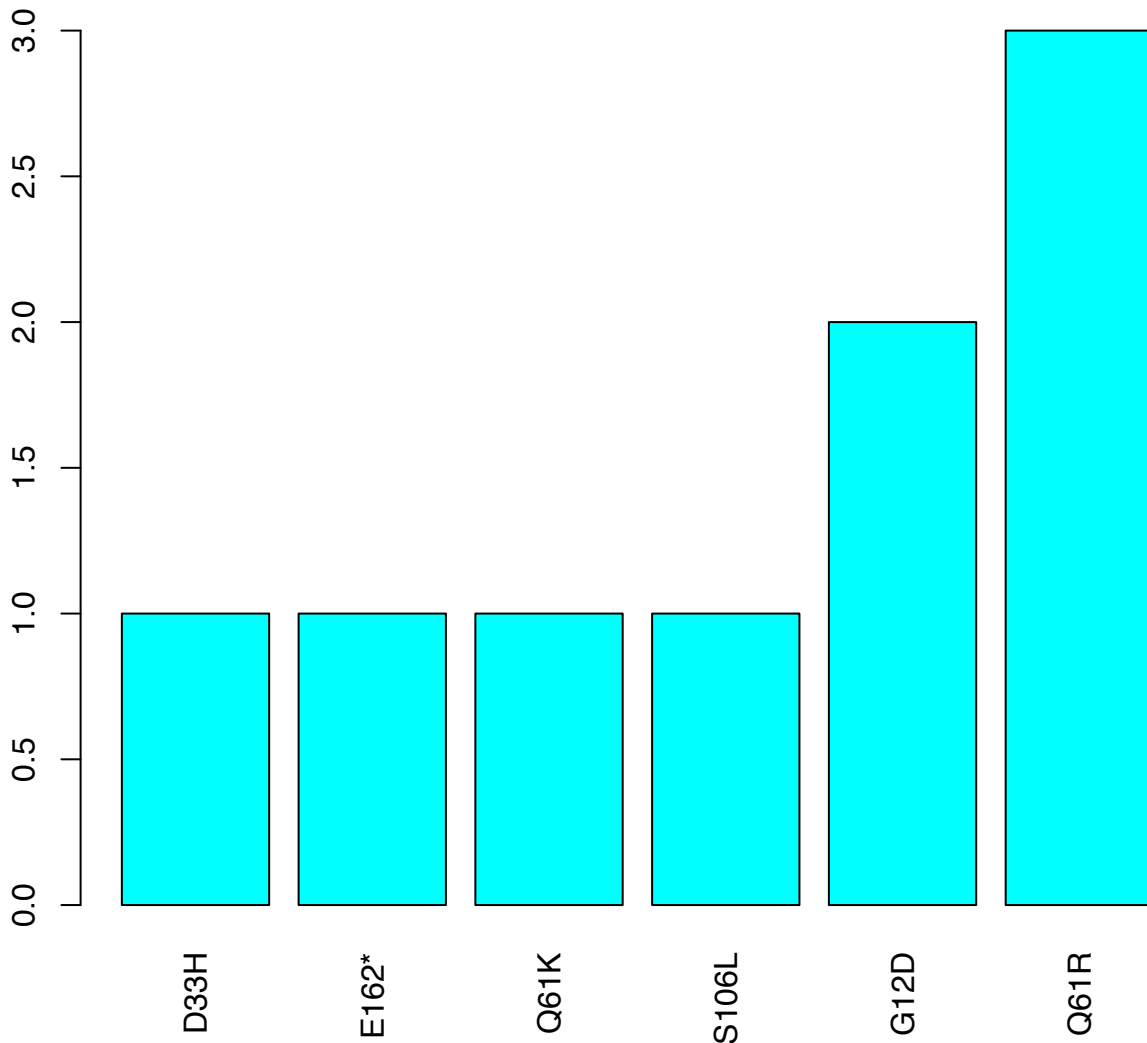NRAS mutant **alleles** in **thyroid** carcinoma (N=504)

NbrSamples=504 Mutant Samples=40 Total Mutations=40

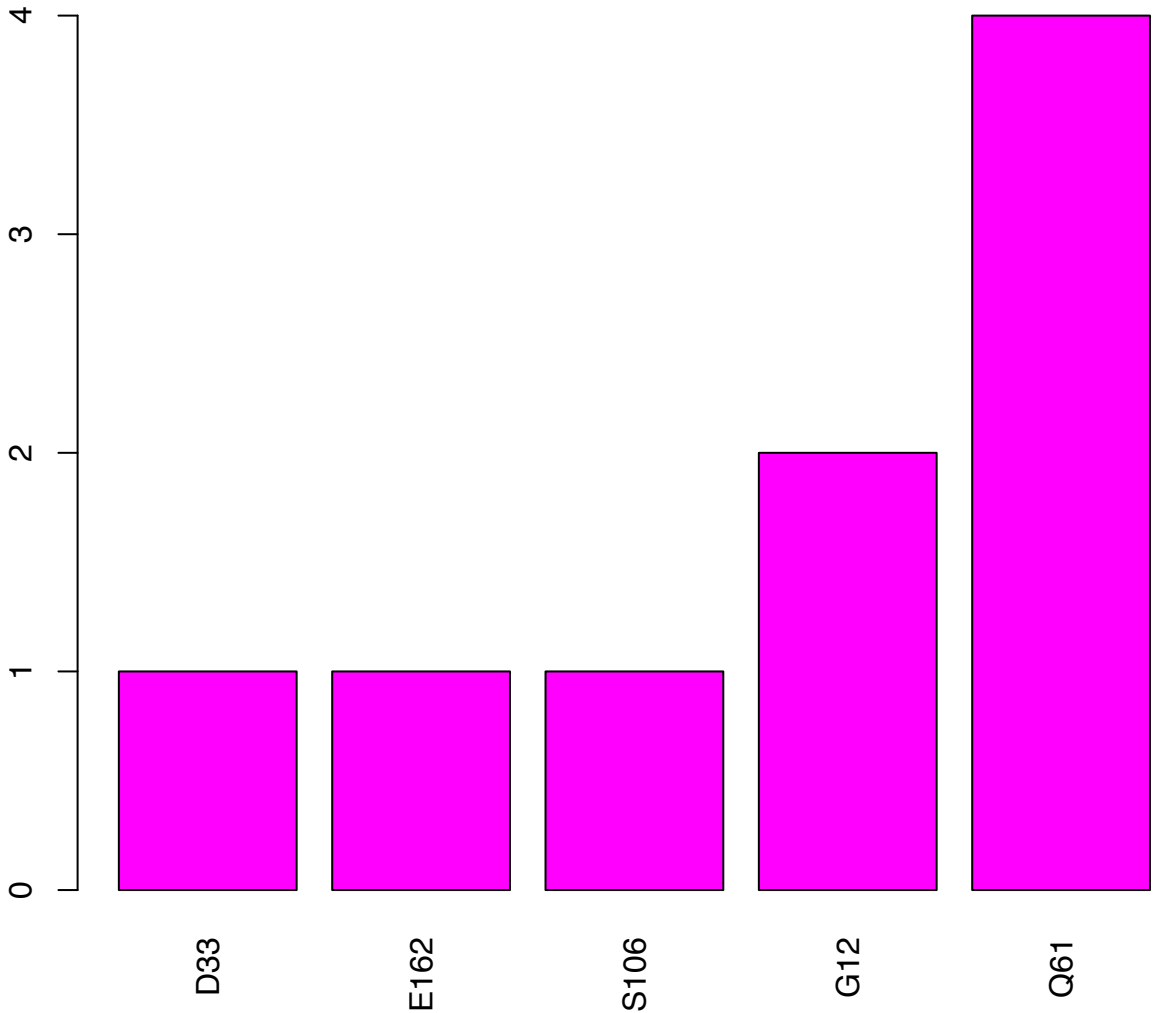# NRAS mutant **positions** in **thyroid** carcinoma (N=504)

Q61

NbrSamples=504 Mutant Samples=40 Total Mutations=40

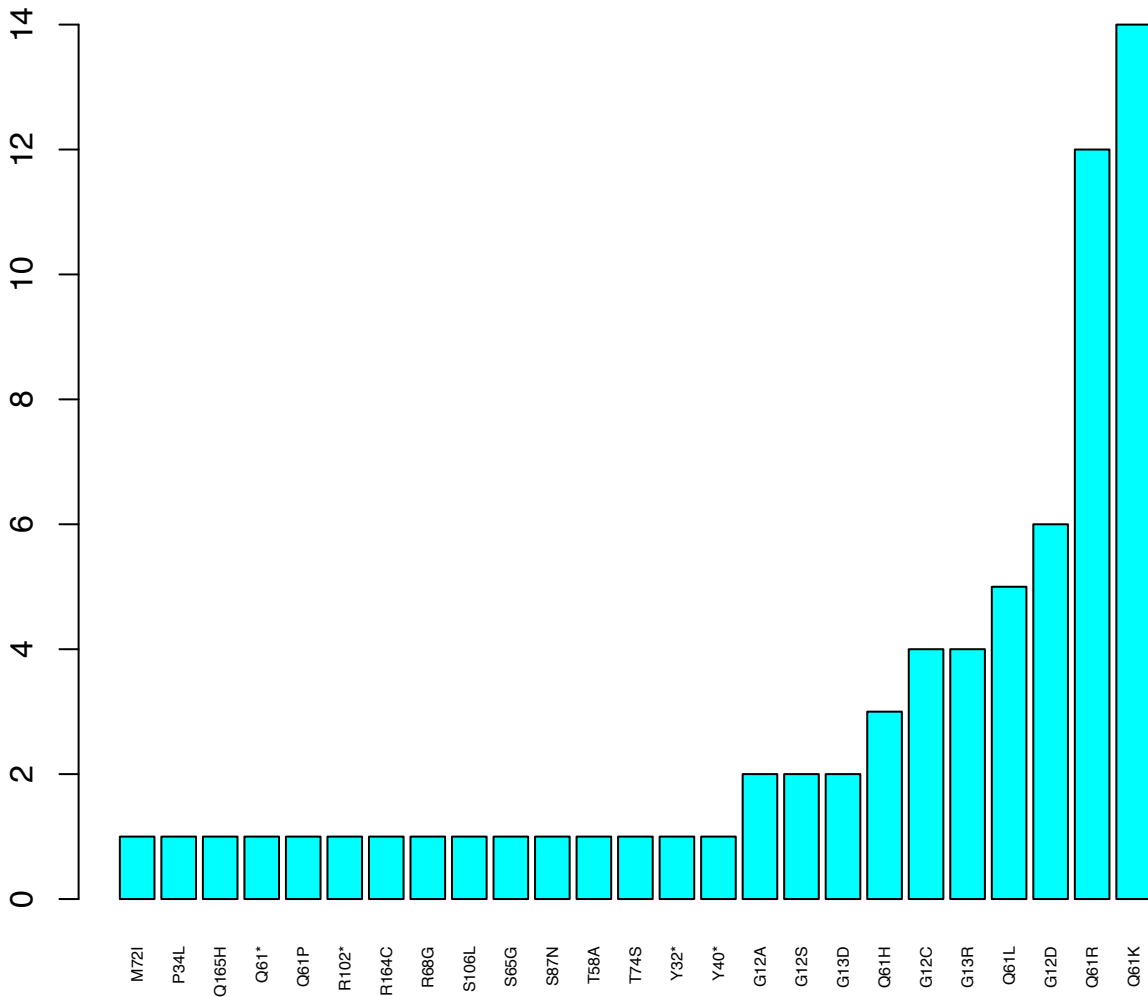NRAS mutant **alleles** in uterine corpus **endometrial** carcinoma (N=248)

NbrSamples=248 Mutant Samples=9 Total Mutations=9

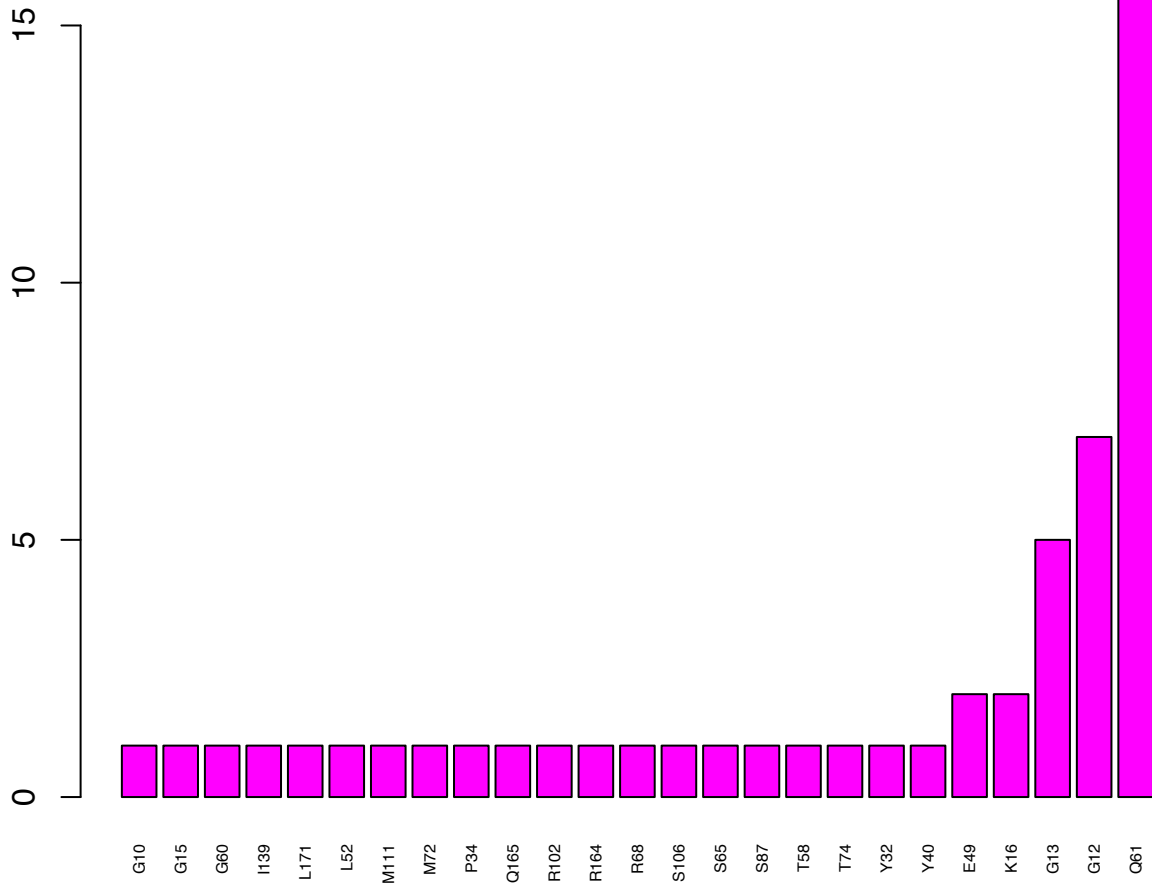NRAS mutant **positions** in uterine corpus **endometrial** carcinoma (N=248)

NbrSamples=248 Mutant Samples=9 Total Mutations=9

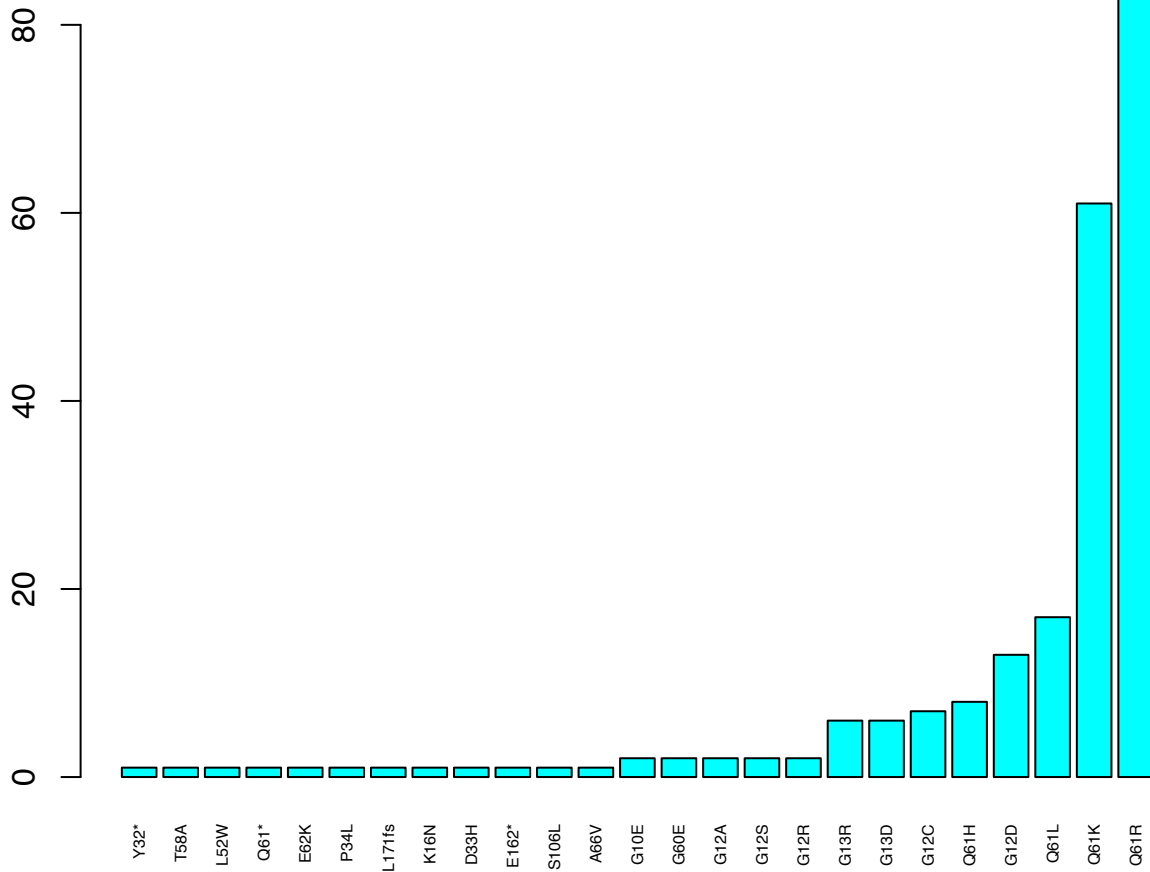Number of cancer **types** where each NRAS **mutation** occurs, **top 25**

25 not shown

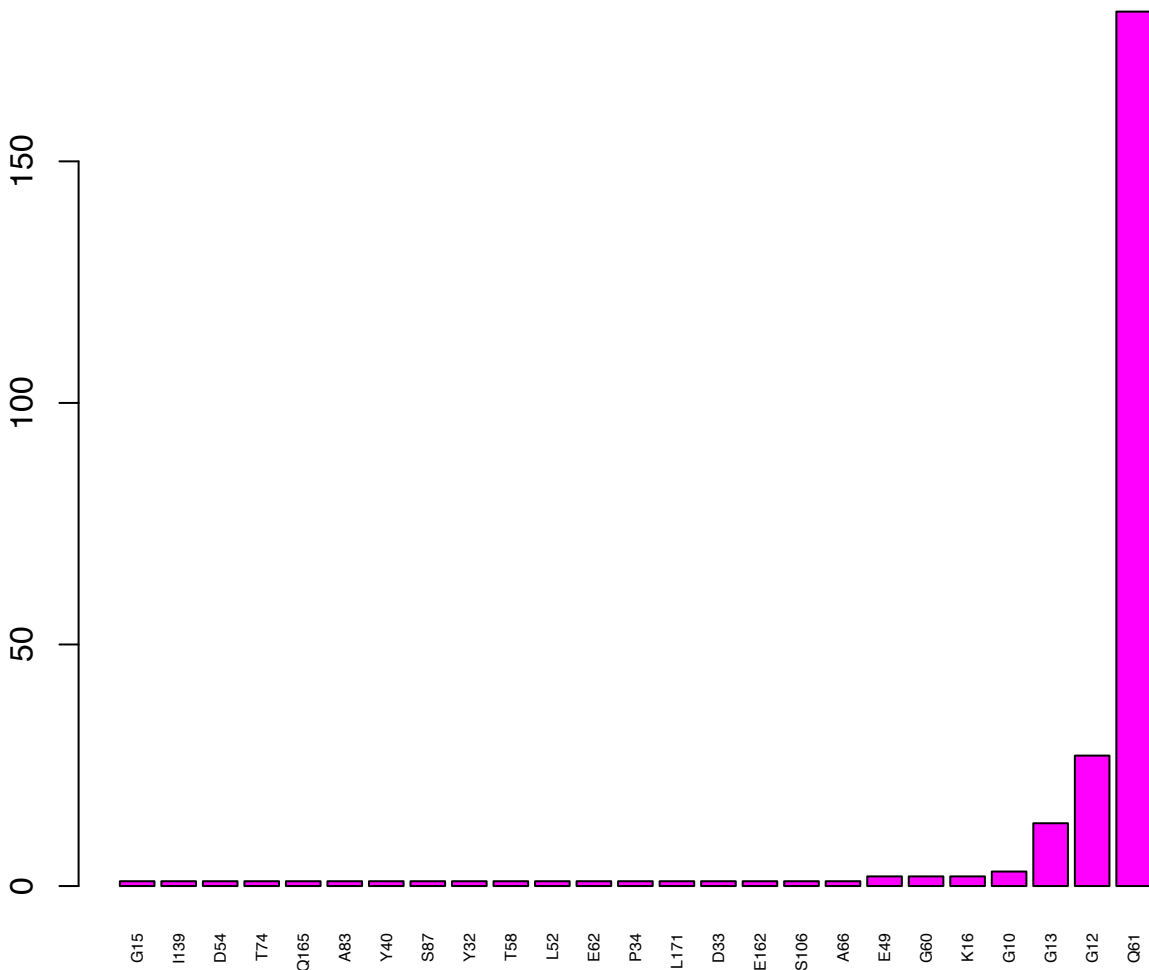Number of cancer **types** where each NRAS mutation **position** occurs, **top 25**

10 not shown

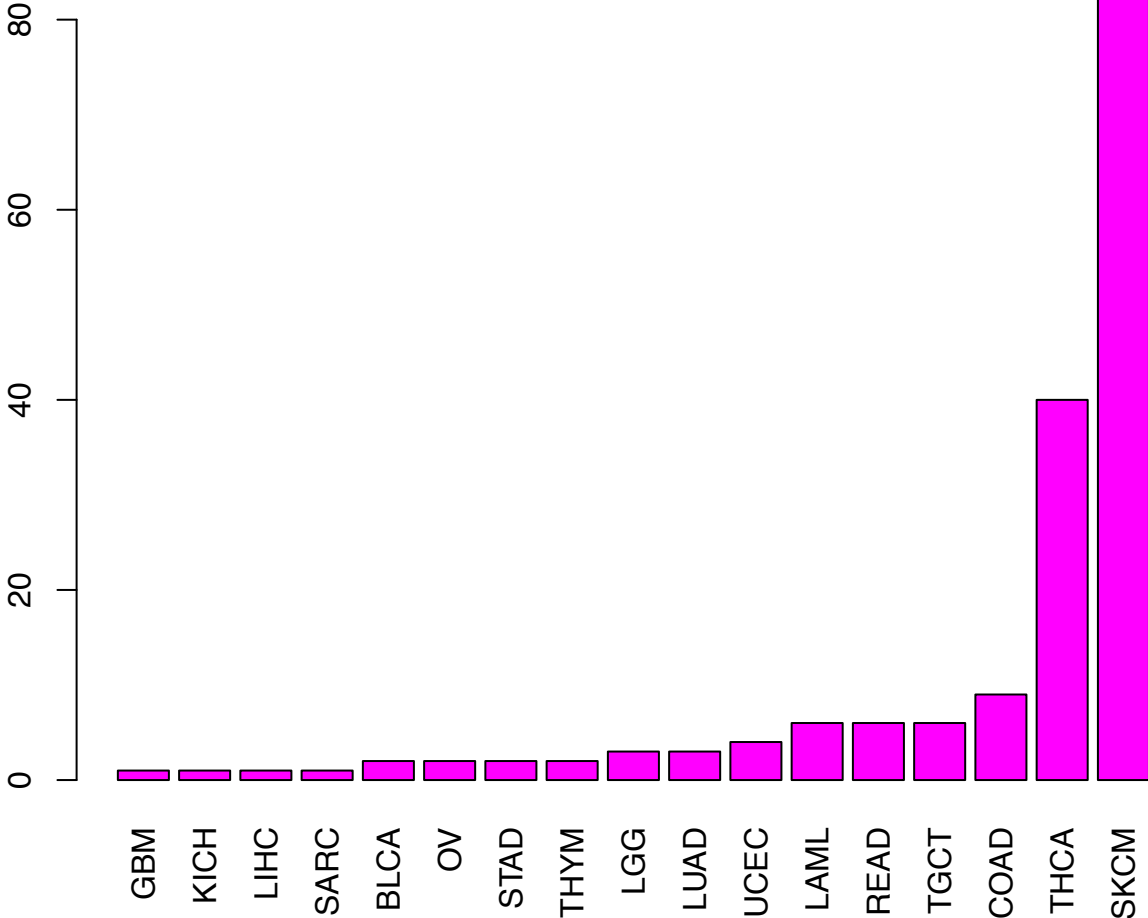Number of **times** each NRAS **mutation** occurs across all cancer types, **top 25**

25 not shown

Number of **times** each NRAS mutation **position** occurs across all cancer types, **top 25**
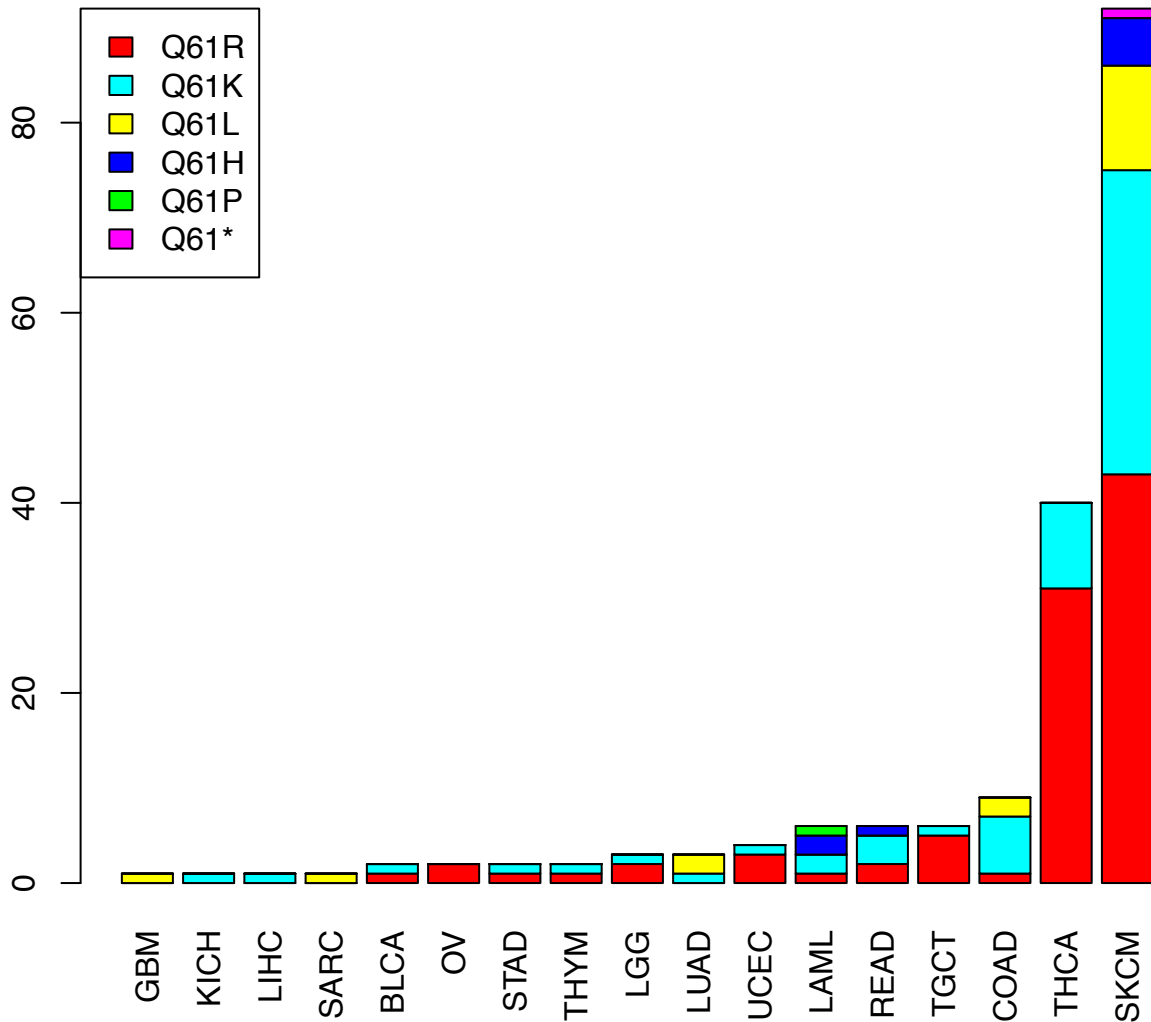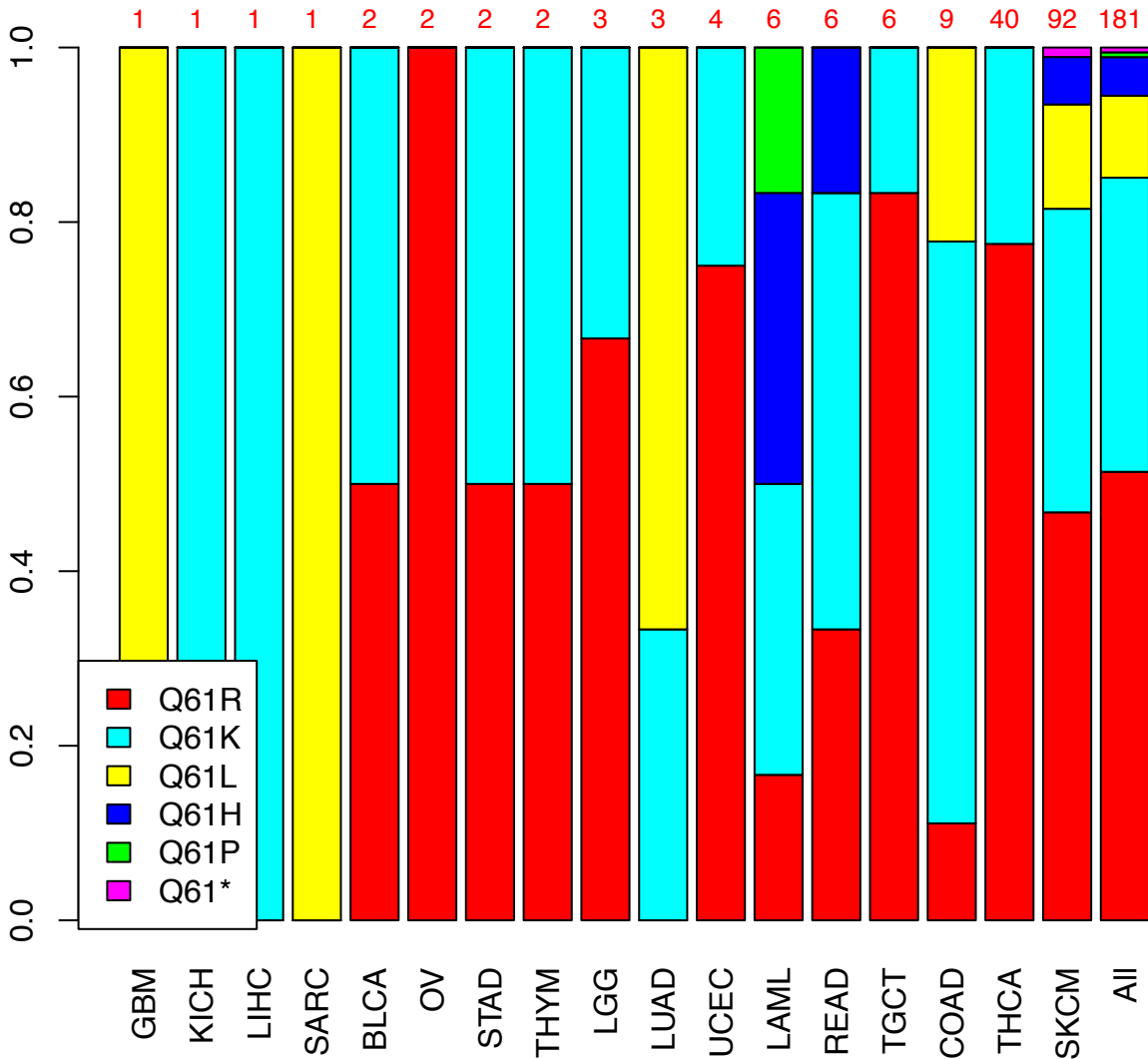
10 not shown

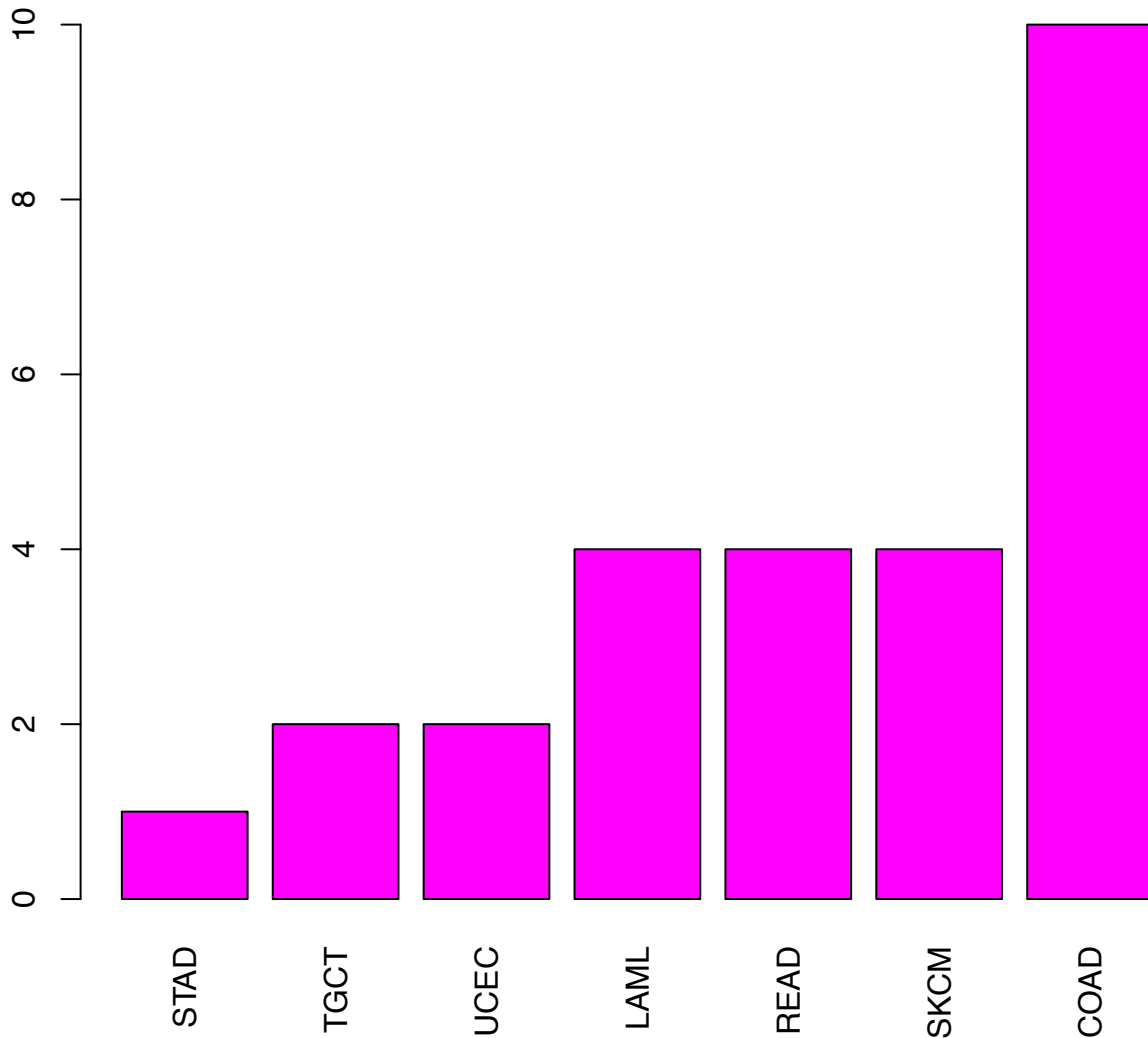Total number of NRAS **Q61** mutations in different cancer types
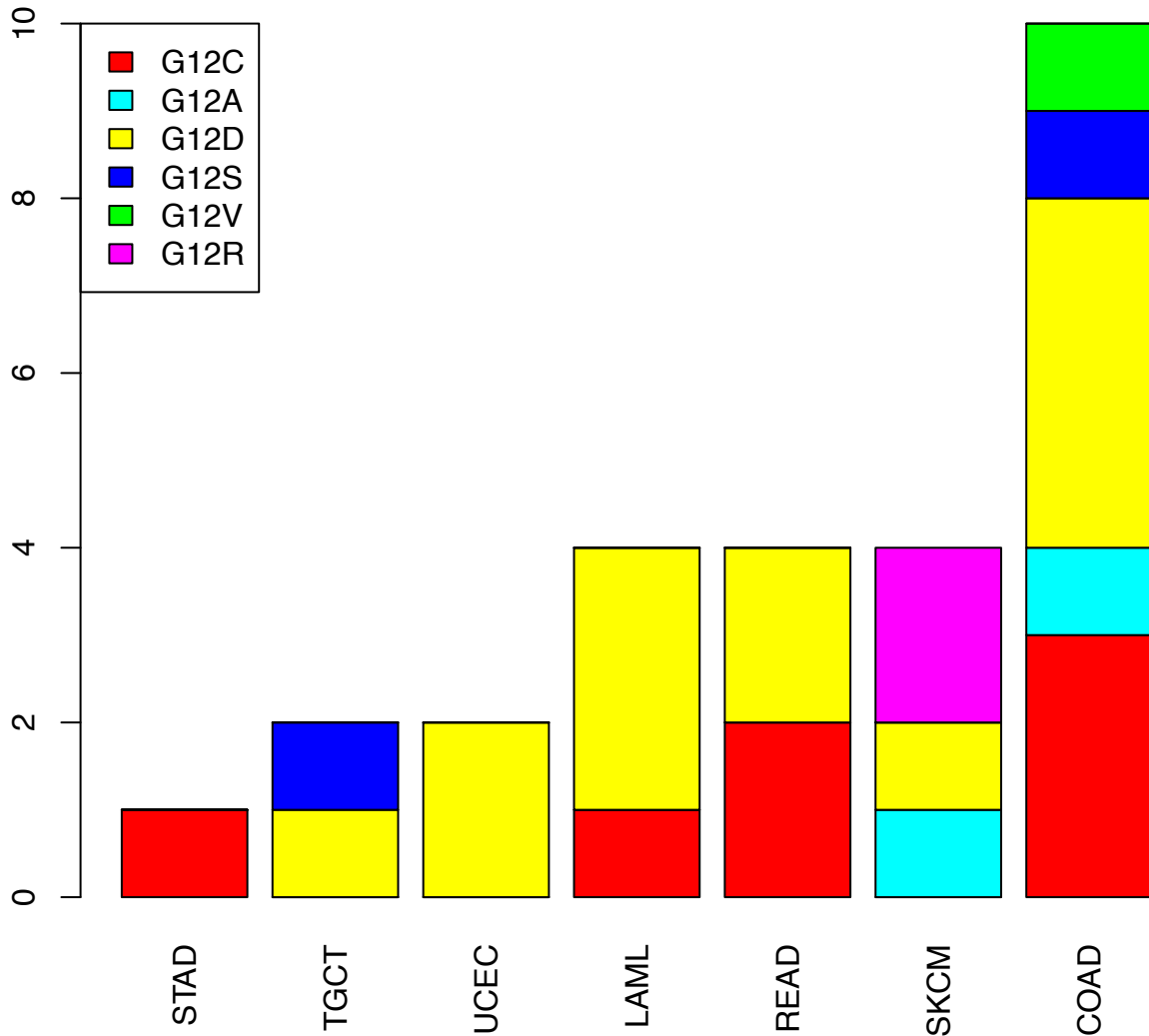
Mutated allele breakdown for NRAS **Q61** mutations

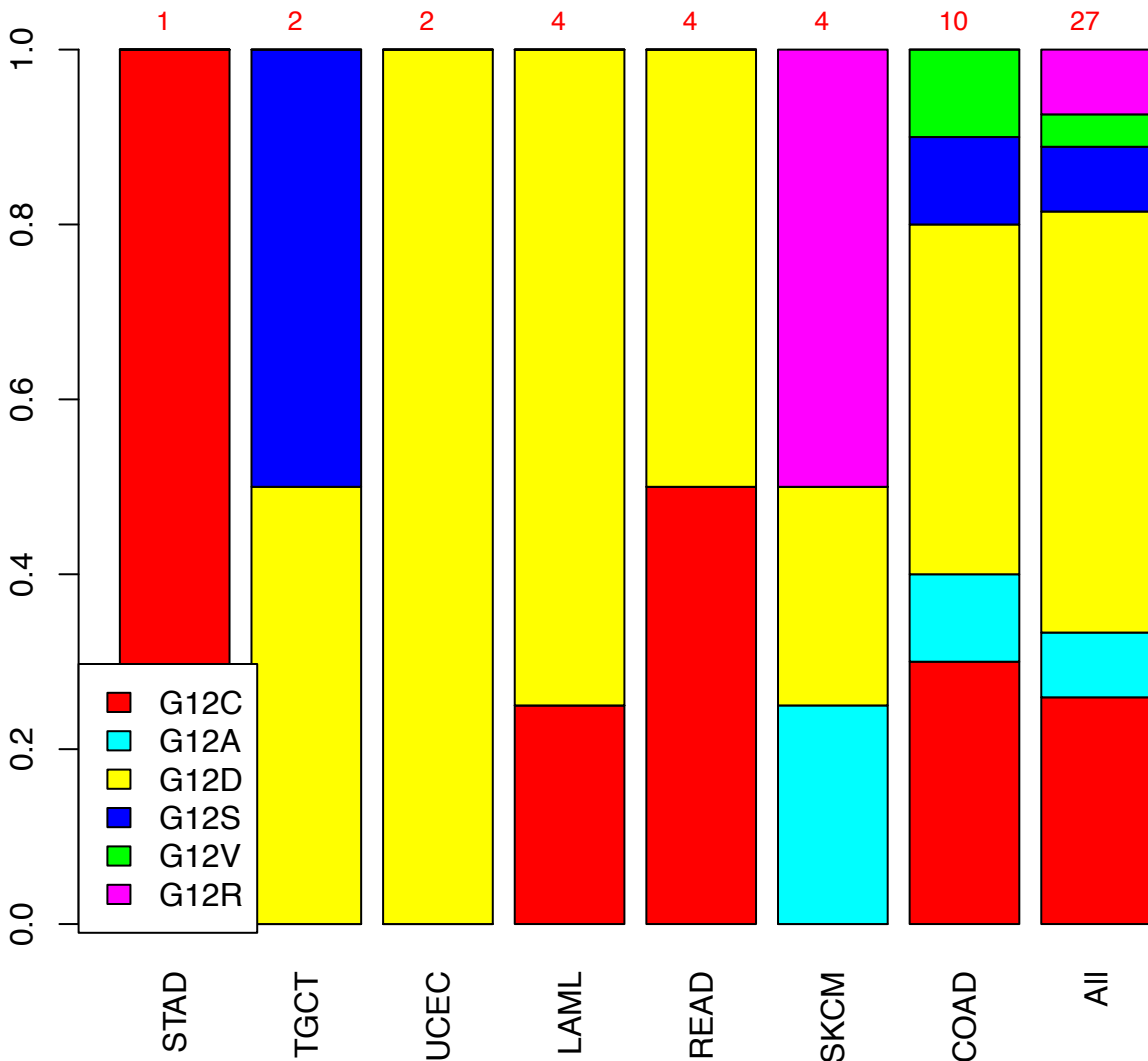Proportional view of allele breakdown of NRAS **Q61** mutations

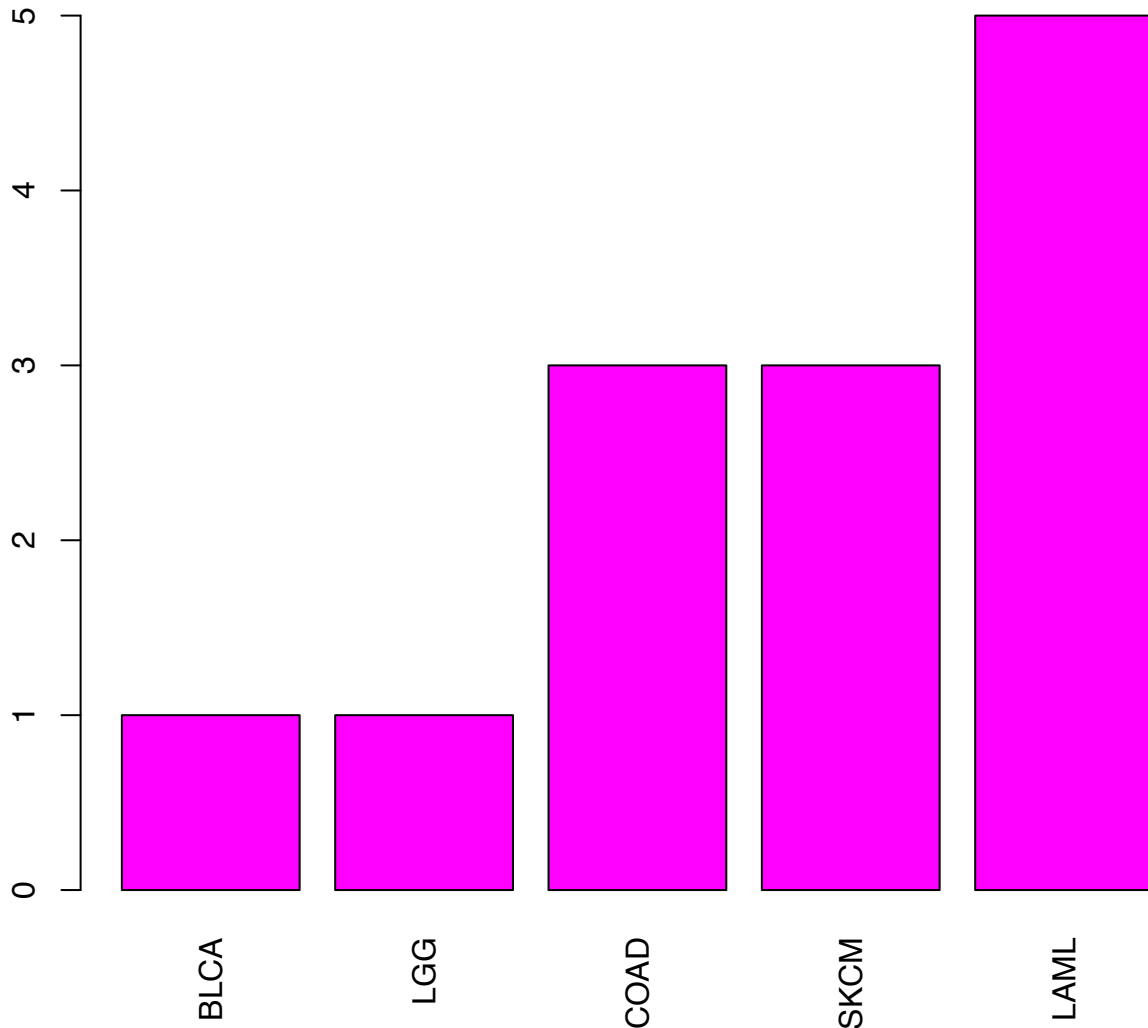Total number of NRAS **G12** mutations in different cancer types

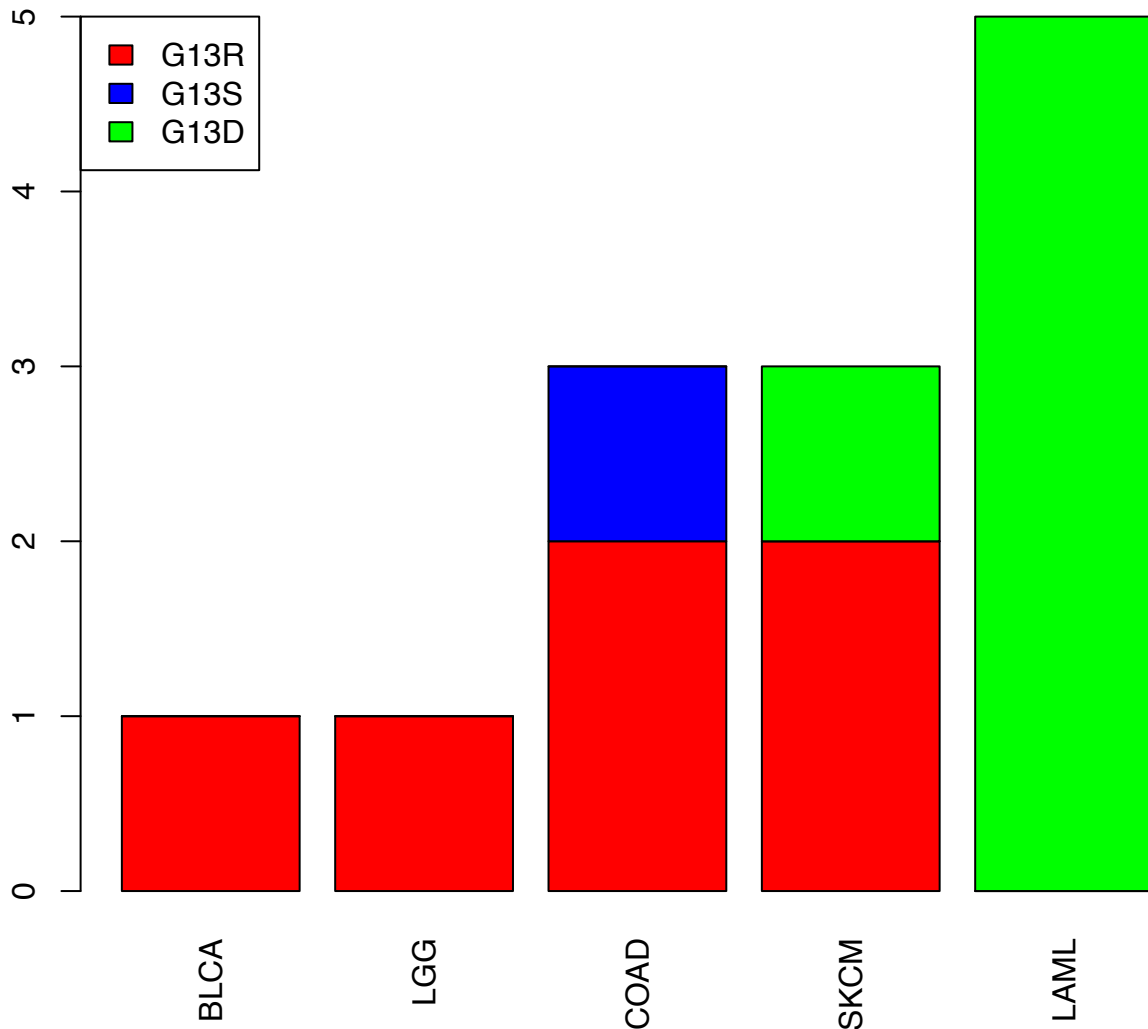Mutated allele breakdown for NRAS **G12** mutations

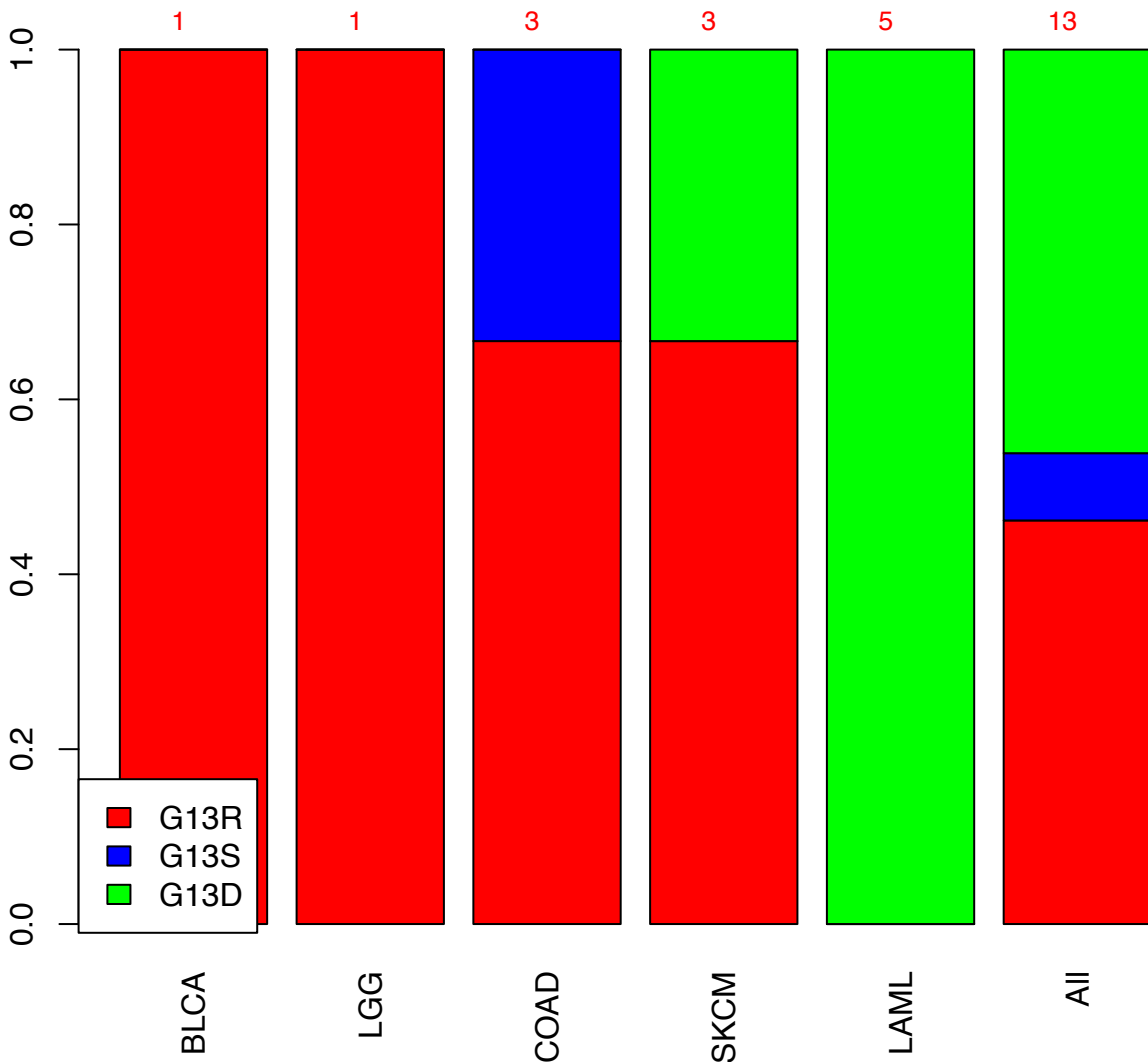Proportional view of allele breakdown of NRAS **G12** mutations

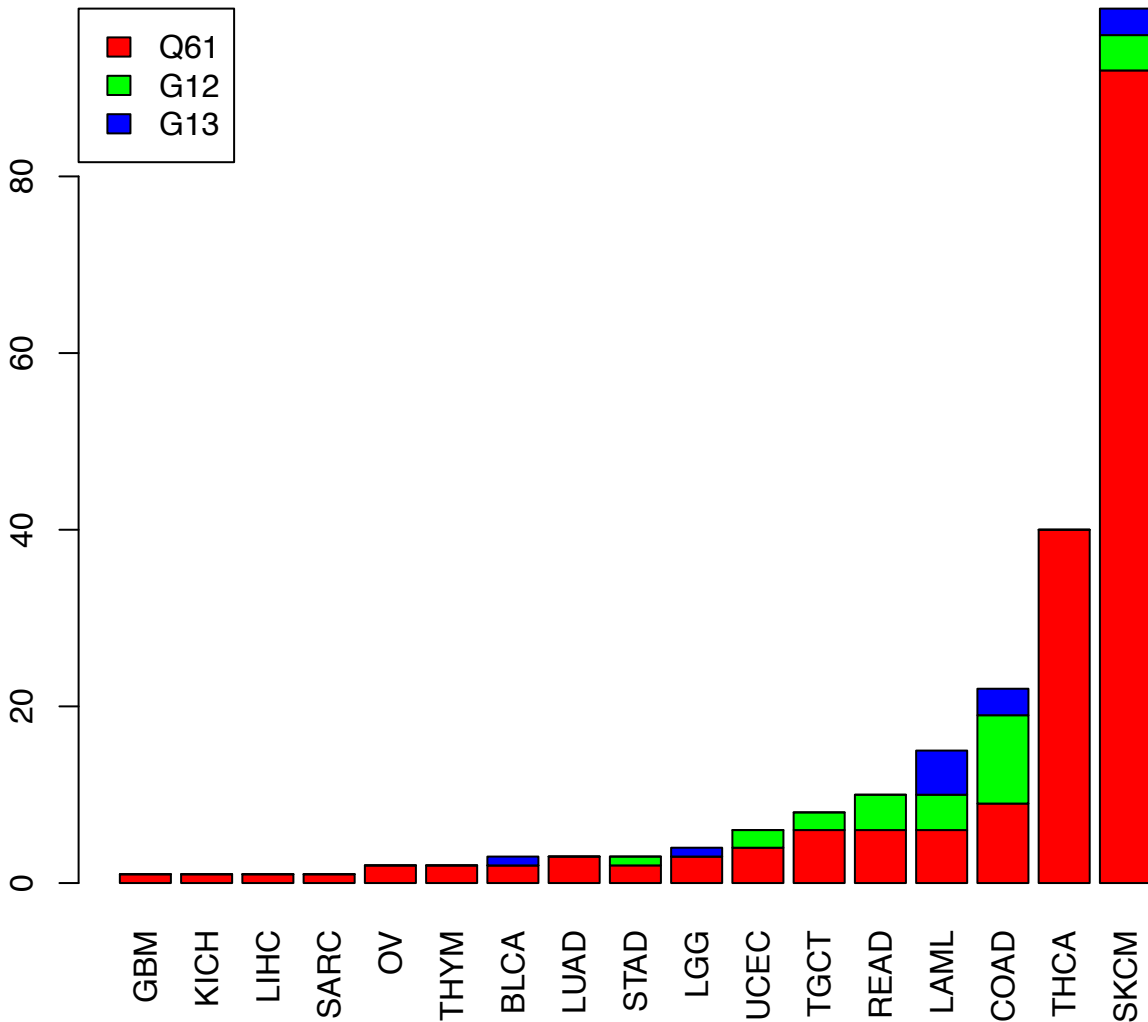Total number of NRAS **G13** mutations in different cancer types

Mutated allele breakdown for NRAS **G13** mutations

Proportional view of allele breakdown of NRAS **G13** mutations

Positional breakdown of NRAS **mutations** across cancer types

Legend:
- Q61 (red)
- G12 (green)
- G13 (blue)

Proportional **position** breakdown of NRAS **mutations**