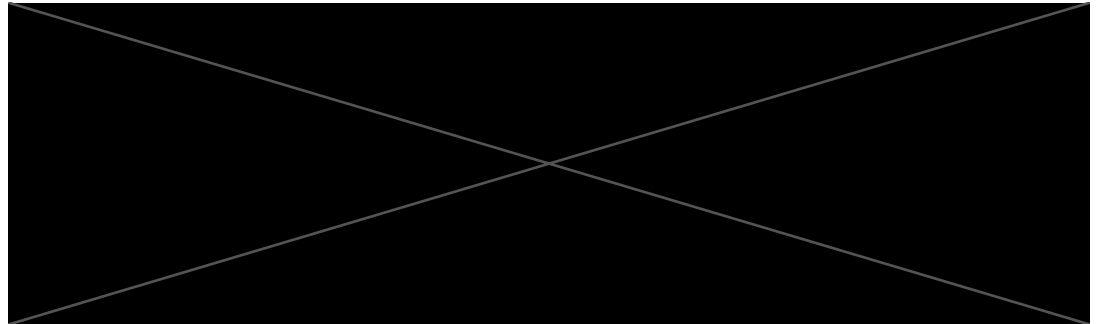


- ▼ Analysis Overview
- Status
- Thumbnails
- Display All
- Read Segmentation
- Read Statistics
- Cell Statistics
- Transcript Statistics
- Data

Display All



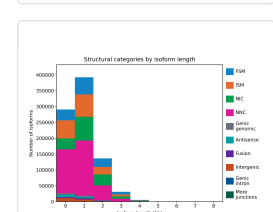
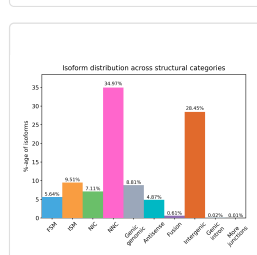
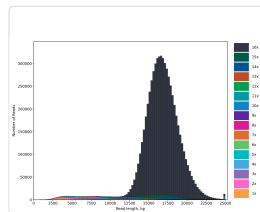
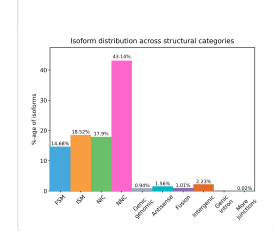
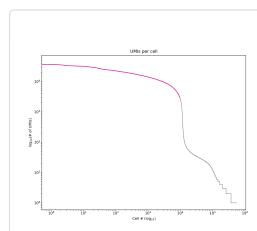
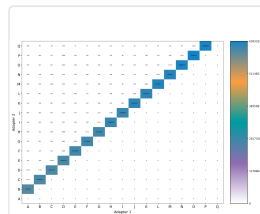
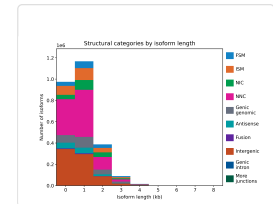
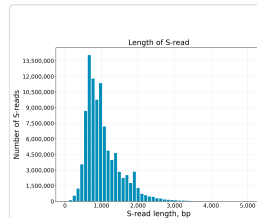
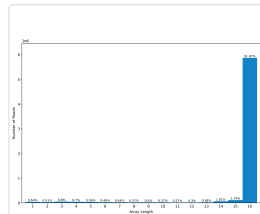
Application Read Segmentation and Single-Cell Iso-Seq
SMRT Link Version 13.1.0.217859
Inputs

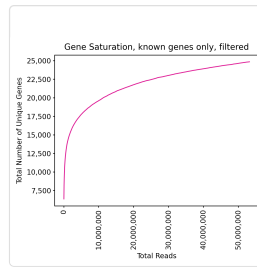
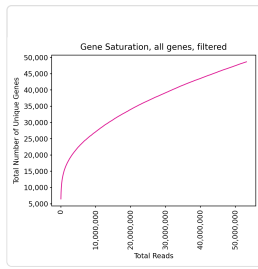
Data Type	Name	Import Com
BarcodeSet	Barcode Sets: 10X Chromium single cell 5' c...	Yes
BarcodeSet	Barcode Sets: MAS-Seq Adapter v1 (MAS16)	Yes
ConsensusReadSet	HiFi Reads: 5pHG2_ILNActl_20ngul_3-in-5...	Yes
ReferenceSet	References: Human Genome hg38, with Ge...	Yes



► Analysis Parameters

Thumbnails

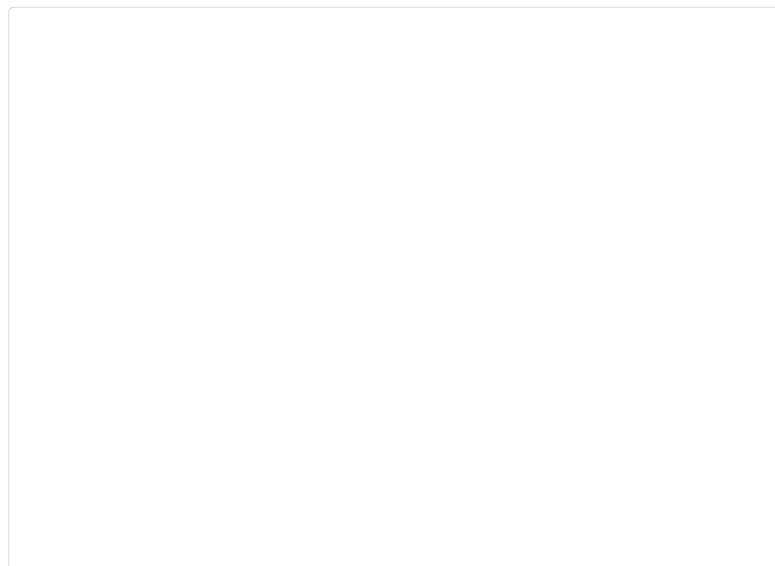
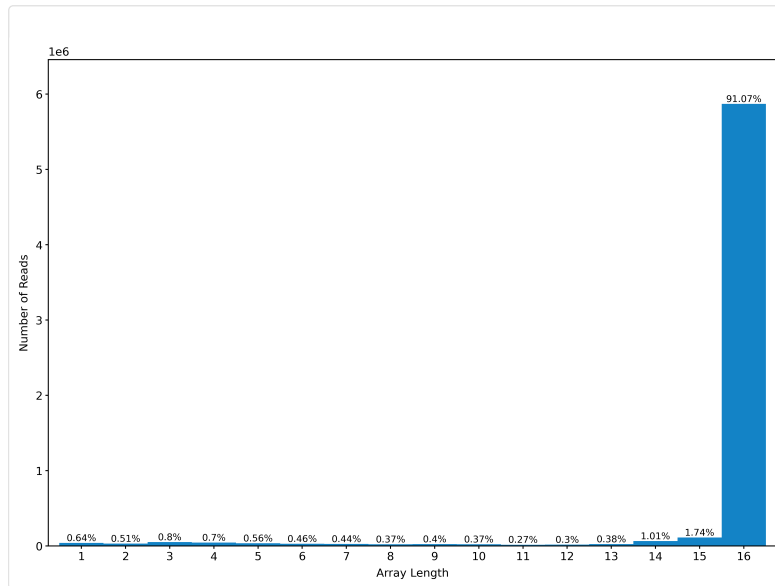


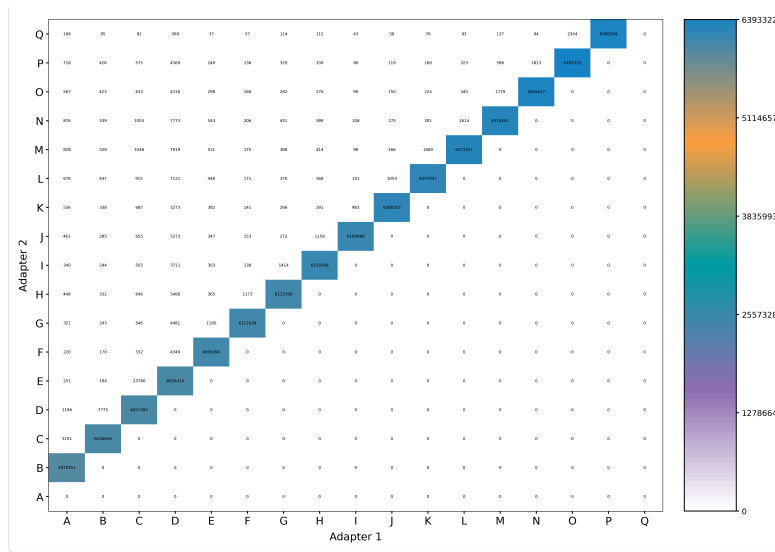


Read Segmentation

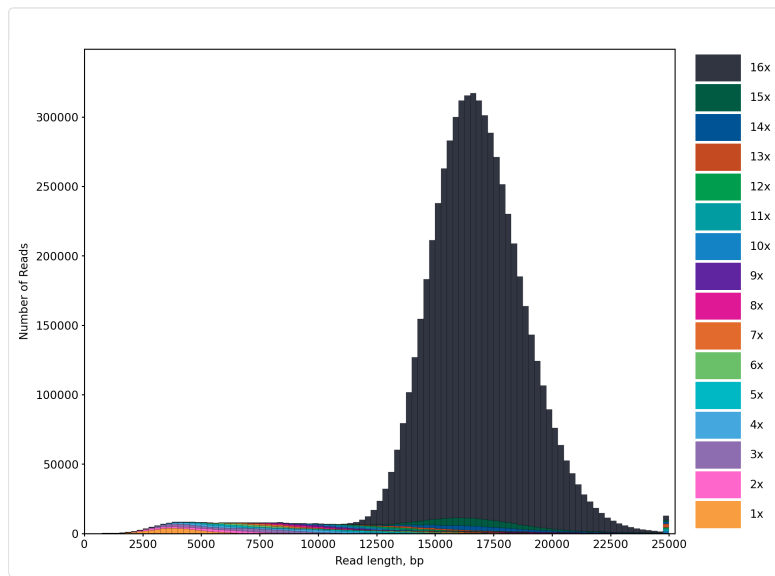
Value	Analysis Metric
6,460,787	Reads
98,964,035	Segmented reads (S-reads)
1,039	Mean length of S-reads
90.91 %	Percent of reads with full arrays
15.32	Mean array size (concatenation factor)

Segmentation Statistics

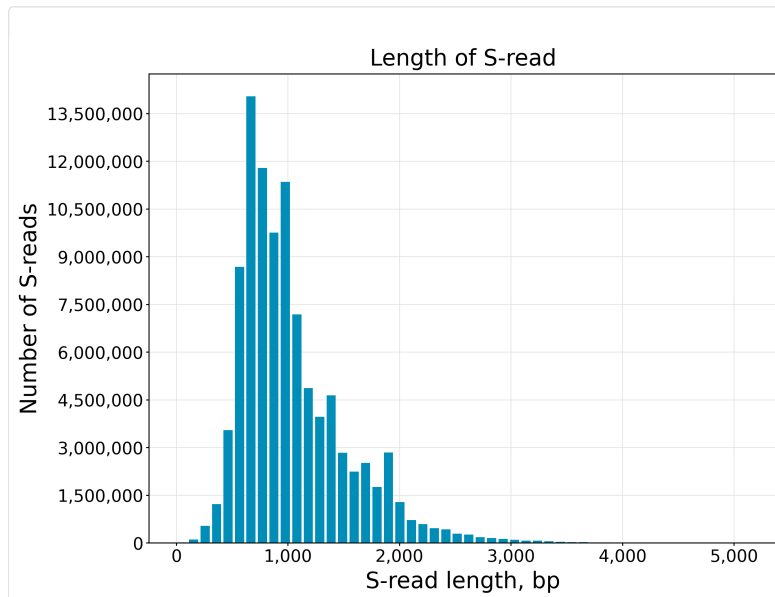




Length of Reads



S-read Length Distribution



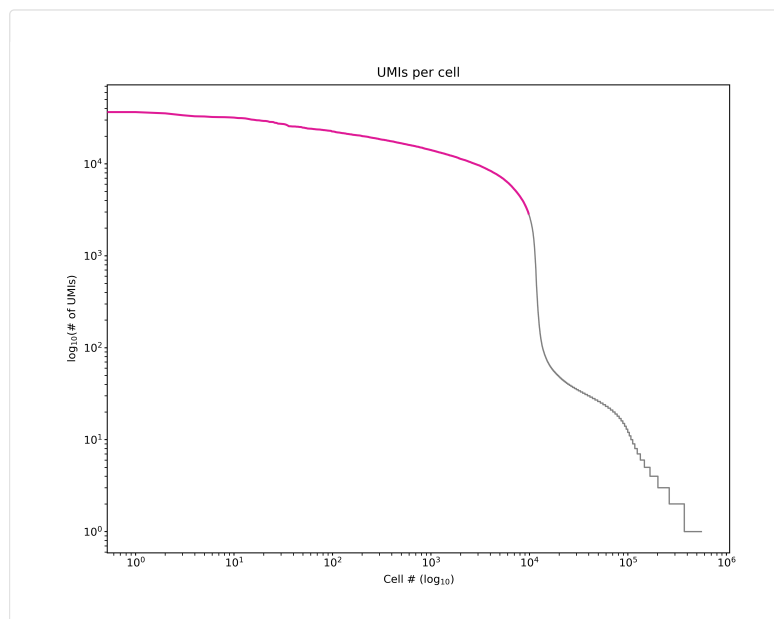
Read Statistics

Value	Analysis Metric
98,964,035	Reads
SEGMENT	Read Type
98,121,304	Reads with 5' and 3' Primers with extracted UMIs and Barcodes
97,293,024	Non-Concatamer Reads with 5' and 3' Primers and Poly-A Tail (FLNC reads)
93,581,795	FLNC Reads with Valid Barcodes
96,607,591	FLNC Reads with Valid Barcodes, corrected
82,910,986	Reads after Barcode Correction and UMI Deduplication

Cell Statistics

Value	Analysis Metric
9,738	Estimated Number of Cells
91.29%	Reads in Cells
9,121	Mean Reads per Cell
7,449	Median UMIs per Cell

Barcode Rank Plot



Transcript Statistics

Value	Analysis Metric
76,376,935	FLNC Reads Mapped Confidently to Genome
55,567,141	FLNC Reads Mapped Confidently to Transcriptome

Value	Analysis Metric
802,498	Total Unique Genes
48,635	Total Unique Genes, filtered
31,718	Total Unique Genes, known genes only
24,843	Total Unique Genes, filtered, known genes only
2,324,198	Total Unique Transcripts
647,723	Total Unique Transcripts, filtered
86,139	Total Unique Transcripts, known transcripts only
75,569	Total Unique Transcripts, filtered, known transcripts only

Transcript Summary

Value ↑	Analysis Metric ↑
2,477	Median Genes per Cell
2,130	Median Genes per Cell, known genes only
3,031	Median Transcripts per Cell
1,842	Median Transcripts per Cell, known transcripts only
802,498	Total Unique Genes
31,718	Total Unique Genes, known genes only
2,324,198	Total Unique Transcripts
86,139	Total Unique Transcripts, known transcripts only

Transcript Summary, filtered

Value ↑	Analysis Metric ↑
1,706	Median Genes per Cell
1,695	Median Genes per Cell, known genes only
2,042	Median Transcripts per Cell
1,628	Median Transcripts per Cell, known transcripts only
48,635	Total Unique Genes
24,843	Total Unique Genes, known genes only
647,723	Total Unique Transcripts
75,569	Total Unique Transcripts, known transcripts only

Transcript Classification

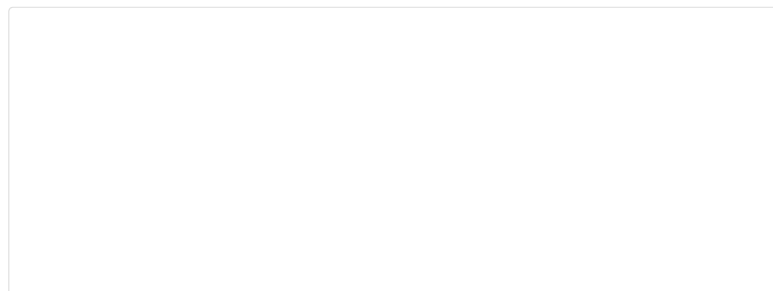
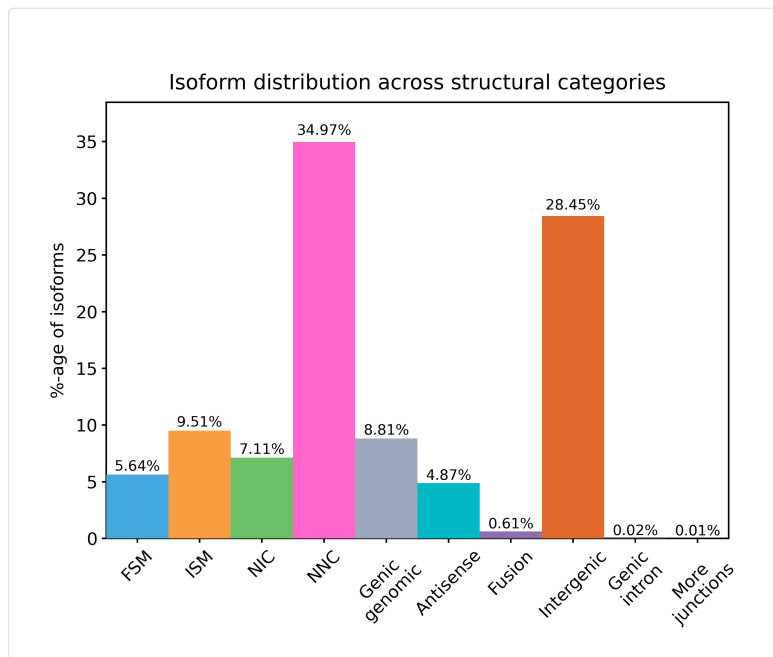
Category ↑	Count ↑	CAGE Detected ↑	CAGE Detected ... ↑	polyA Motif Det... ↑	p
FSM	148876	90891	61.05%	51539	
ISM	250813	117227	46.73%	74872	
NIC	187621	131831	70.26%	70867	

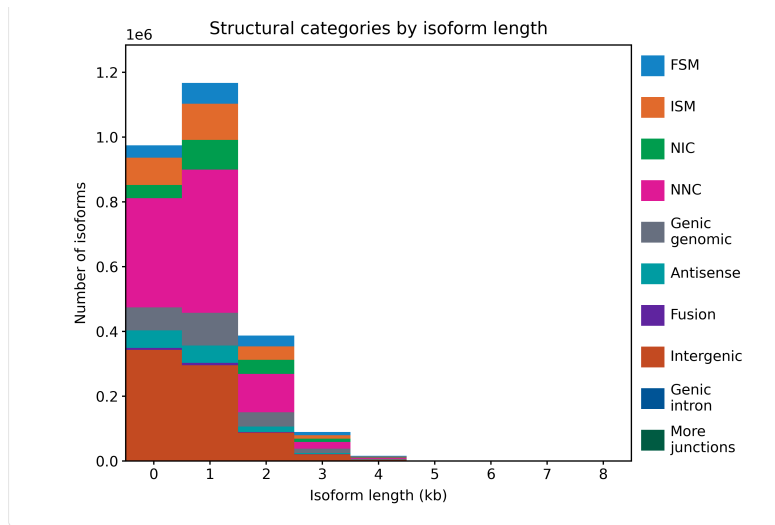
NNC	922413	625809	67.84%	399143
Antisense	128364	5263	4.10%	39291
Fusion	16064	9324	58.04%	7701
More junctions	282	166	58.86%	151
Genic intron	581	1	0.17%	166
Genic genomic	232419	62275	26.79%	66651
Intergenic	750315	7913	1.05%	231971

Transcript Classification, filtered

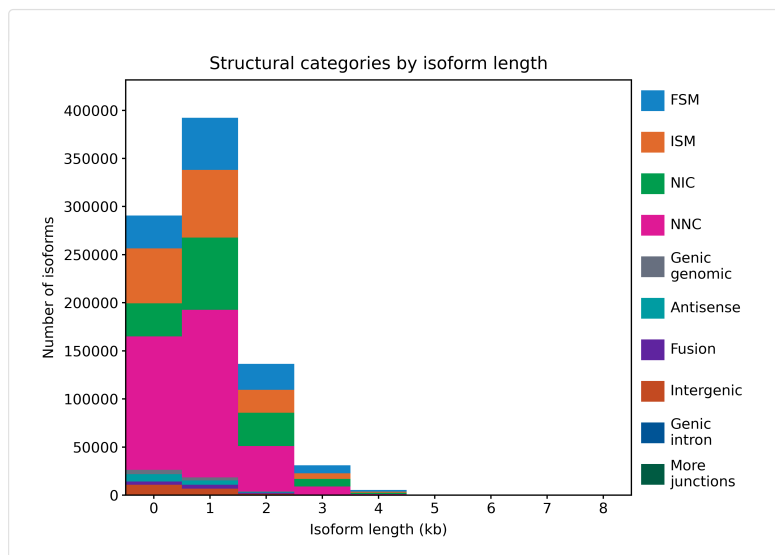
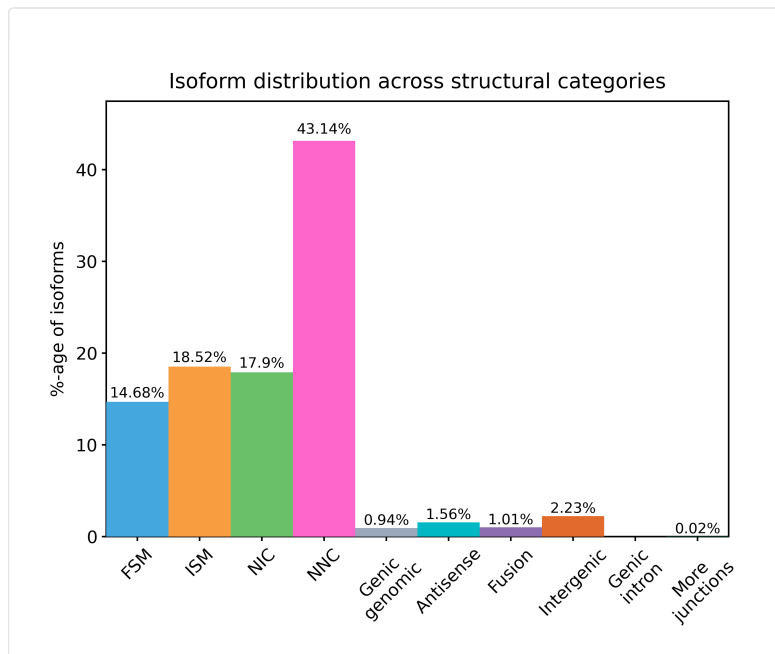
Category ↓↑	Count ↓↑	CAGE Detected ↓↑	CAGE Detected, ... ↓↑	polyA Detected ↓↑	p
FSM	125681	78724	62.63%	51539	
ISM	158576	83726	52.79%	61769	
NIC	153325	108106	70.50%	69981	
NNC	369421	246220	66.65%	184986	
Antisense	13360	1666	12.47%	8148	
Fusion	8688	4786	55.08%	4772	
More junctions	206	120	58.25%	130	
Genic intron	0	0	0.00%	0	
Genic genomic	8089	4382	54.17%	3627	
Intergenic	19065	2021	10.60%	12970	

Transcript Classification Plots





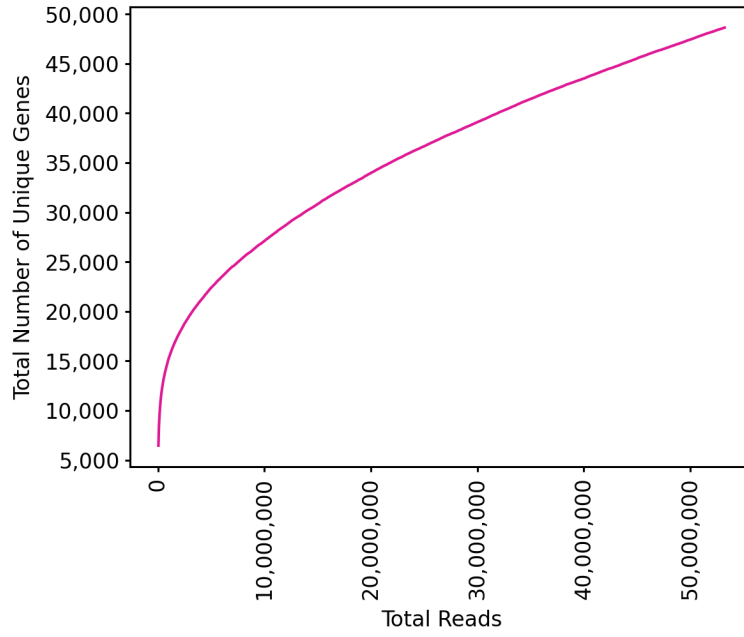
Transcript Classification Plots, filtered



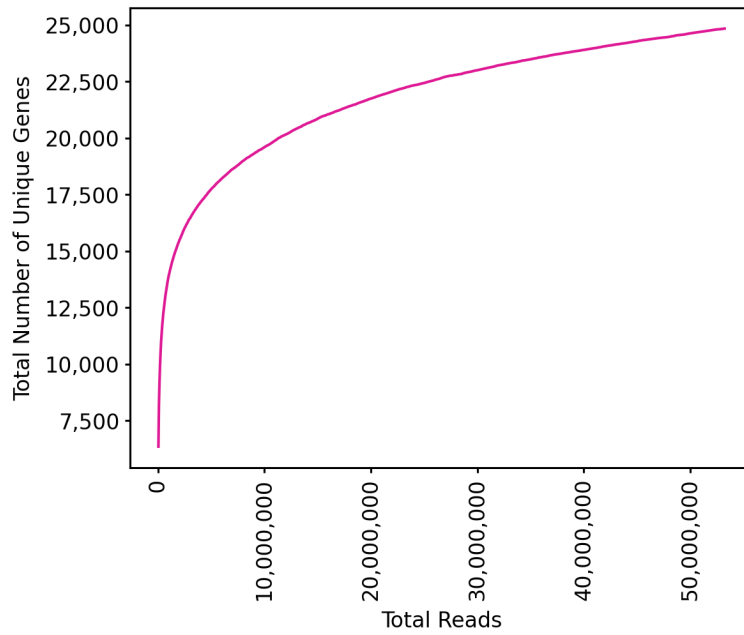
Gene Saturation



Gene Saturation, all genes, filtered



Gene Saturation, known genes only, filtered



File Downloads

Example:analysis-Bio Sample 2-110676

