**Figure A**

Frequency of AASs (/1000 AAs)

**Figure B**

Average frequency of AASs (/1000 AAs)

**Domains**

- ALL
- Acute Myeloid Leukemia
- Bladder
- Breast
- Cervical
- Chronic Lymphocytic Leukemia
- Colorectal
- Esophageal
- Glioblastoma
- Head and Neck
- Kidney (Chromophobe, Clear Cell, Papillary)
- Liver
- Lung (Adenocarcinoma, Small Cell, Squamous)
- Lymphoma (B-cell)
- Medulloblastoma
- Melanoma
- Myeloma
- Neuroblastoma
- Ovarian
- Pancreas
- Pilocytic Astrocytoma
- Prostate
- Stomach
- Thyroid
- Uterus

**Number of cancer types**

- 0
- 5
- 10
- 15
- 20
- 25
- 30

**Average frequency of AASs (/1000 AAs)**

- 0
- 50
- 100
- 150

**Domains**

- ALL
- Acute Myeloid Leukemia
- Bladder
- Breast
- Cervical
- Chronic Lymphocytic Leukemia
- Colorectal
- Esophageal
- Glioblastoma
- Head and Neck
- Kidney (Chromophobe, Clear Cell, Papillary)
- Liver
- Lung (Adenocarcinoma, Small Cell, Squamous)
- Lymphoma (B-cell)
- Medulloblastoma
- Melanoma
- Myeloma
- Neuroblastoma
- Ovarian
- Pancreas
- Pilocytic Astrocytoma
- Prostate
- Stomach
- Thyroid
- Uterus