

Compendium of Cancer Genome Aberrations (CCGA)

www.ccga.io



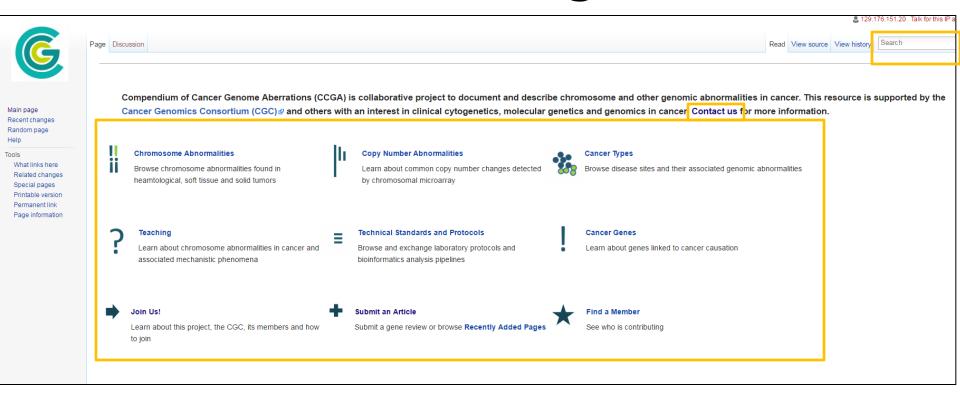
CCGA Wiki Pages

- Compendium of Cancer Genome Aberrations (CCGA)
 - collaborative project to document and describe genomic rearrangements in cancer.
 - Supported by Cancer Genomics Consortium (CGC)





Home Page



 NOTE: Much of this resource is under construction and in need of contributions from our field.





Chromosome Abnormalities

Search Chromosome Abnormalities Contents [hide] 1 Show Me Everything 2 Search By Chromosome 3 Search By Disease 4 Search By Abnormality Type Show Me Everything All Structural and Numerical Changes Search By Chromosome Chromosome 1 Chromosome 2 Chromosome 3 Chromosome 4 Chromosome 5 Chromosome 6 Chromosome 7 Chromosome 8 Chromosome 9 Chromosome 17 Chromosome 18 Chromosome 19 Chromosome 20 Chromosome 21 Chromosome 22 Chromosome X Chromosome Y Search By Disease 1. MDS 2. AML 3. B-ALL 4. T-ALL Search By Abnormality Type 1. Translocations 2. Insertions 3. Inversions 4. Deletions

- Blue = Wiki page available
- Red = Not built yet
- NOTE: Not all
 Wiki pages have
 useful
 information
 entered yet.



Chromosome Abnormalities

- Select "Show Me Everything" to see all CCGA documented rearrangements with associated genes and disorders
 - Includes translocation, inversions, CNVs, isochromosomes, cryptic rearrangement, numerical abnormalities, and primarily pediatric abnormalities

INVERSIONS

ANOMALY	ASSOCIATED DISORDERS with FISH test	GENES
inv(3)(q21q26.2)	MDS, AML	RPN1-MECOM(EVI1)
inv(11)(q21q23)	MDS, AML M2, T-ALL	MAML2-MLL
inv(14)(q11.2q32)	PLL	TRA-TCL1A(TCL1)
inv(16)(p13.1q22)	AML M4Eo	MYH11-CBFB

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- Red = Not built yet





Copy Number Alterations

- Click on 'Copy Number Alterations' on Home Page and Search
- By Disease
 - Some diseases have Plotly CNA genomic profile graph based on TCGA data.
 - Particularly helpful for whole genome microarray.
- Full CNA Database Table
 - Disease-specific data at either gene level or cytoband level.
 - Any known therapies
 - PMIDs referenced for entry



Cancer Types



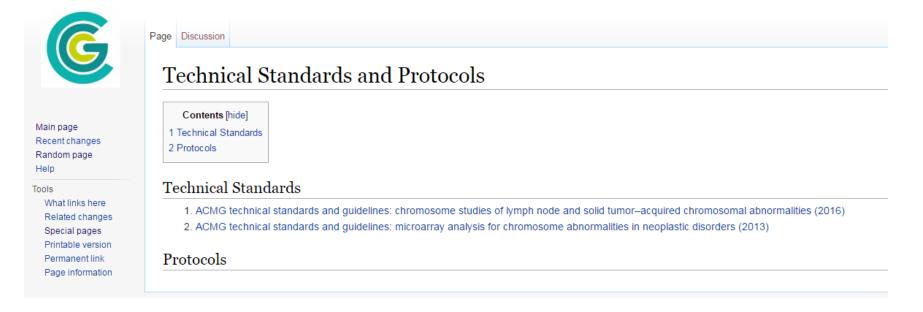
- Click on 'Cancer Types' on Home Page
- Expand WHO Classification for various tumor types
 - CNS tumors
 - Head and Neck tumors
 - Endocrine tumors
 - Breast tumor
 - Heme and Lymphoid Neoplasms

- Blue = wikipage available
- Red = Not built yet





Links to Technical Standards



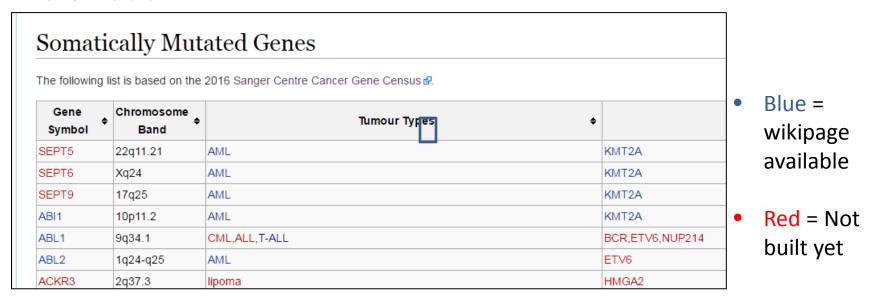
- Select 'Technical Standards and Protocols' from Home Page
- Links available to 2016 and 2013 ACMG technical standards and guidelines



Cancer Genes



- Select 'Cancer Genes' from Home Page
- Somatically Mutated Genes from COSMIC Cancer Gene Census copied into table.
- Can also link out to COSMIC Cancer Gene Census.







Submit an article

- Edit Wikipage directly
 - Must be a member
 - Read and understand creation tutorial
 - Use Wiki Markup and (if applicable) templates
 - Templates available for translocation review, disease review, fusion review, gene review
- Email notes with reference information to <u>cancergenomicsconsortiumwiki@gmail.com</u>
- Submit information using online form directly in website
 - Must include references





Contacts

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