

Cancer Variants Mapping to Non-Genic TSS-Distal DHS Peaks

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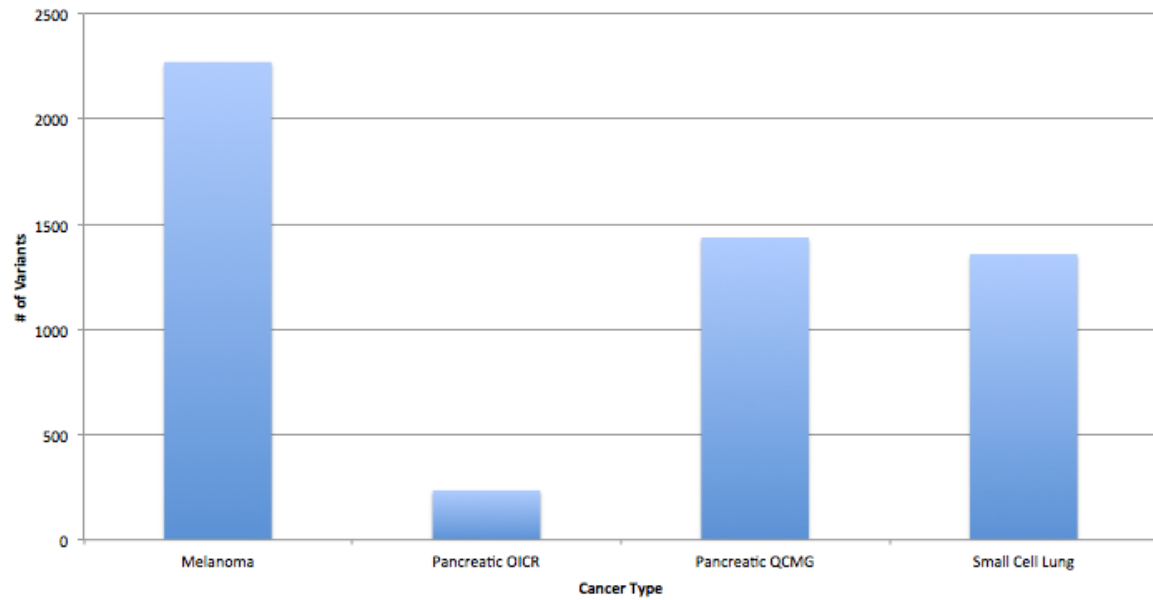
Le Meeting du Genome Tech

2011-11-02

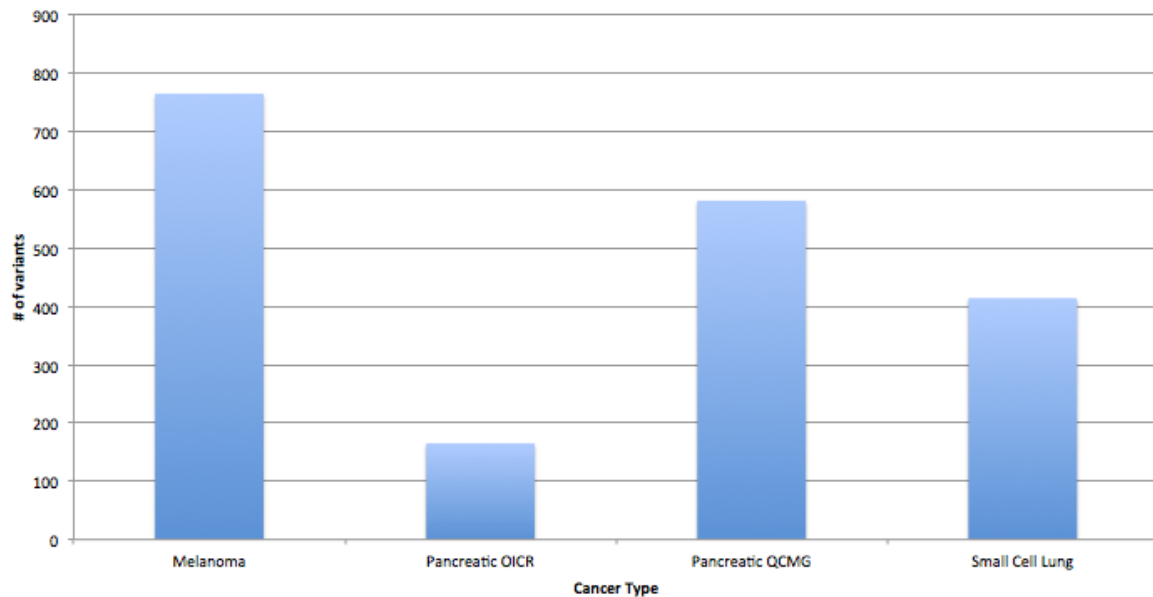
Overview

- Variants from four types of cancers
 - 76,085 melanoma variants
 - 28,784 pancreatic (OICR) variants
 - 43,119 pancreatic (QCMG) variants
 - 50,470 Small Cell Lung Adenocarcinoma variants
- Found overlaps with Duke and UW DNase I Hypersensitivity Peaks
 - 101 cell lines from Duke
 - 325 cell lines from UW

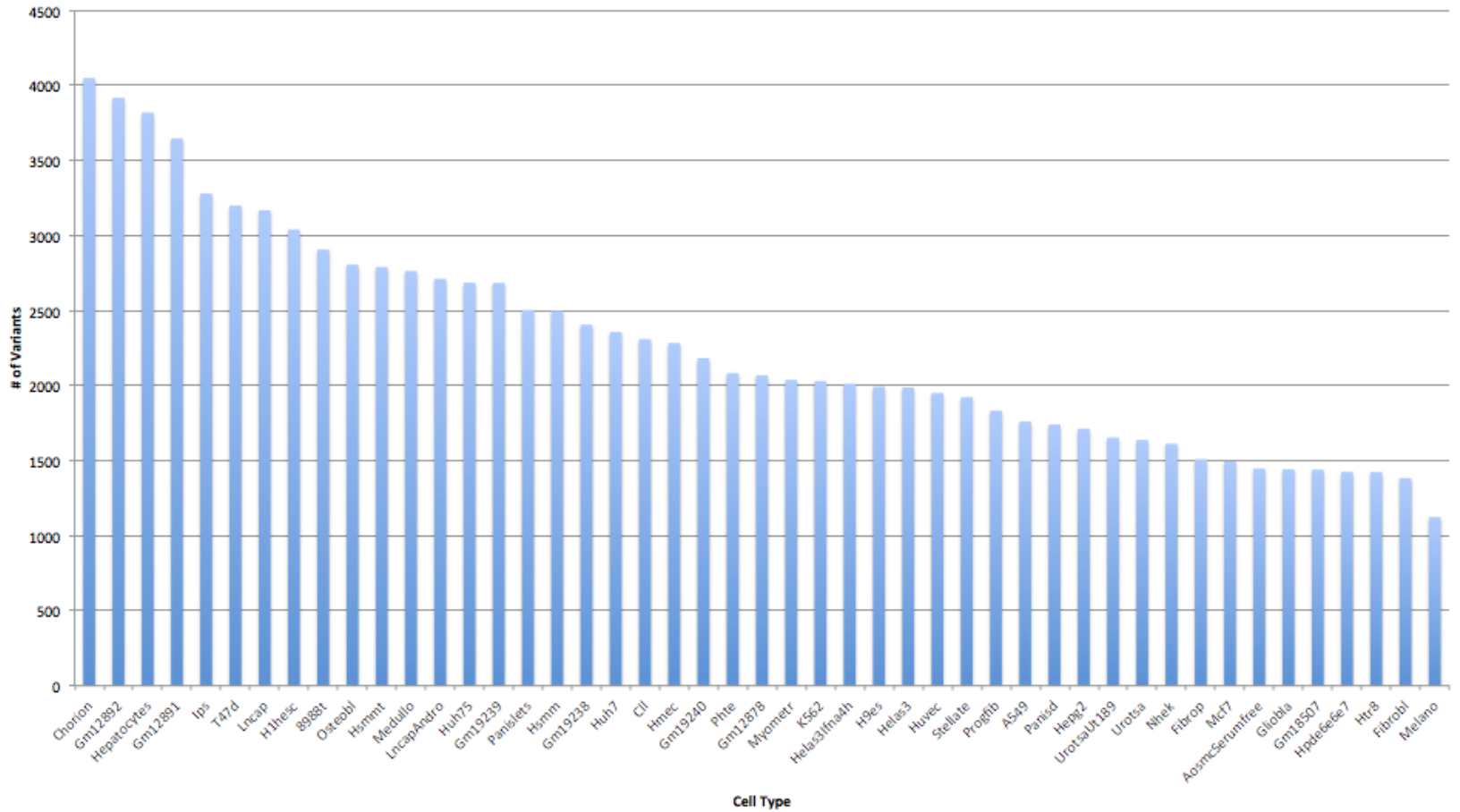
Average number of ICGC variants mapping to Duke non-genic TSS-distal DHS Peaks in a Single Cell Line (by Cancer Type)



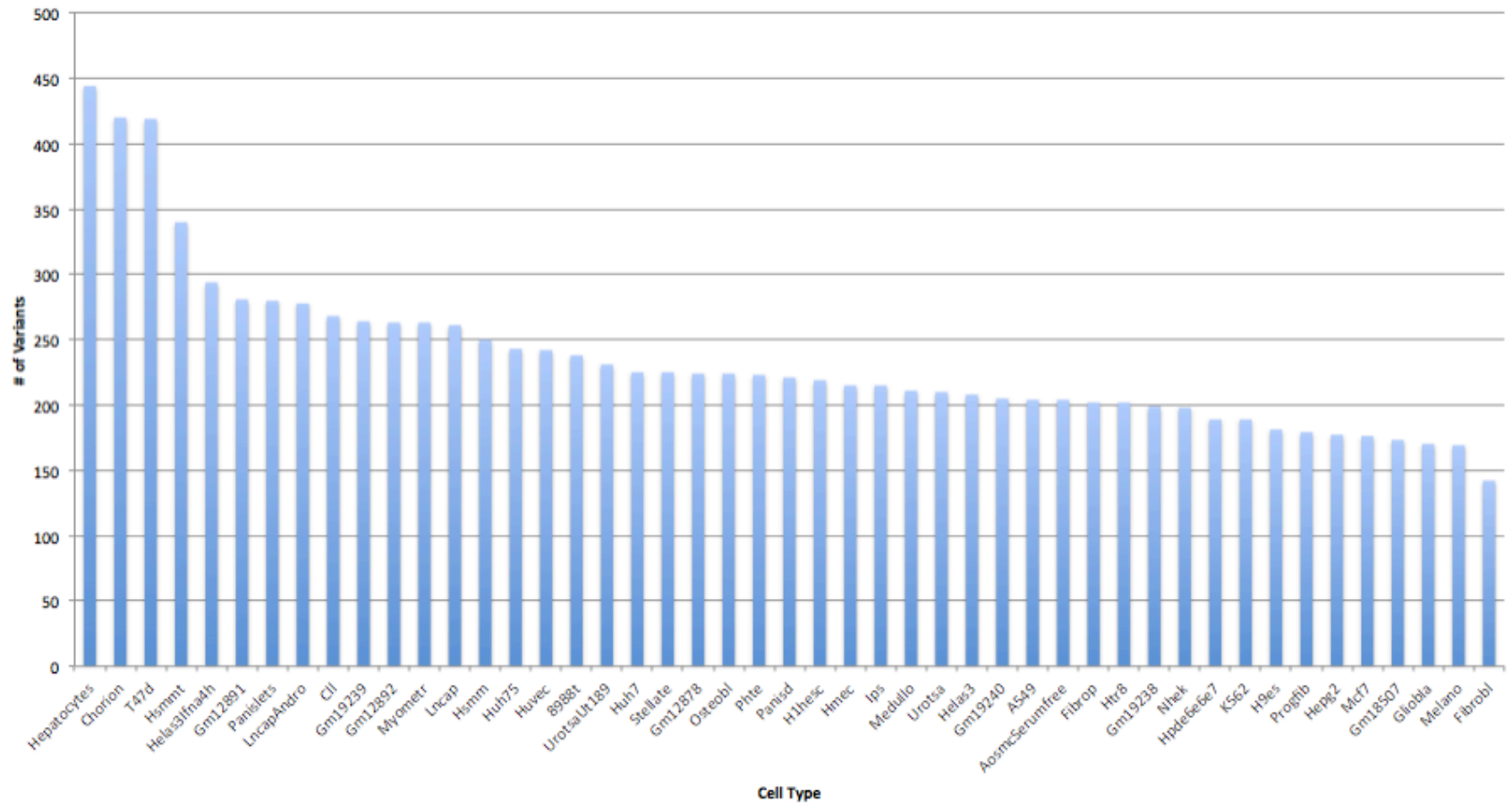
Number of ICGC Variants Mapping to UW Non-genic TSS-distal DHS Peaks (by Cancer Type)



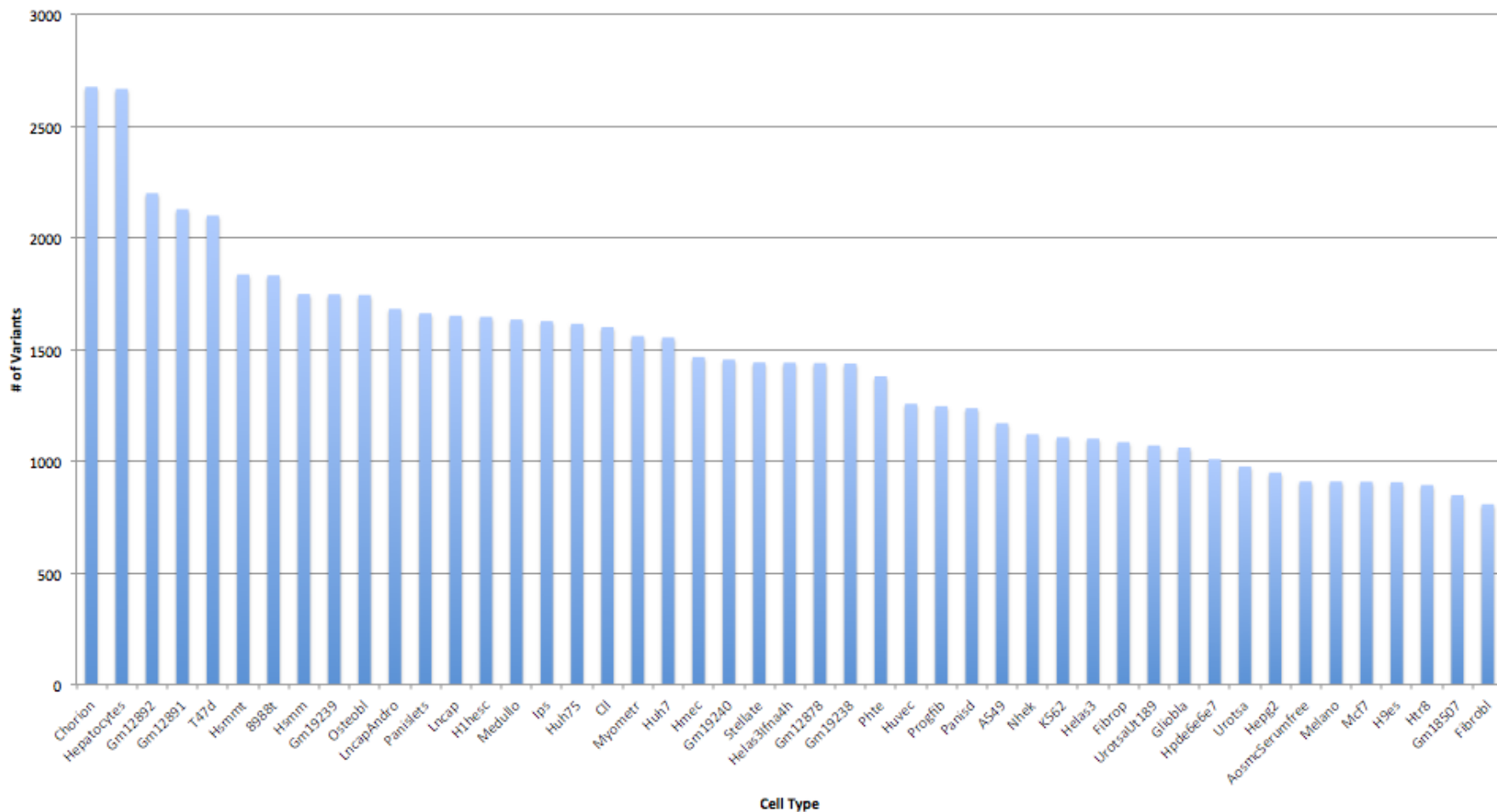
Number of Melanoma Variants that Map to Duke Non-genic TSS-Distal DHS Peaks (by Cell Type)



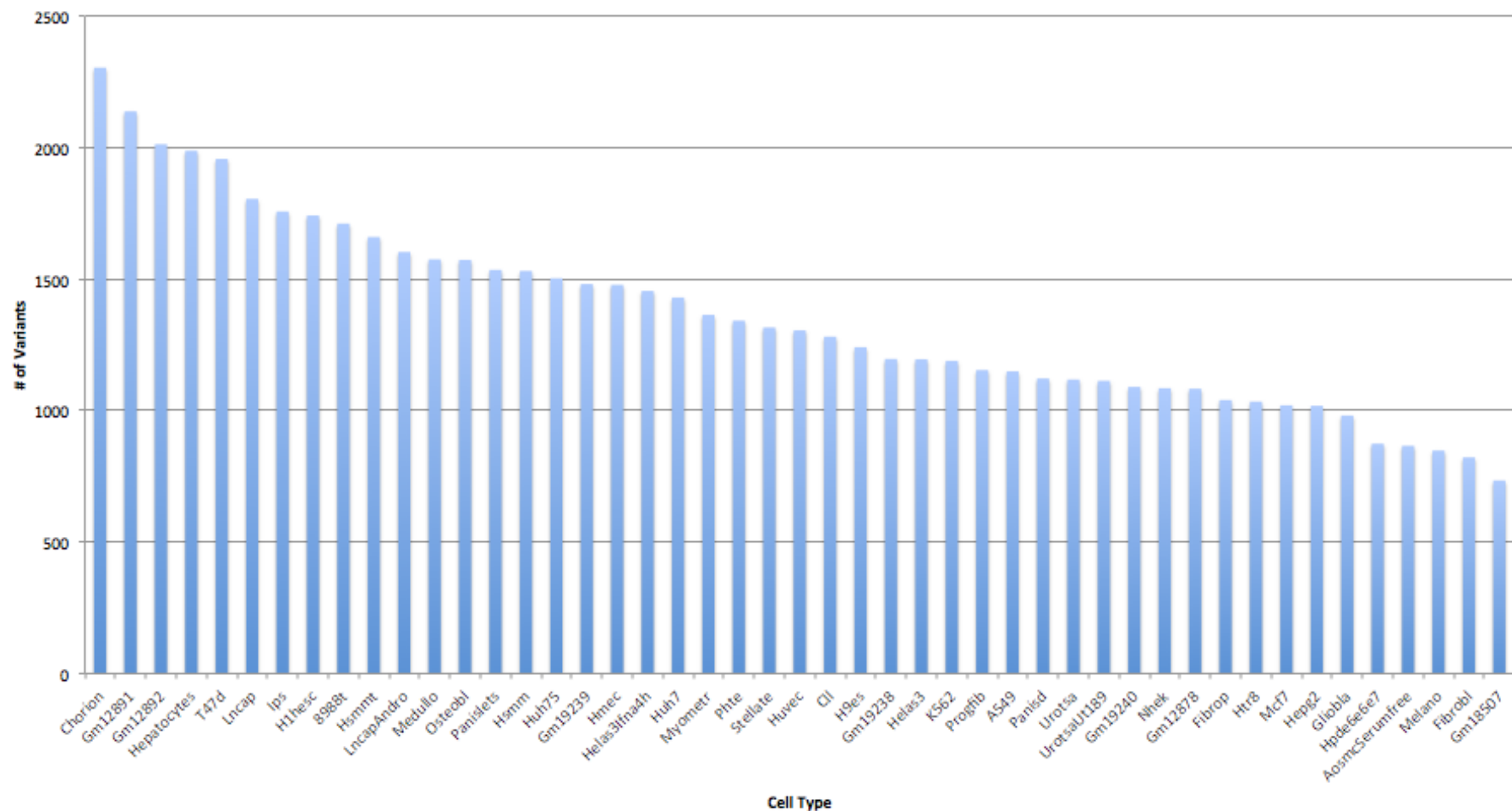
Number of Pancreatic (OICR) Variants that Map to Duke Non-genic TSS-Distal DHS Peaks (by Cell Type)



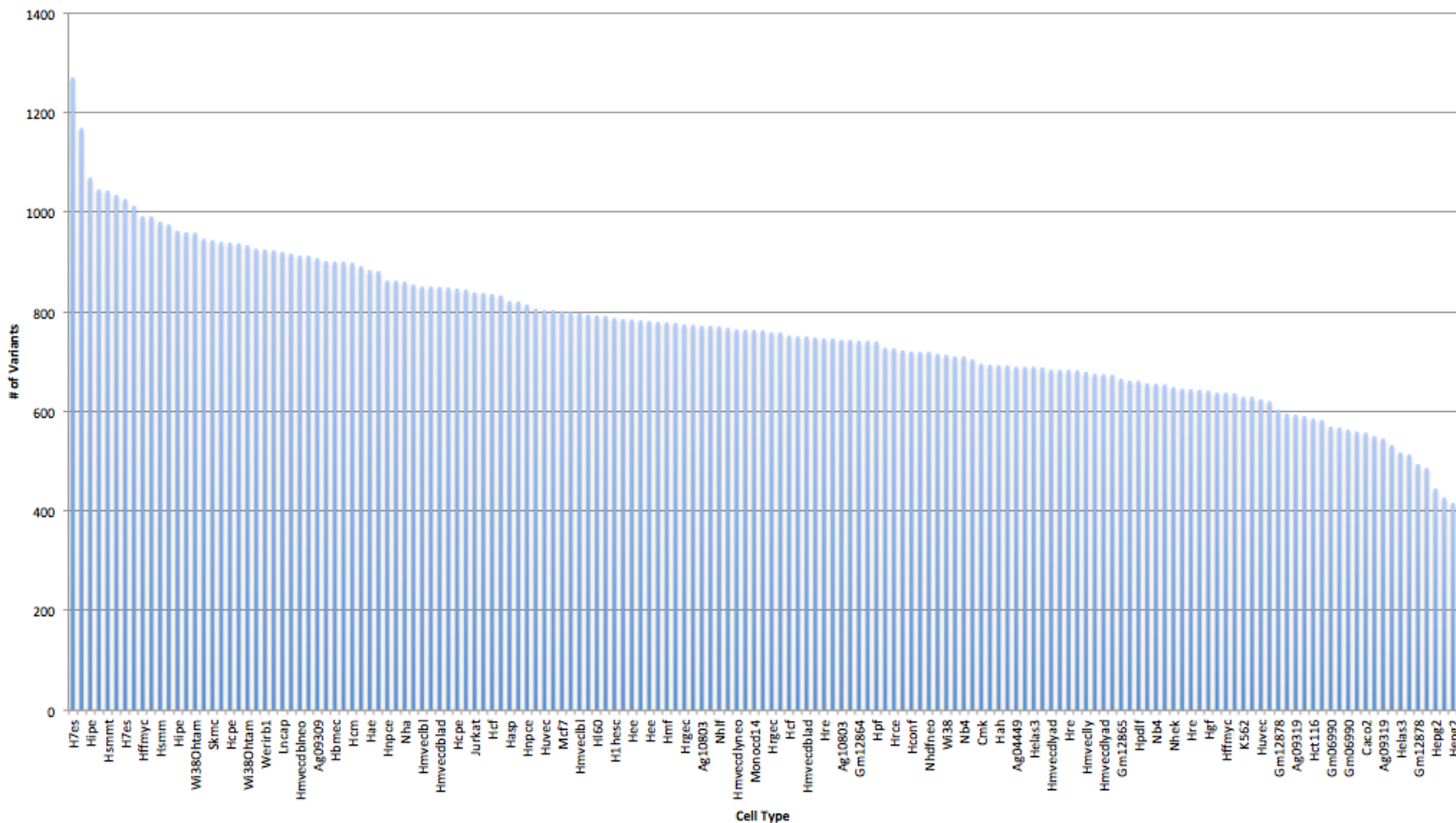
Number of Pancreatic (QCMG) Variants that Map to Duke Non-genic TSS-Distal DHS Peaks (by Cell Type)



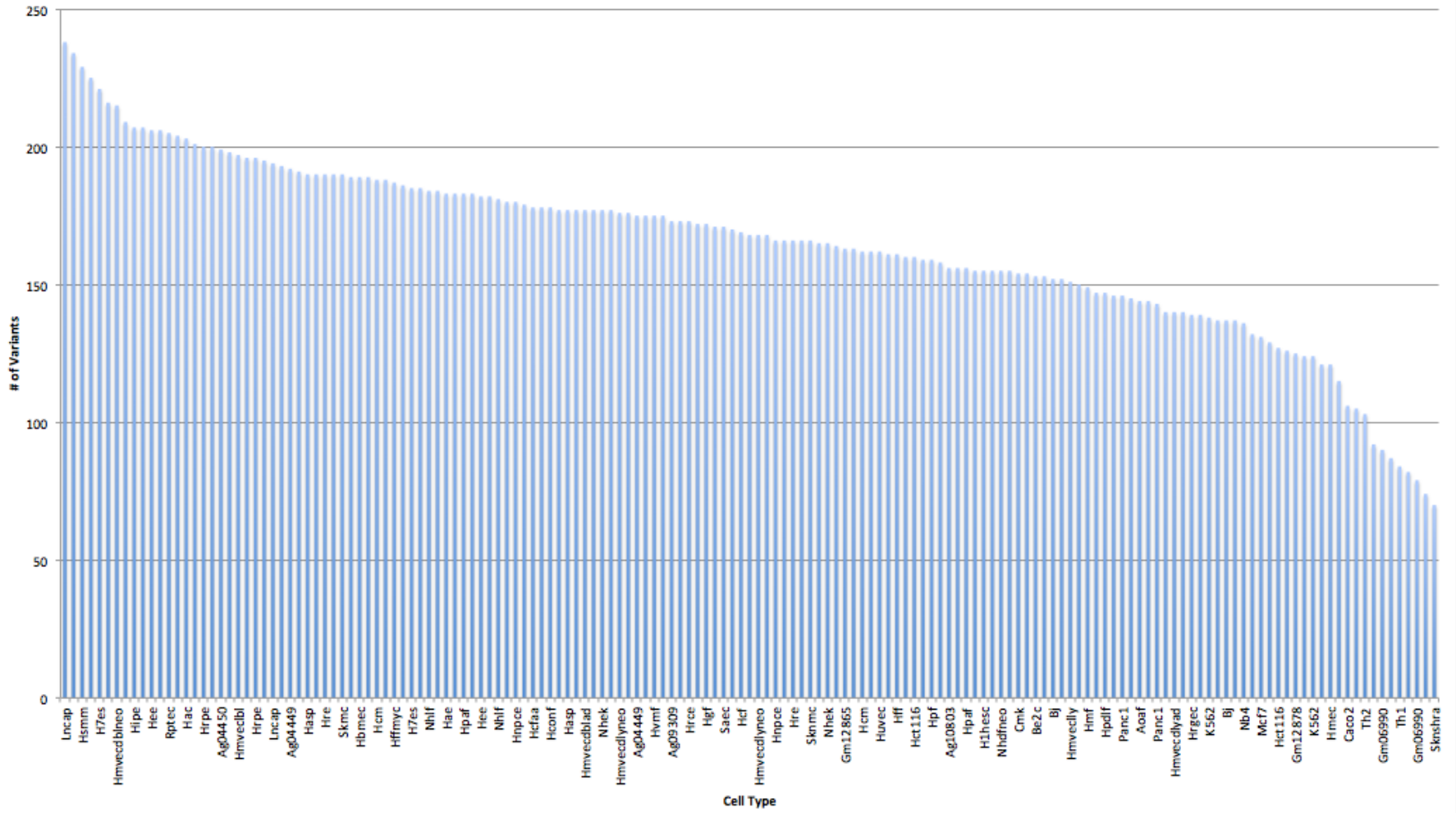
Number of Small Cell Lung Variants that Map to Duke Non-genic TSS-Distal DHS Peaks (by Cell Type)



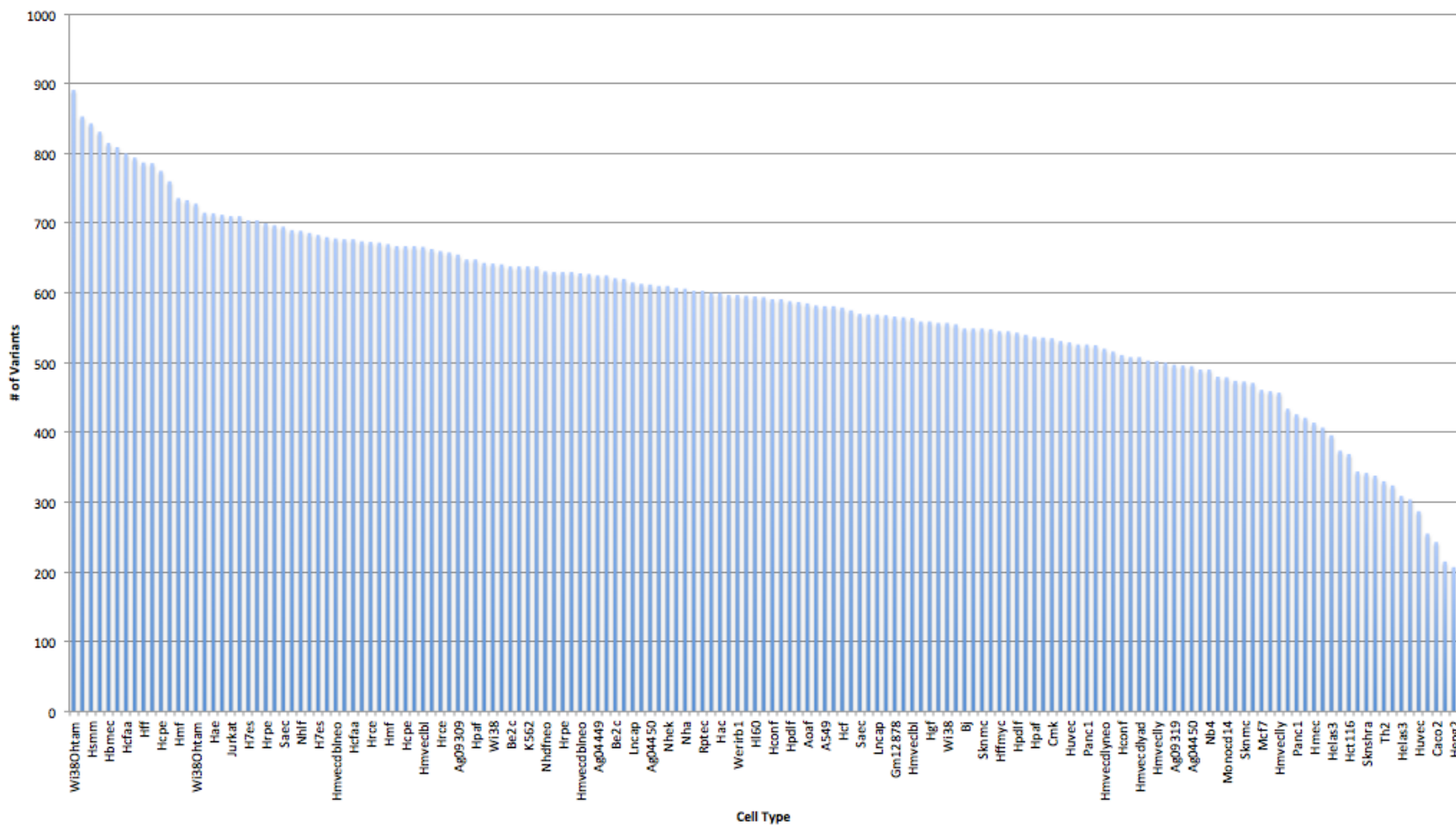
Number of Melanoma Variants that Map to UW Non-Genic TSS-Distal DHS Peaks (by Cell Type)



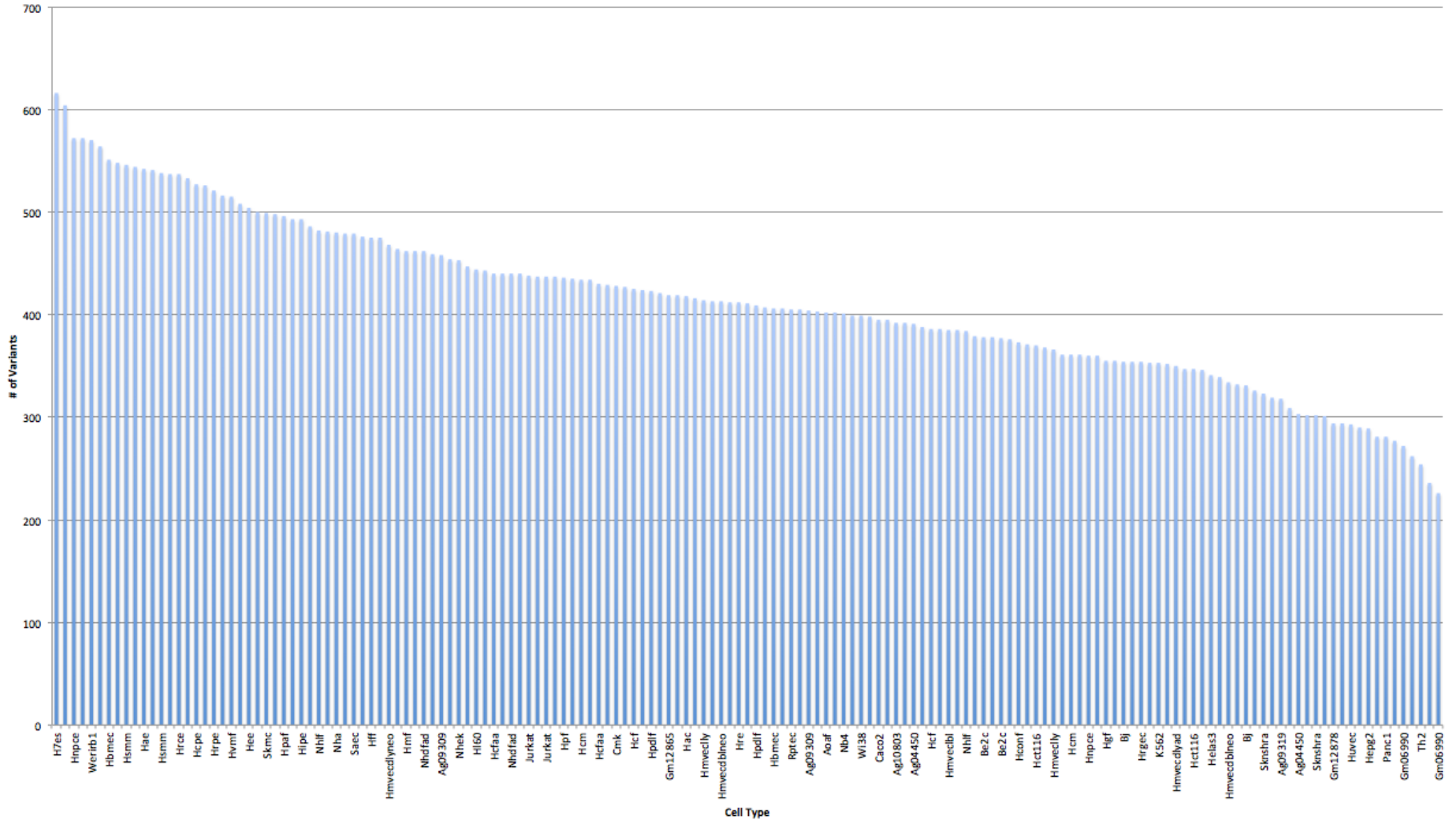
Number of Pancreatic (OICR) Cancer Variants that Map to UW Non-genic TSS-Distal DHS Peaks (by Cell Type)



Number of Pancreatic (QCMG) Variants that Map to UW Non-genic TSS-Distal DHS Peaks (by Cell Type)

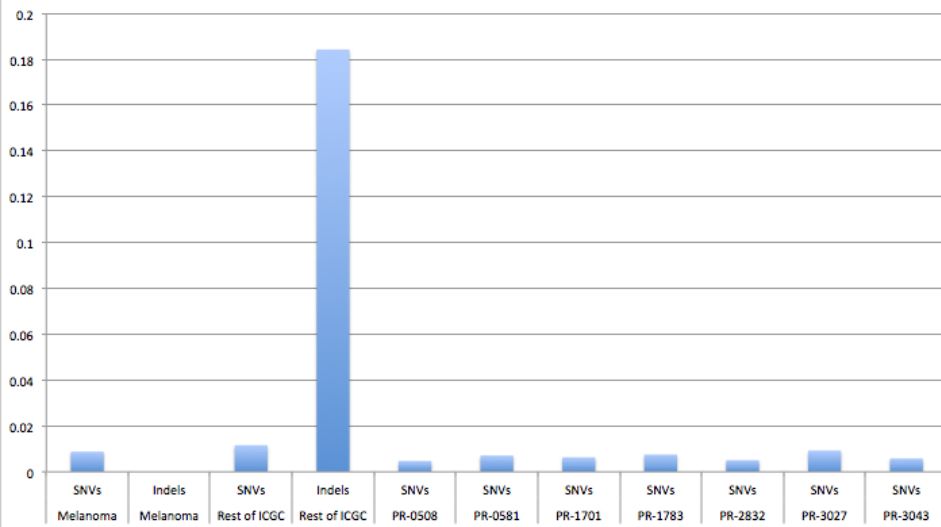


Number of Small Cell Lung Variants that Map to UW Non-genic TSS-Distal DHS Peaks (by Cell Type)

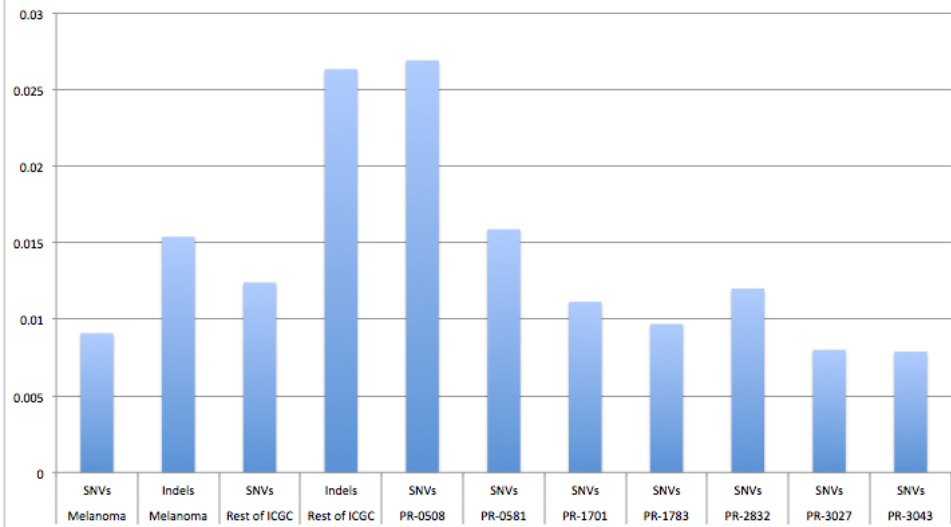


Cancer Variants on the Personal Genome Table: Fraction that Map to Each Region

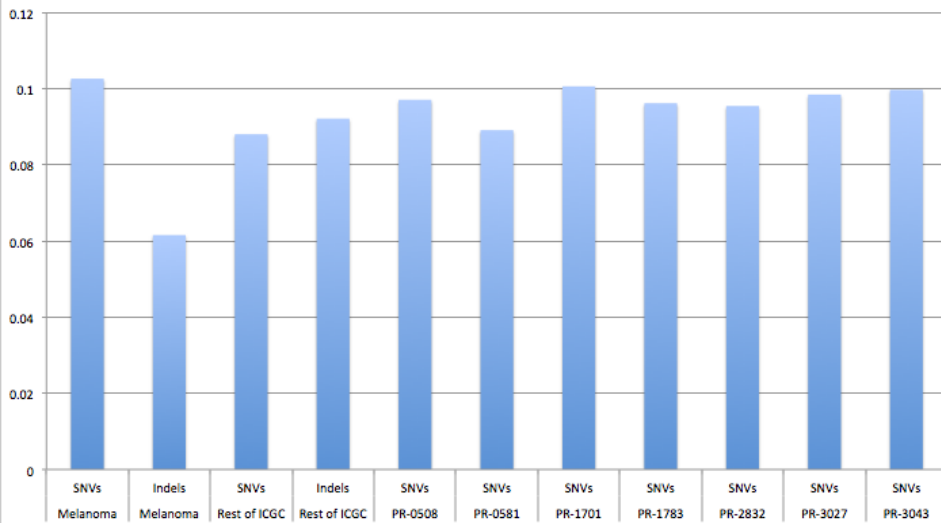
Fraction of Variants That Map to Genes



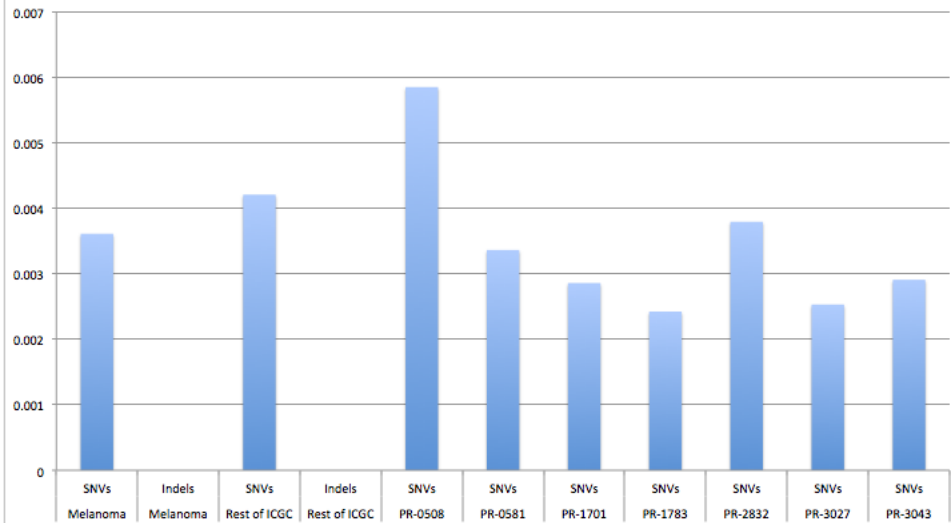
Fraction of Variants That Map to Pseudogenes



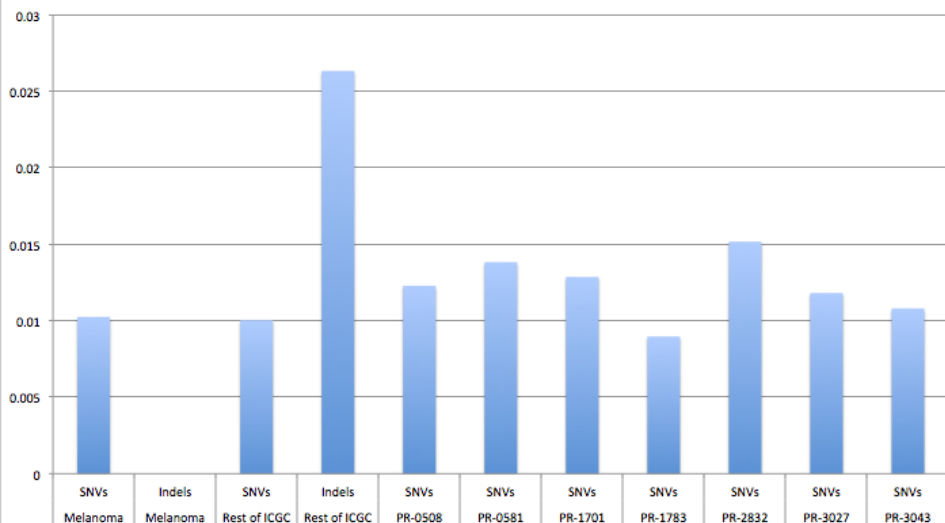
Fraction of Variants That Map to ncRNA



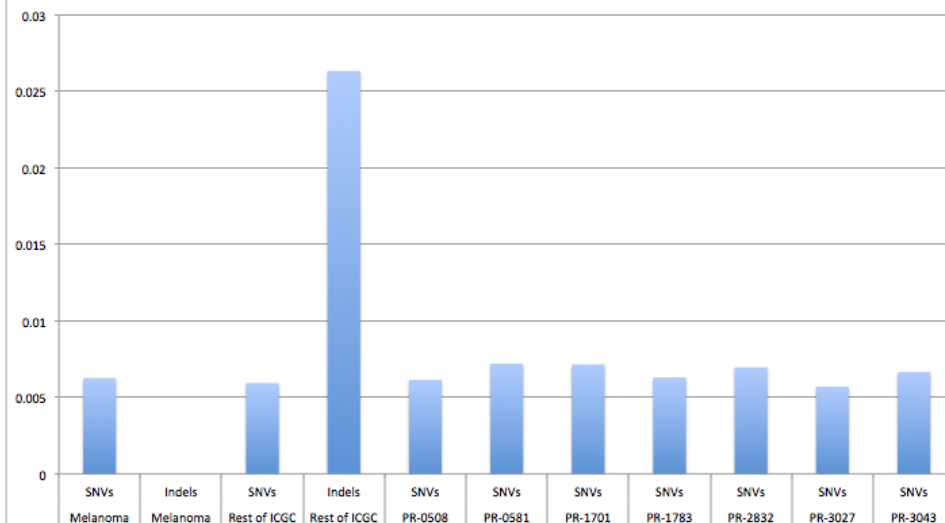
Fraction of Variants That Map to ncRNA Exons



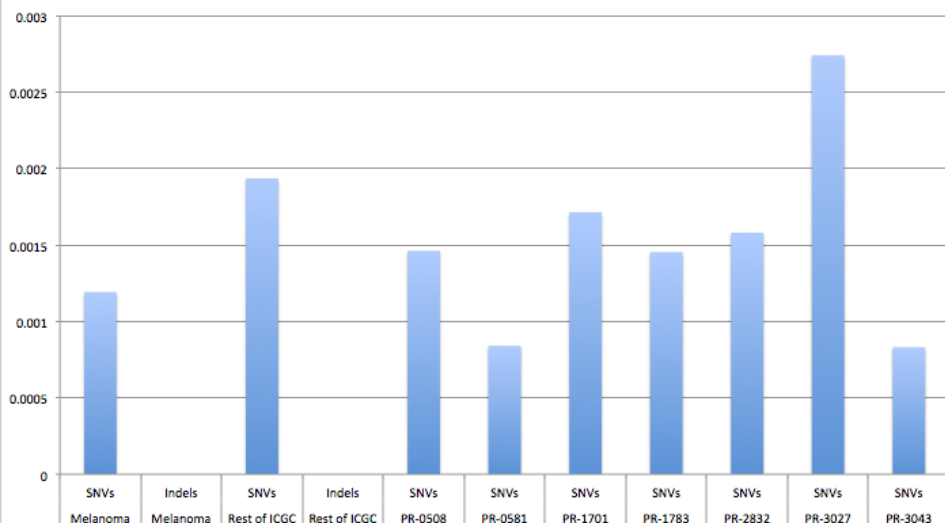
Fraction of Variants That Map to Pol2 Binding Sites



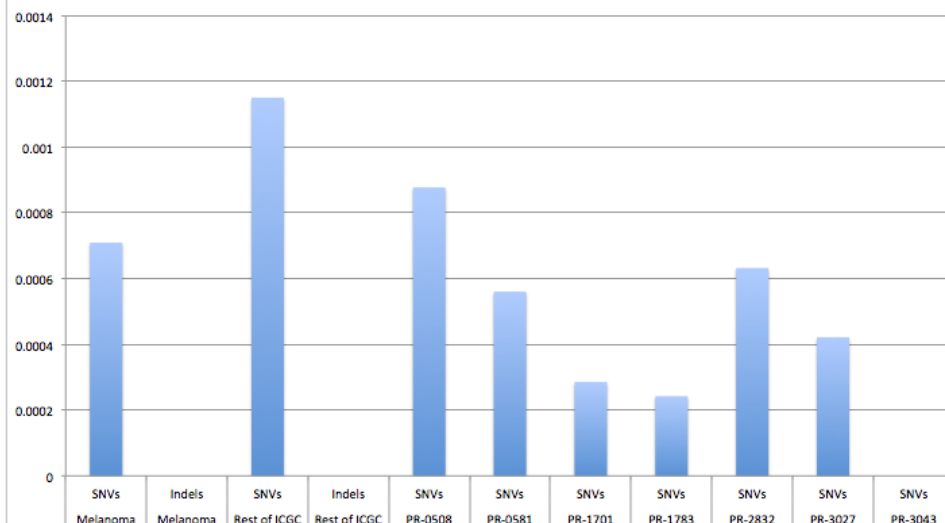
Fraction of Variants That Map to Ctcf Binding Sites



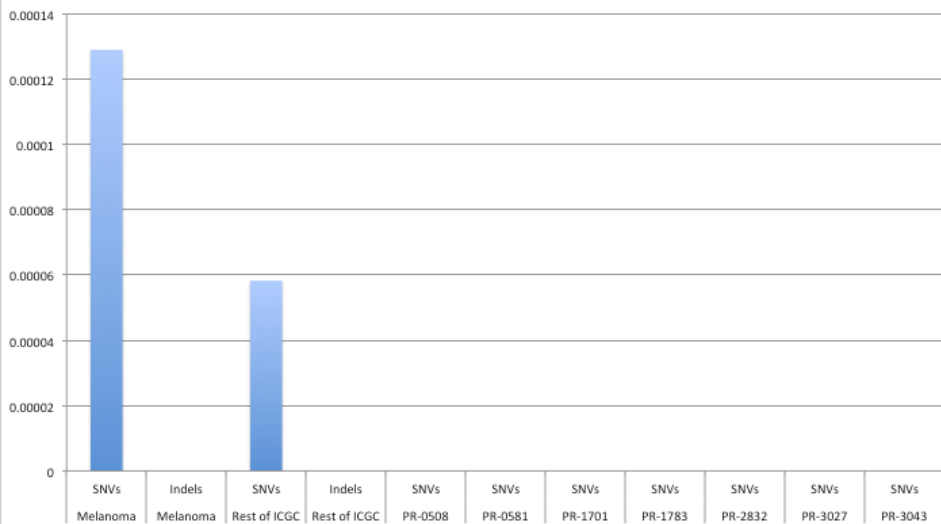
Fraction of Variants That Map to P300 Binding Sites



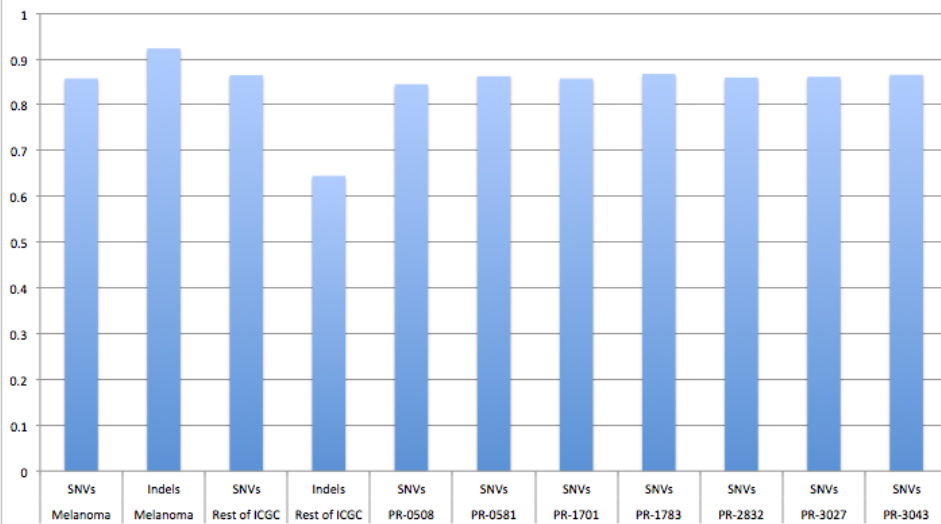
Fraction of Variants That Map to cMyc Binding Sites



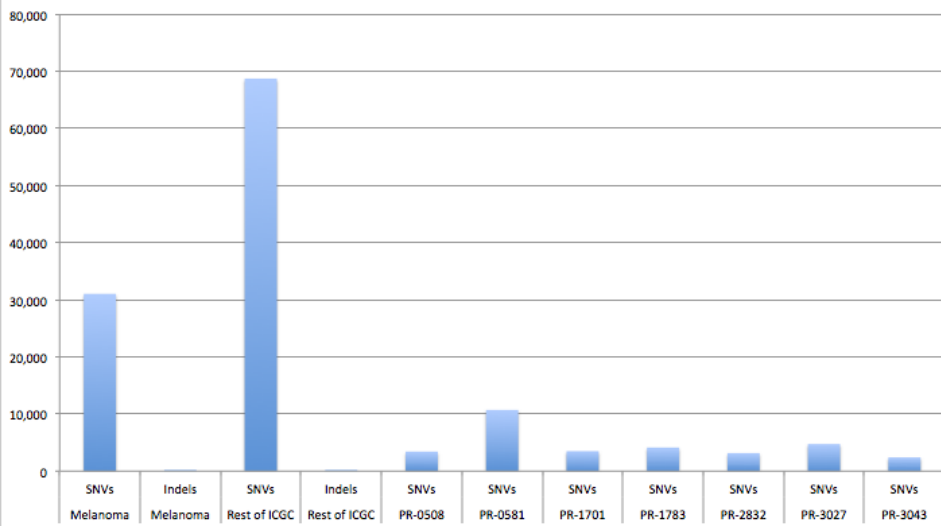
Fraction of Variants That Map to Max Binding Sites



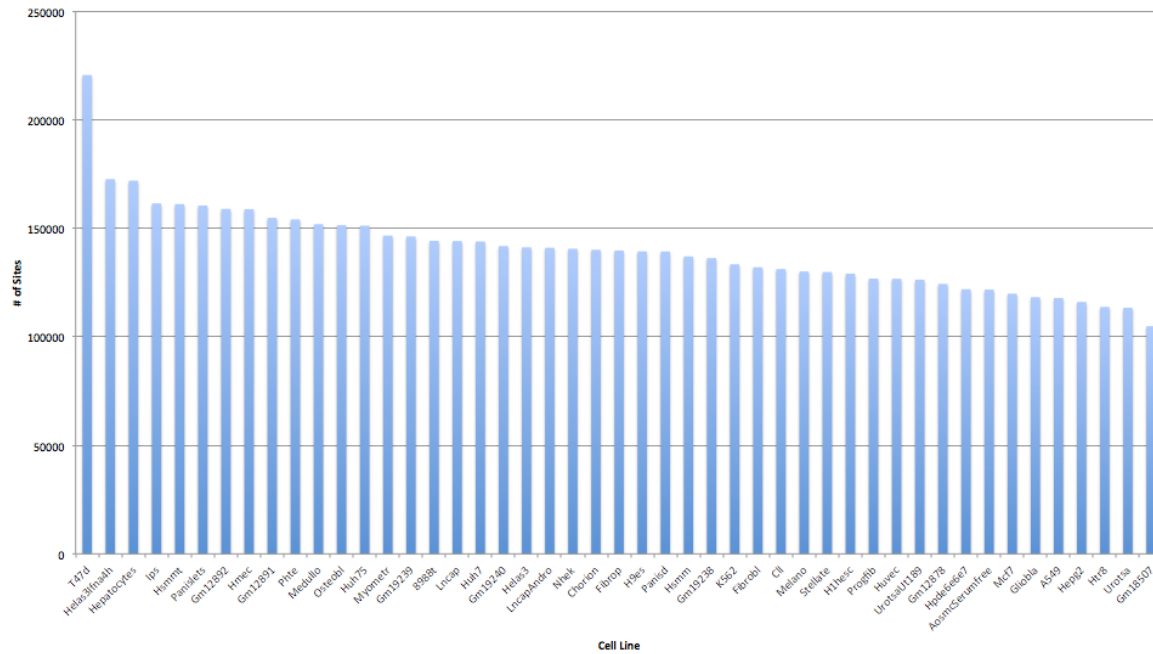
Fraction of Variants that Map to Other Regions



Total Variants



Duke Cell Lines Ordered by Non-genic TSS-Distal DHS Site Counts



UW Cell Lines Ordered by Non-genic TSS-Distal DHS Site Counts

