Encode Cancer

List of Encode Cancer Experiments

	ChIP-seq (TFs)	DNase-Seq (open chromatin)	FAIRE-seq (open chromatin)	Repli-Seq (replication timing)	RNA-Seq	RRBS (methylation)
Encode 2 Released	808	61	19	30	107	34
Encode 3 Released	218	13	0	0	60	0
Revoked	9	0	0	0	2	0
Total	1,035	74	19	30	169	34

Last Updated: 12/8/2015

- Curated w/ Shirley and Robert

- Total 73 human cancer cell line in Encode

- Most Encode 2 data is available to download, but very few Encode 3 data is released and available for download

- Plan on combining signal data to build covariate matrices -> publish and use for mutation rate correction

Data Use

- Data use policy for internal users: http://wiki.encodedcc.org/images/5/57/ENCODE-Internal_Data_Use_Policy-Jun27-14-sent_to_Consortium.docx

  *"Any data or analysis that was produced by previous editions of ENCODE, or ENCODE 3 data or analyses that are published at the time when a Consortium member or group will be submitting a paper, may be used without restriction. However, if a group wants to publish results based in whole or in part on **unpublished** data or analyses generated by another ENCODE group, the authors are **required to consult with the PI** from the group that generated these data or analyses to establish a mutually agreeable path towards timely publication."*

- Upcoming change: uniformly processed ChIP-Seq data

  http://www.encodeproject.org/experiments/ENCSR069XHI/

  https://www.encodeproject.org/experiments/ENCSR932KWJ/

- We need to think about how to combine replicates and normalize across cell lines for other experiments