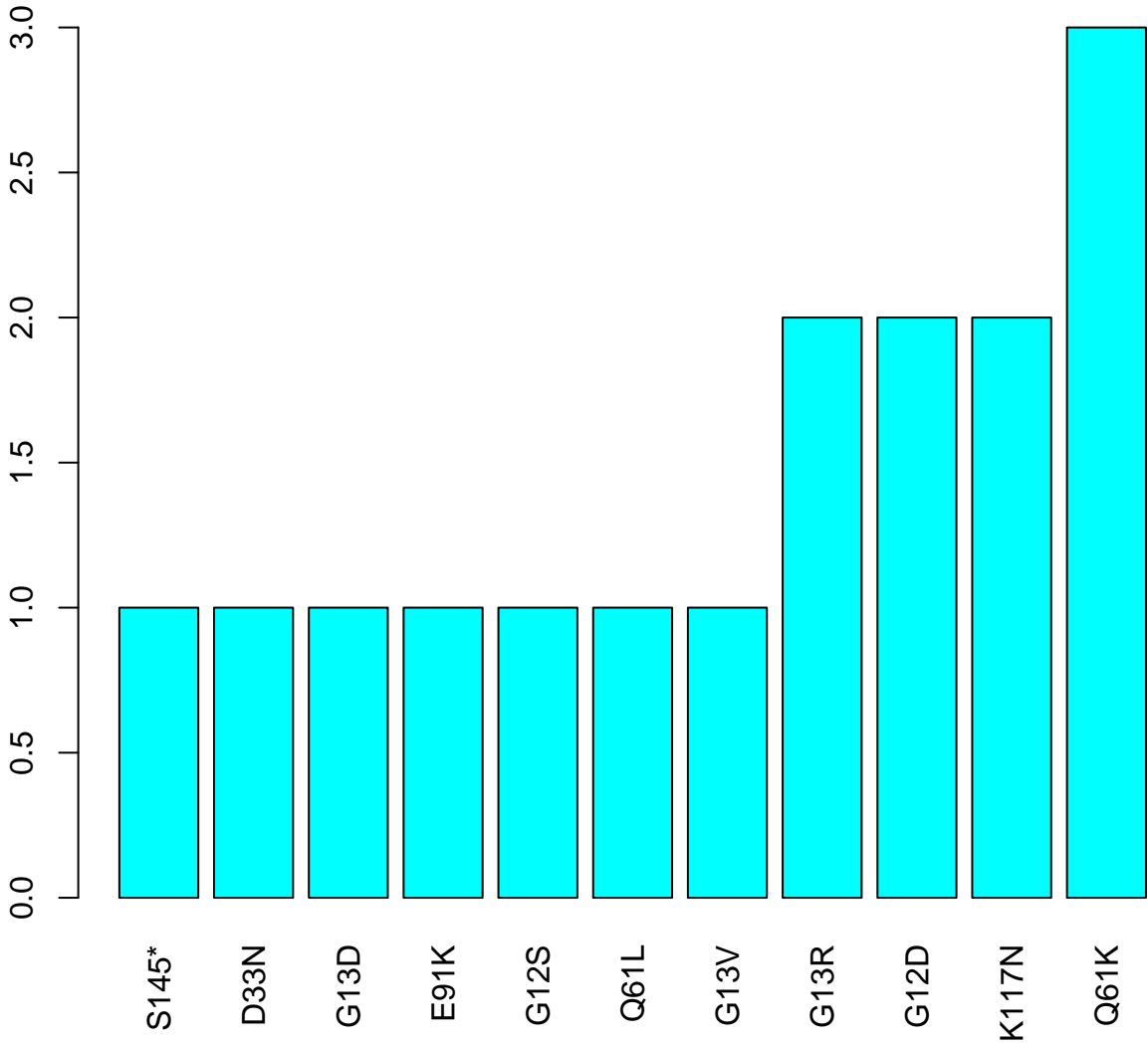


## Table of TCGA Cancer Codes

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

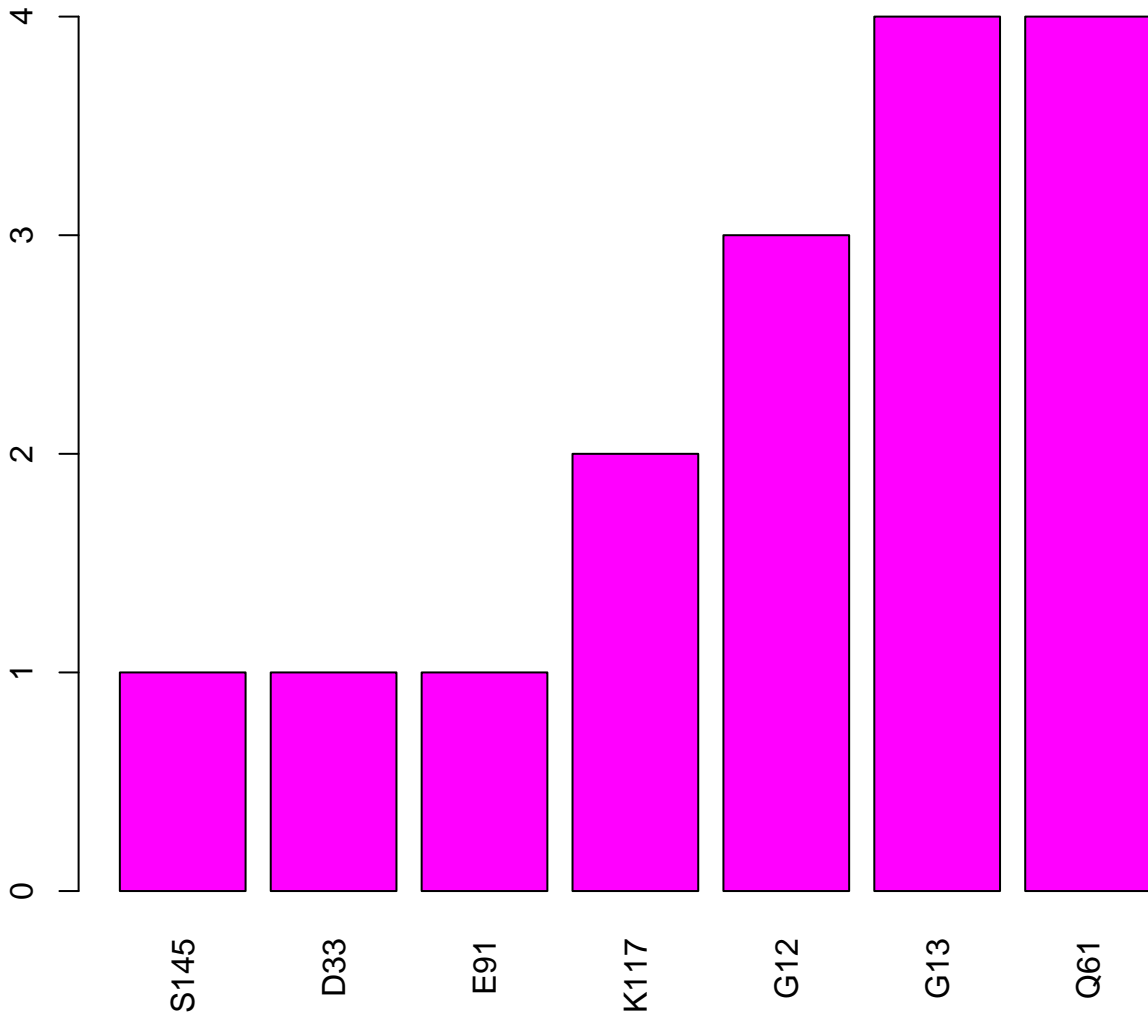
\*Number of samples with mutation data

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



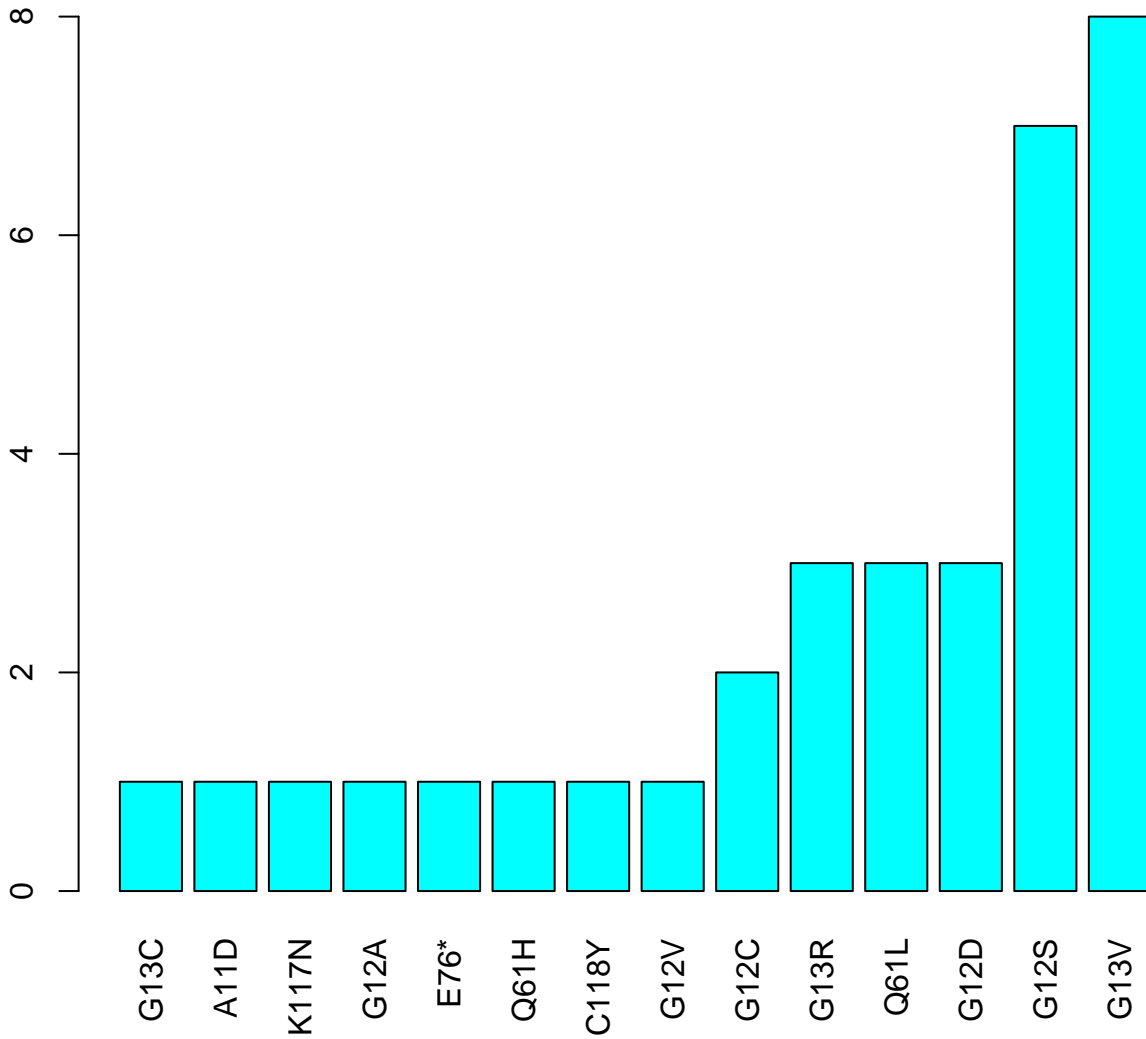
NbrSamples=396 Mutant Samples=16 Total Mutations=16

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



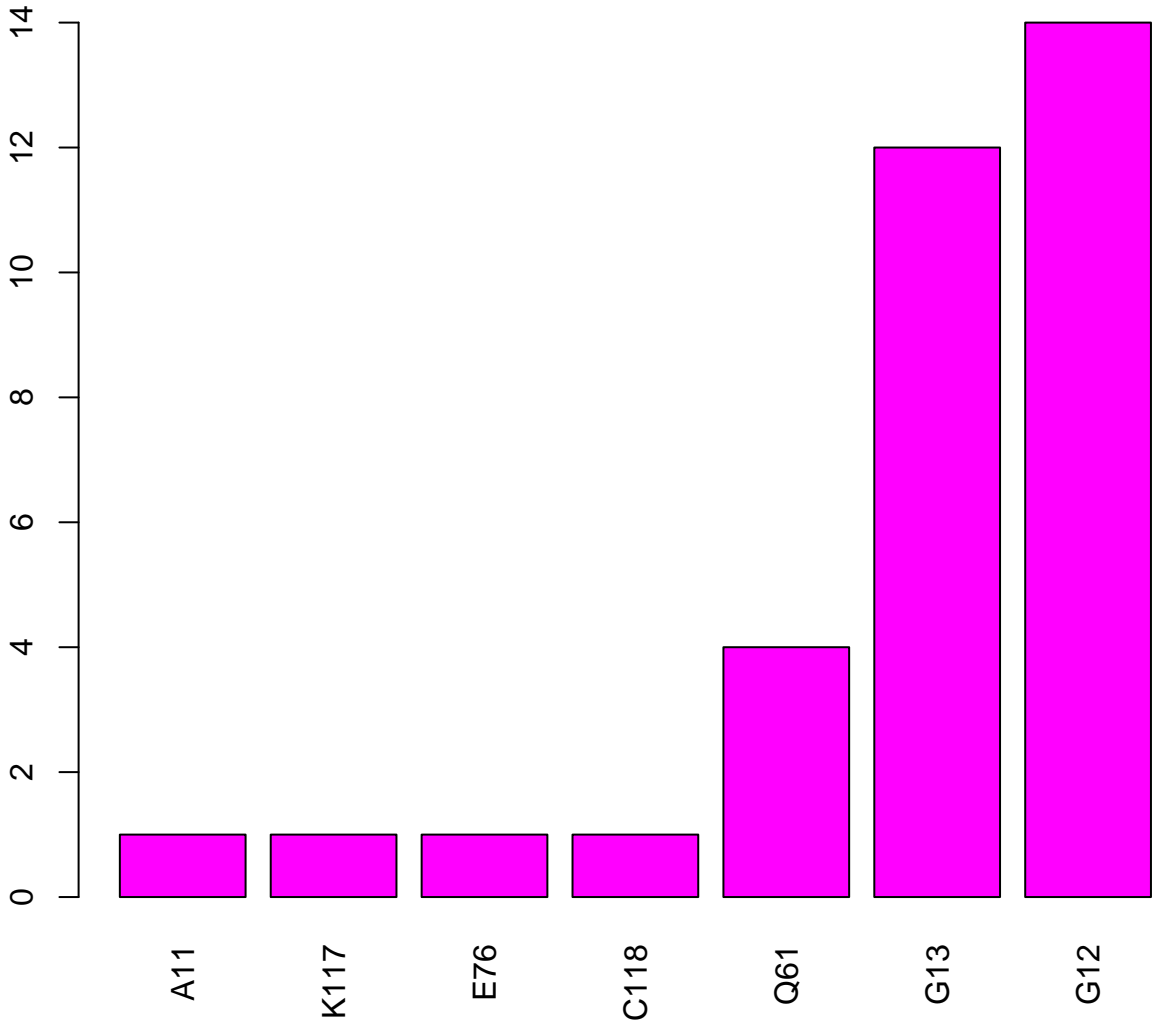
NbrSamples=396 Mutant Samples=16 Total Mutations=16

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



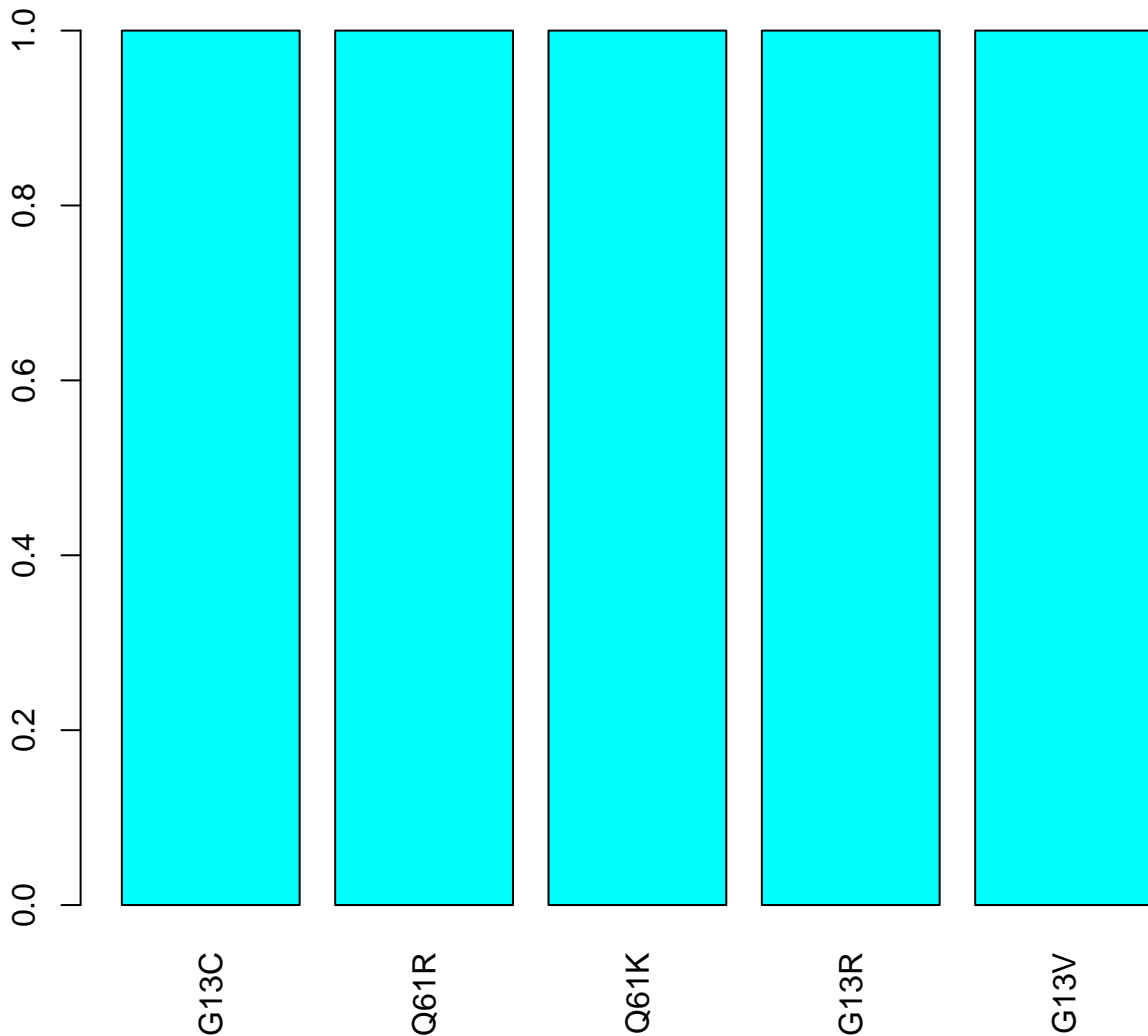
NbrSamples=513 Mutant Samples=31 Total Mutations=34

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



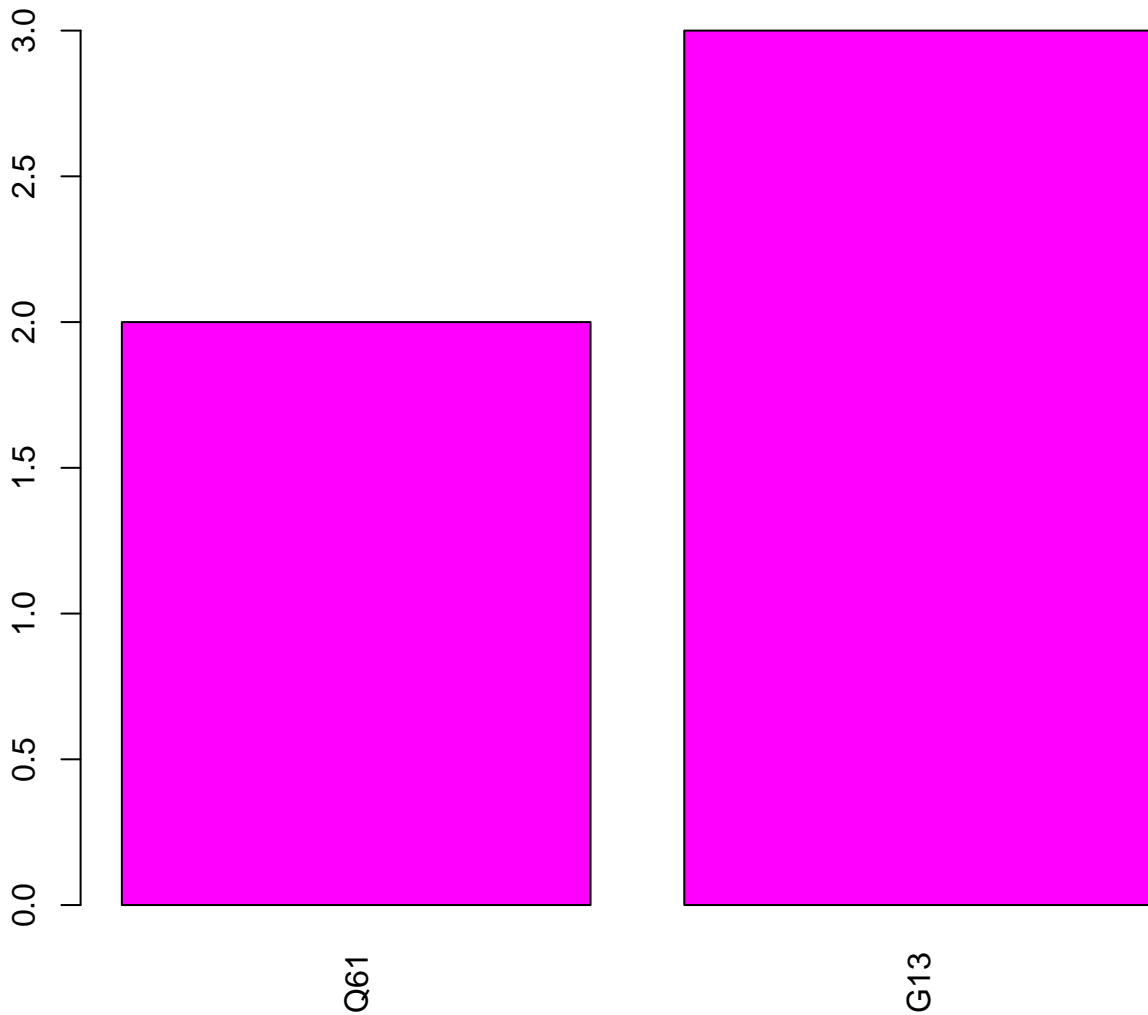
NbrSamples=513 Mutant Samples=31 Total Mutations=34

HRAS mutant **alleles** in lung **squamous** cell carcinoma (N=178)



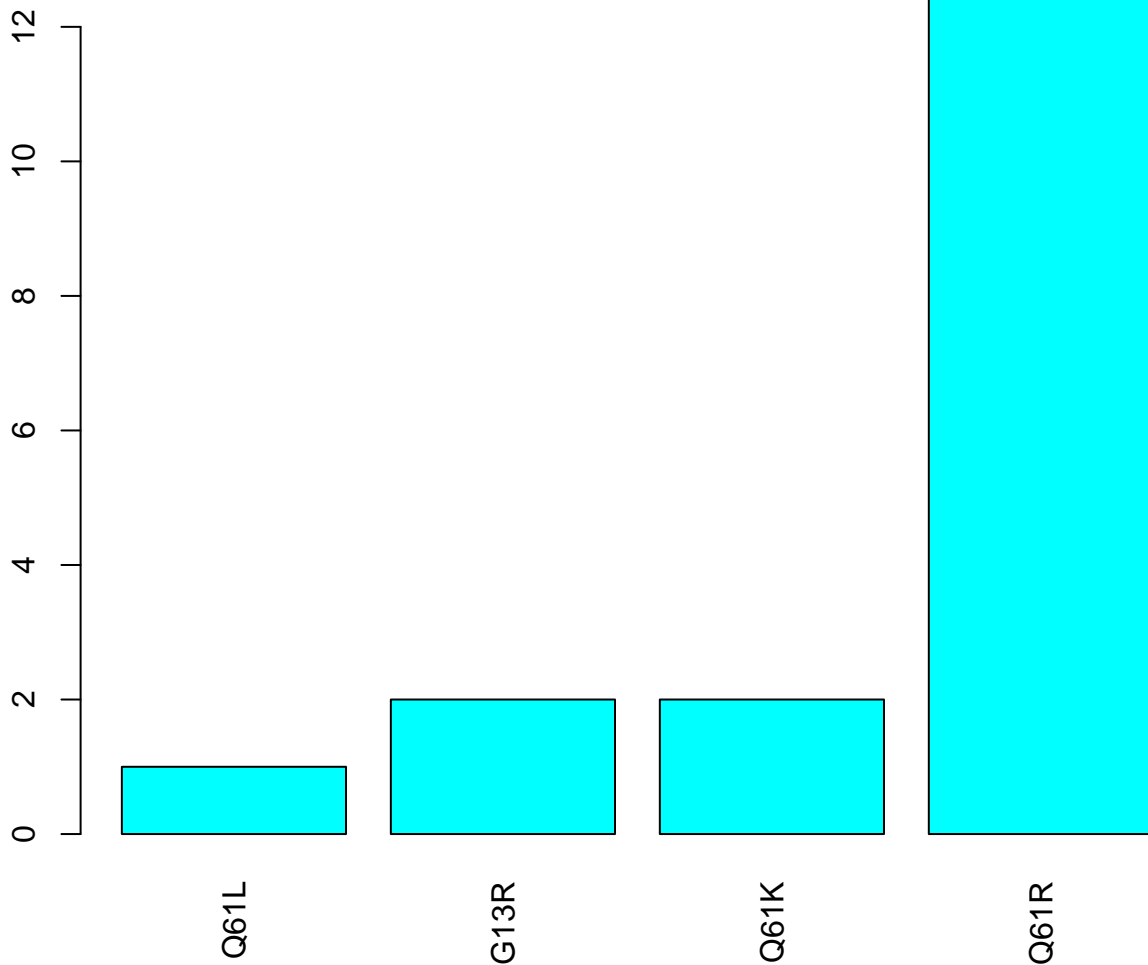
NbrSamples=178 Mutant Samples=5 Total Mutations=5

HRAS mutant **positions** in lung **squamous** cell carcinoma (N=178)



NbrSamples=178 Mutant Samples=5 Total Mutations=5

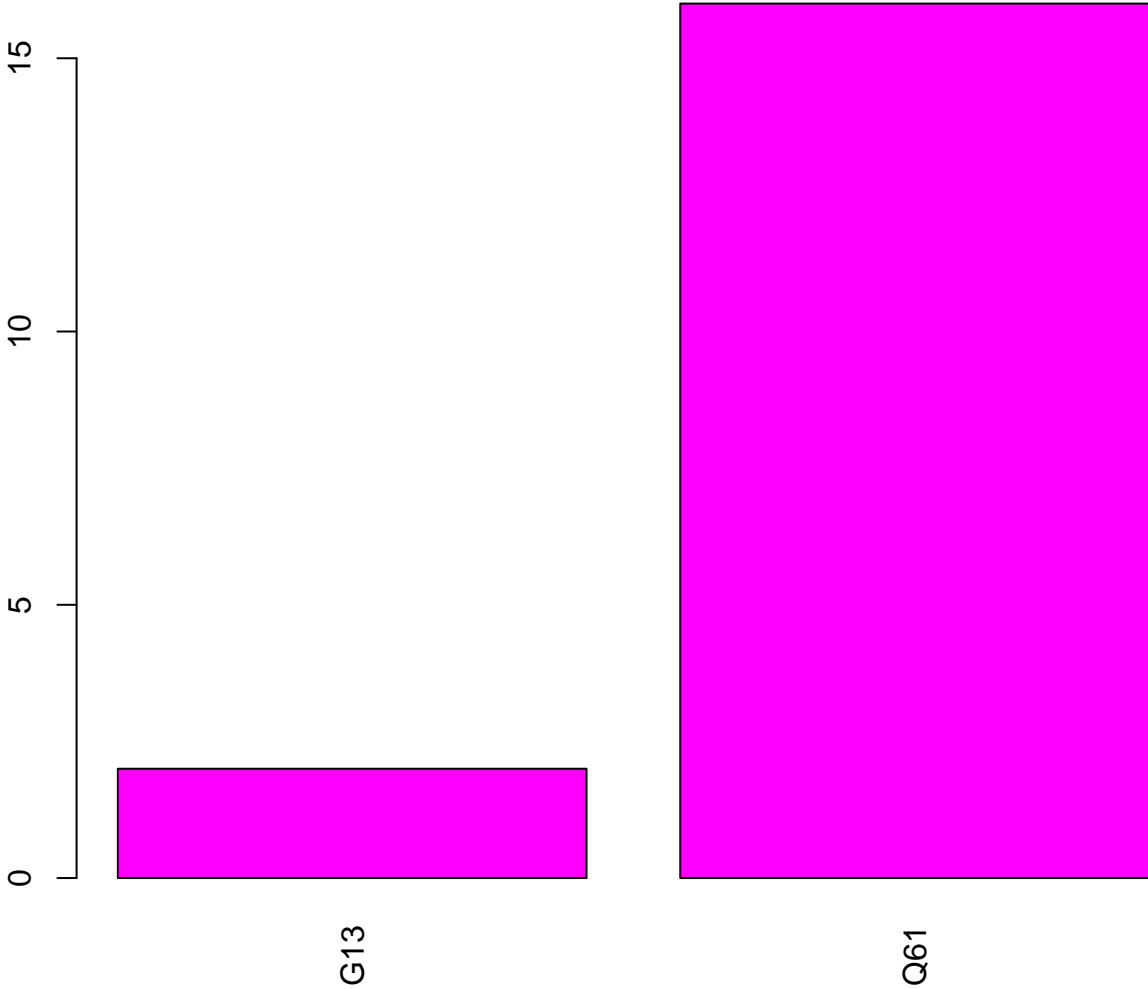
HRAS mutant **alleles** in **pheochromocytoma** and paraganglioma (N=184)



NbrSamples=184 Mutant Samples=18 Total Mutations=18

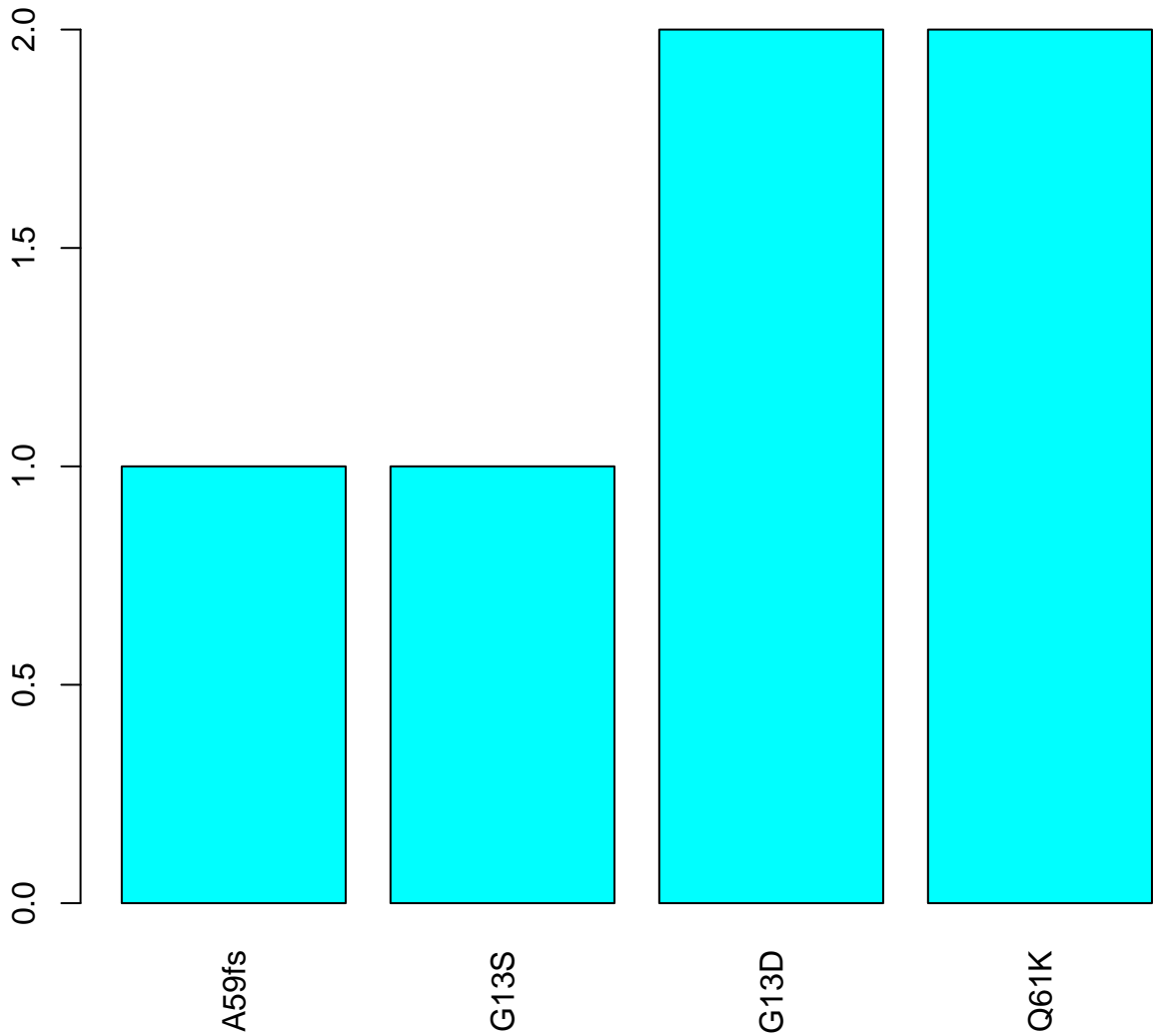


HRAS mutant **positions** in **pheochromocytoma** and paraganglioma (N=184)



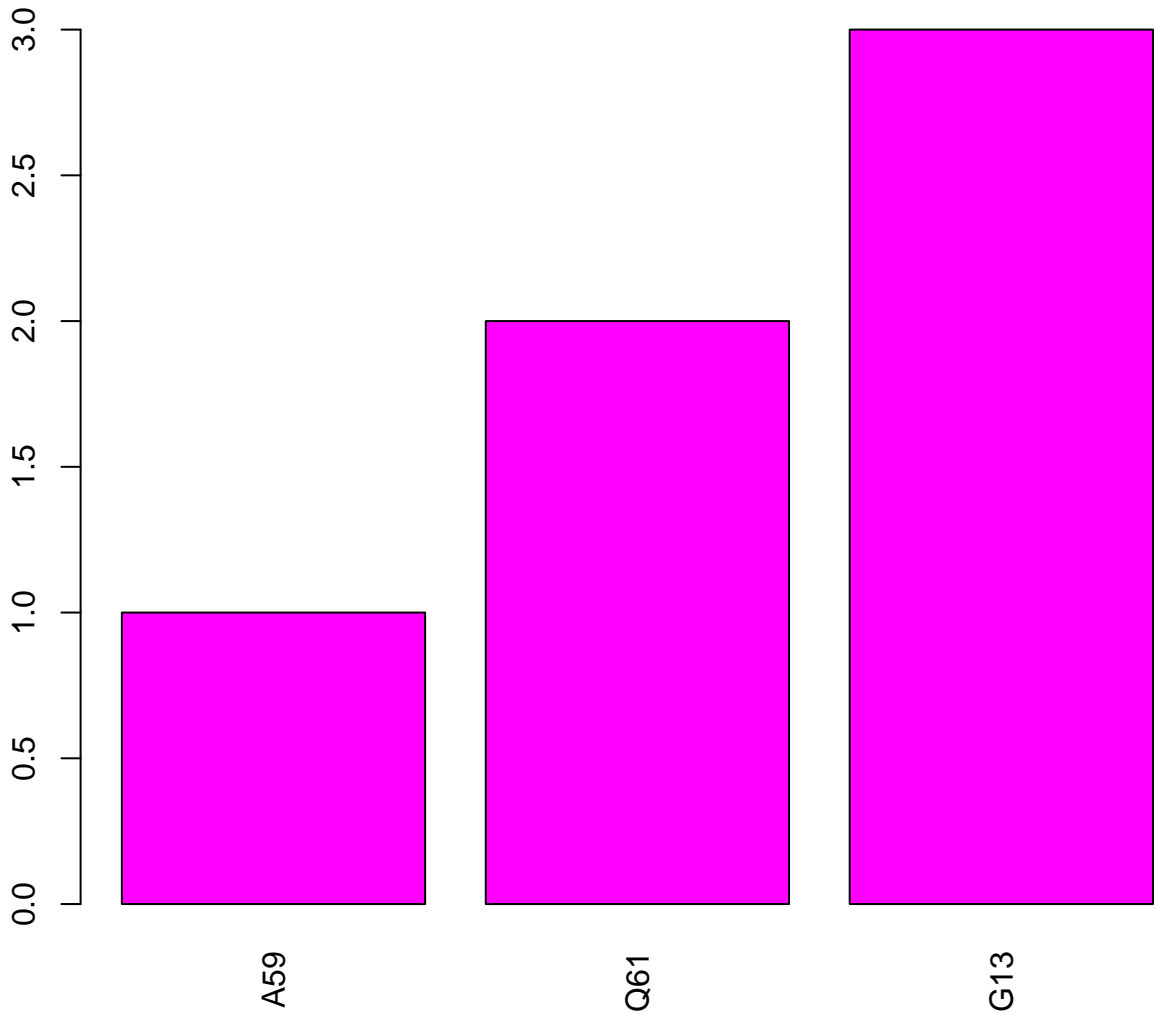
NbrSamples=184 Mutant Samples=18 Total Mutations=18

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



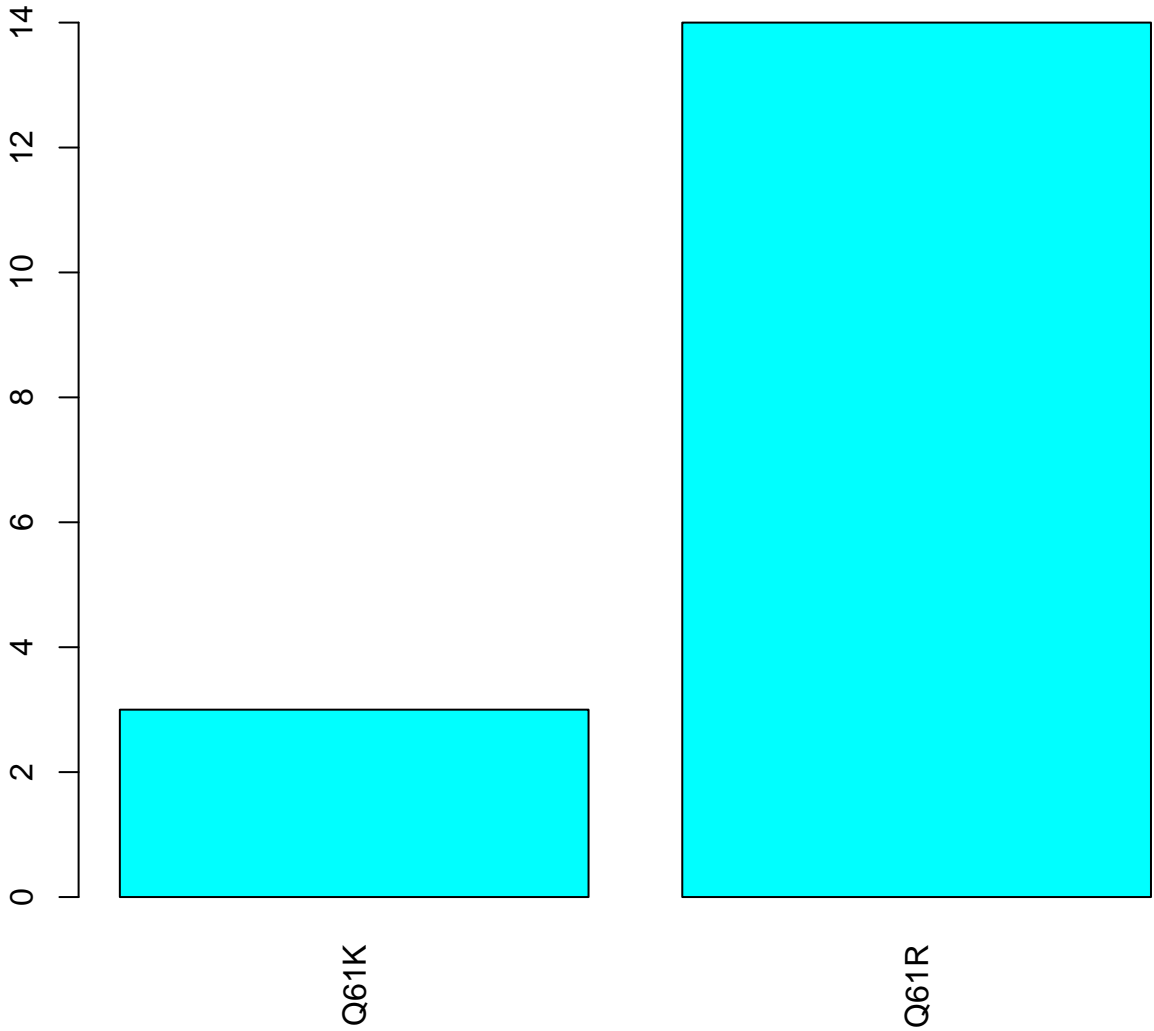
NbrSamples=371 Mutant Samples=5 Total Mutations=6

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



NbrSamples=371 Mutant Samples=5 Total Mutations=6

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



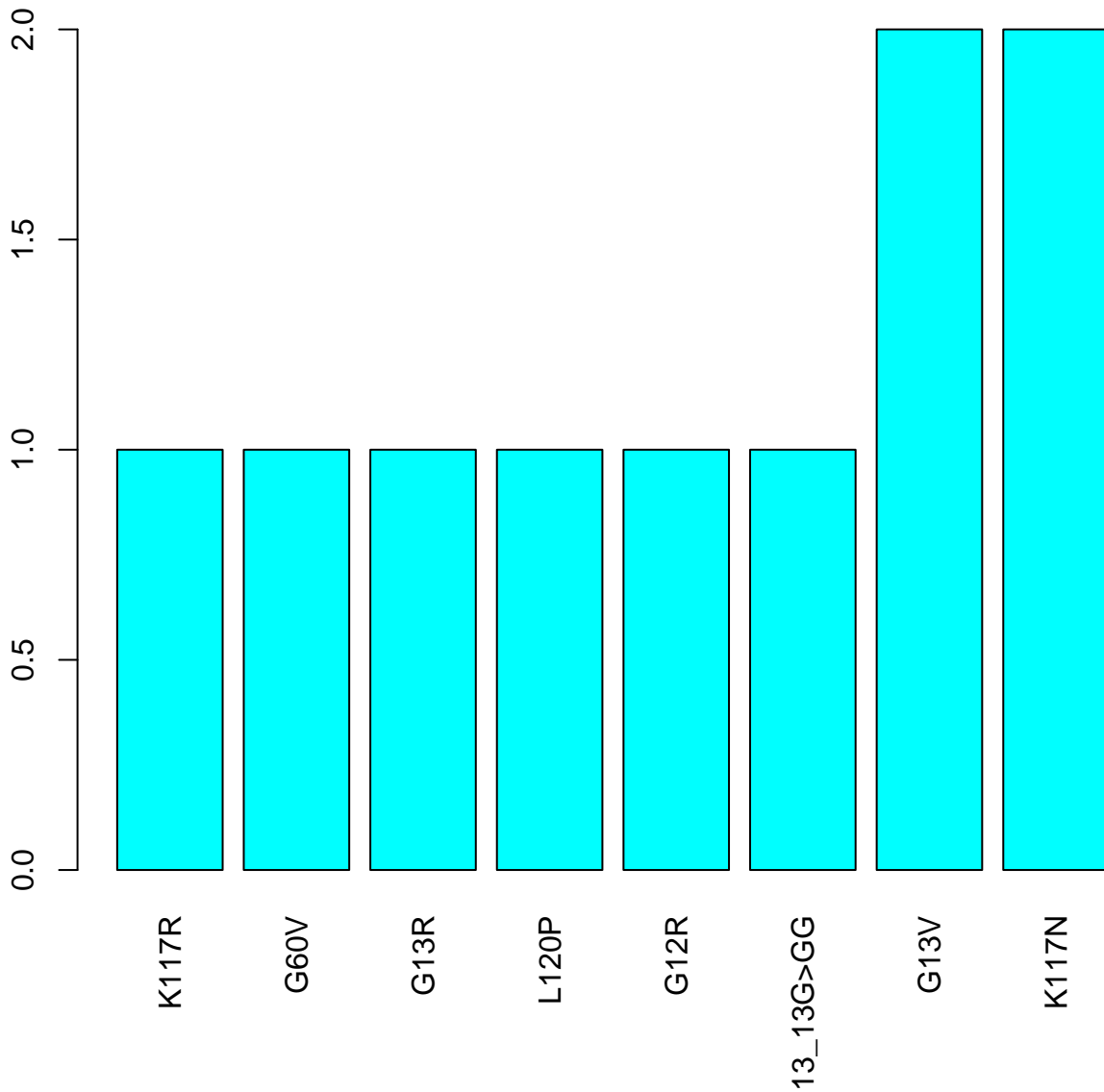
NbrSamples=504 Mutant Samples=17 Total Mutations=17

HRAS mutant **positions** in **thyroid** carcinoma (N=504)



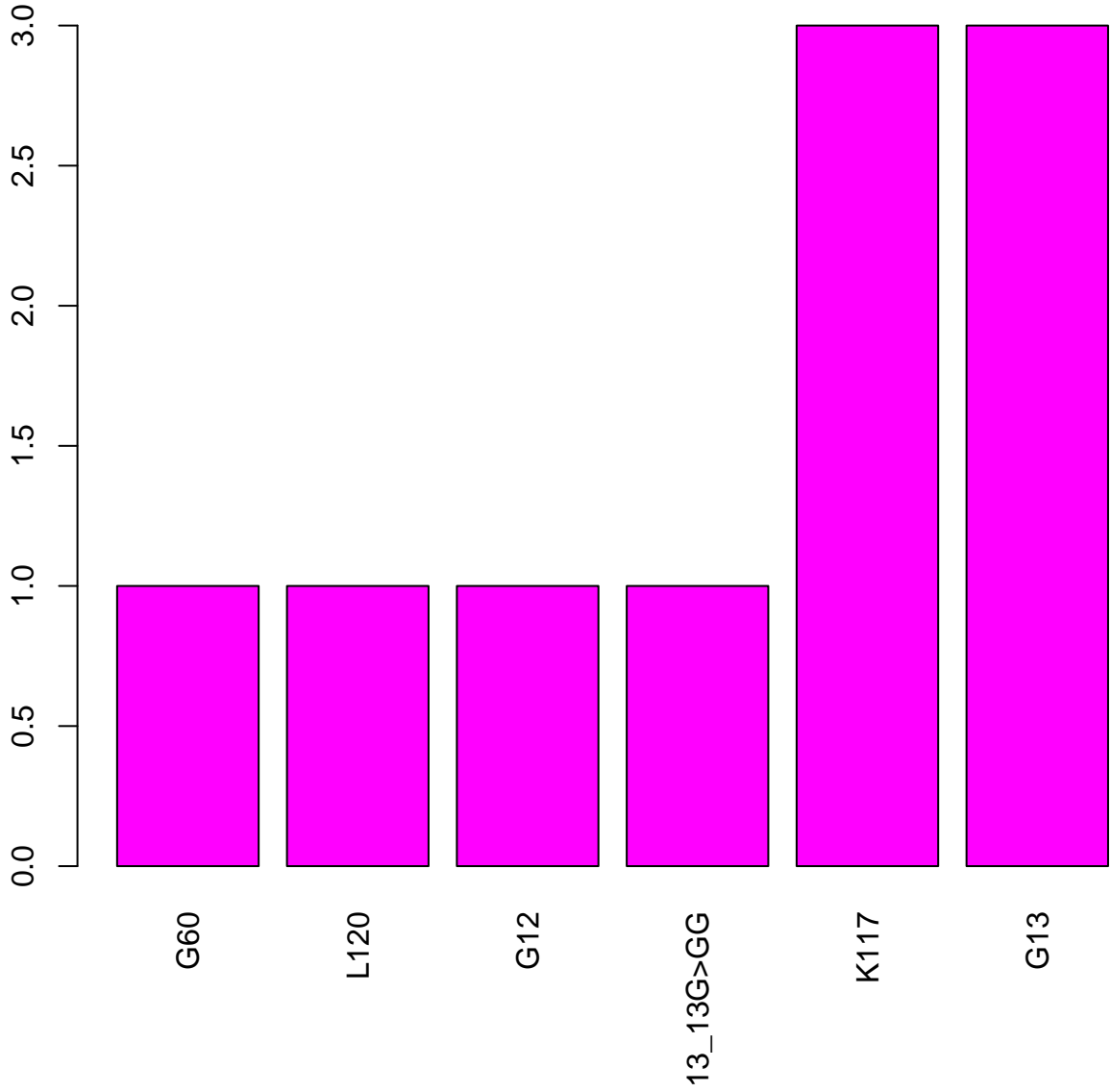
NbrSamples=504 Mutant Samples=17 Total Mutations=17

HRAS mutant **alleles** in **thymoma** (N=123)



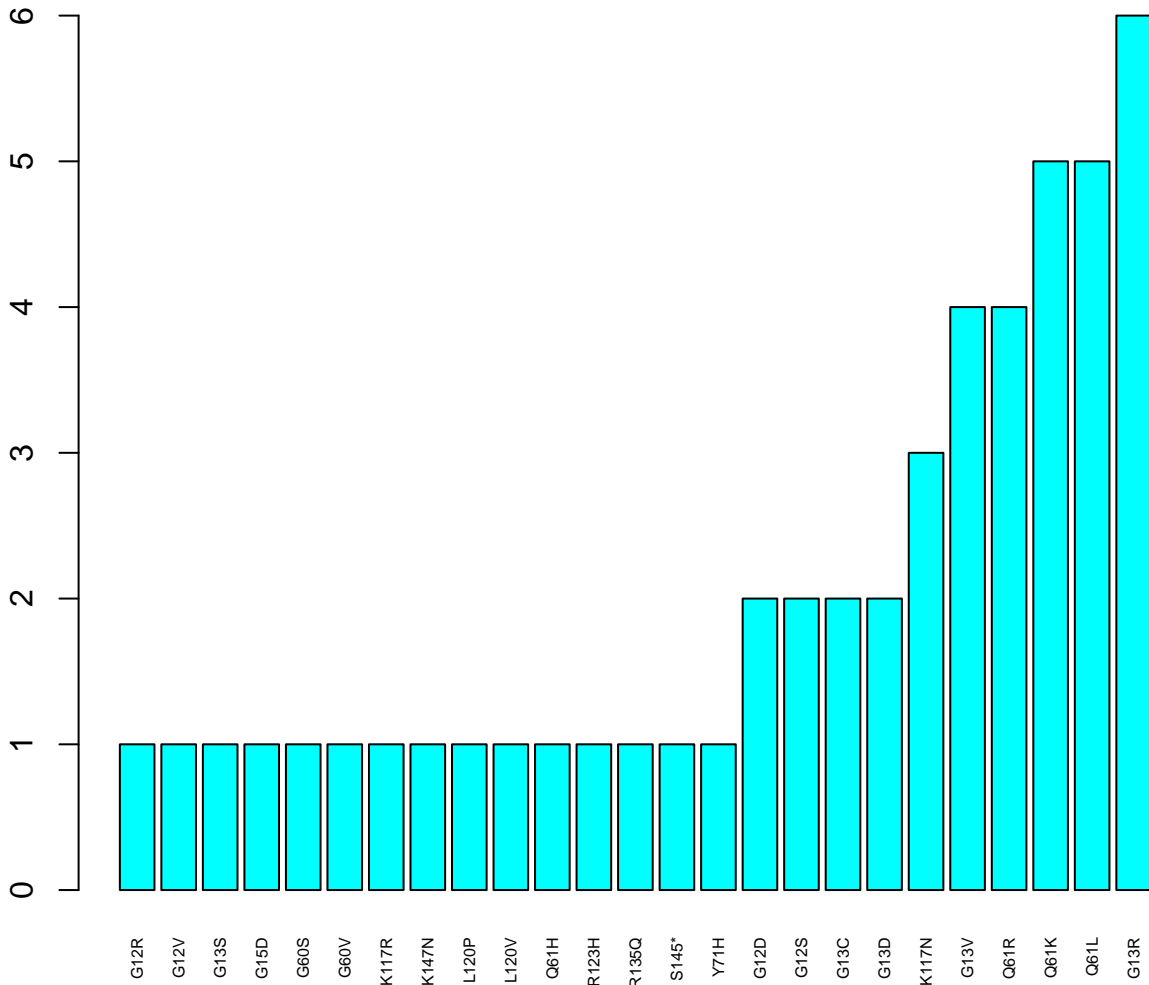
NbrSamples=123 Mutant Samples=10 Total Mutations=10

HRAS mutant positions in thymoma (N=123)



NbrSamples=123 Mutant Samples=10 Total Mutations=10

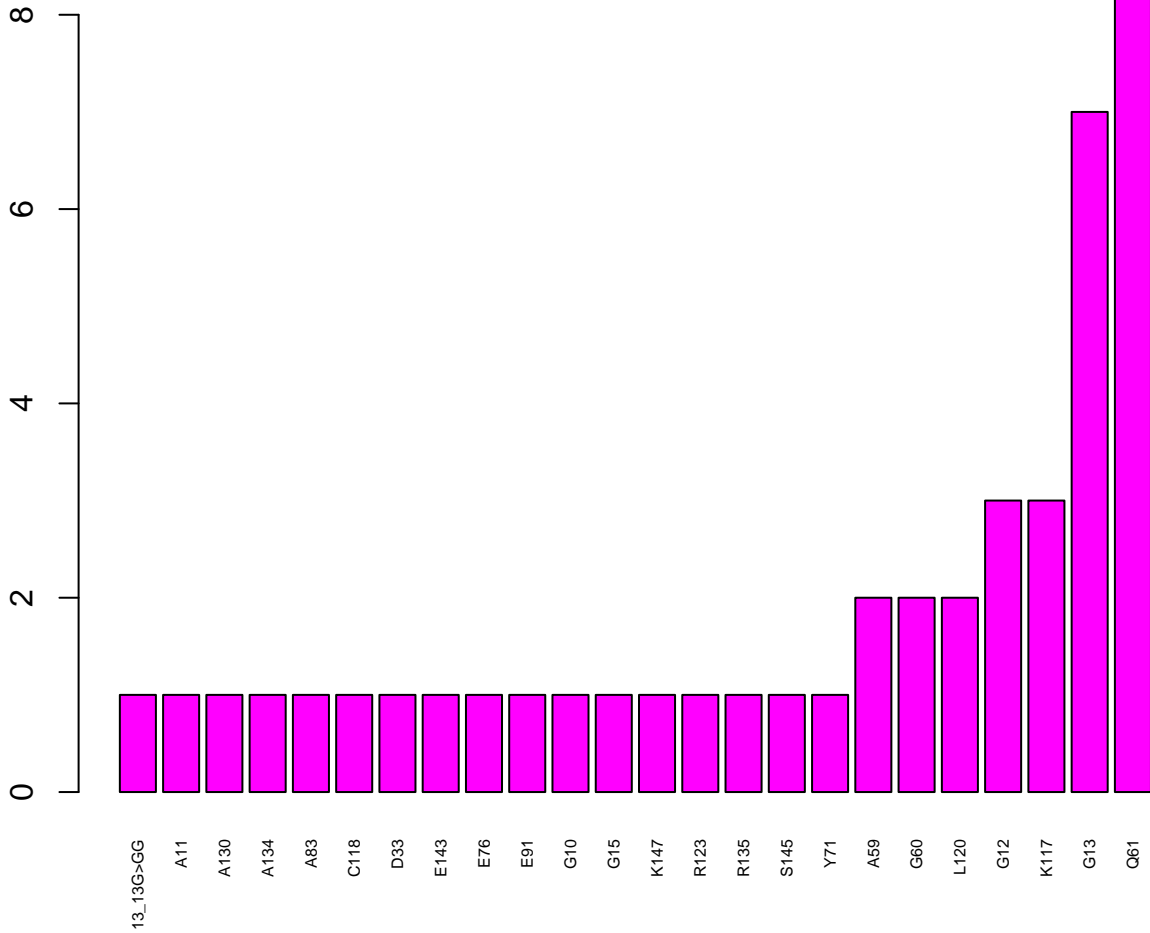
# Number of cancer types where each HRAS mutation occurs, top 25



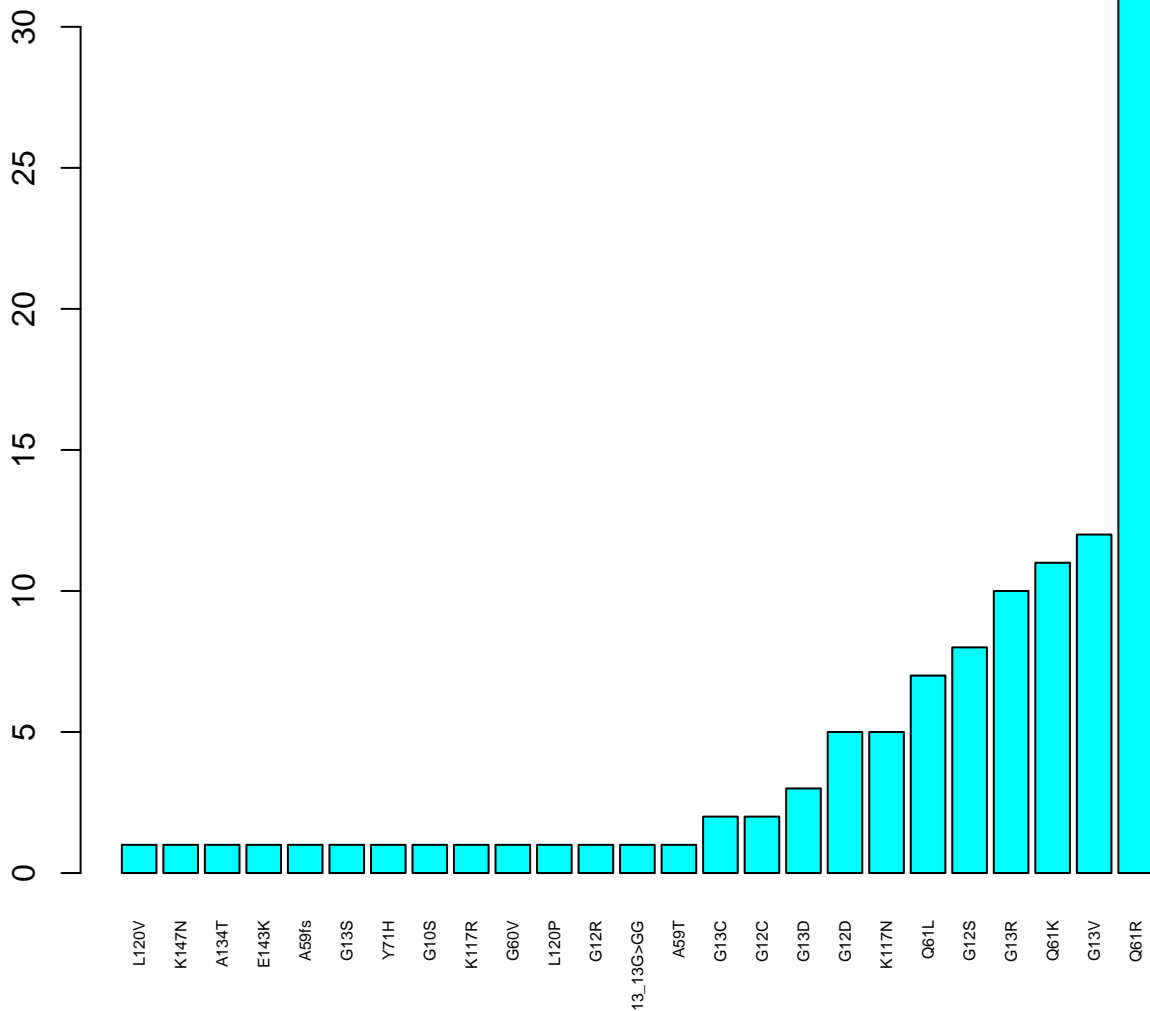
15 not shown



Number of cancer **types** where each HRAS mutation **position** occurs

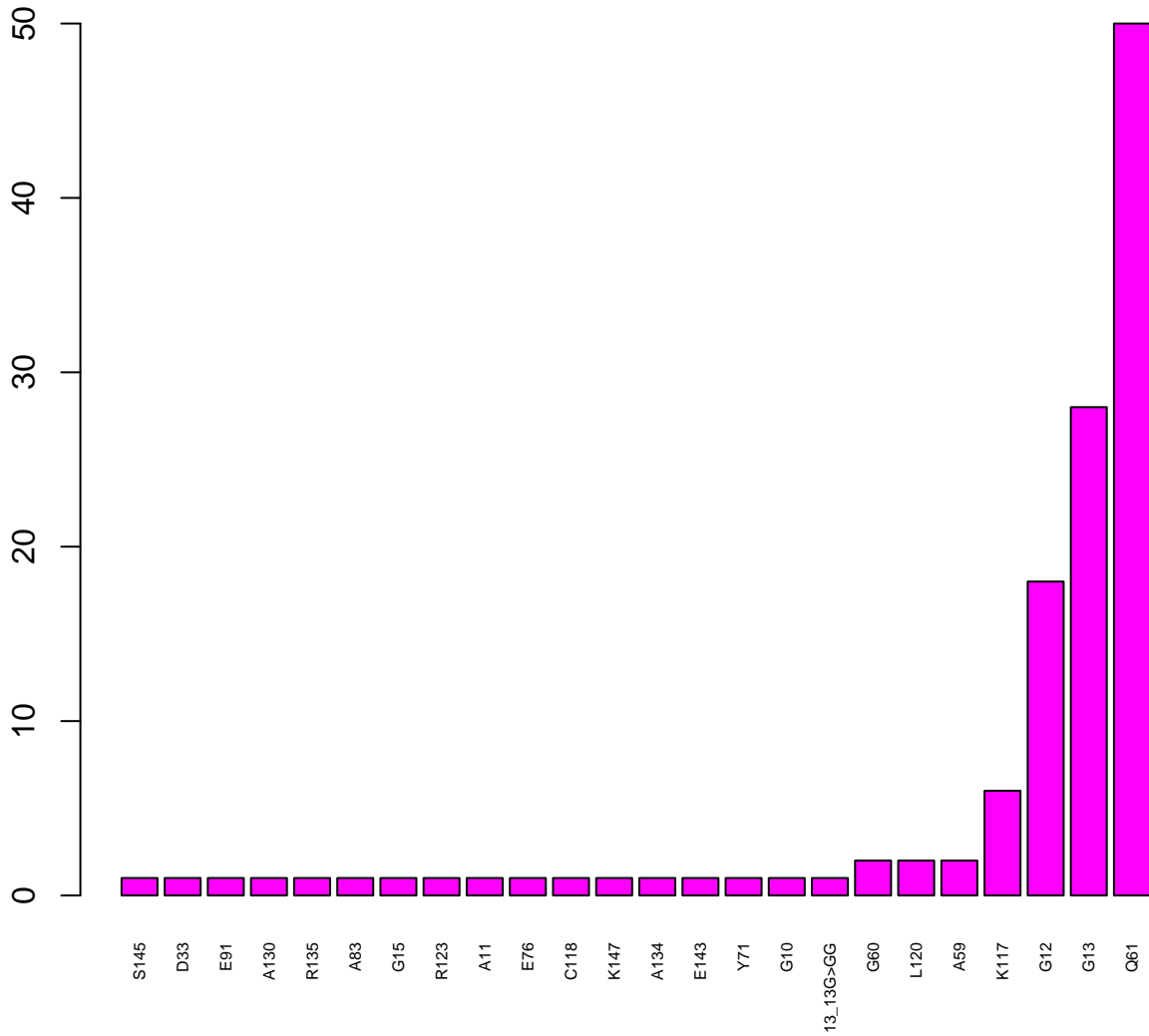


Number of **times** each HRAS **mutation** occurs across all cancer types, **top 25**

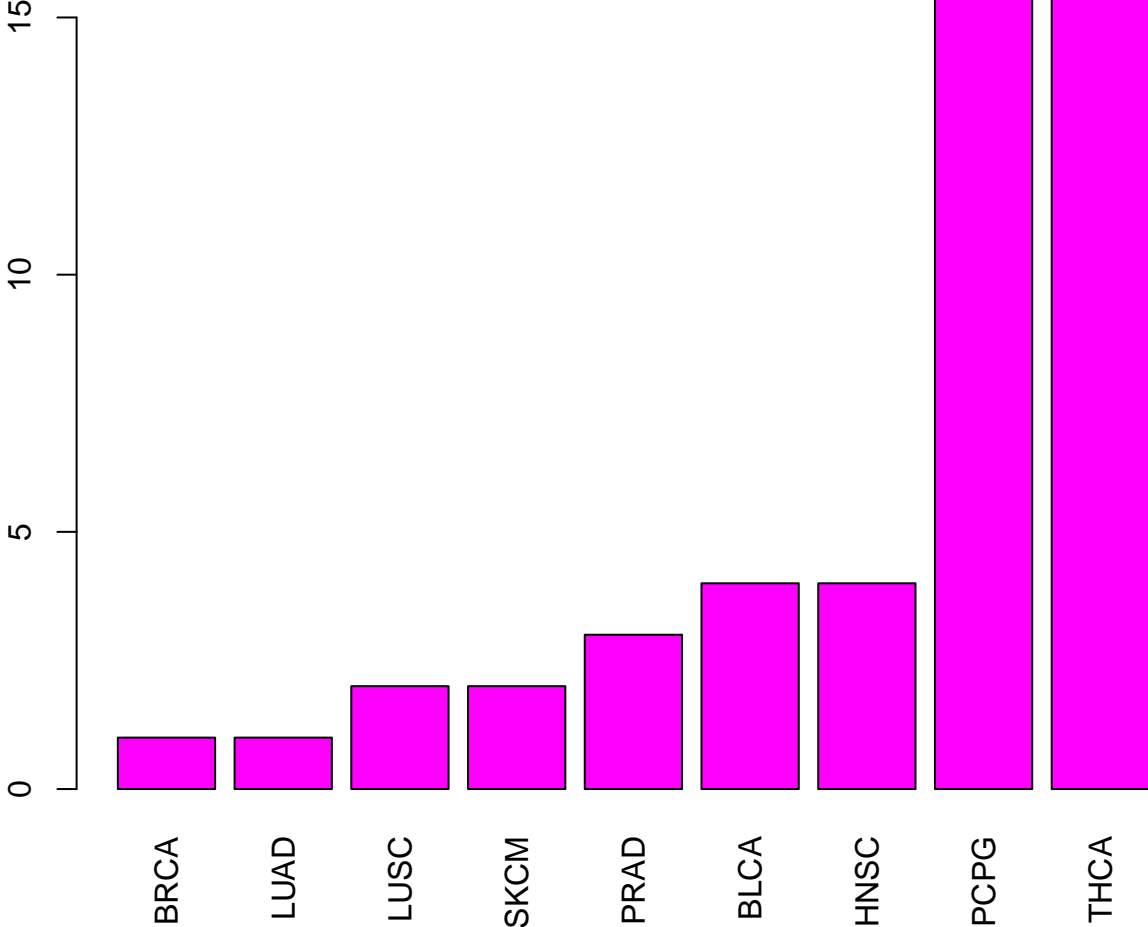


15 not shown

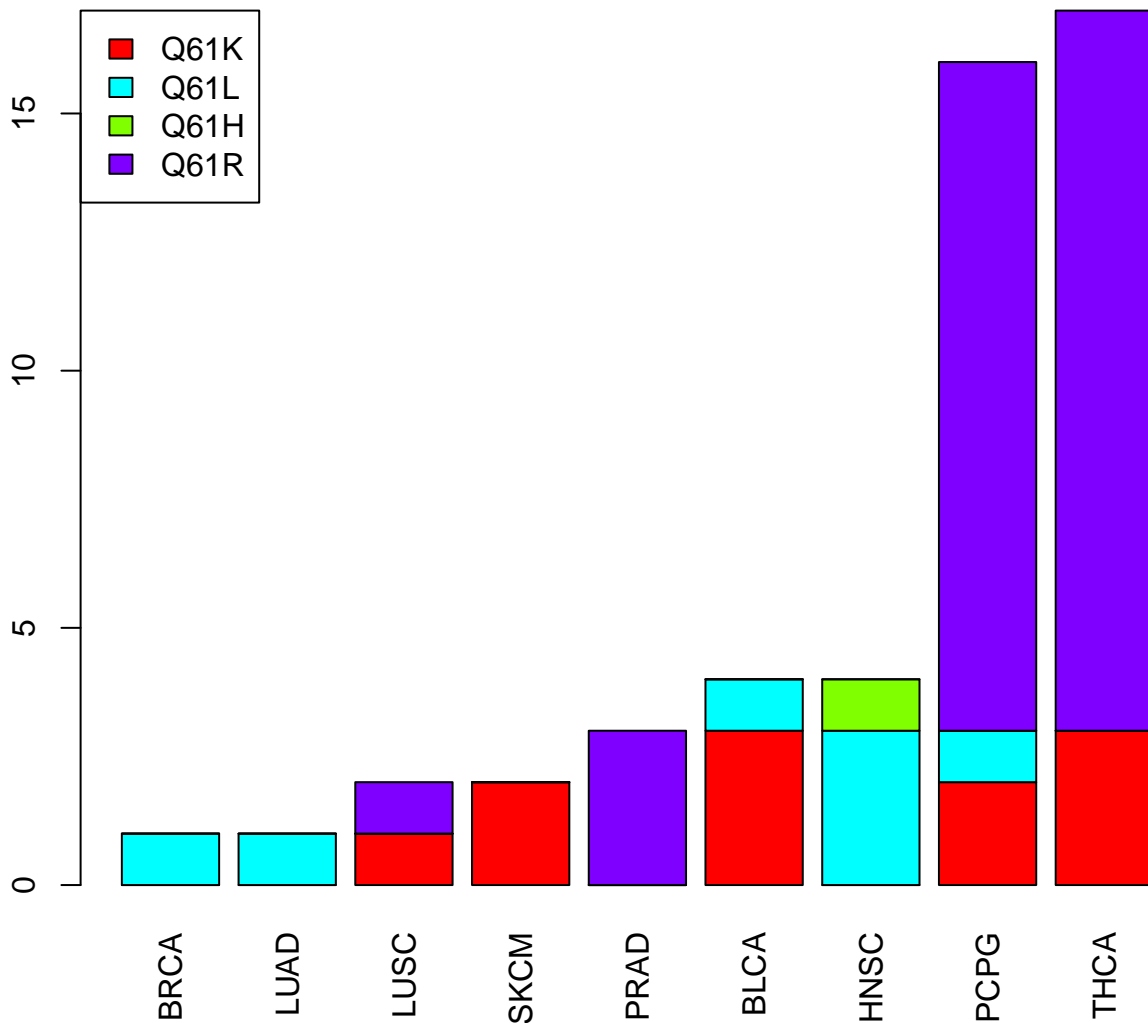
Number of **times** each HRAS mutation **position** occurs across all cancer types



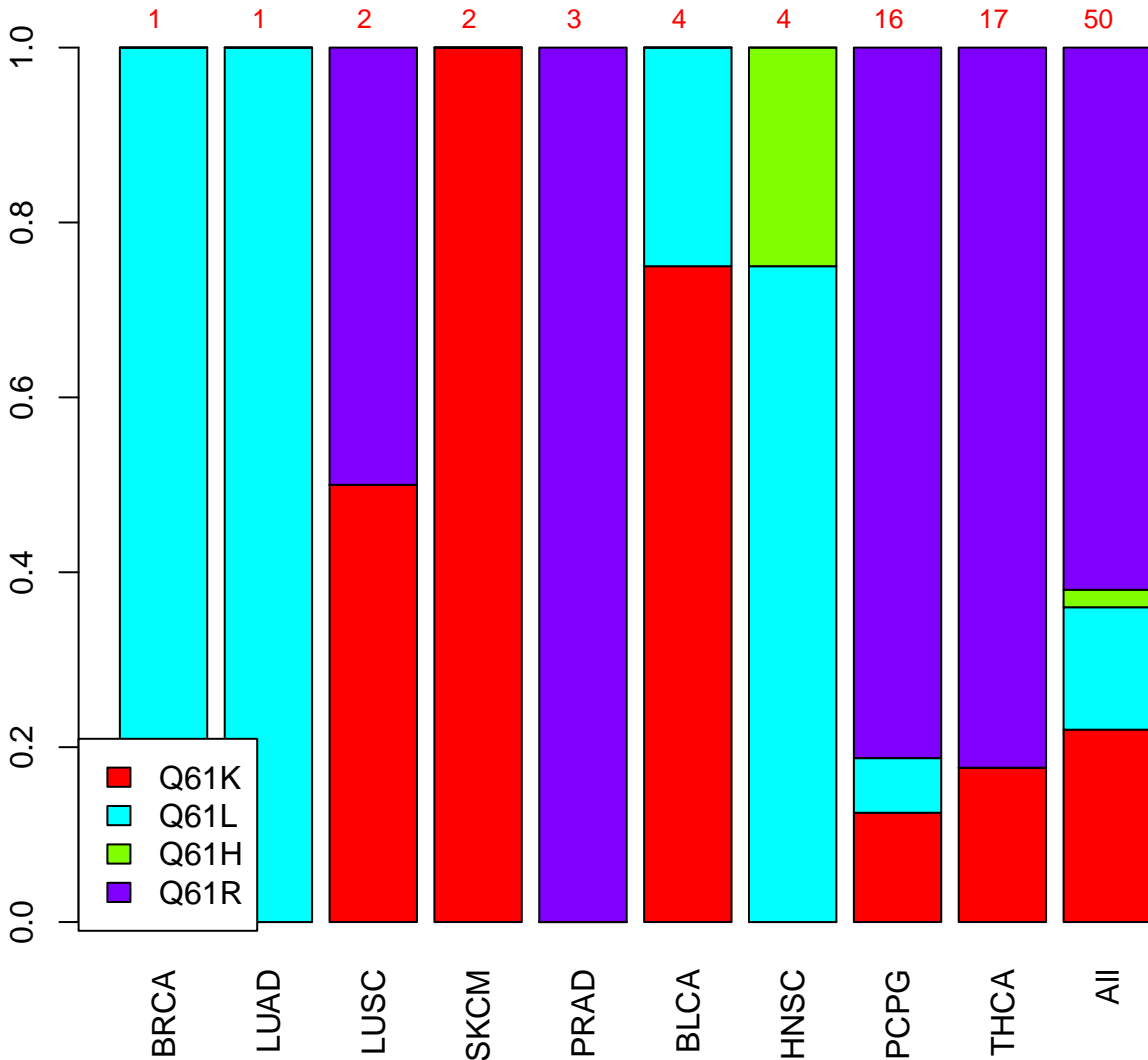
Total number of HRAS Q61 mutations in different cancer types



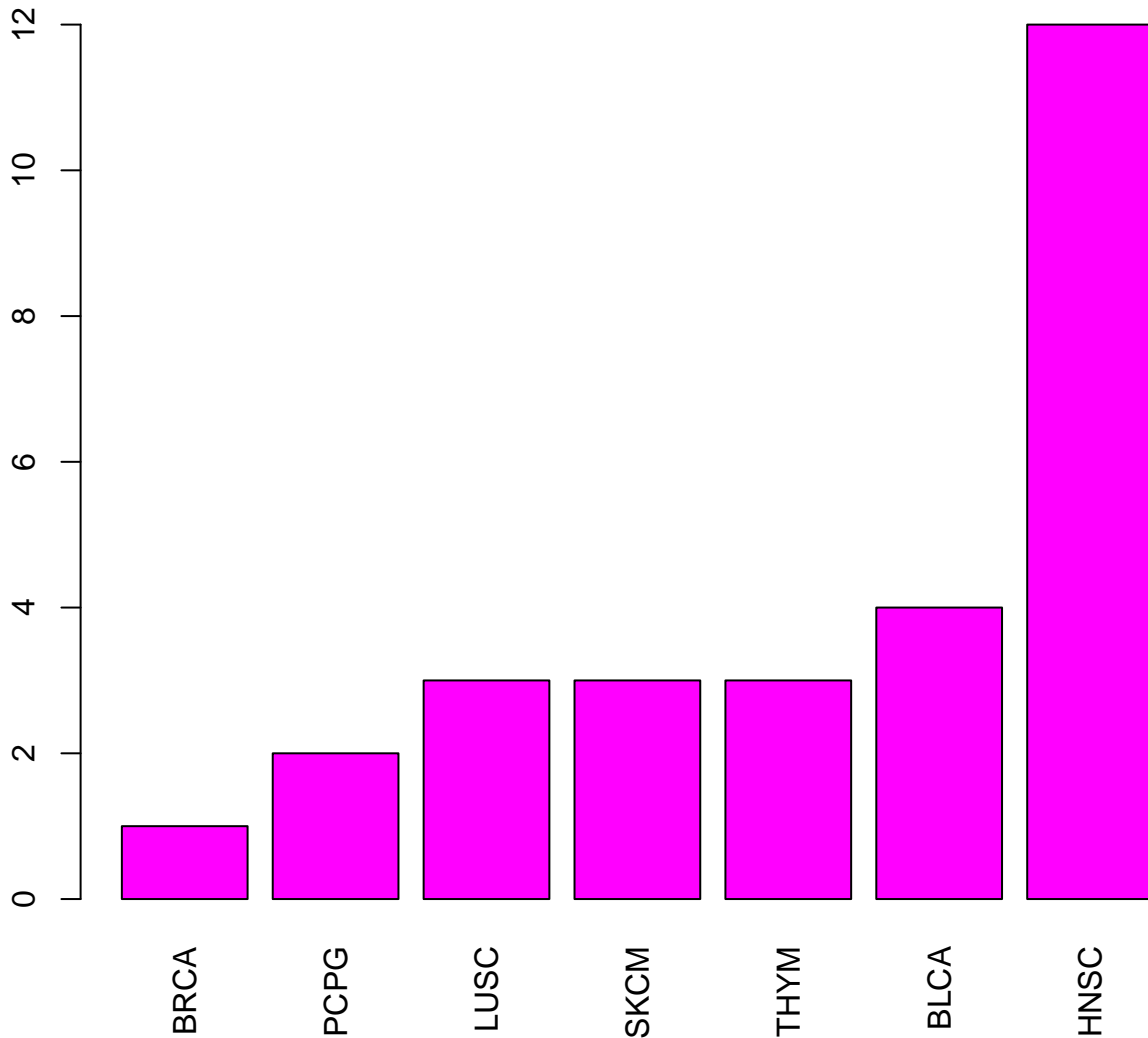
# Mutated allele breakdown for HRAS Q61 mutations



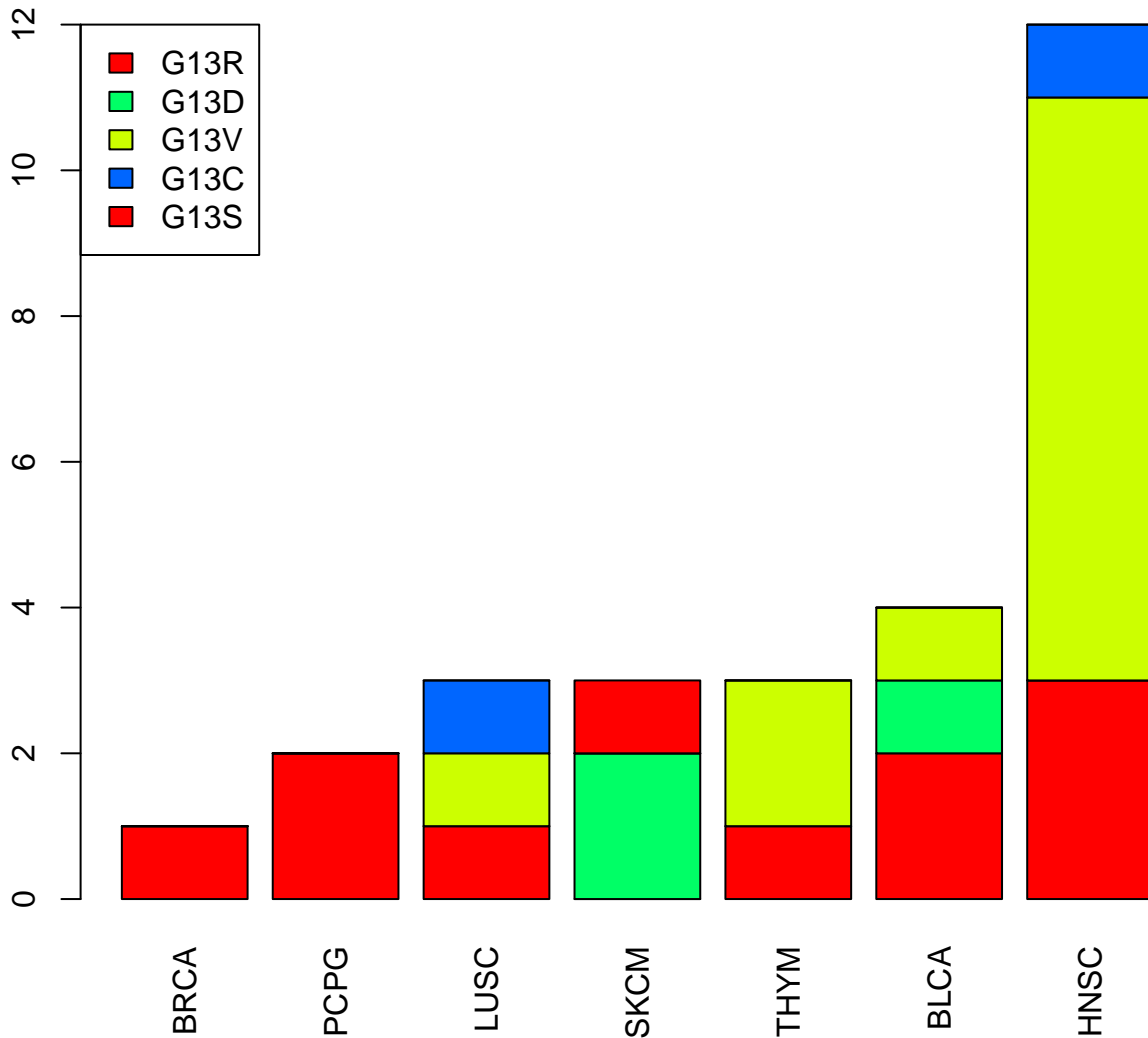
# Proportional view of allele breakdown of HRAS Q61 mutations



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

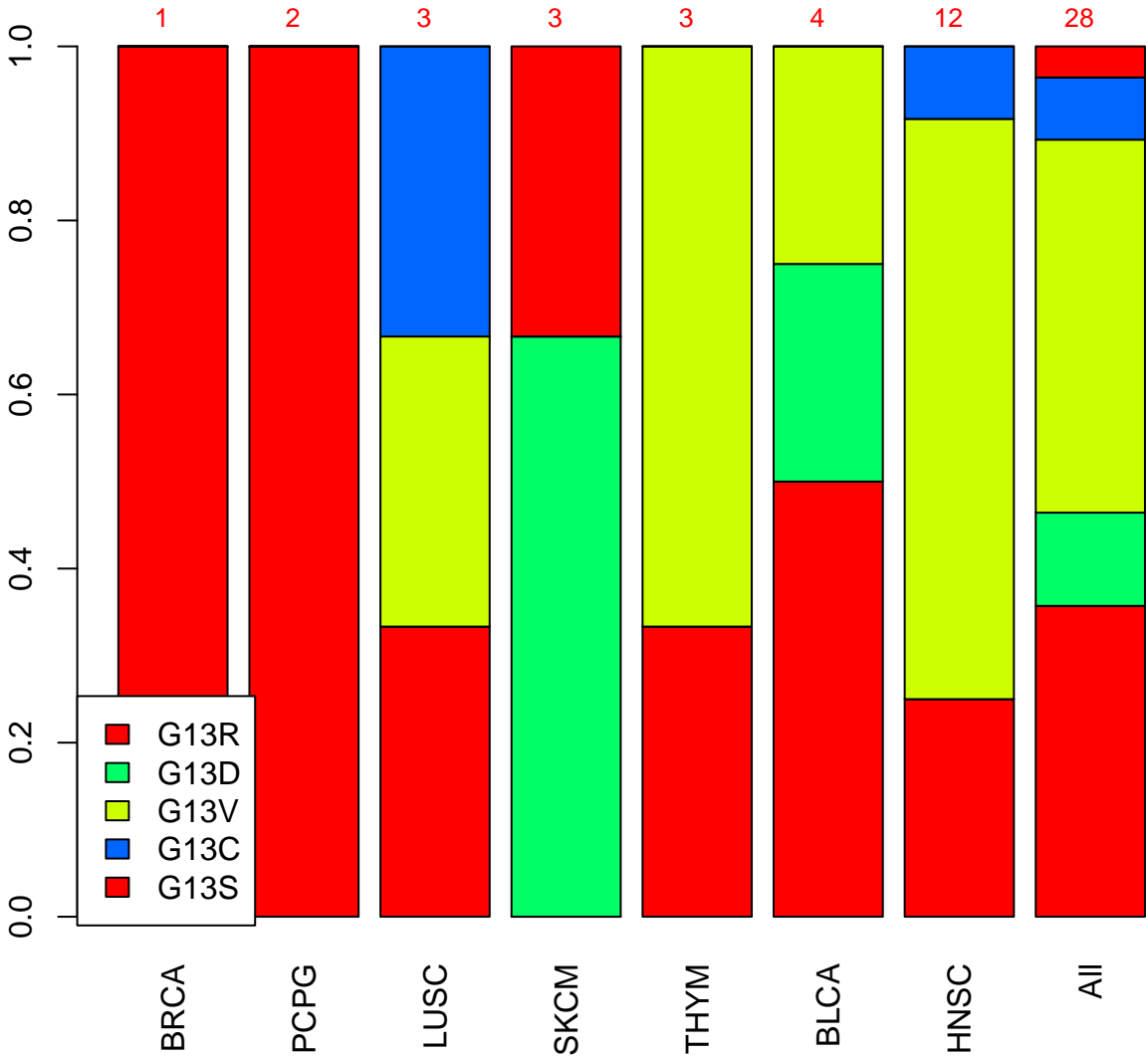


# Mutated allele breakdown for HRAS G13 mutations

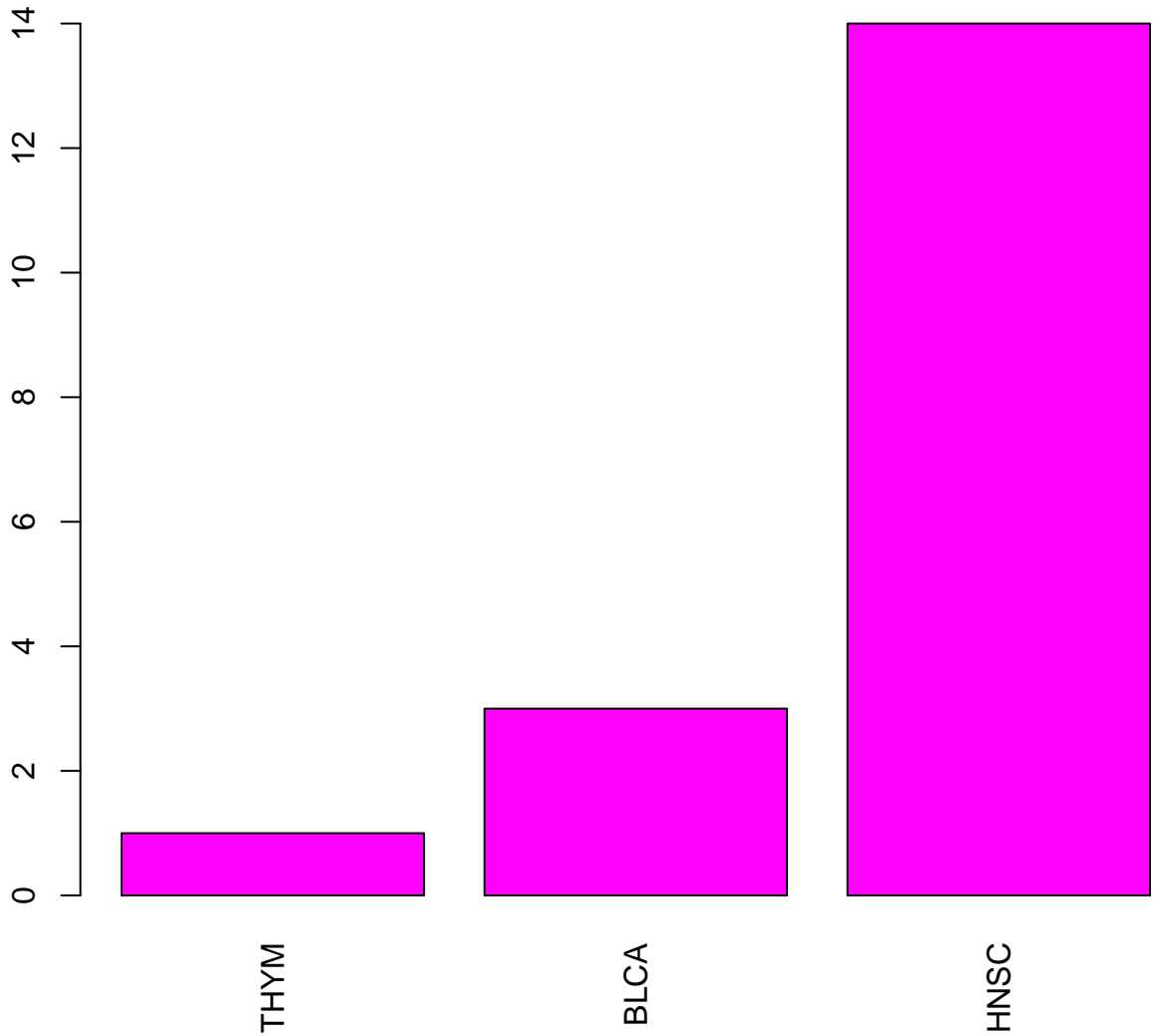




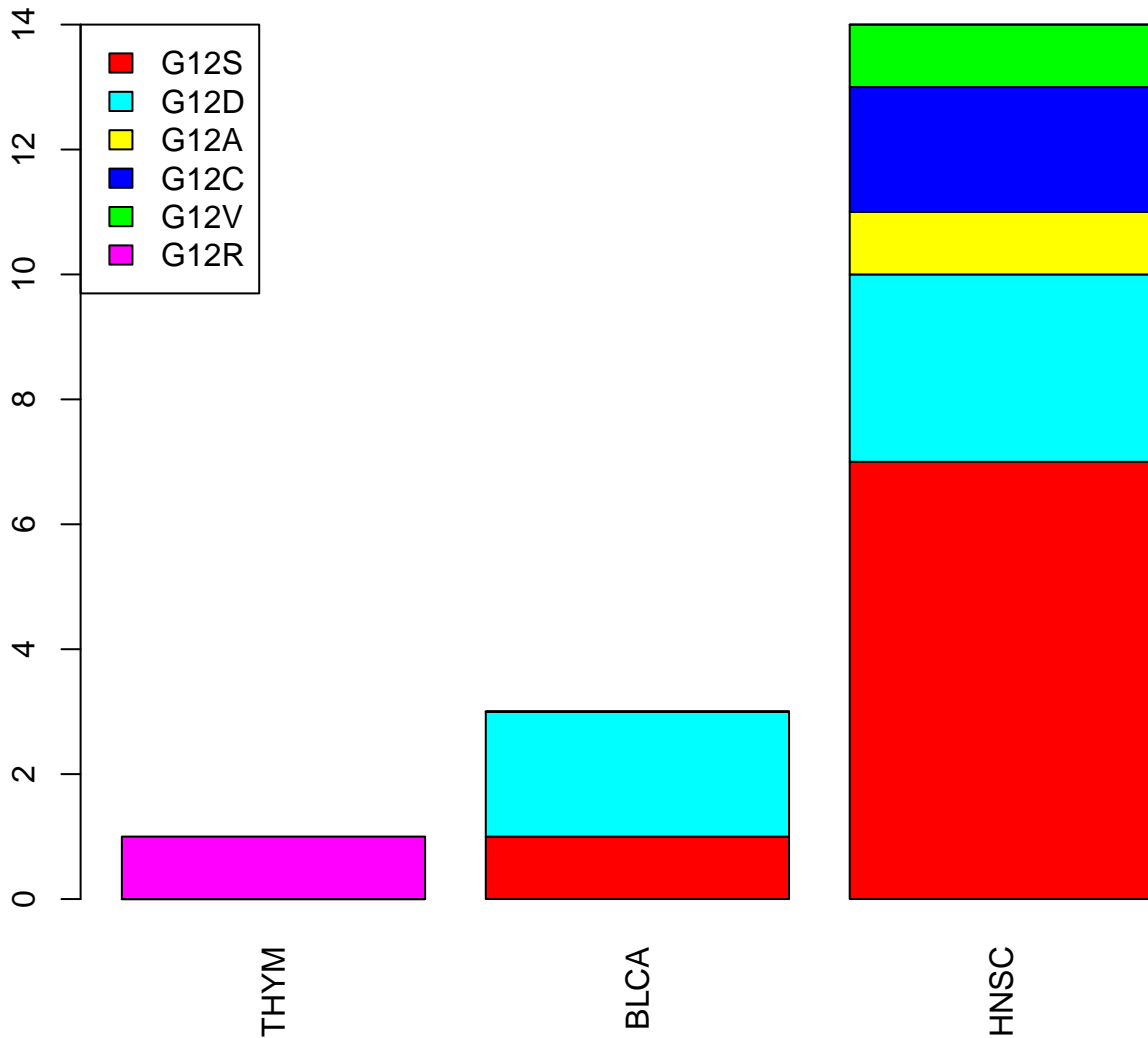
# Proportional view of allele breakdown of HRAS G13 mutations



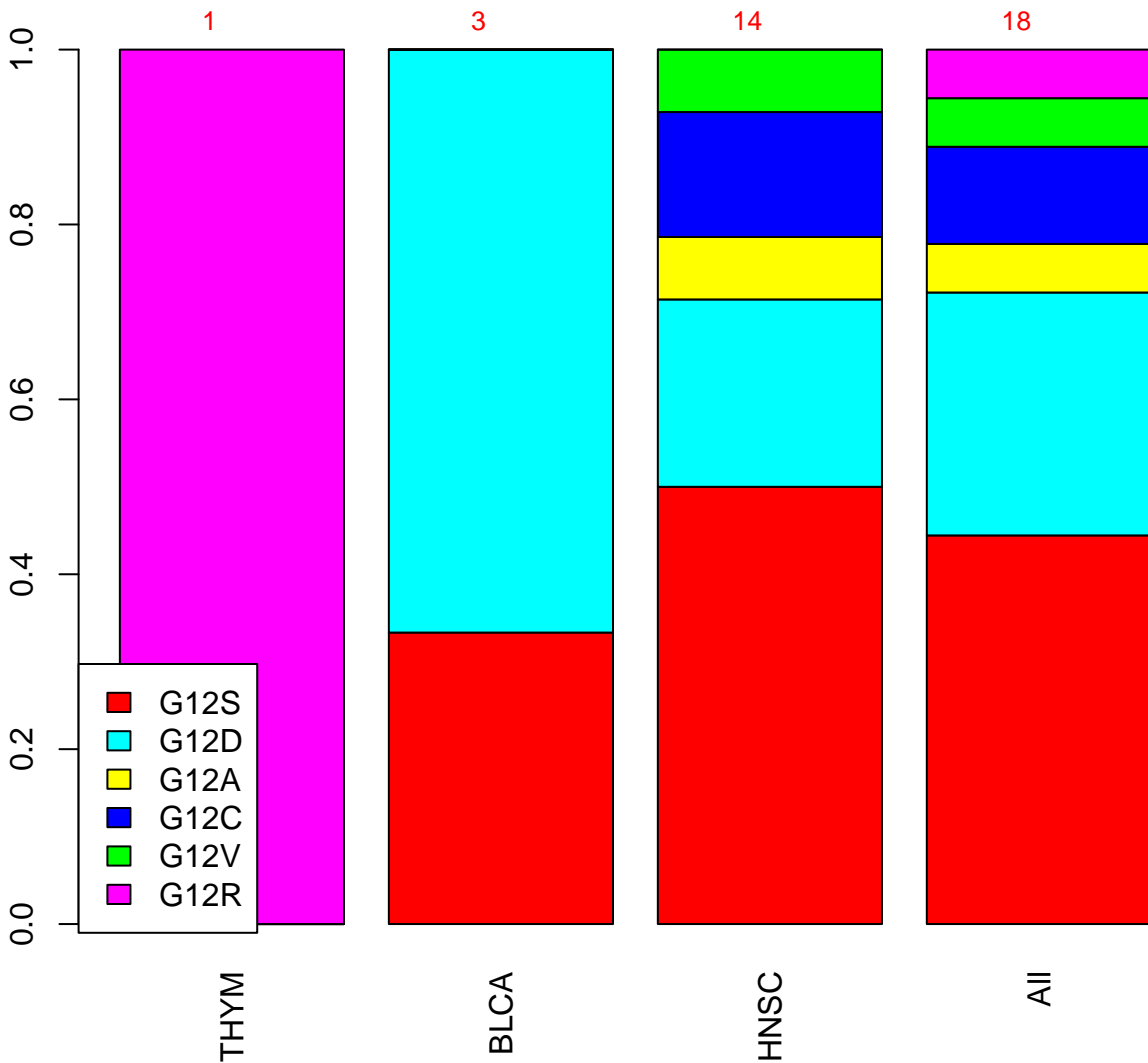
Total number of HRAS **G12** mutations in different cancer types



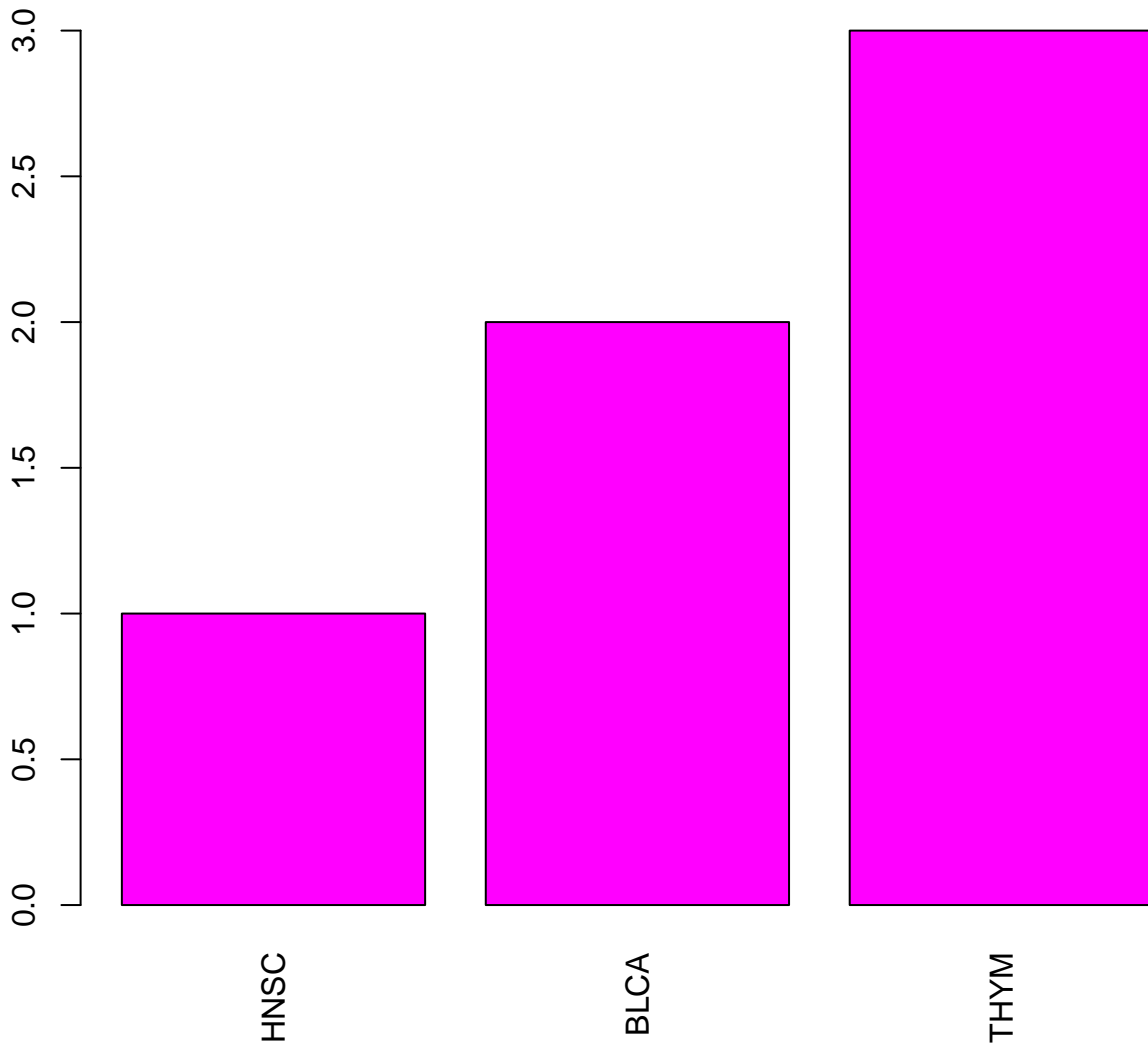
# Mutated allele breakdown for HRAS G12 mutations



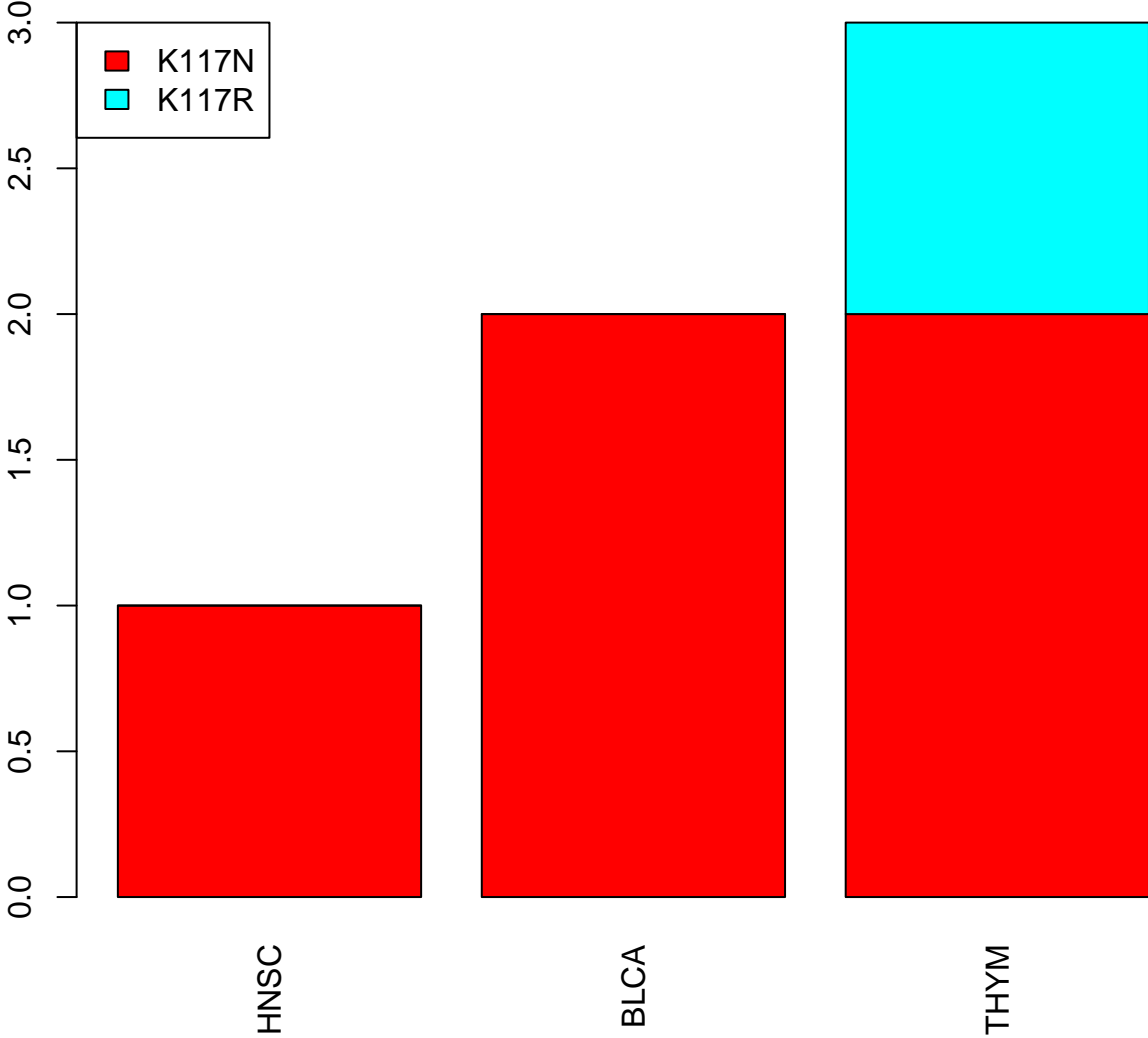
# Proportional view of allele breakdown of HRAS G12 mutations



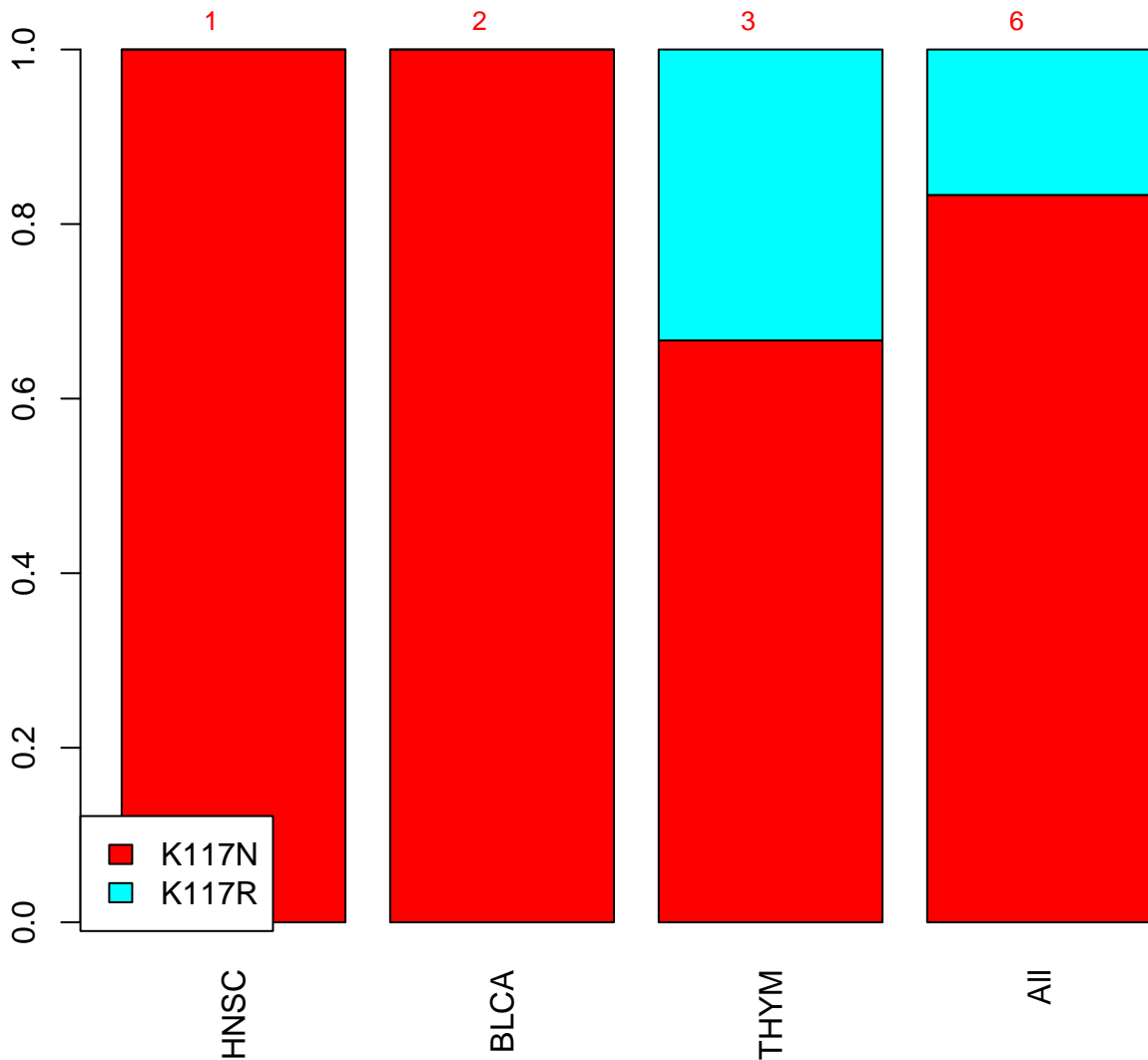
Total number of HRAS **K117** mutations in different cancer types



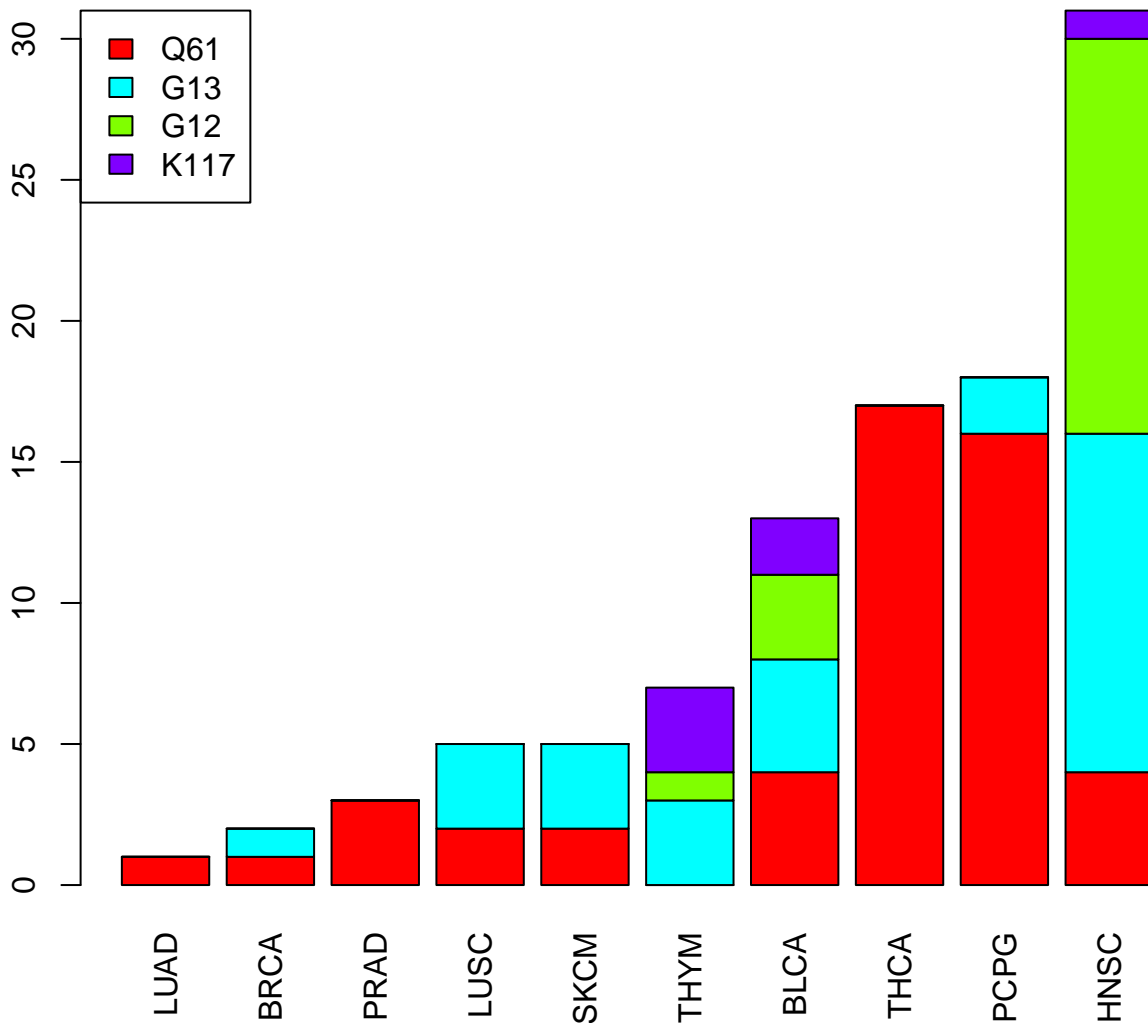
# Mutated allele breakdown for HRAS K117 mutations



# Proportional view of allele breakdown of HRAS K117 mutations



# Positional breakdown of HRAS mutations across cancer types





Proportional **position** breakdown of HRAS mutations

