

*SQANTI report*

*# Genes: 4*

*# Isoforms: 8*

*Gene classification*

category	# genes
Annotated Genes	4
Novel Genes	0

*SJ classification*

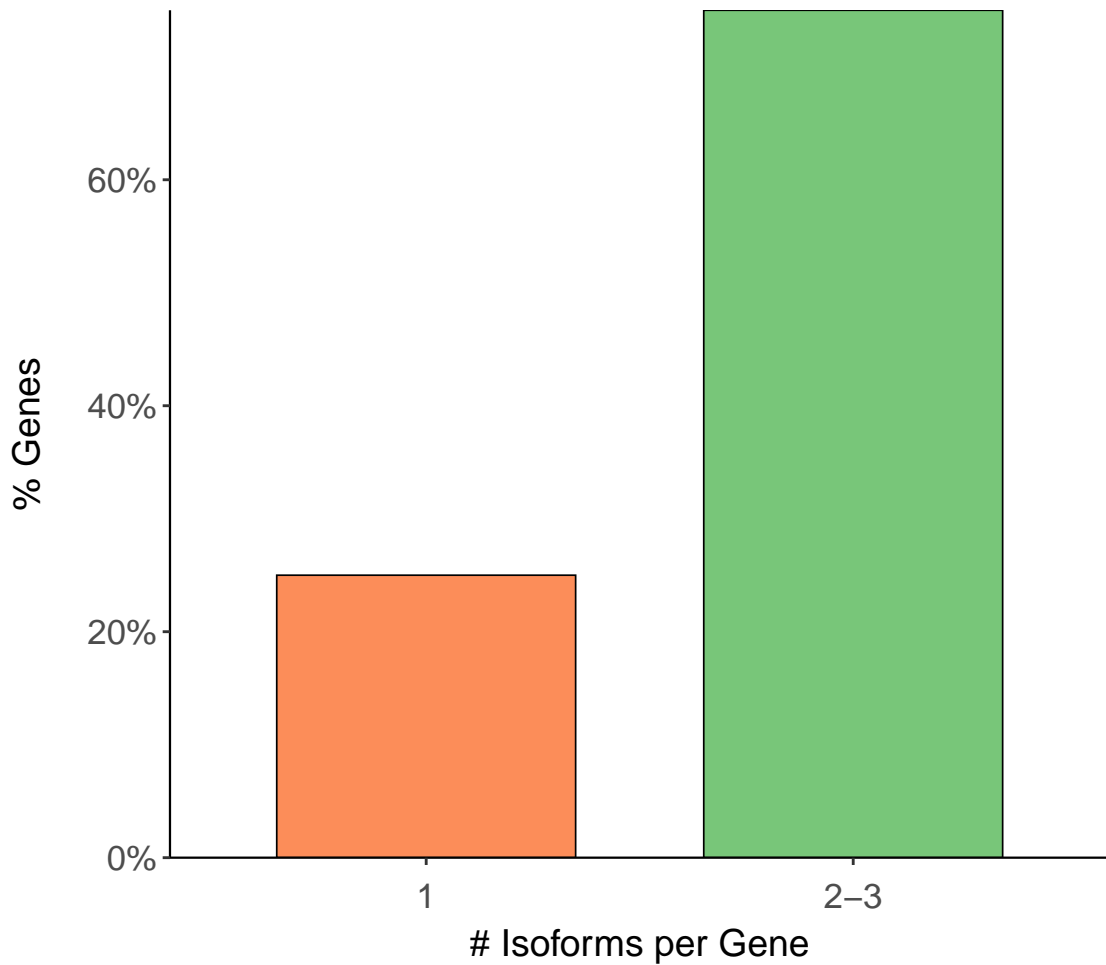
category	# SJ
Known canonical	9
Known Non–canonical	0
Novel canonical	0
Novel Non–canonical	1

*Characterization of transcripts  
based on splice junctions*

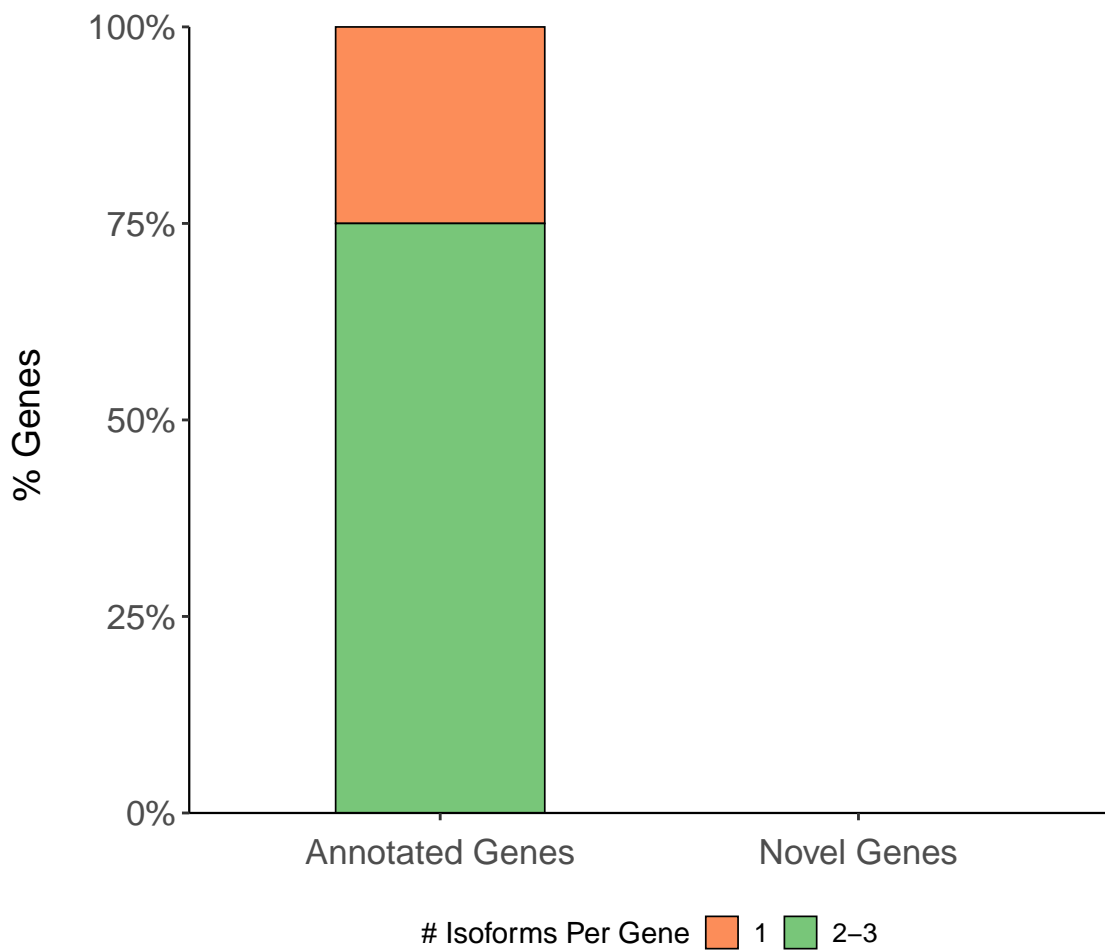
category	# isoforms
FSM	6
NNC	2
ISM	0
NIC	0
Genic Genomic	0
Antisense	0
Fusion	0
Intergenic	0
Genic Intron	0

*Gene characterization*

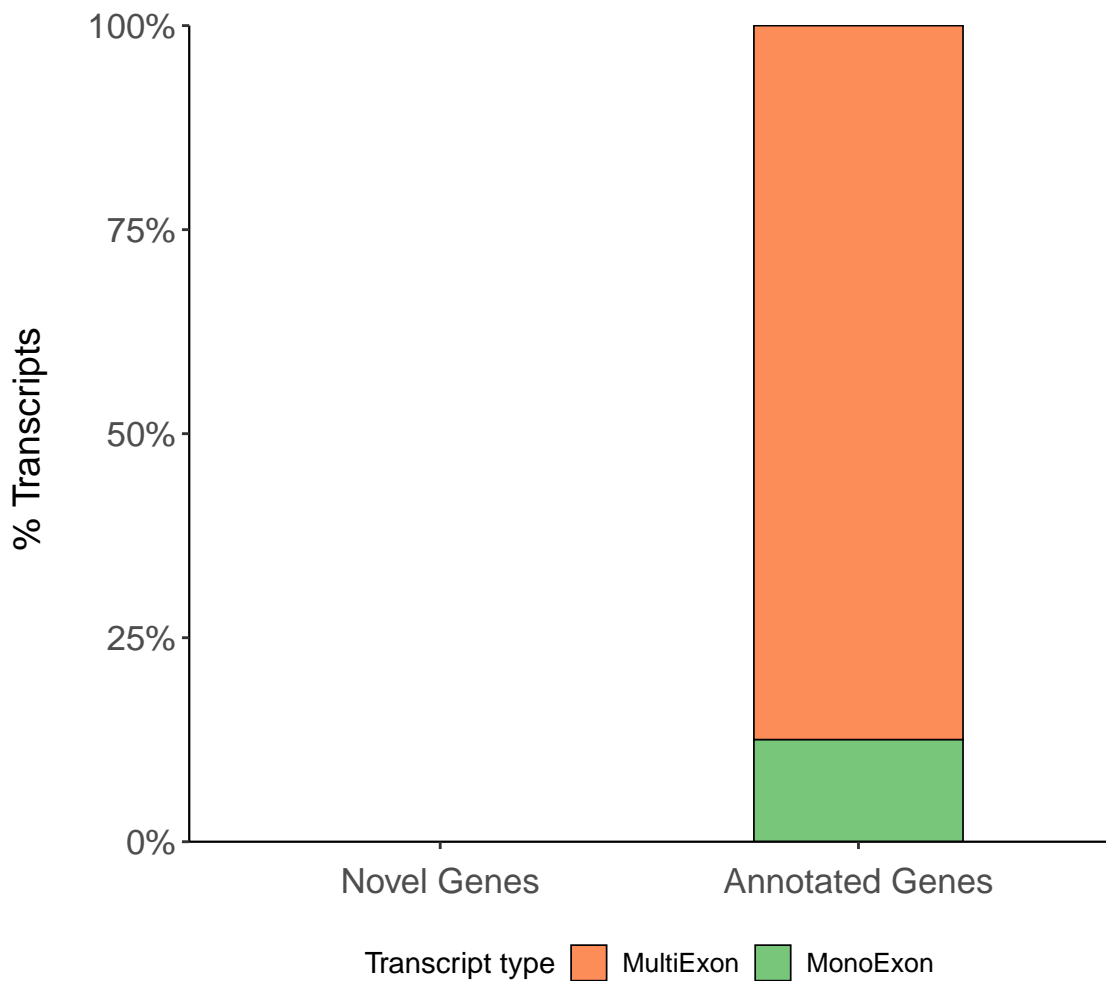
Distribution of isoforms per gene



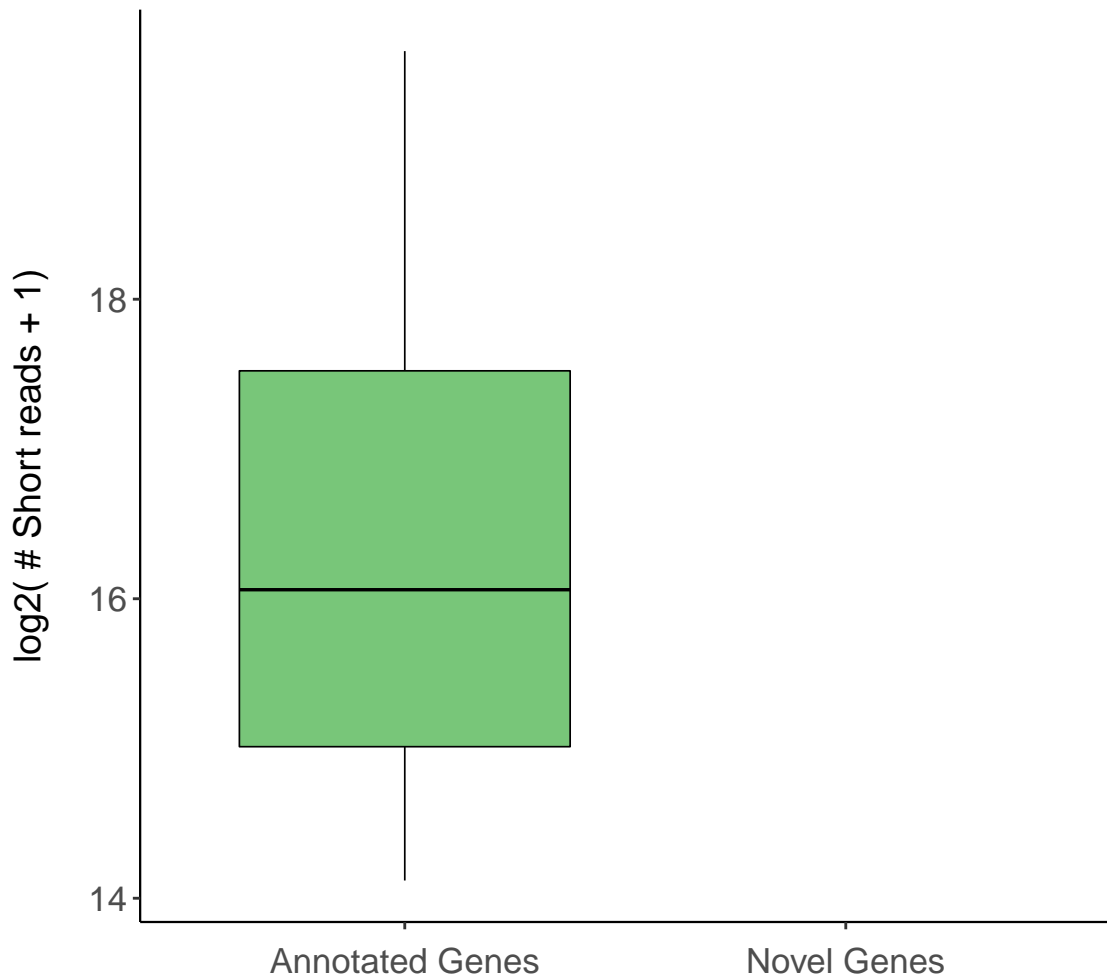
Distribution of number of isoforms



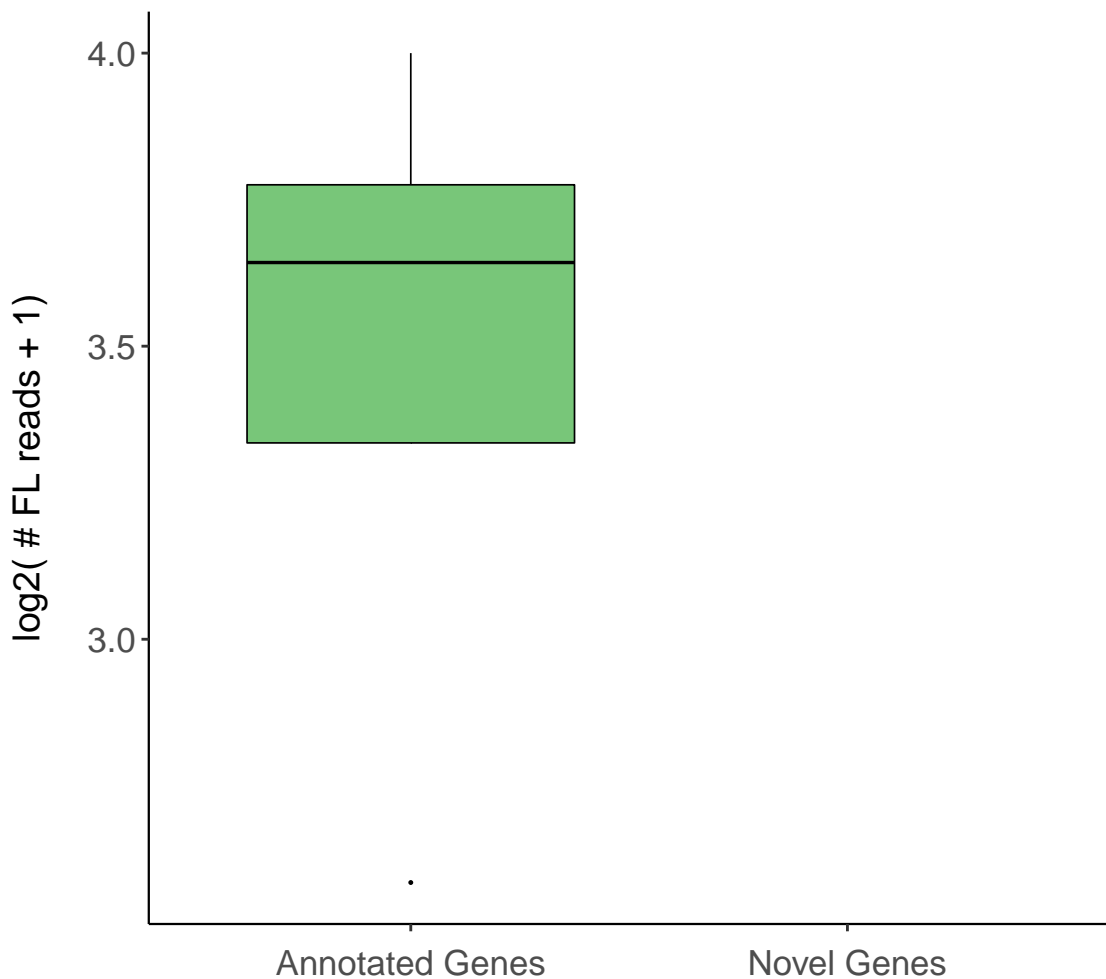
Distribution of mono/multi exon transcripts



Gene expression by type of gene annotation

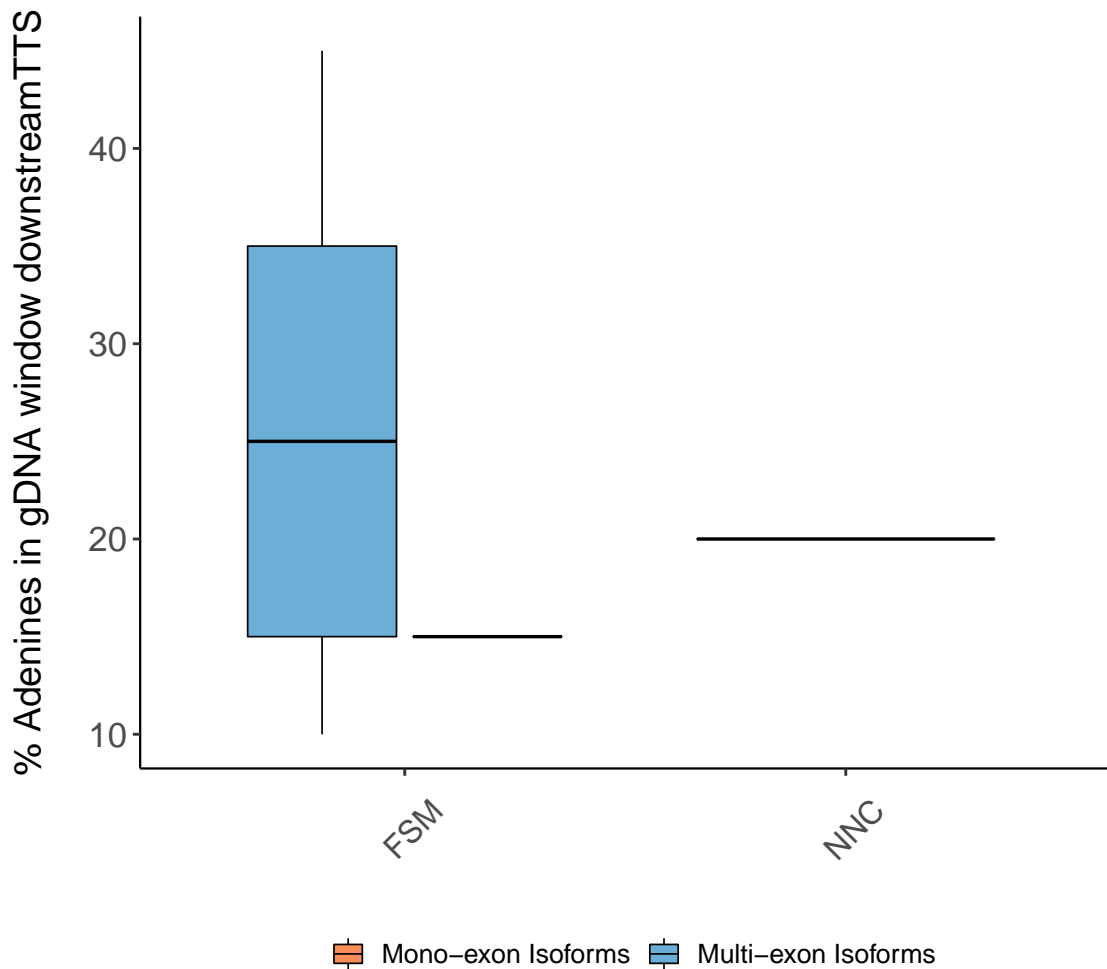


Number of FL reads per Gene by type of gene annotation

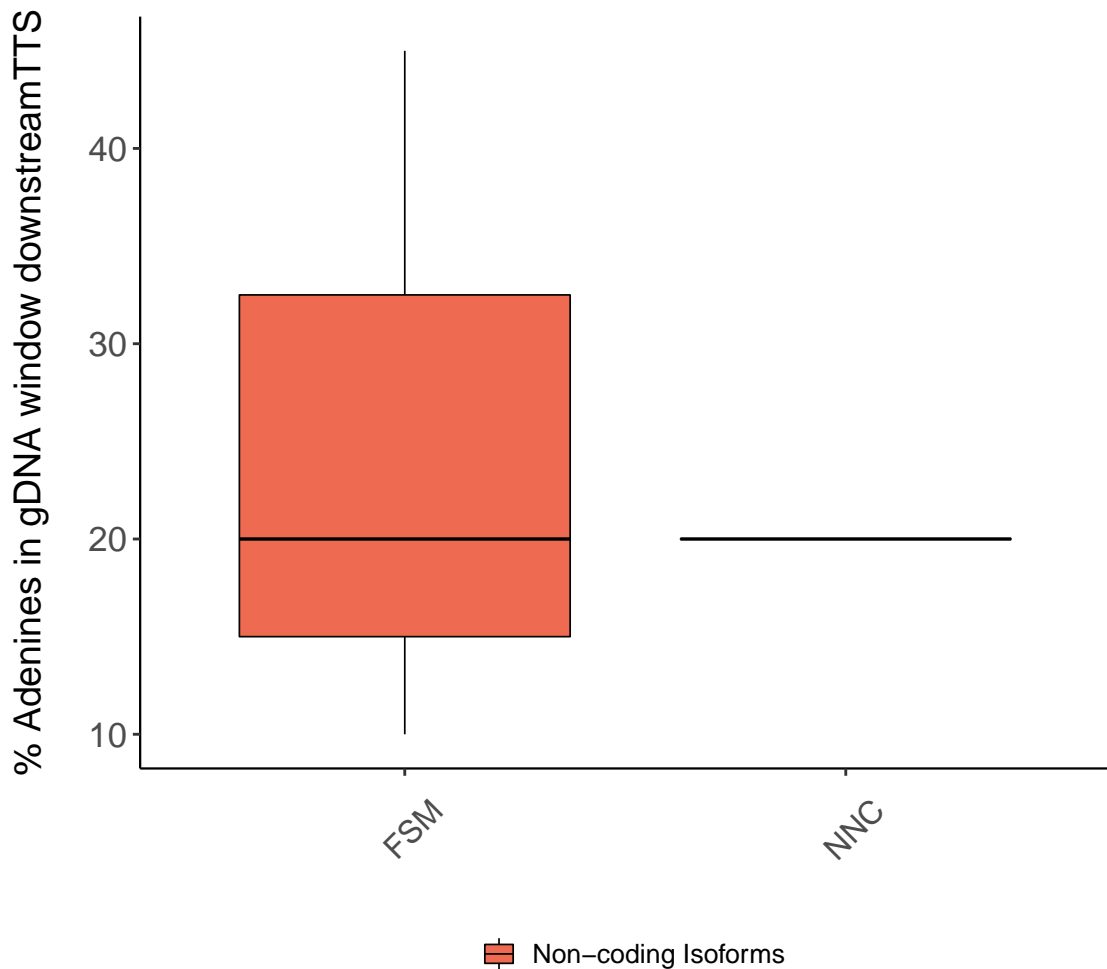




# Adenine enrichment downstream TTS (intra primming)

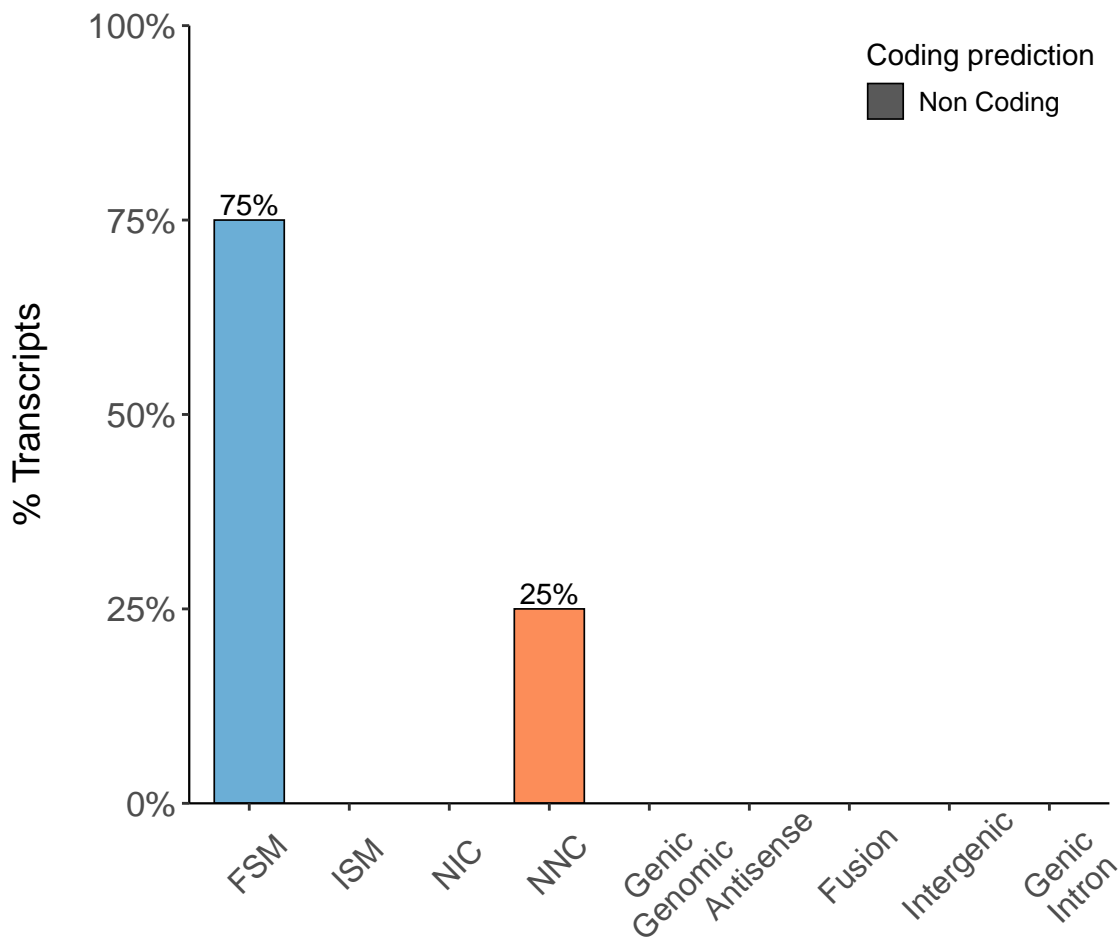


# Adenine enrichment downstream TTS (intra primming)

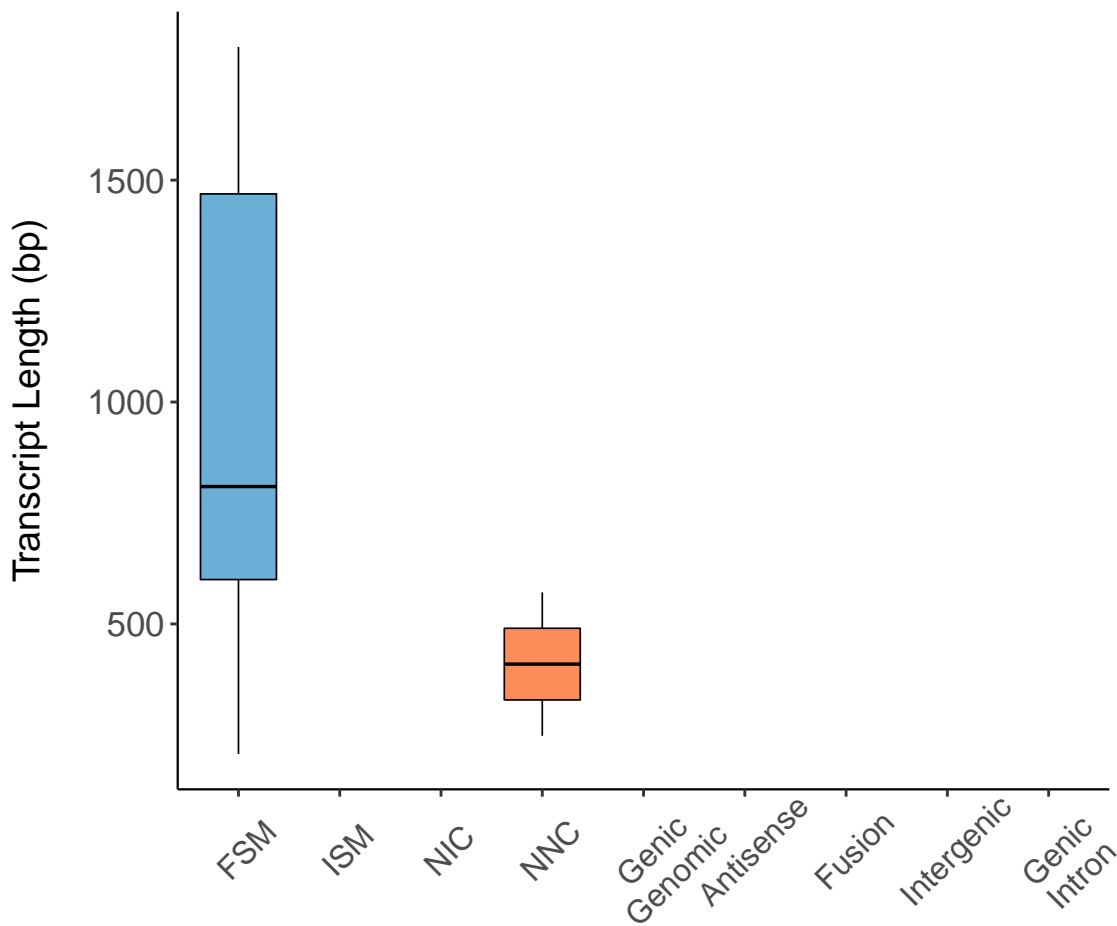


*Structrual Isoform characterization  
based on splice junctions*

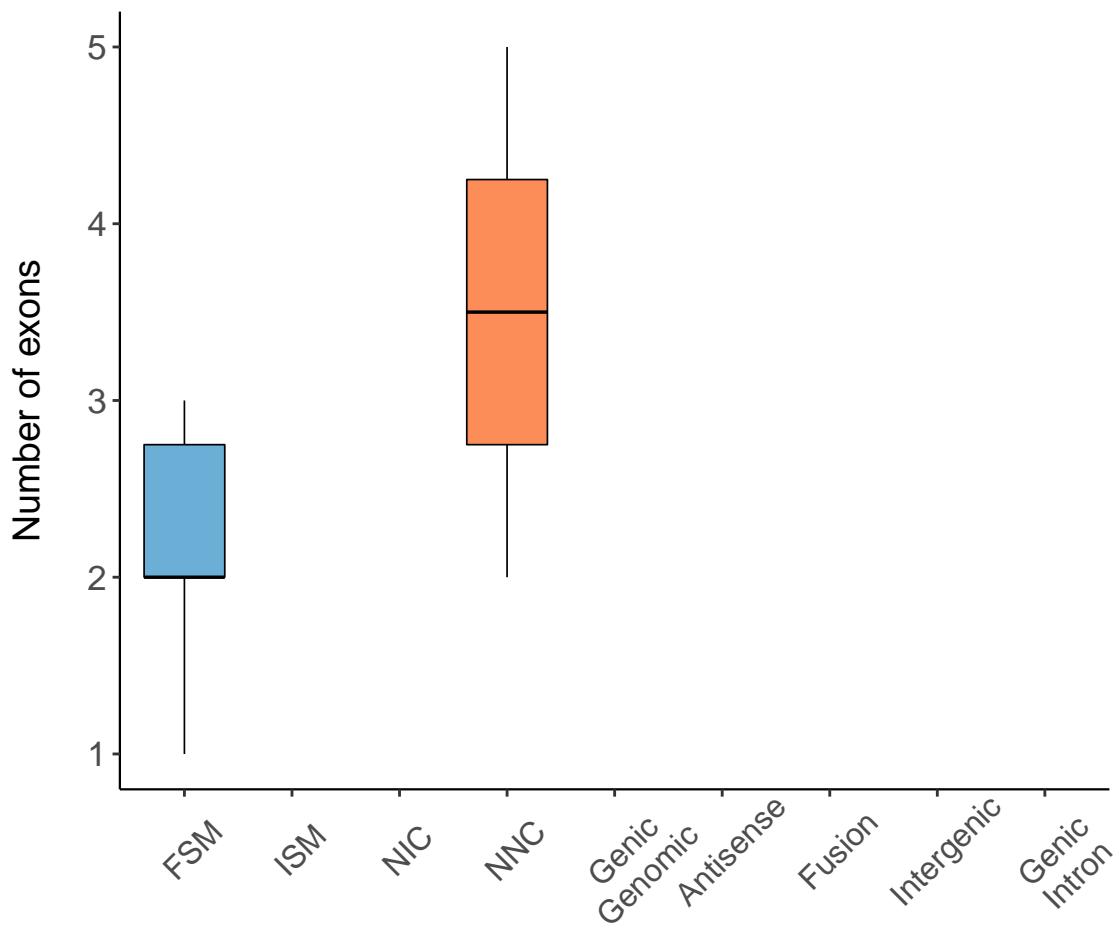
Isoform distribution across structural categories



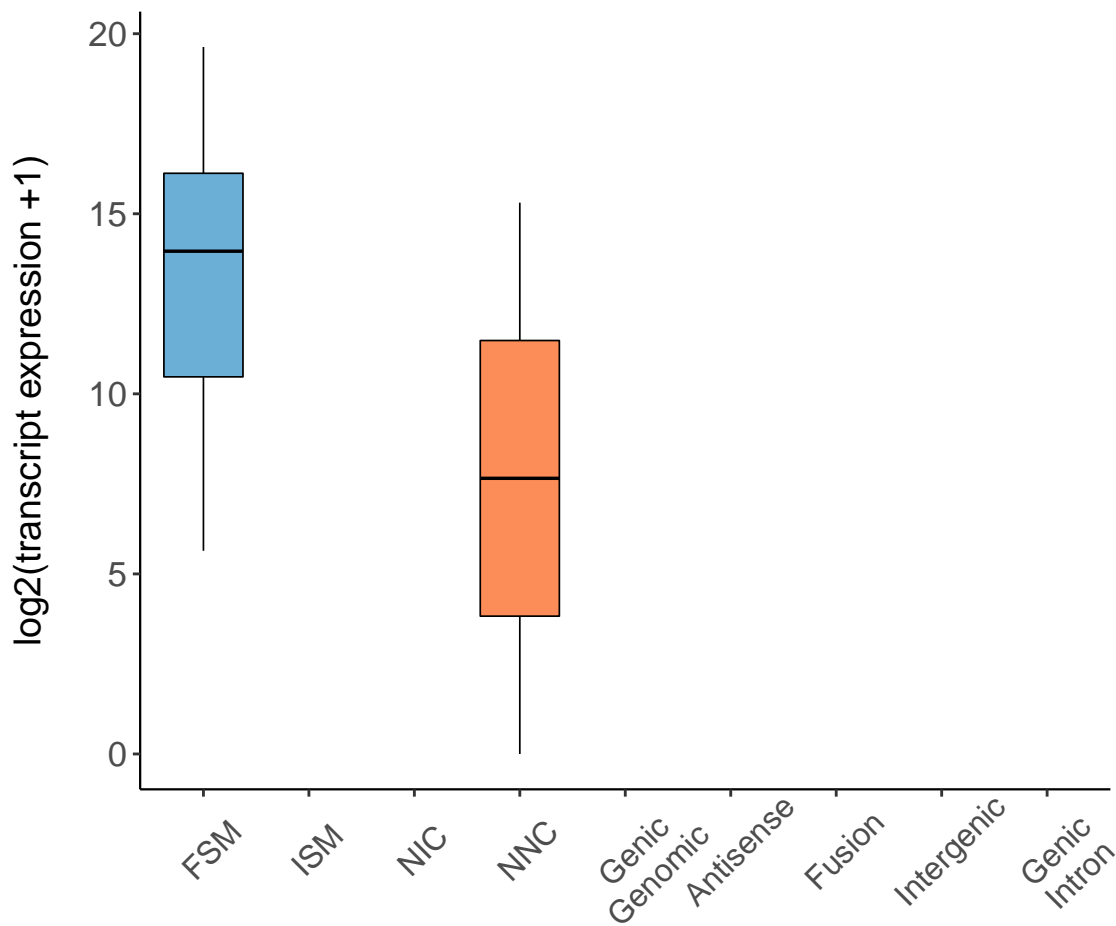
Transcript length distribution by structural classification



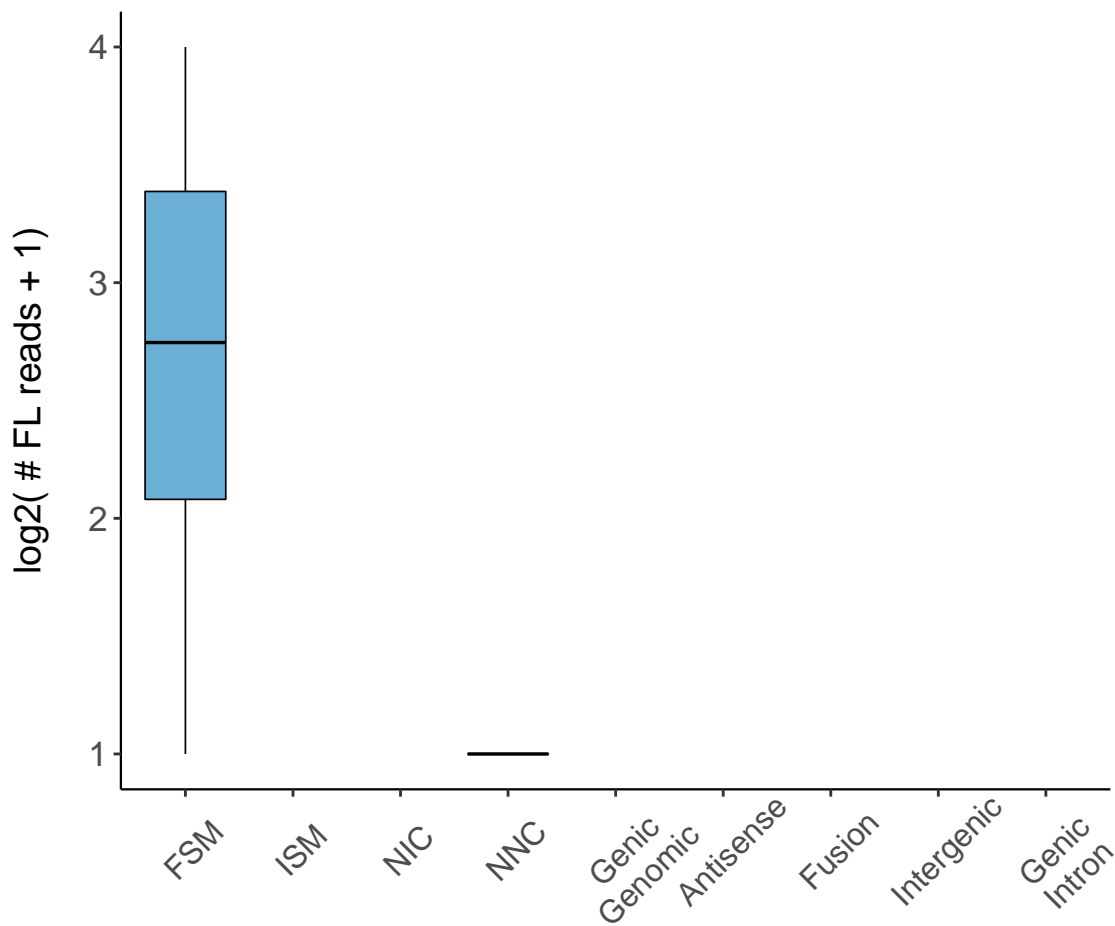
Exon number distribution by structural classification



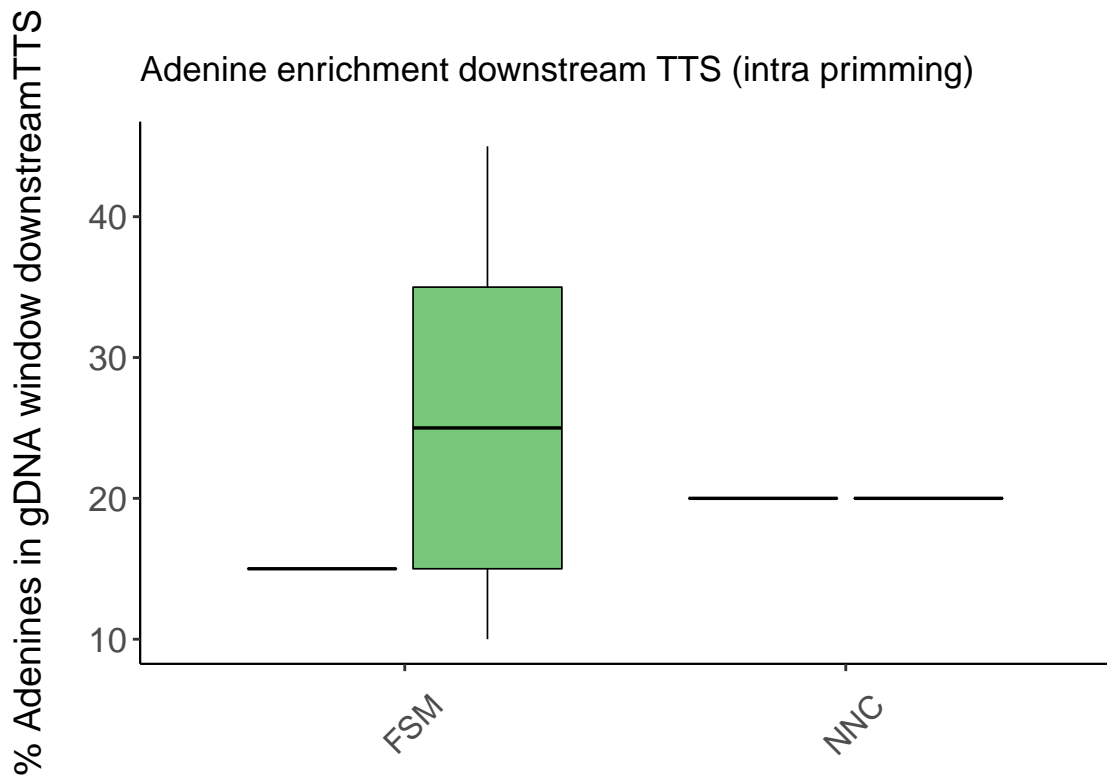
Transcript expression by structural category



Number of FL reads per transcript by structural category



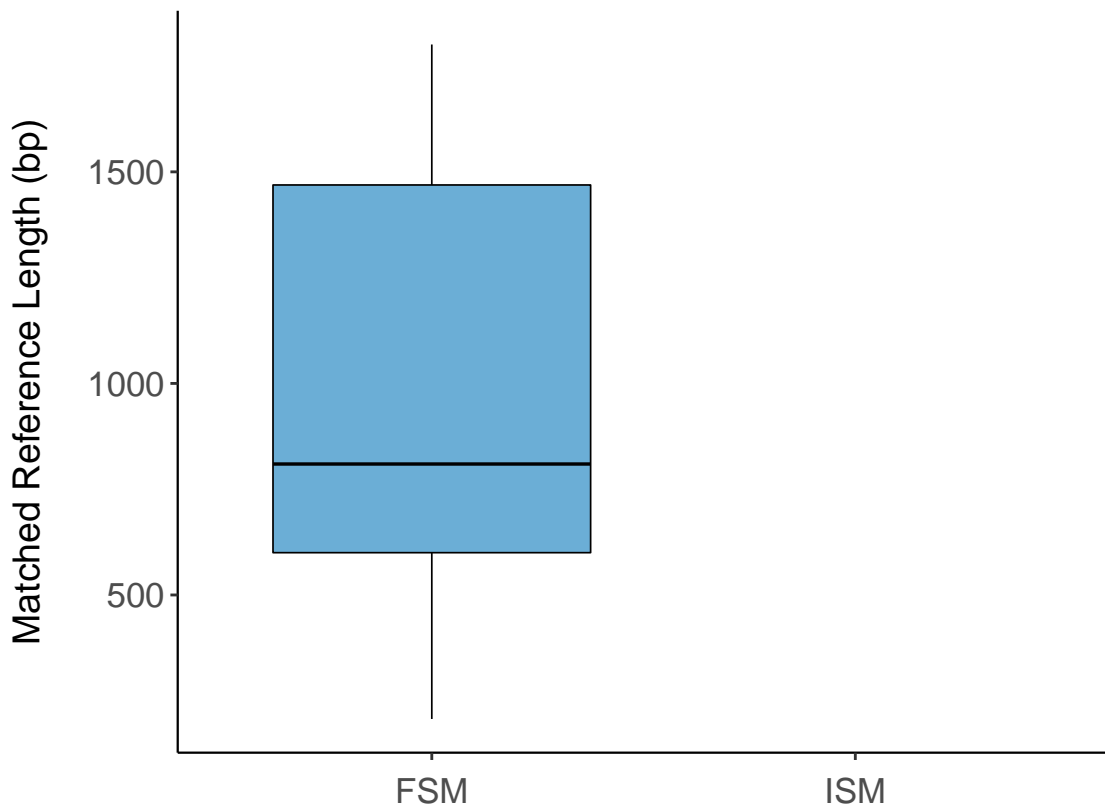




- Mono-exon
- Multi-exon
- Without annotated donors/acceptors
- At least one annotated donor/acceptor

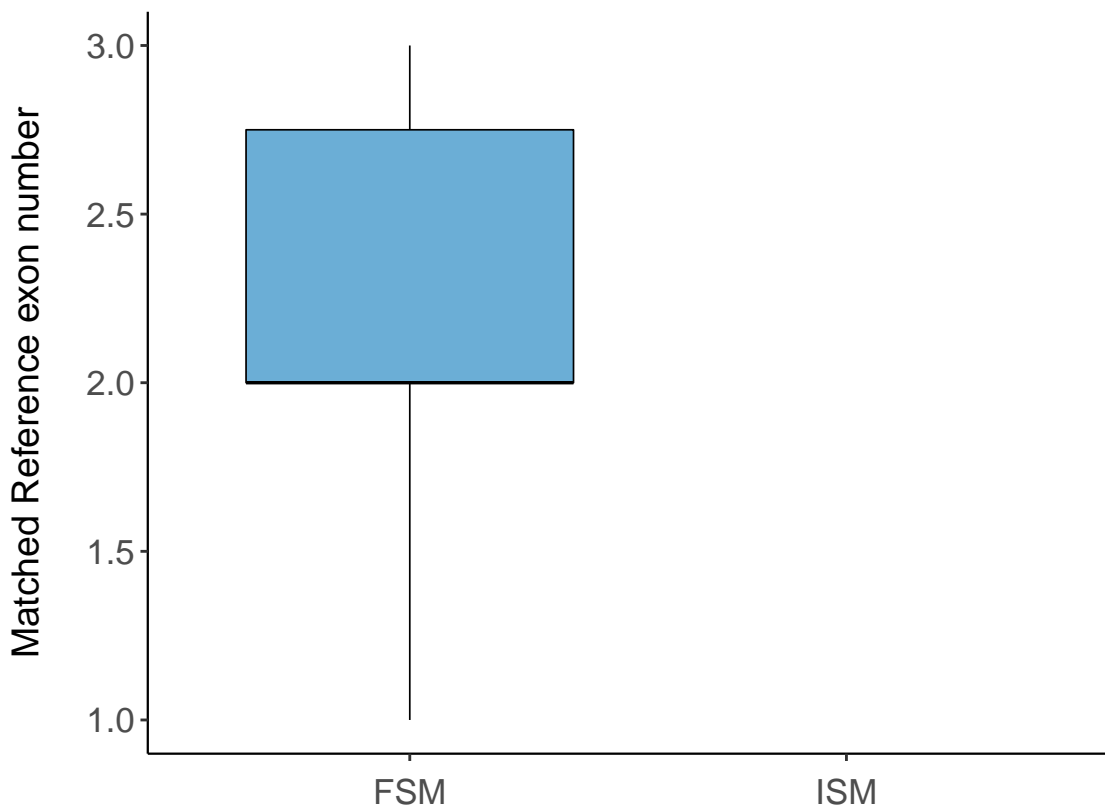
## Length distribution of matched reference transcripts

Just applicable to FSM and ISM categories

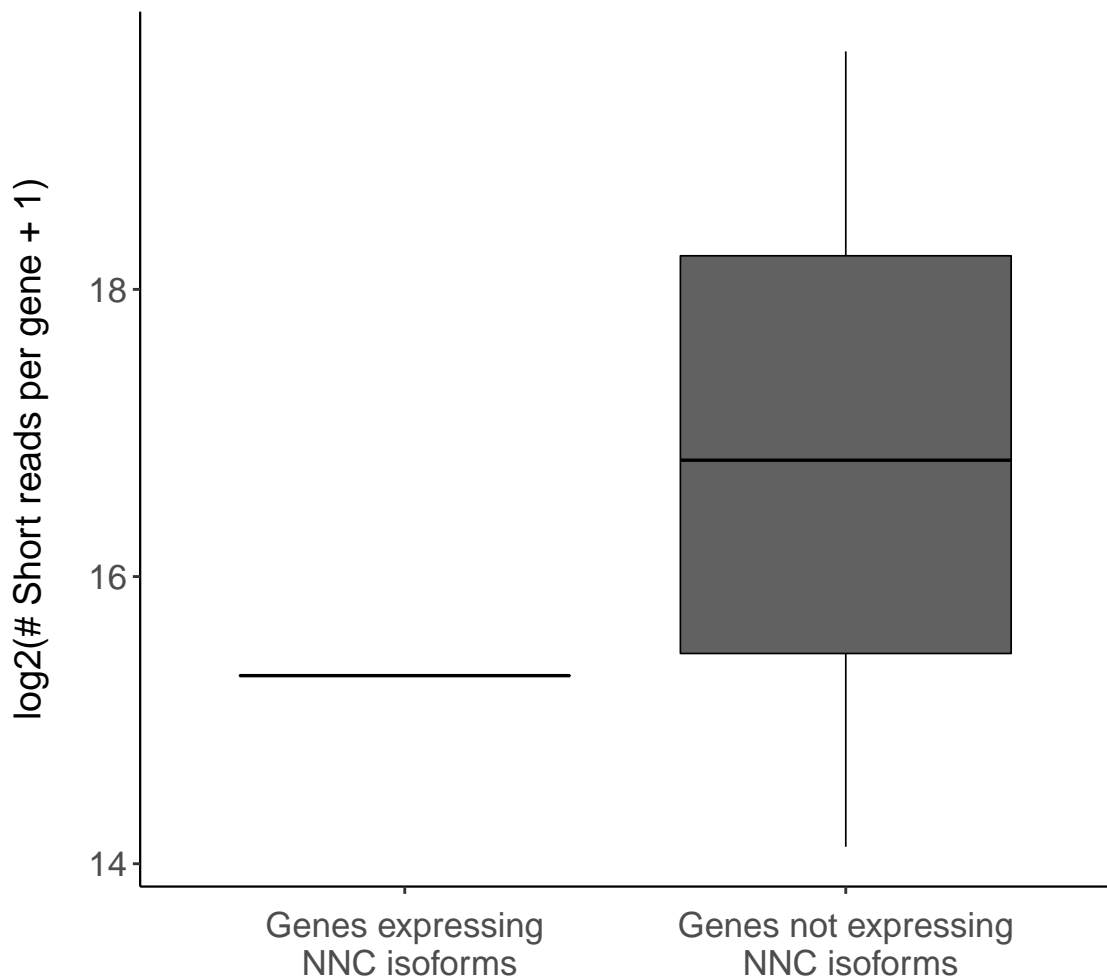


## Exon number distribution of matched reference transcripts

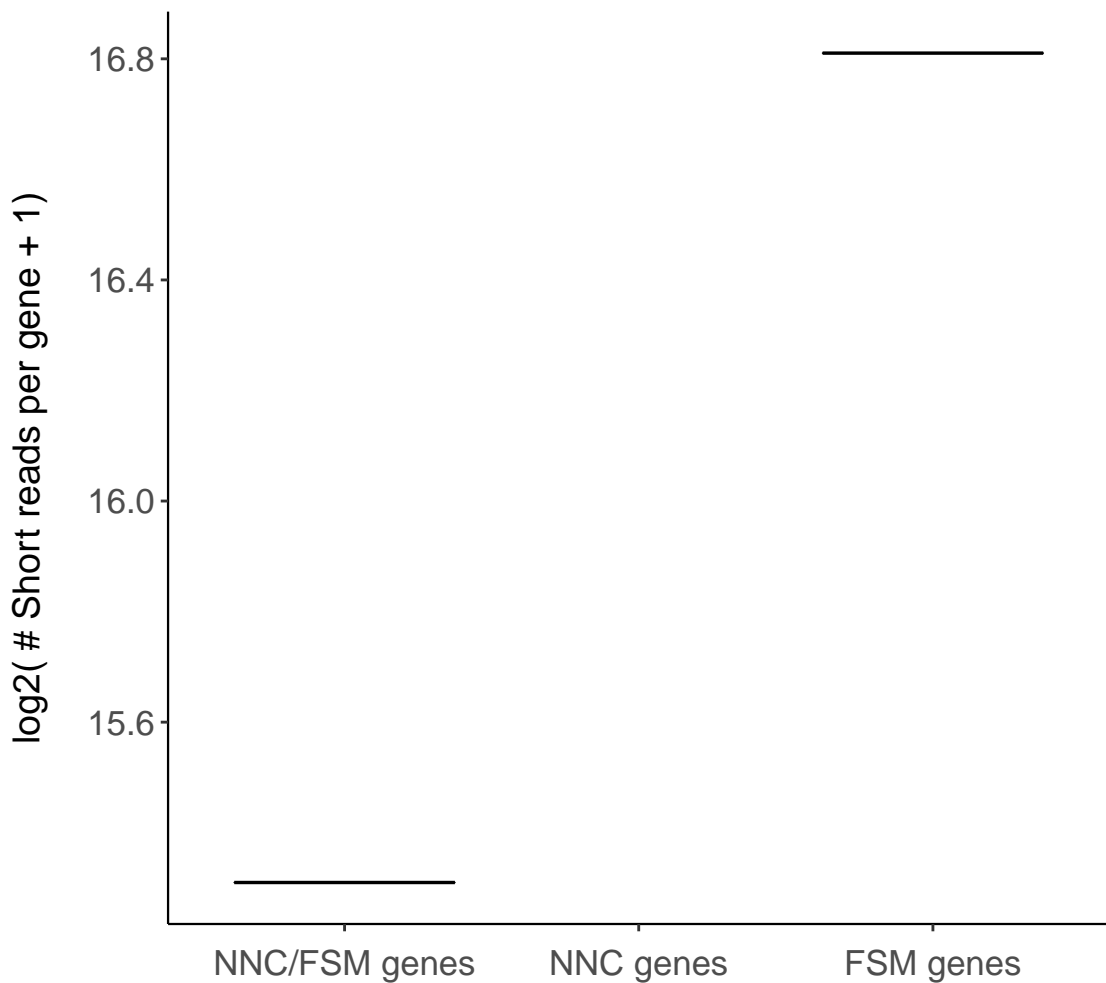
Just applicable to FSM and ISM categories



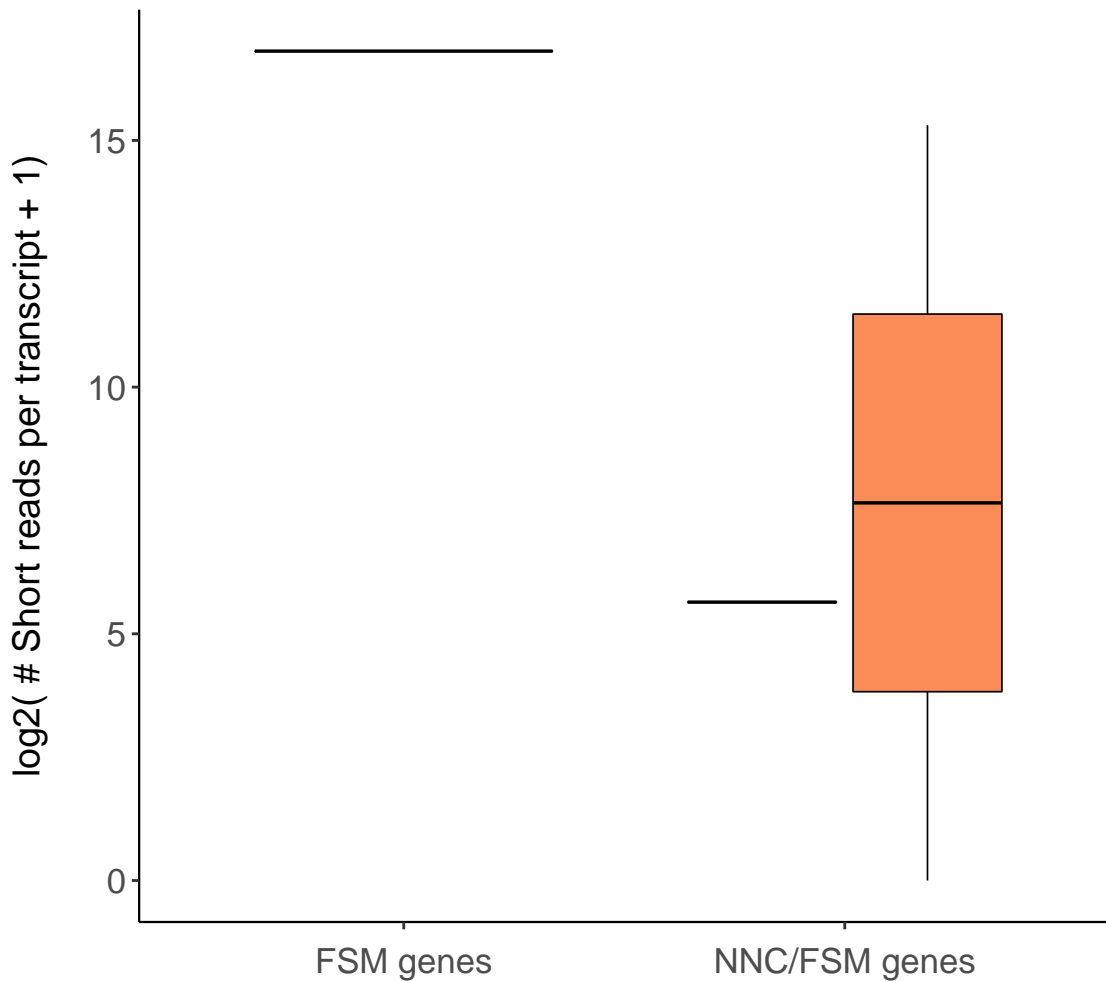
Gene expression levels between NNC and not NNC containing gene



# Gene expression level in NNC/FSM containing genes



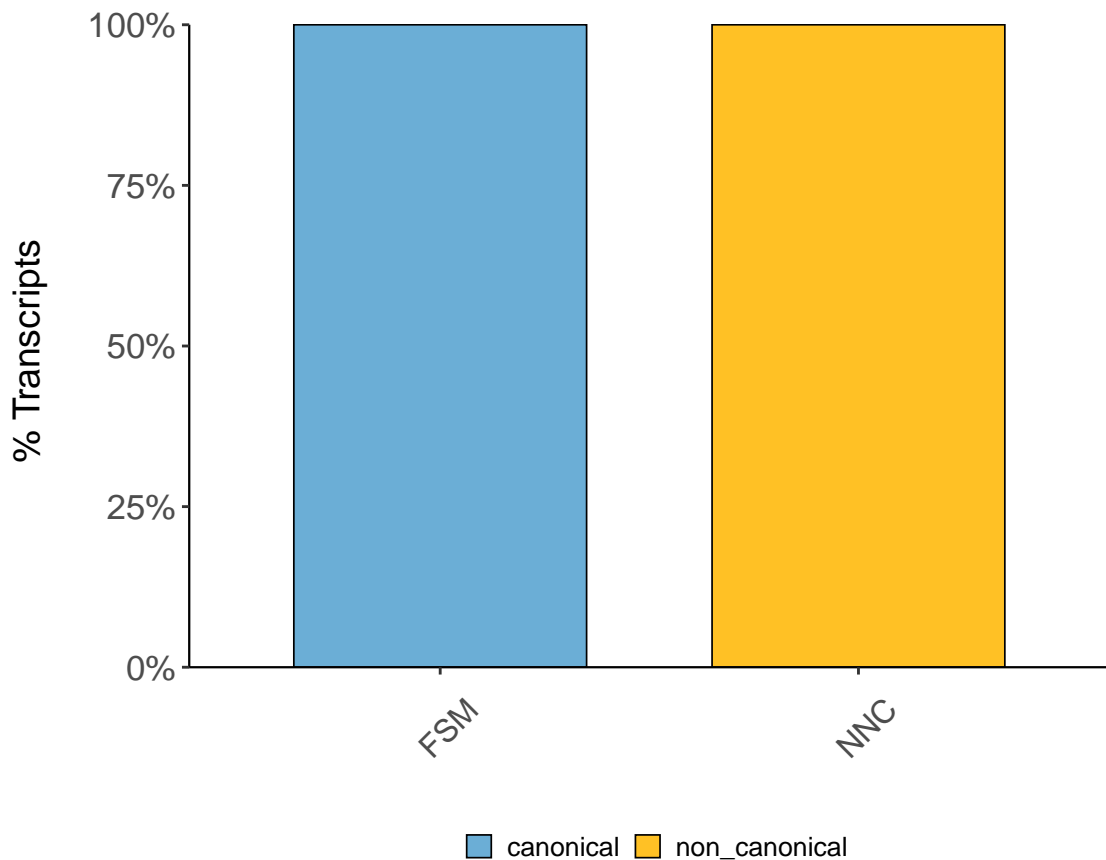
# Transcript expression level in NNC/FSM containing genes



*Splice junction characterization*

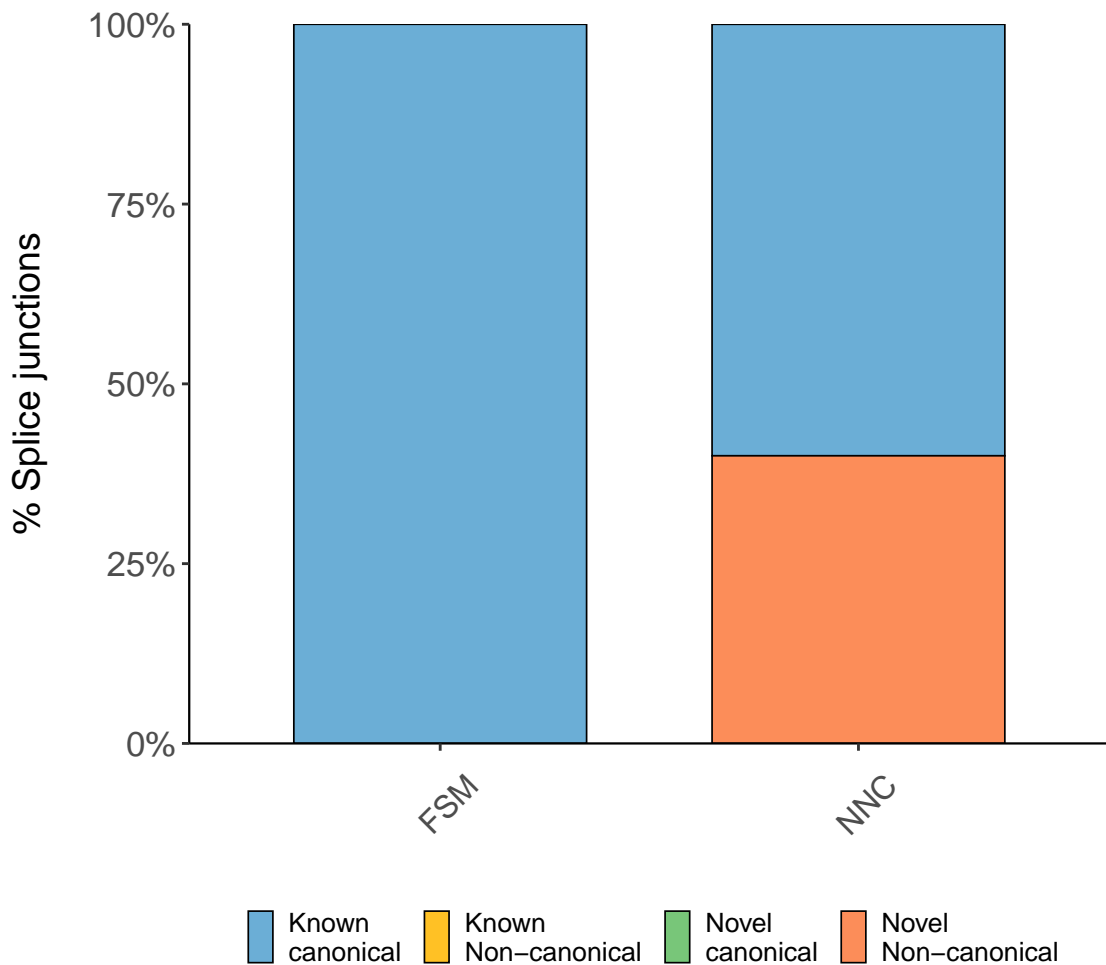
## Distribution of transcripts by splice junction category

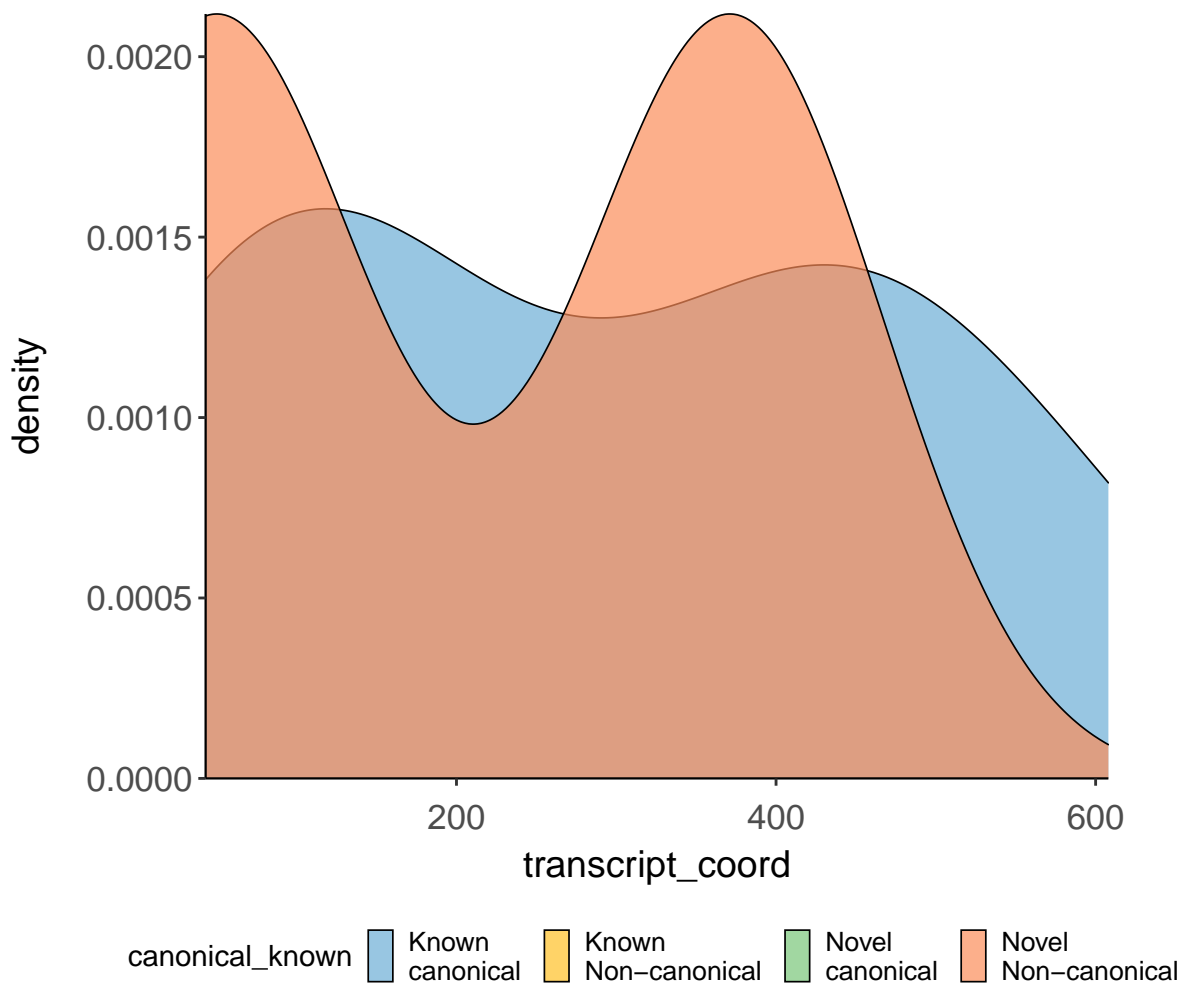
Non canonical transcripts are those with at least one non-canonical junction

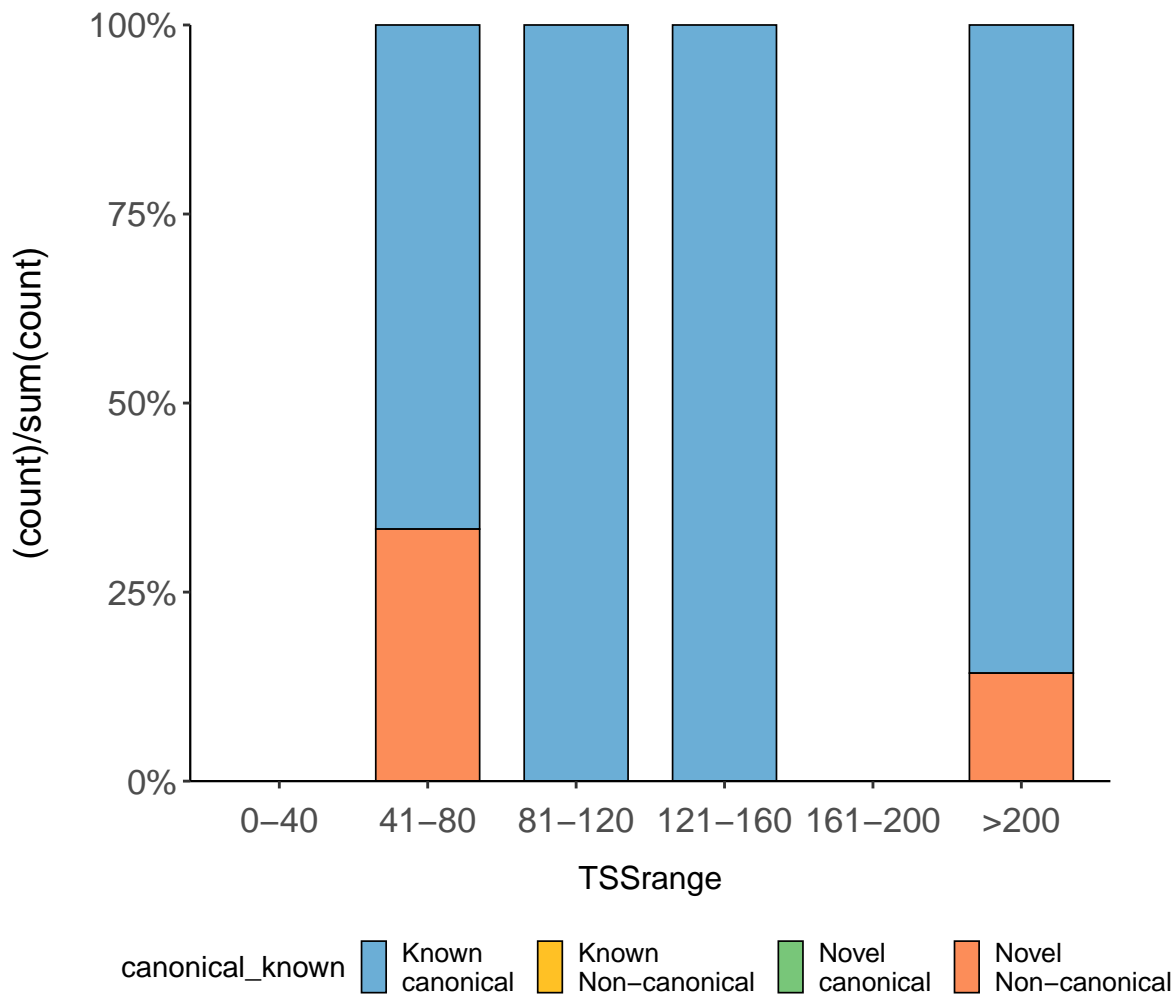




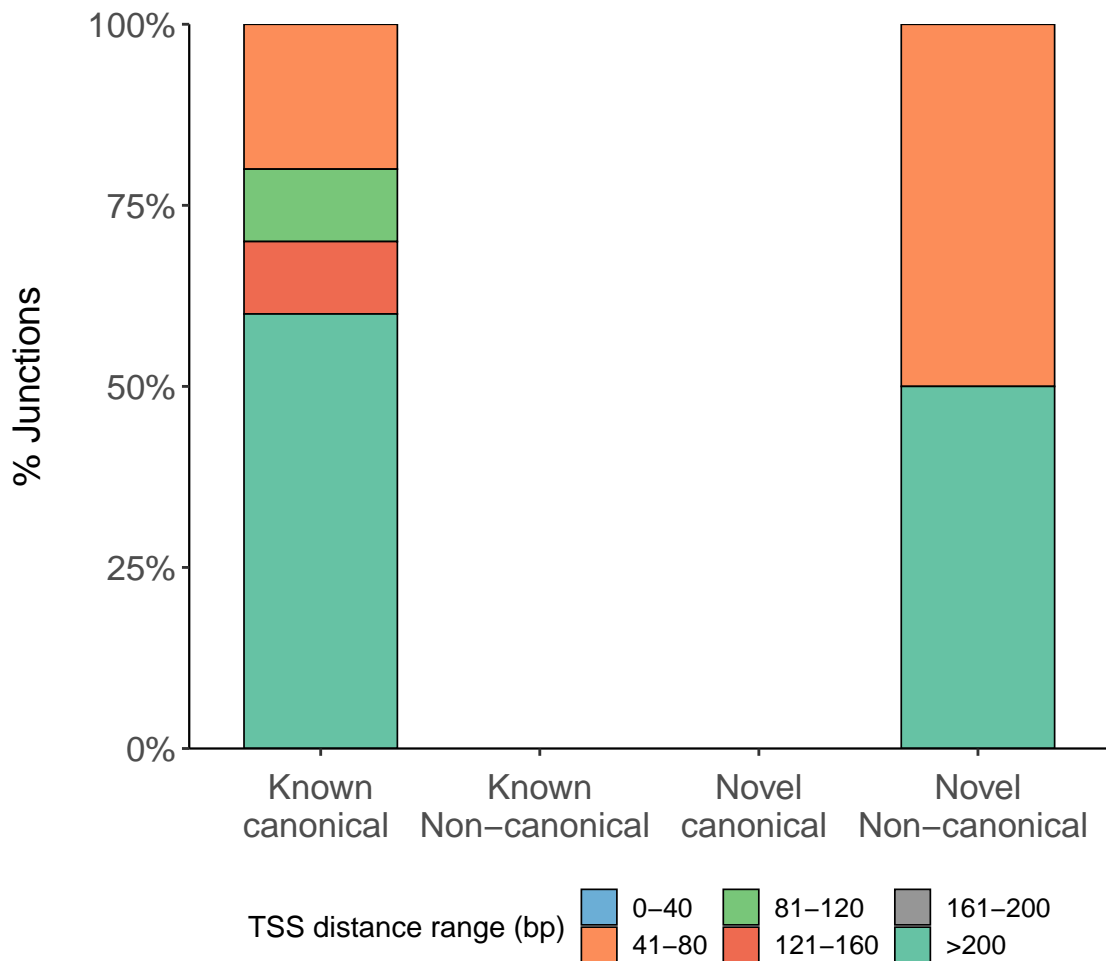
Distribution of SJ type among structural classification







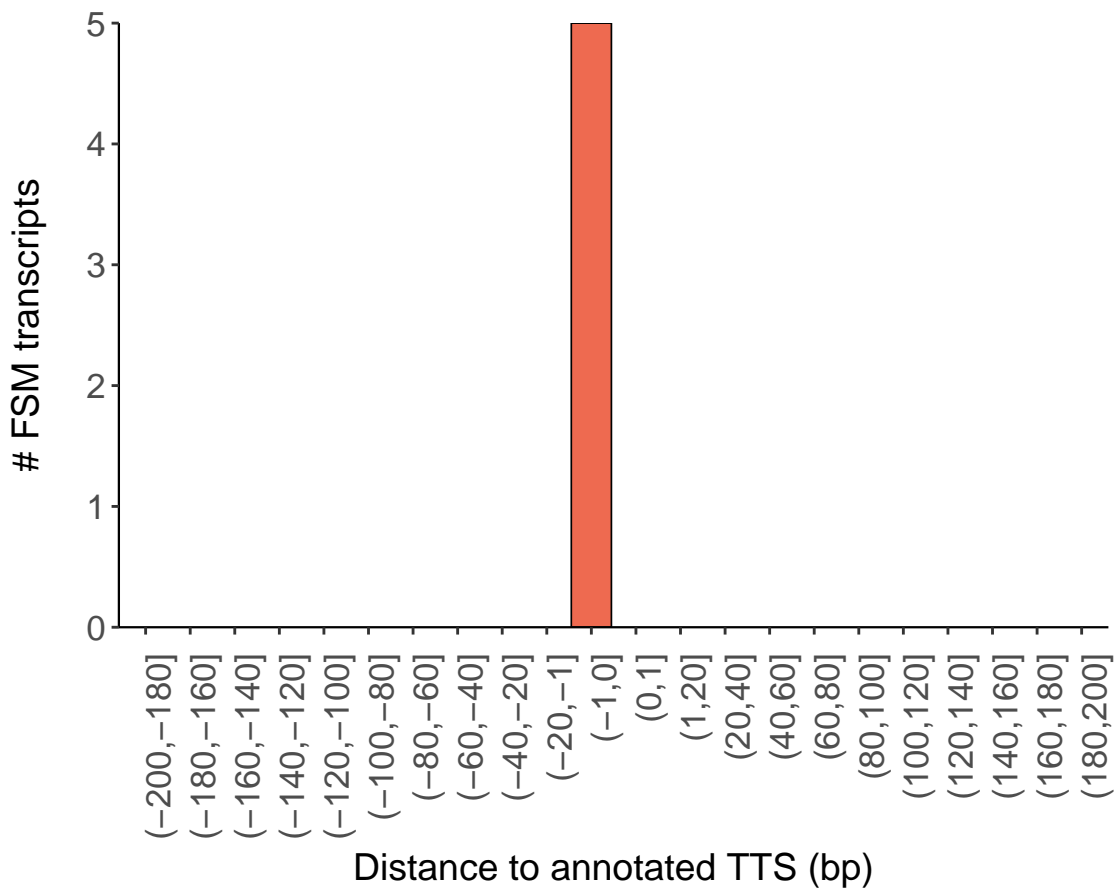
Splice junction distance to TSS across junction type



*Full-lengthness characterization of isoforms*

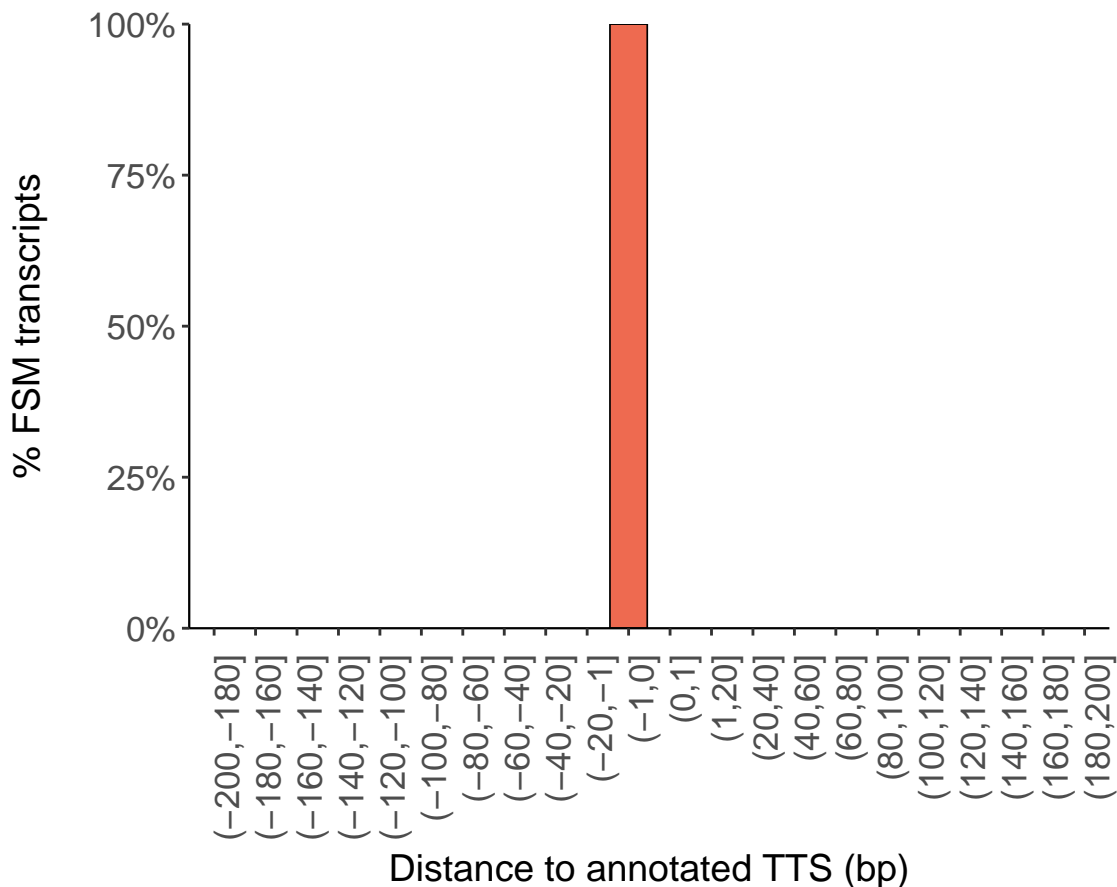
## Distance distribution from sequenced to annotated TTS

Negative values indicate that the sequenced TTS is upstream annotated TTS



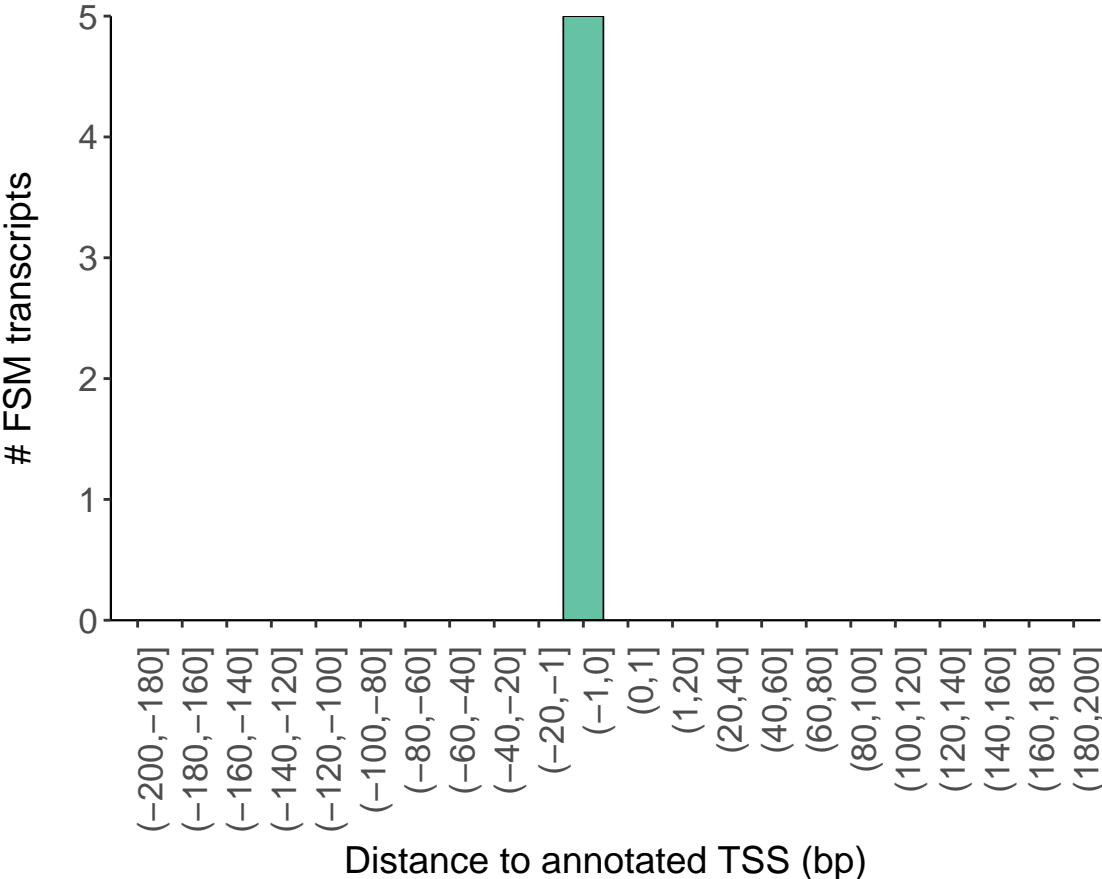
## Distance distribution from sequenced to annotated TTS

Negative values indicate that the sequenced TTS is upstream annotated TTS



Distance distribution from sequenced to annotated TSS

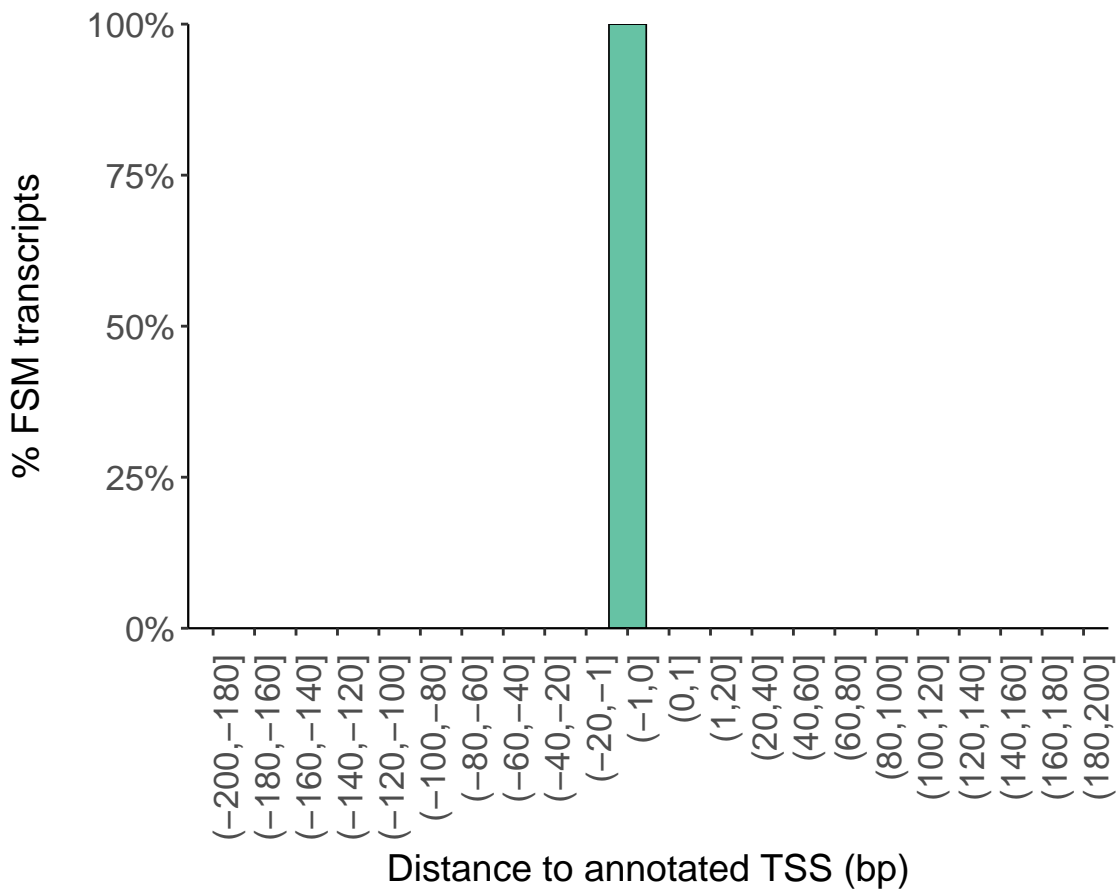
Negative values indicate that the sequenced TSS is downstream annotated TSS





## Distance distribution from sequenced to annotated TSS

Negative values indicate that the sequenced TSS is downstream annotated T



*Quality control attributes*

Quality control attributes across structural categories

