# Meta-plots of the motif match enrichment near splice donor, acceptor, TSS, start and stop codon positions (common y-axis scale)

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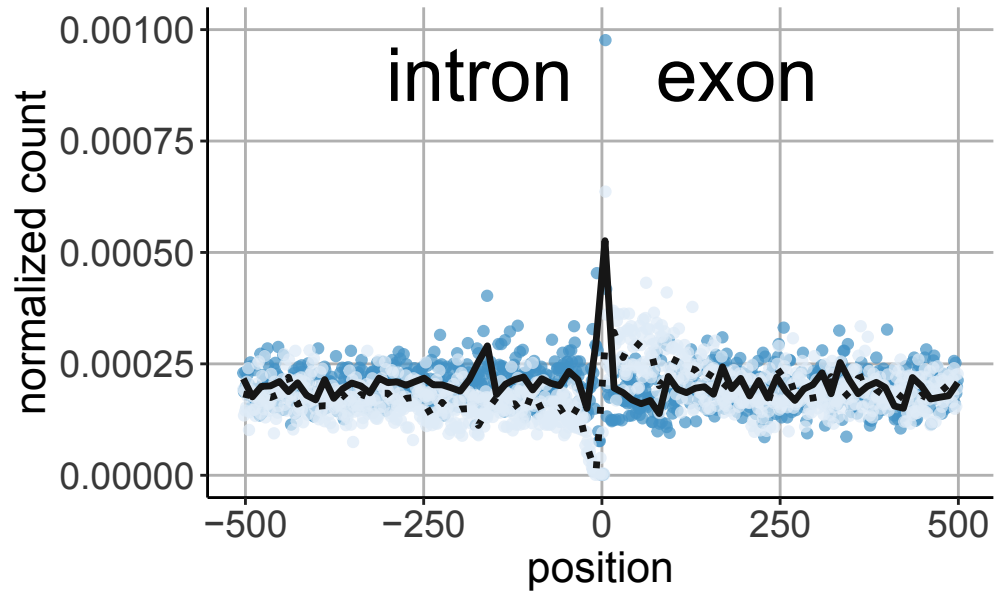
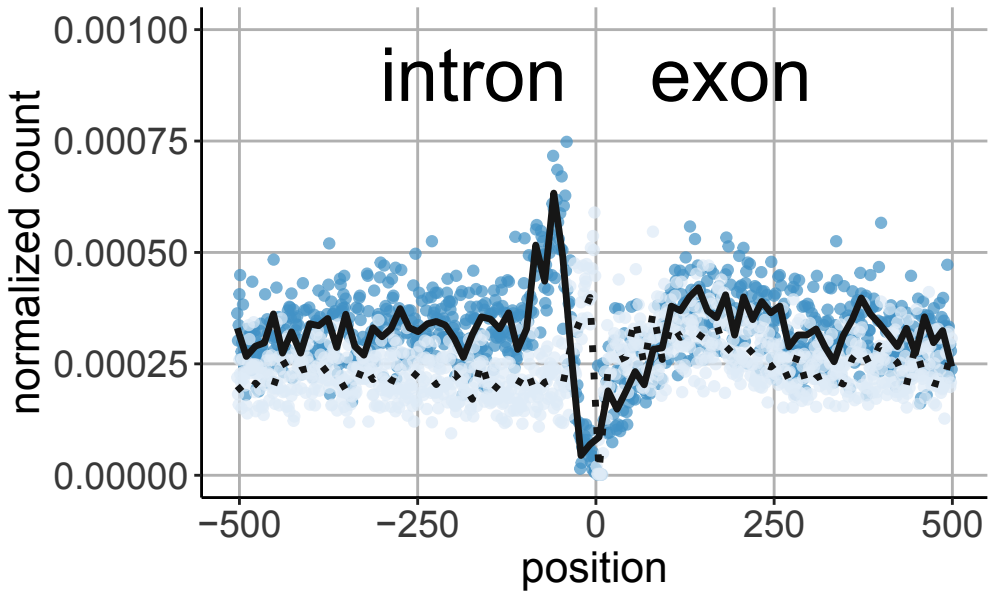
acceptor

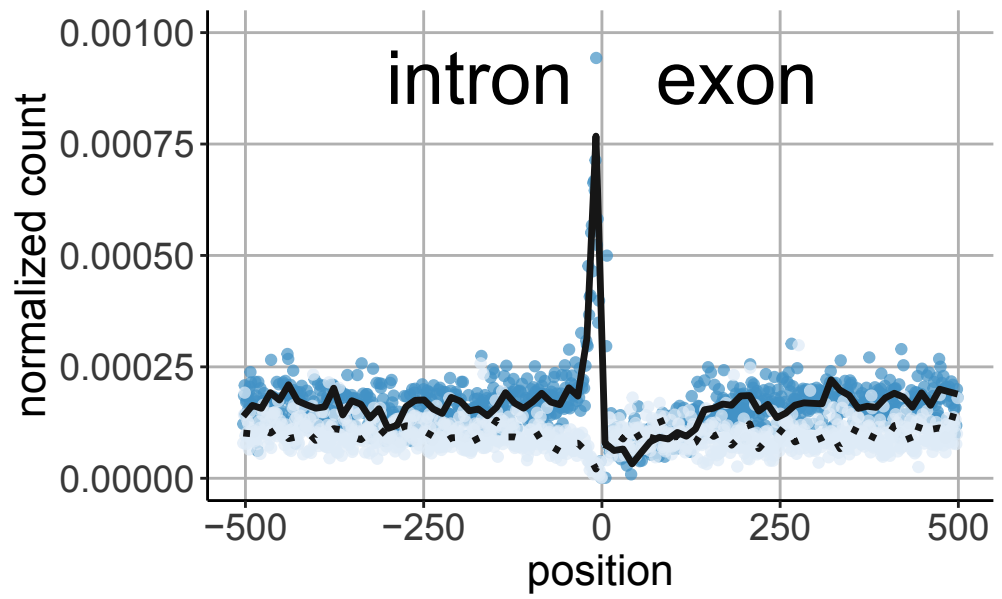
ZC3H8−GCUUGC



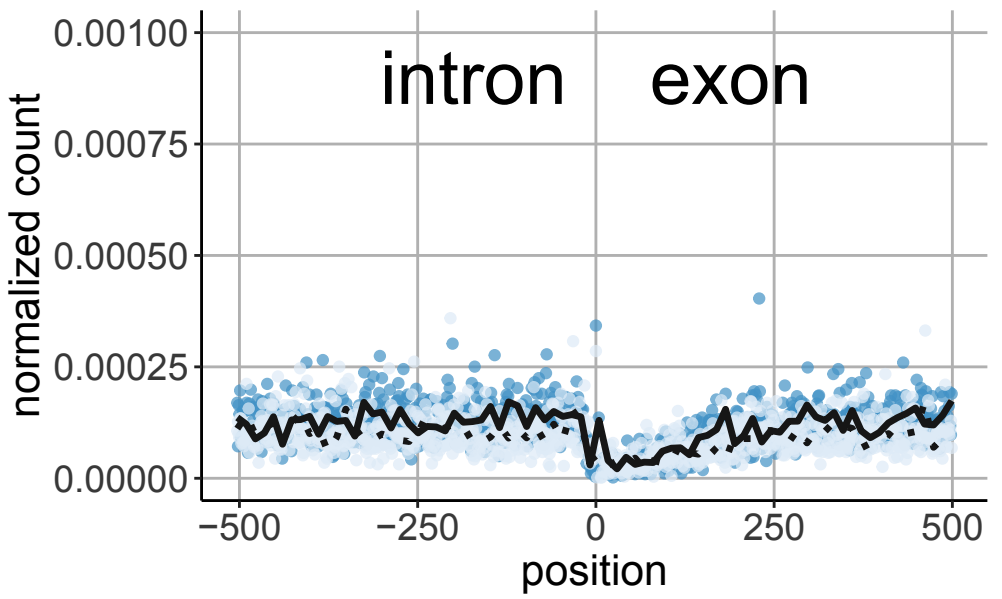

ESRP1_3−GGUGUUGGUG



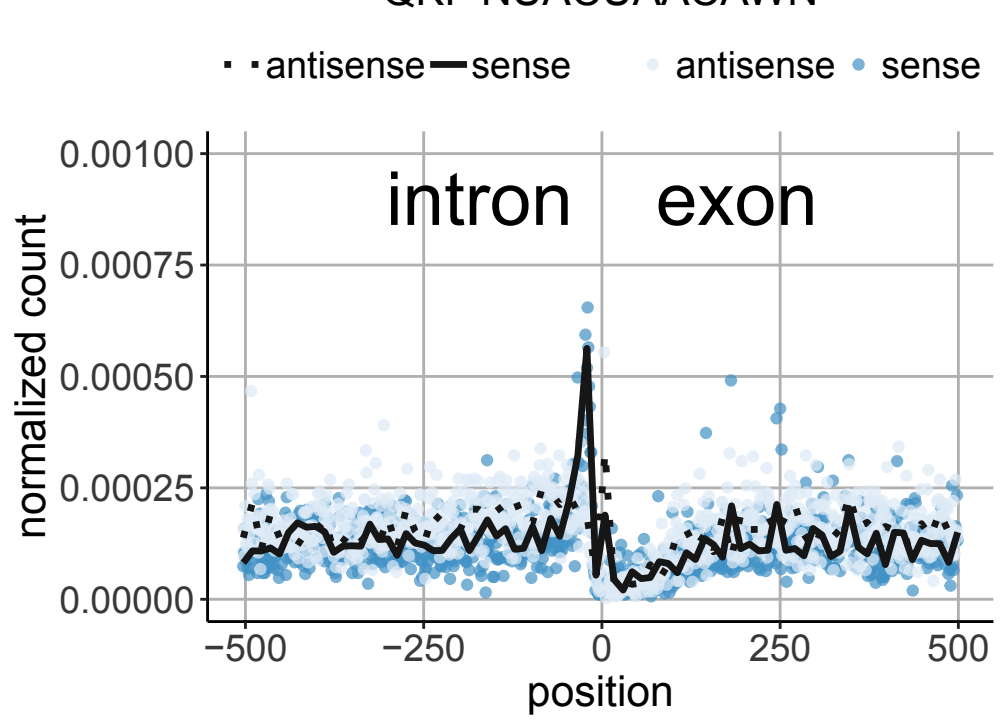

ELAVL3−GUUUUUG



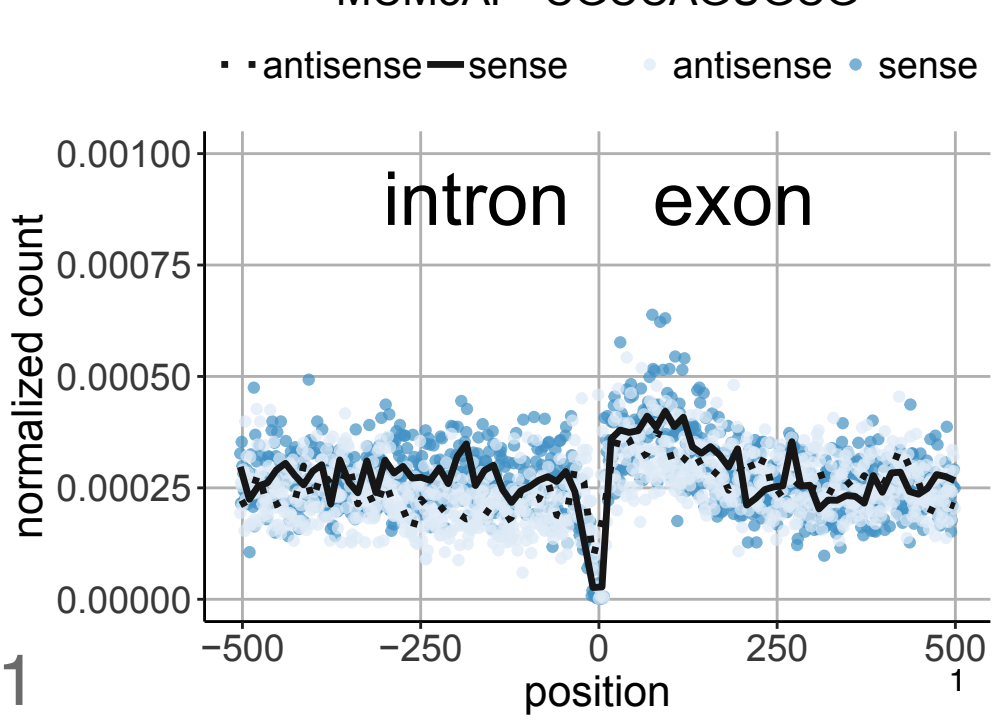

PUM1−NUGUAAAUAG




QKI−NUACUAACAWN




MCM3AP−CGCCAGUGCG



acceptor

HNRNPC−UUUUUGGUGG

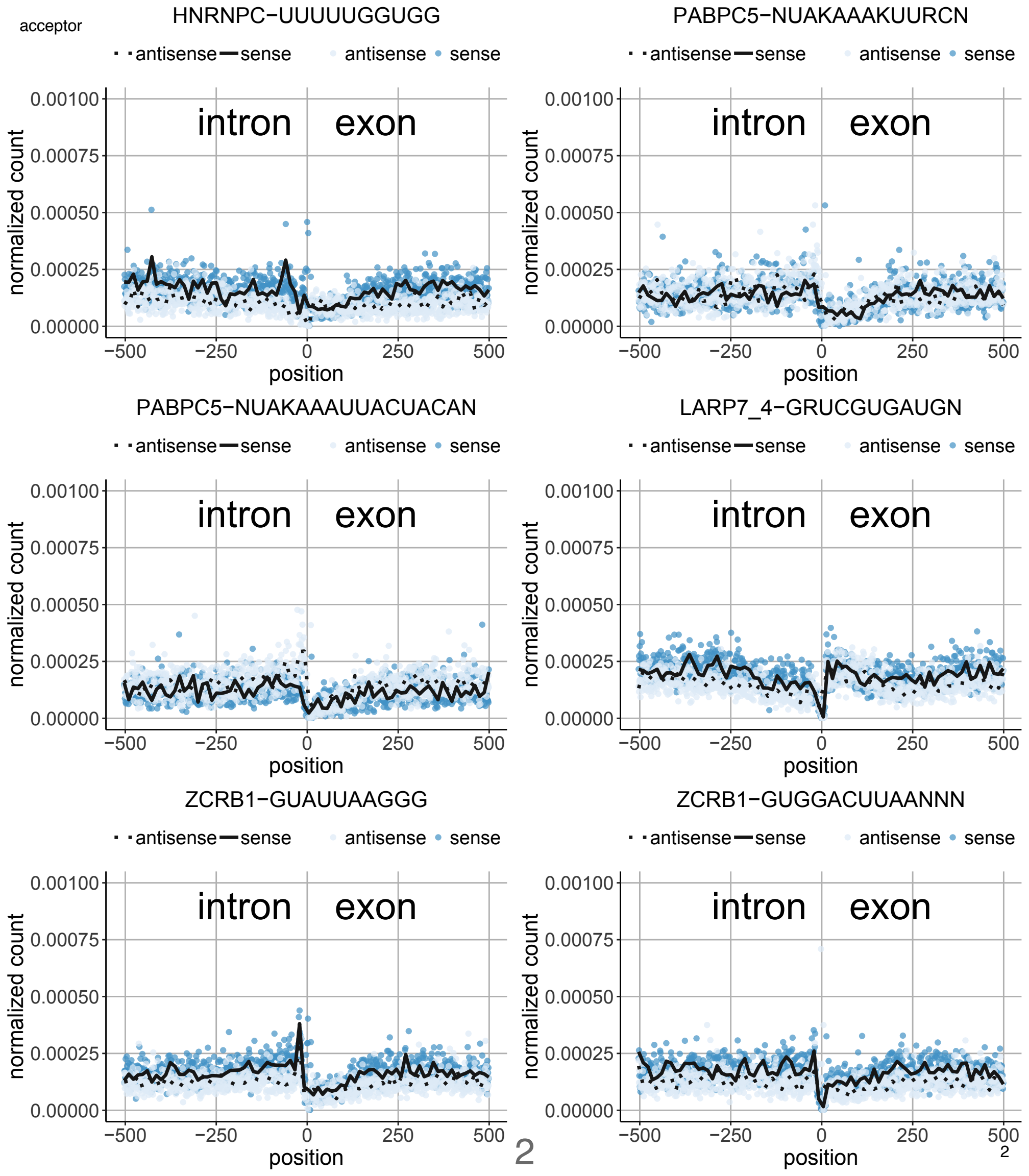
PABPC5−NUAKAAAKUURCN

PABPC5−NUAKAAAUUACUACAN

LARP7_4−GRUCGUGAUGN

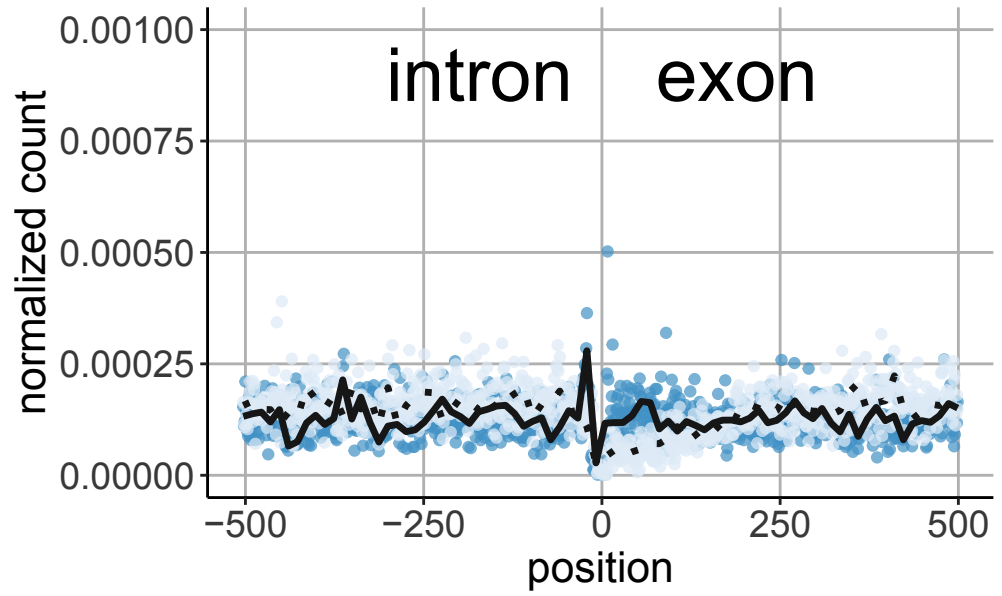
ZCRB1−GUAUUAAGGG

ZCRB1−GUGGACUUAANNN



acceptor

RBM42−NGGAACUAAN

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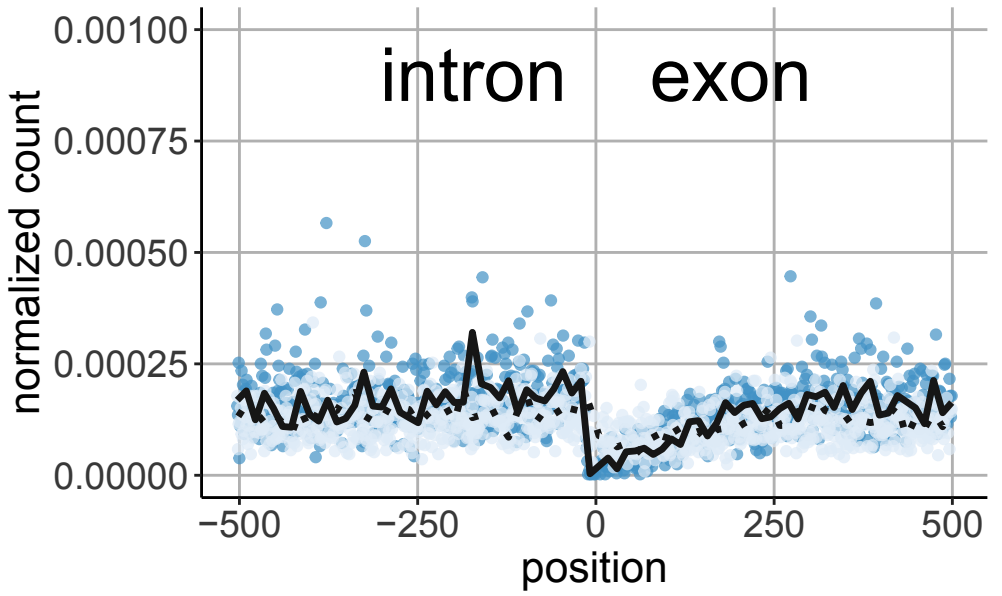


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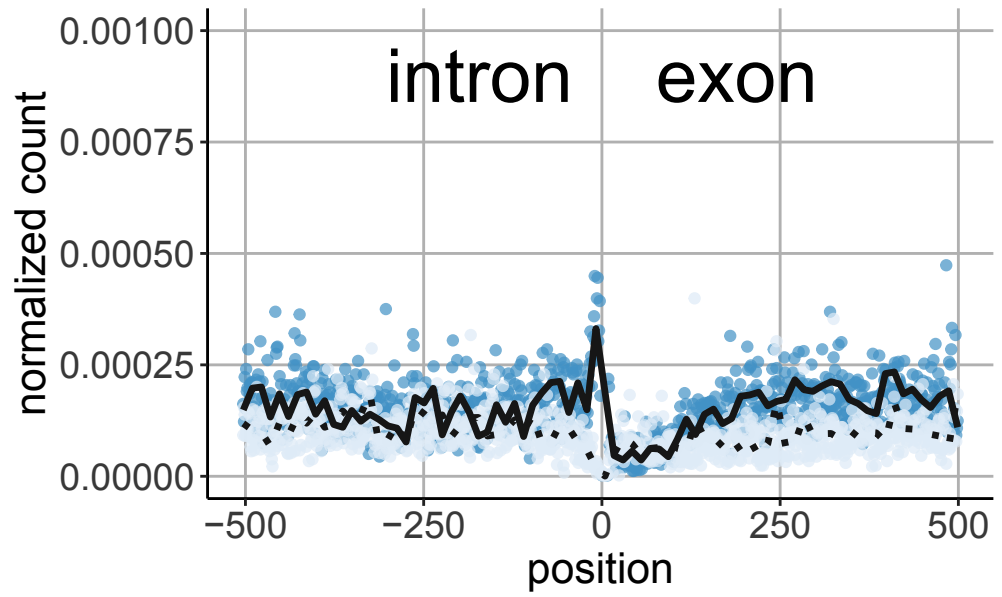
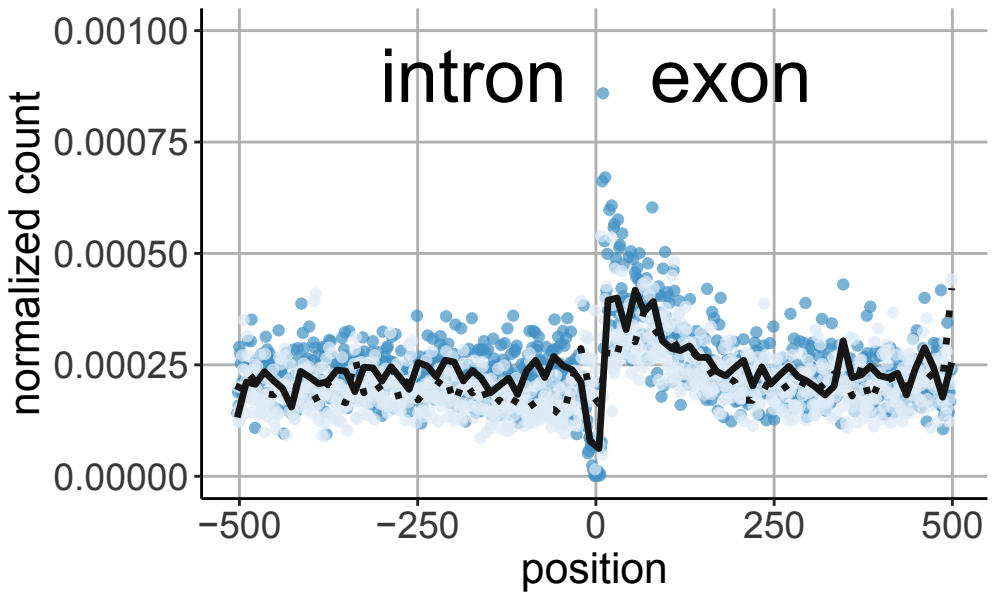



ZFR_4−GUGACGGAUG

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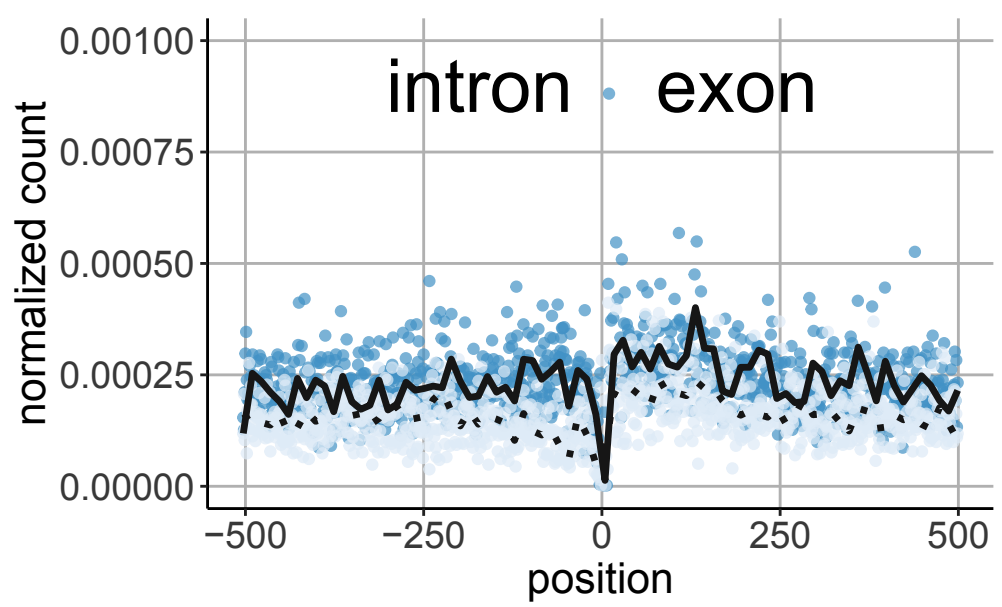
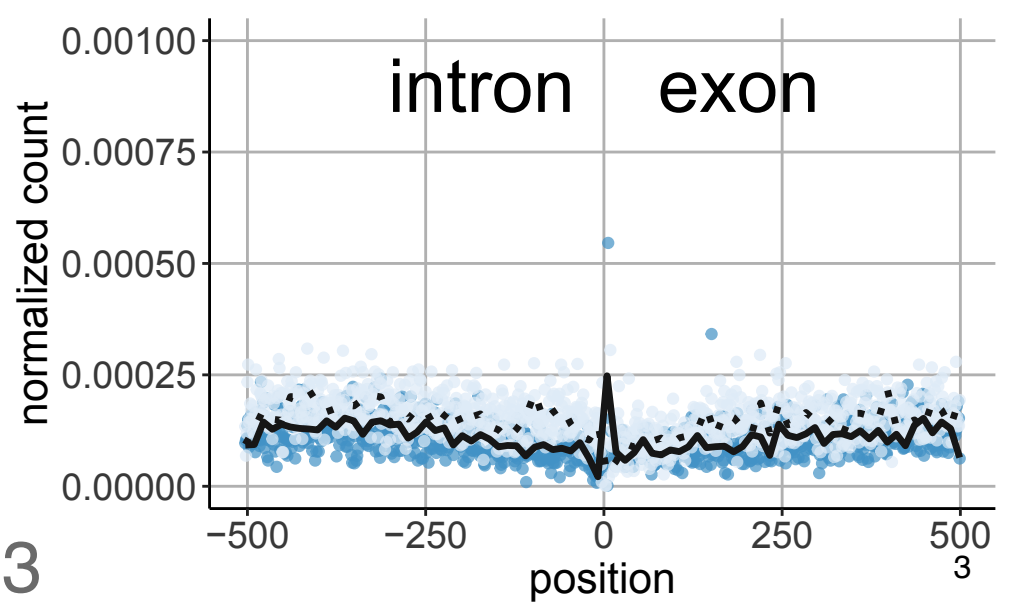



HNRPLL−GCAURCAYCC

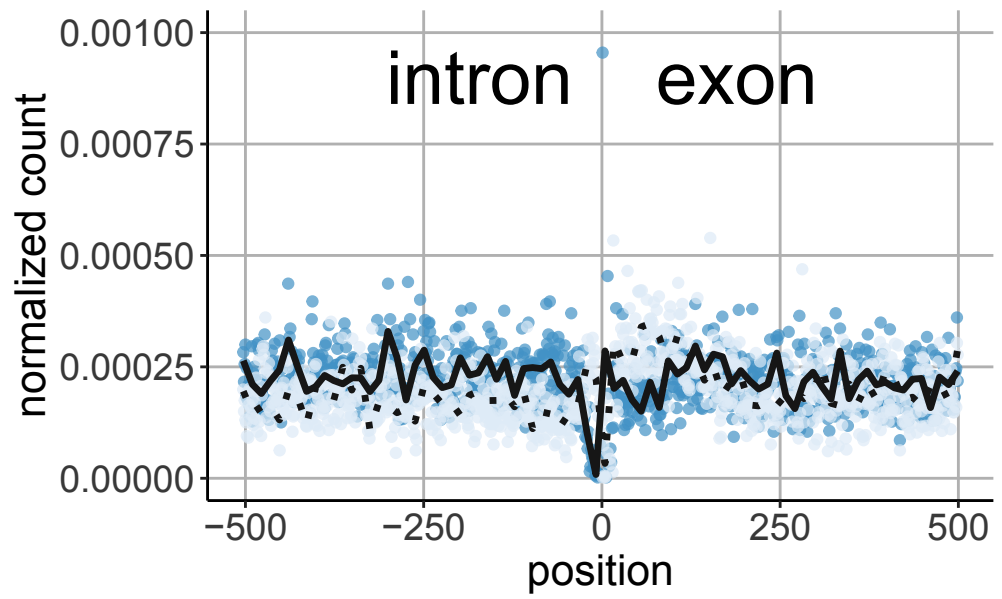





3

acceptor

ZC3H12C−NUGCGNCAGUCGGUAGC

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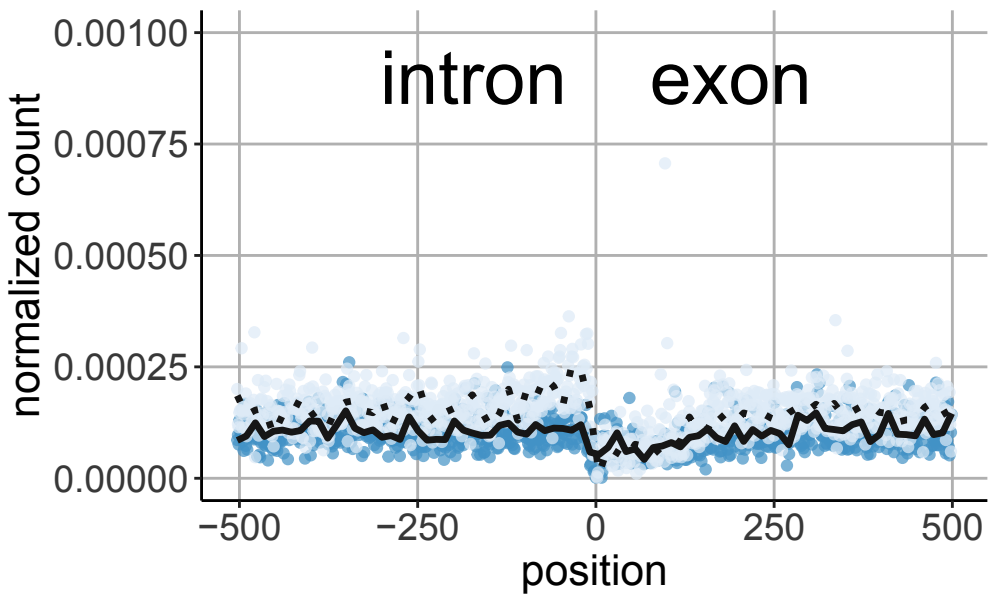
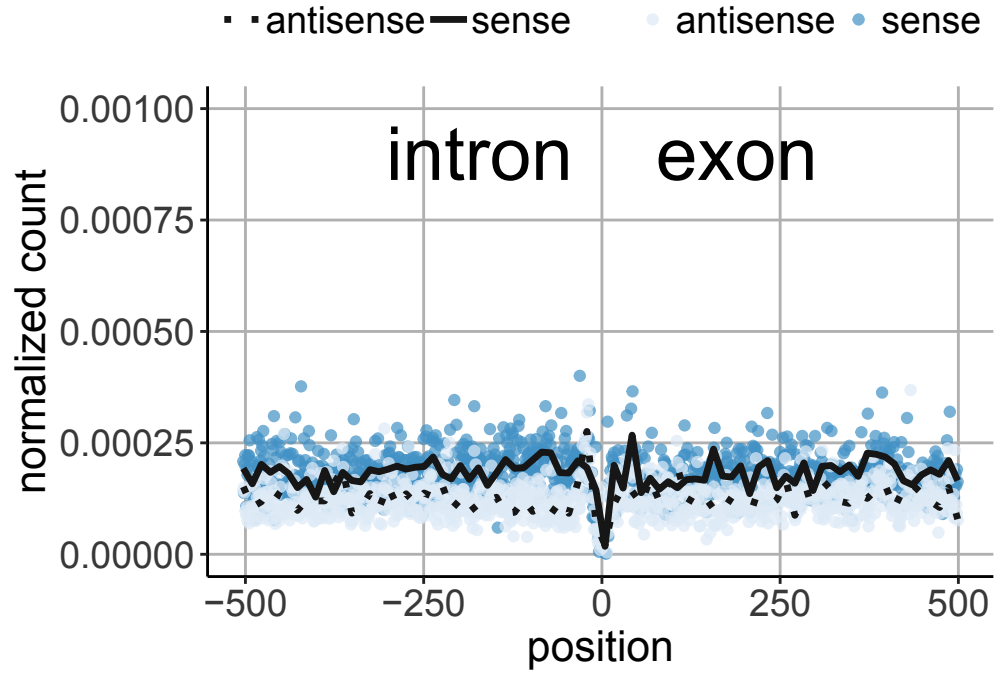
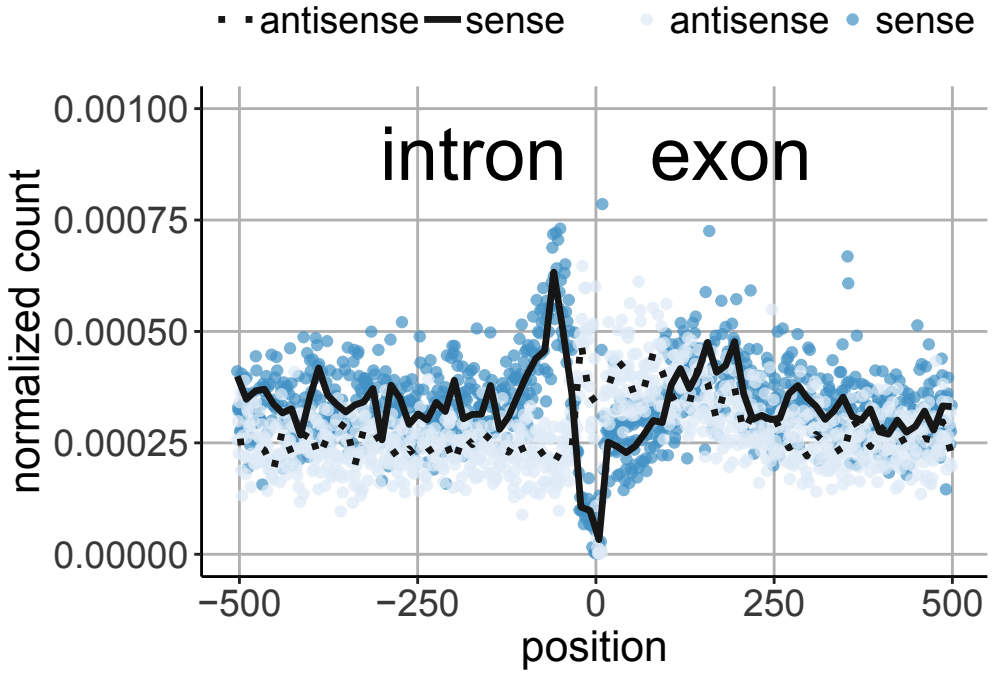


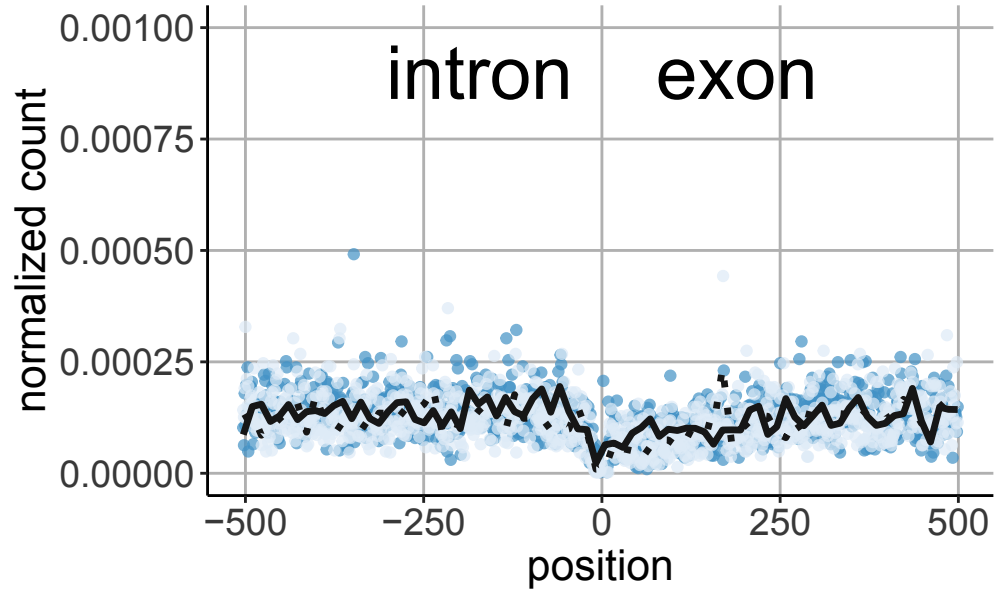

RBMS2−CAGUGAUUGG




RBM14−GGKUGCGUCG




RBMS2−CGNUAUAUAG

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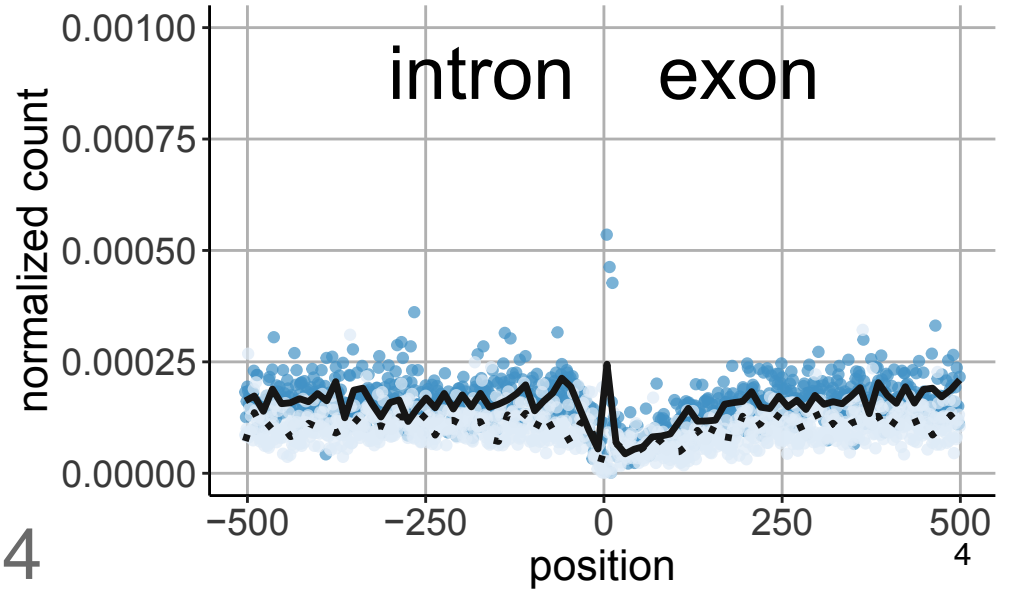
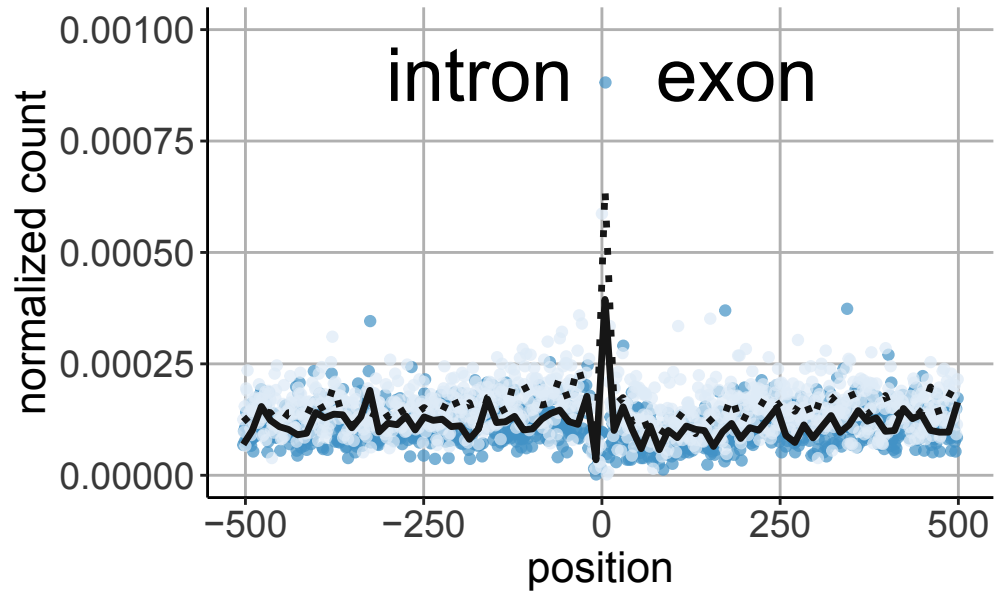




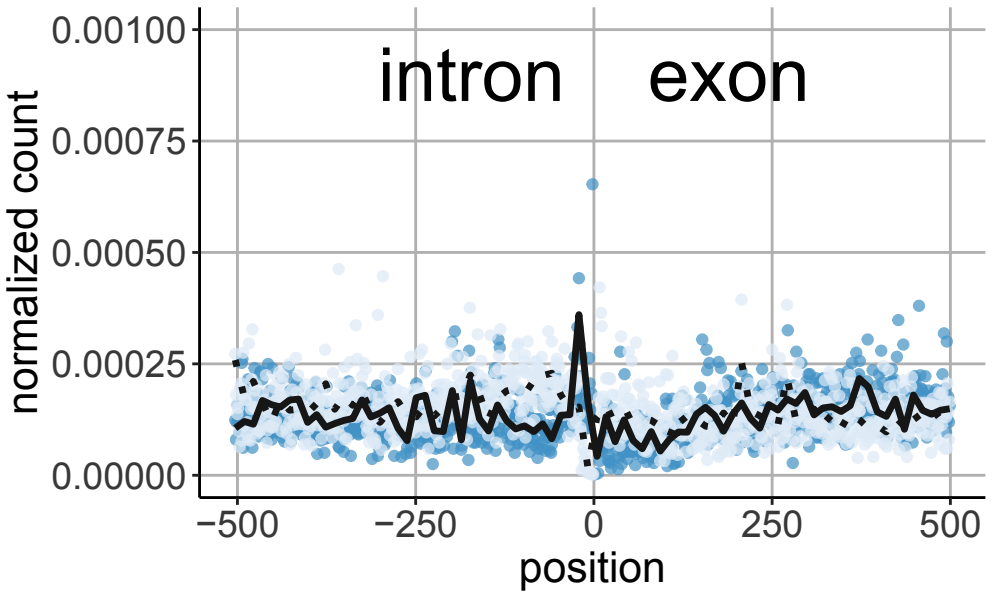

4

acceptor

RBMS1−UUAUAAUCAAC




NOVA2_3−UCAUUCAU

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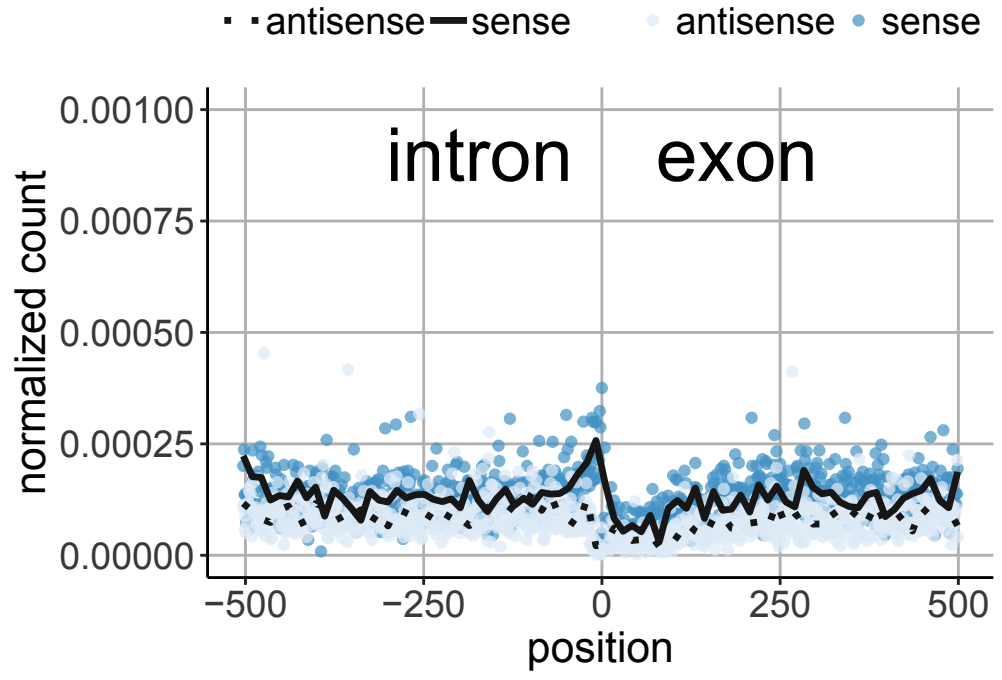


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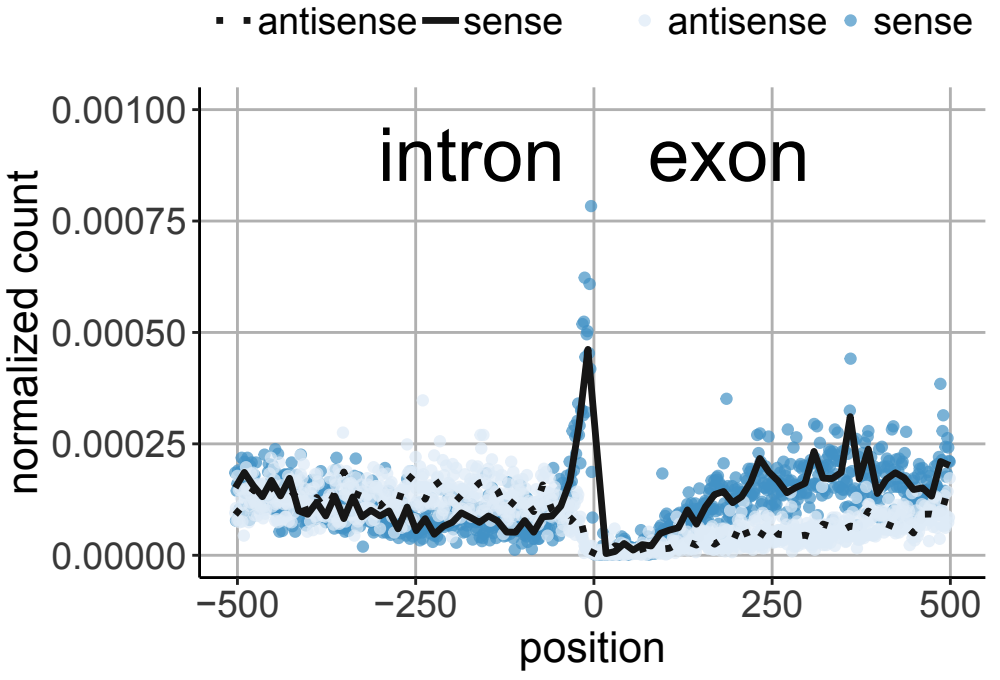
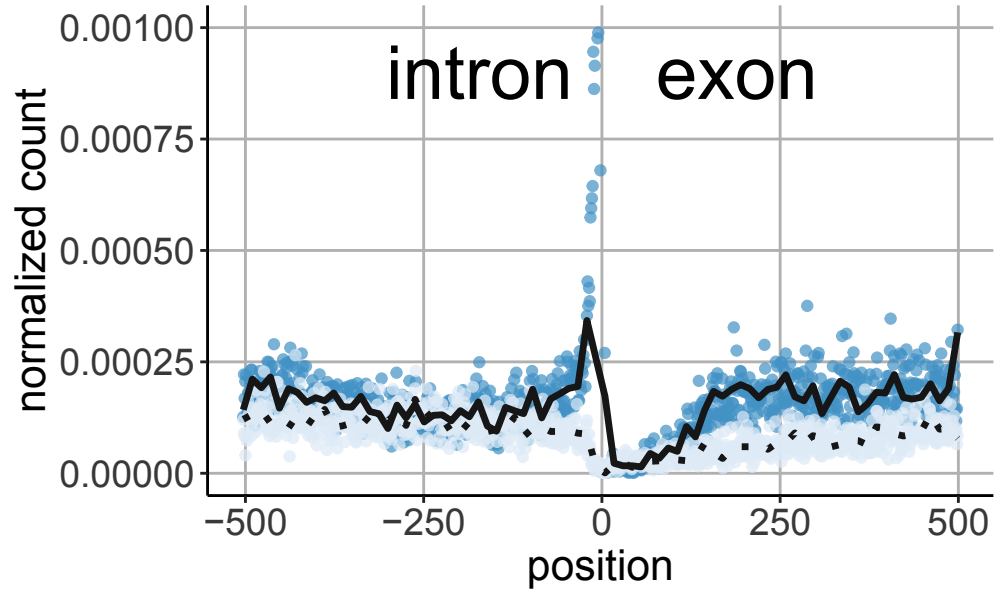
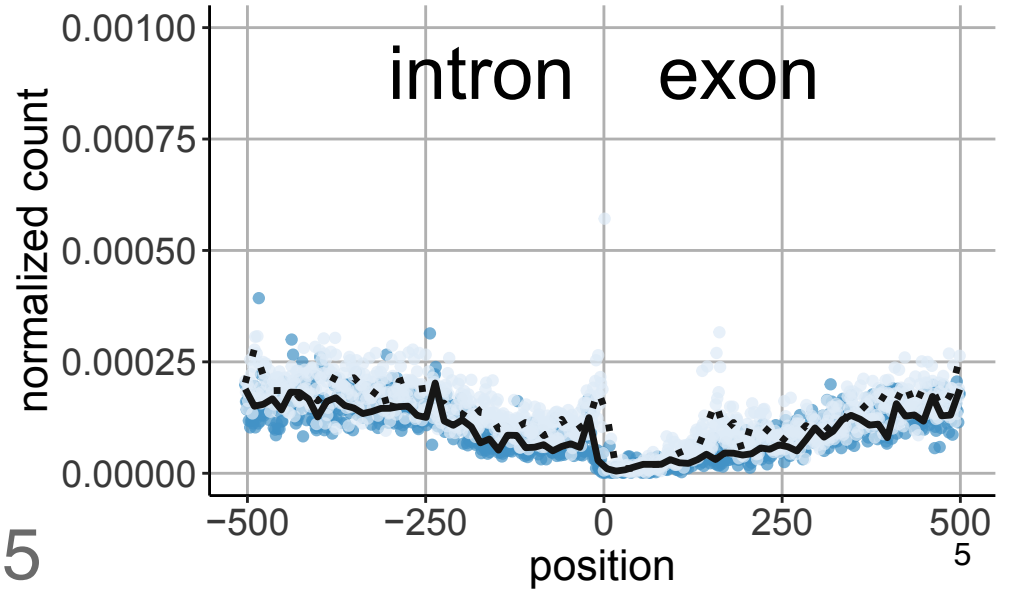



ELAVL4−UUUUAUUUUG




QKI−ACUAACANNACUAACA

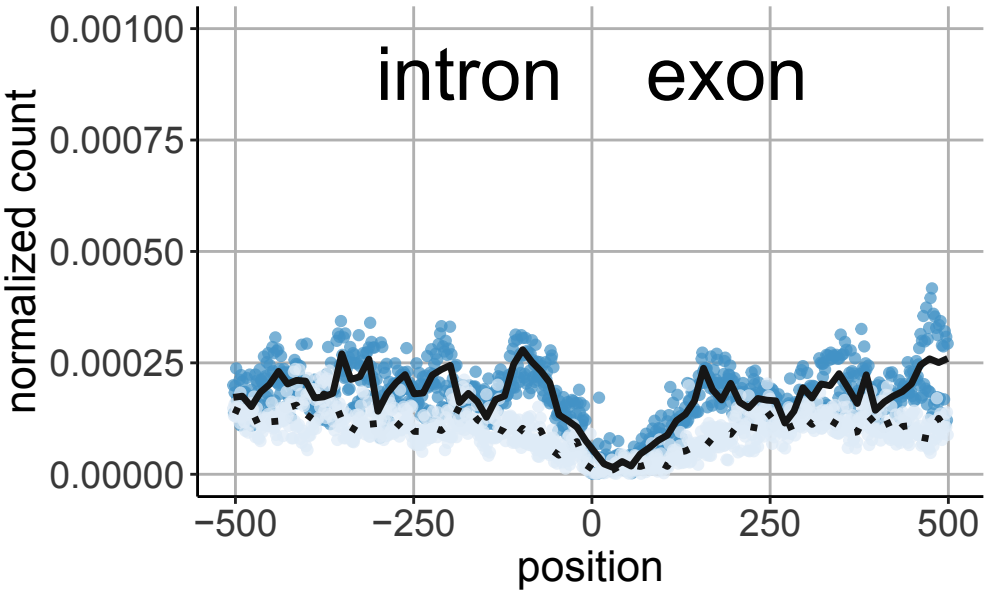




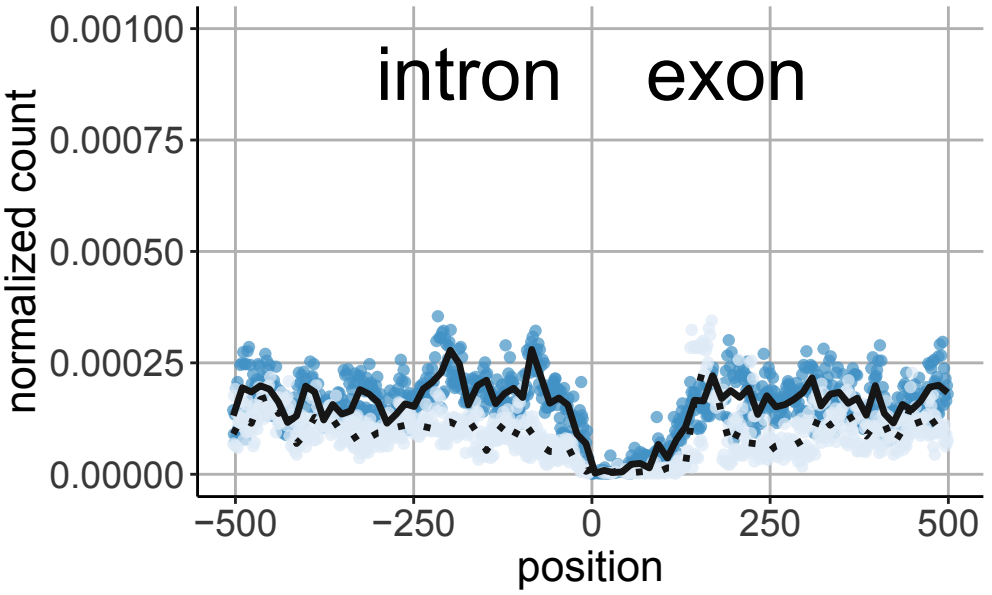

5

acceptor

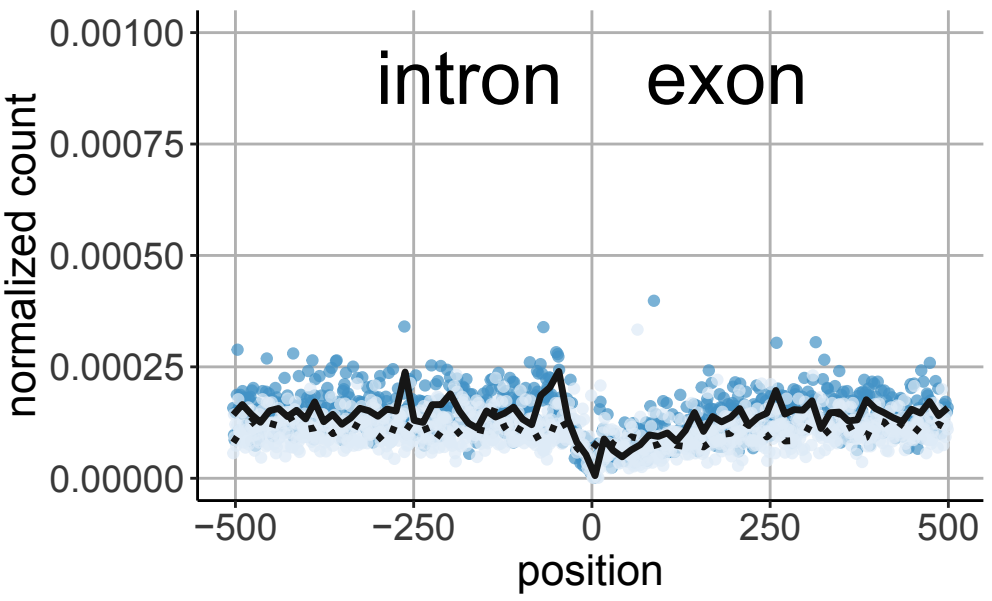
TARDBP−GUGUGAAUGG




TARDBP−GUGUGNGUGUG




PUM2−NNUGUAYAGK

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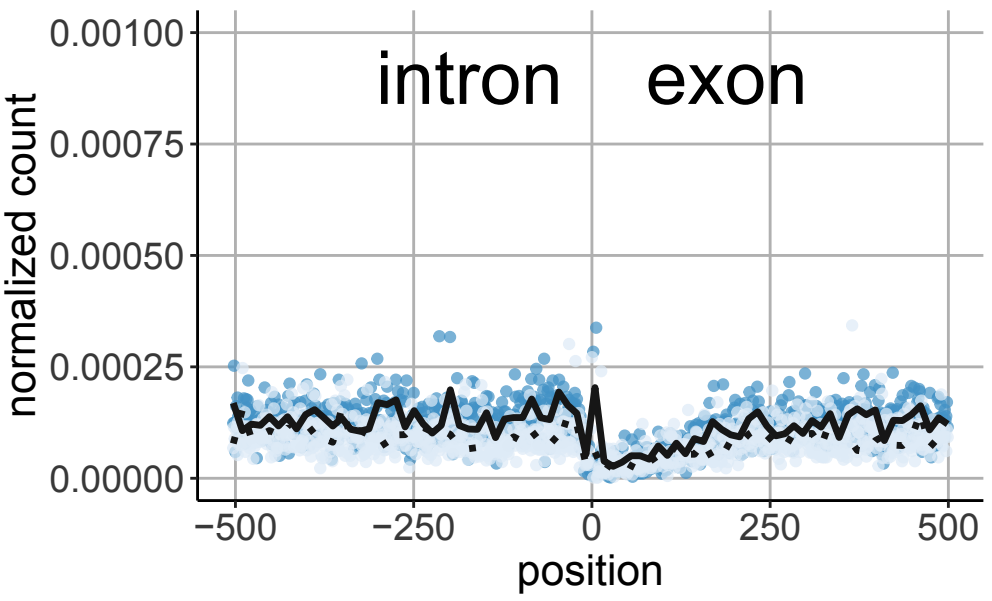


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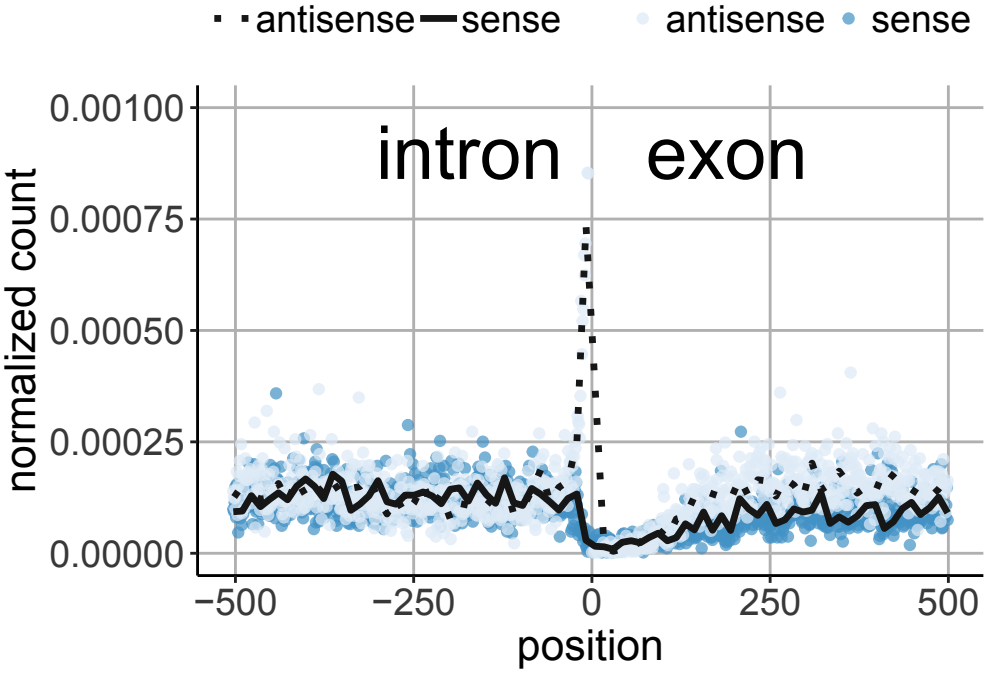
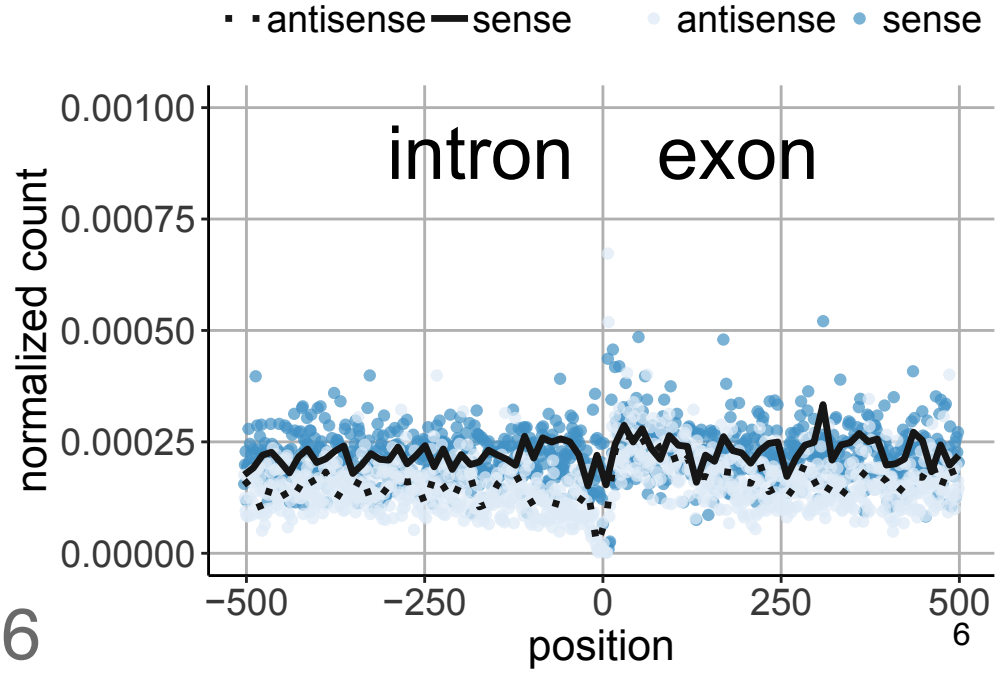


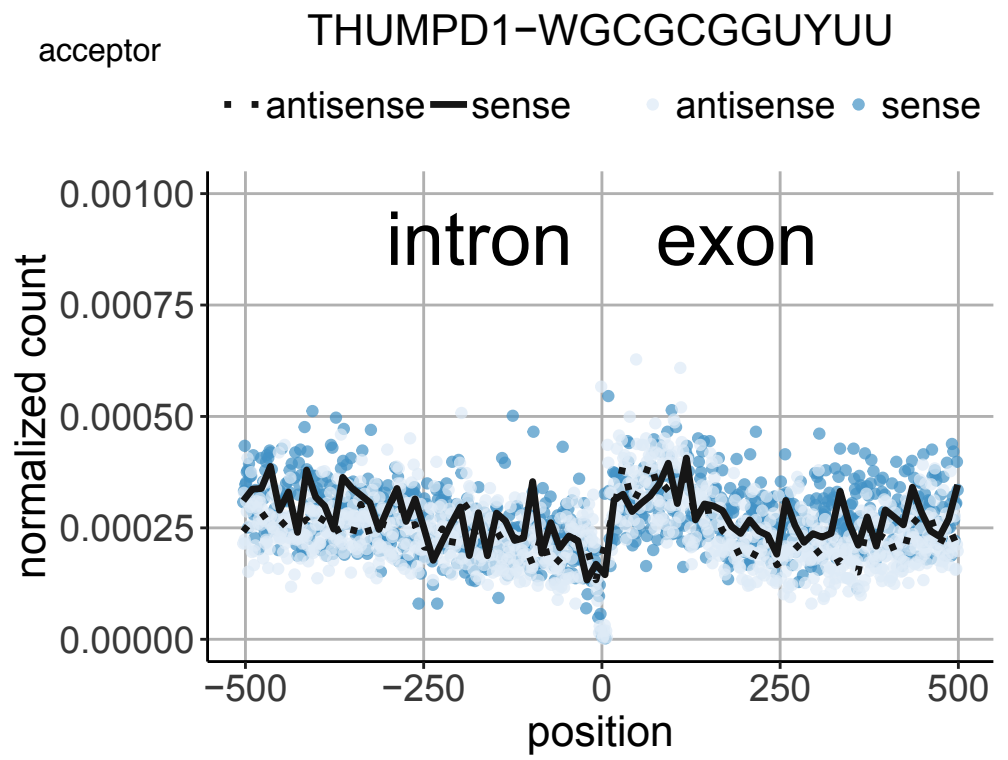

THUMPD1−UUCGUGGCUUG






6

acceptor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antisense sense
intron
exon
normalized count
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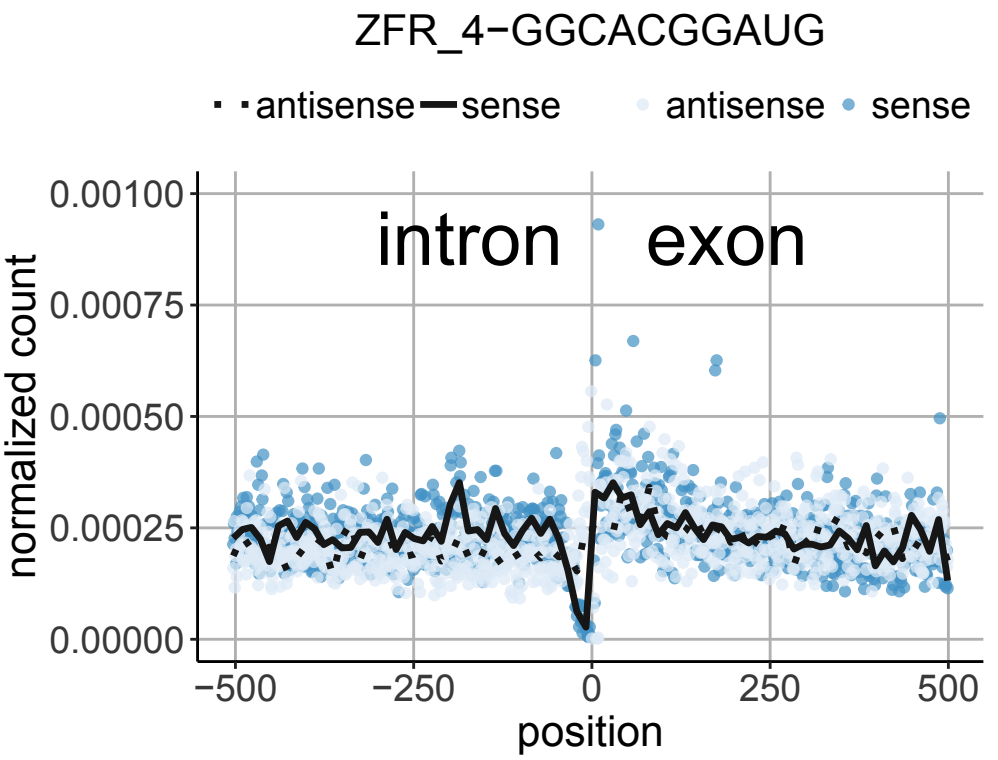
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position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antisense sense
intron
exon
normalized count
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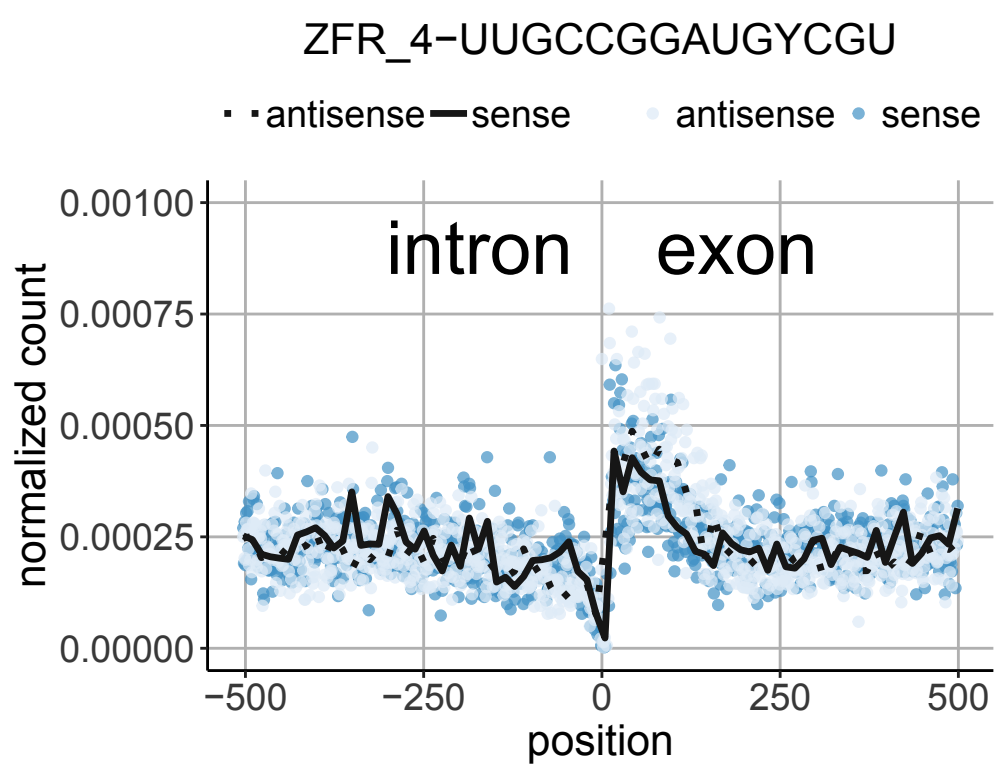
0.00000
−500
−250
0
250
500
position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antisense sense
intron
exon
normalized count
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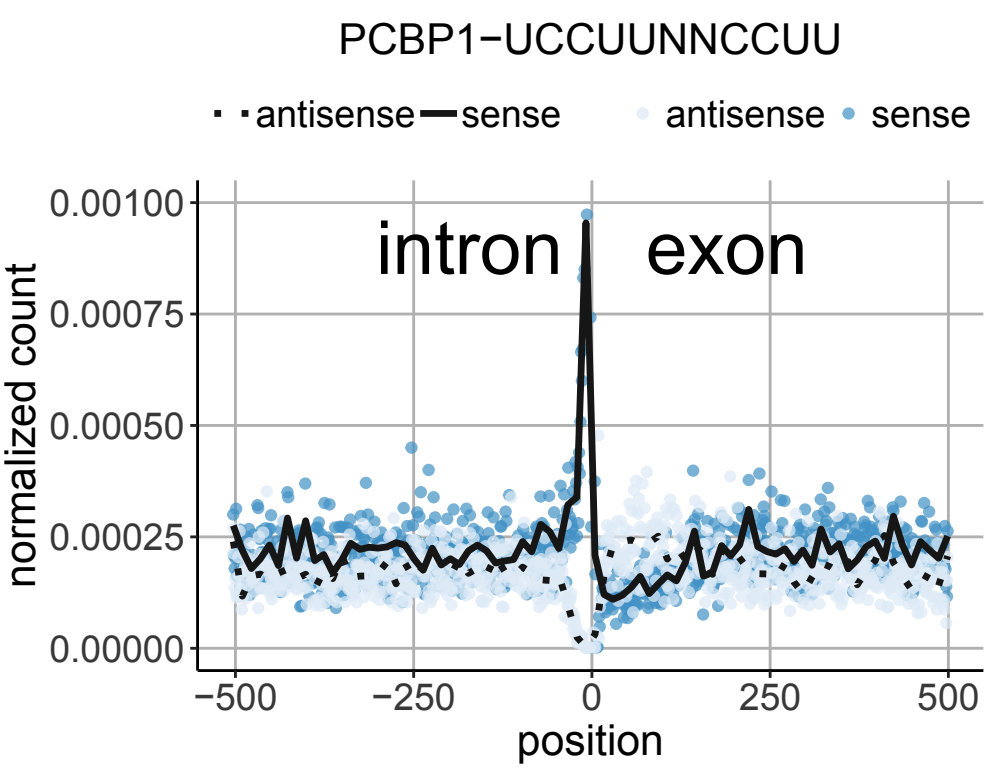
position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antisense sense
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exon
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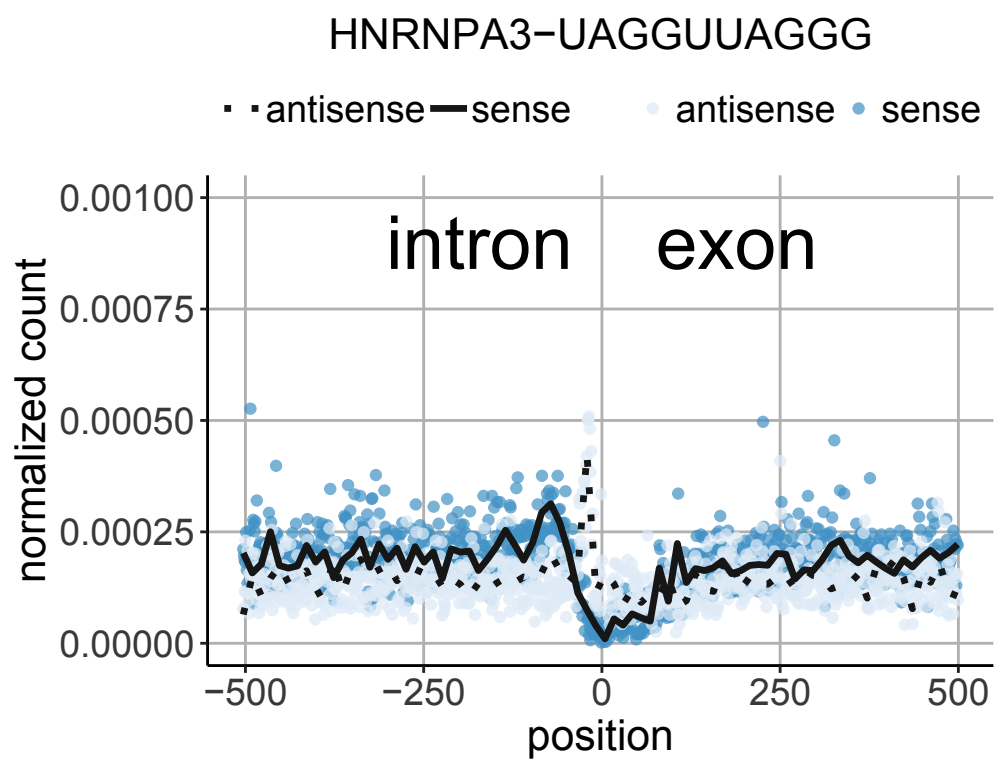
−250
0
250
500
position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antisense sense
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exon
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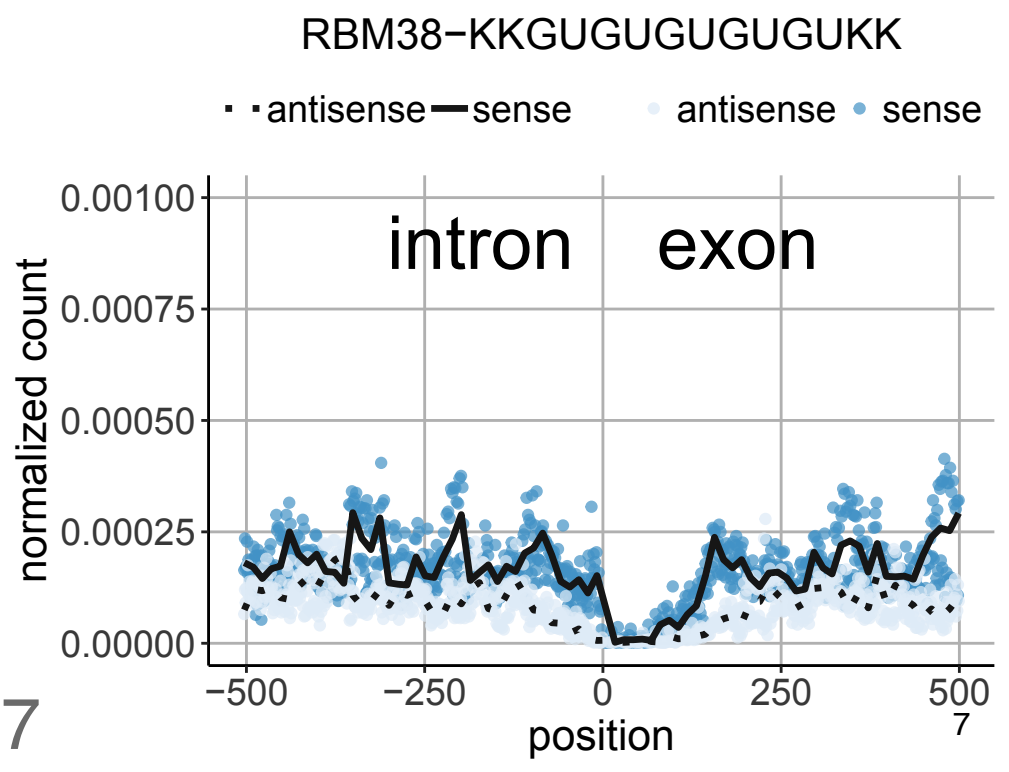
0
250
500
position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antisense sense
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exon
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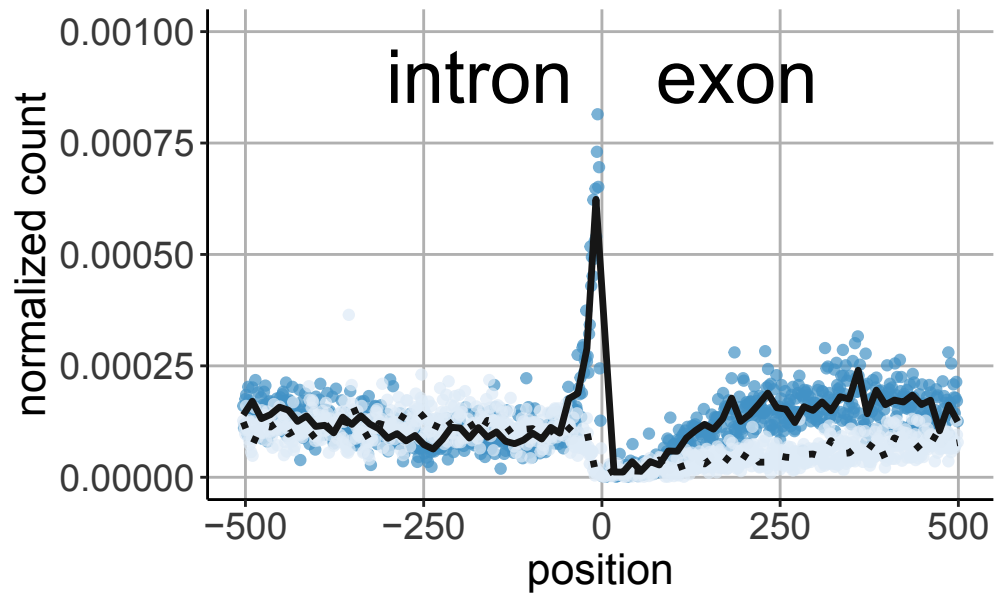
0
250
500
position


7

acceptor

MEX3D−UNURUUUAUU

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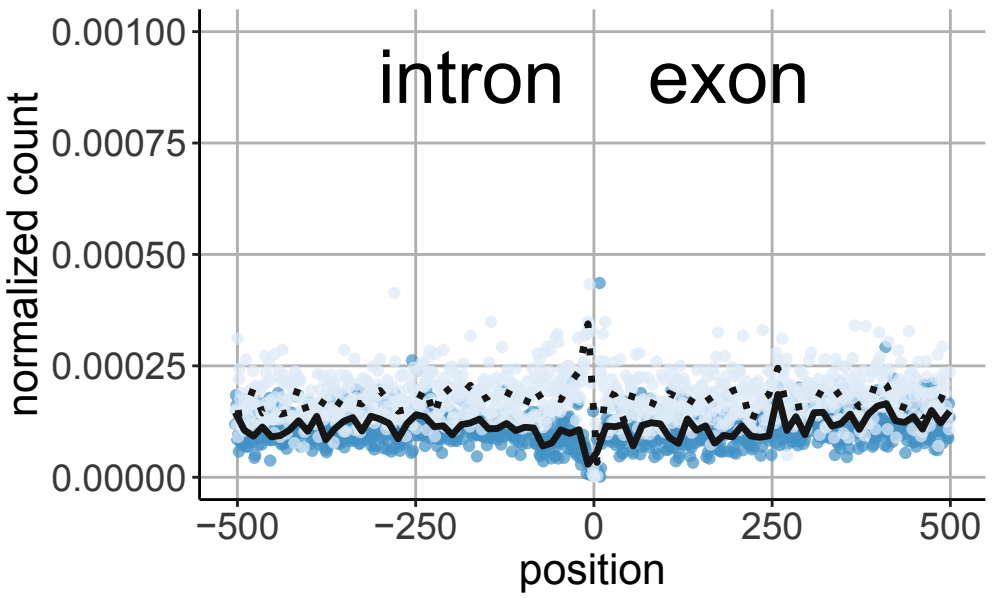
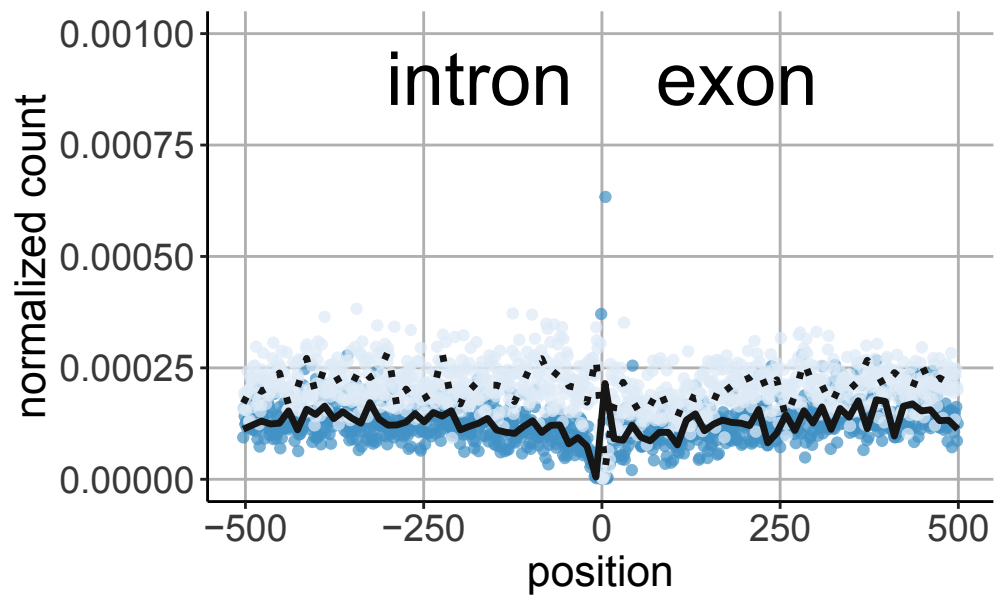
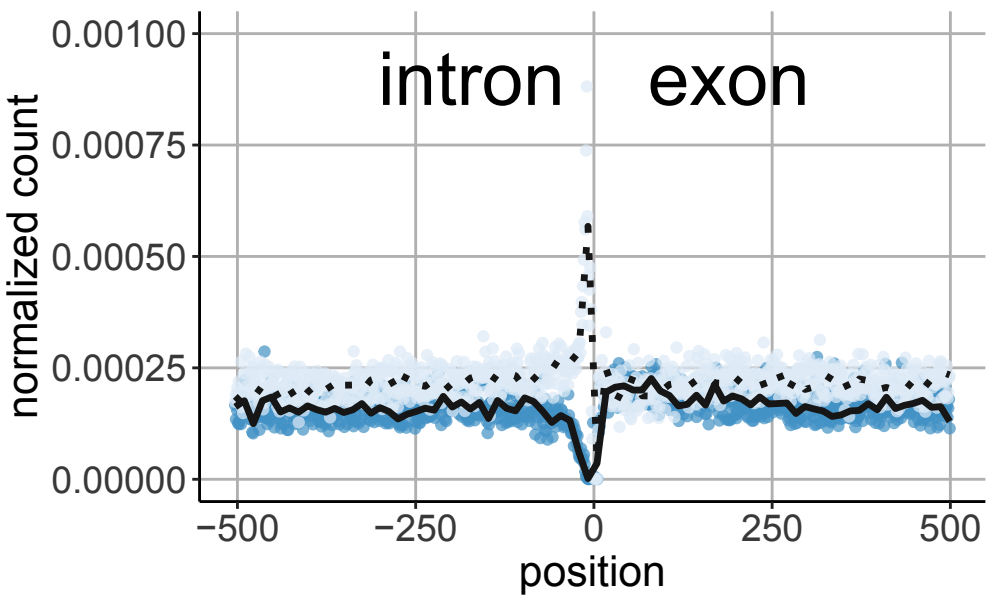


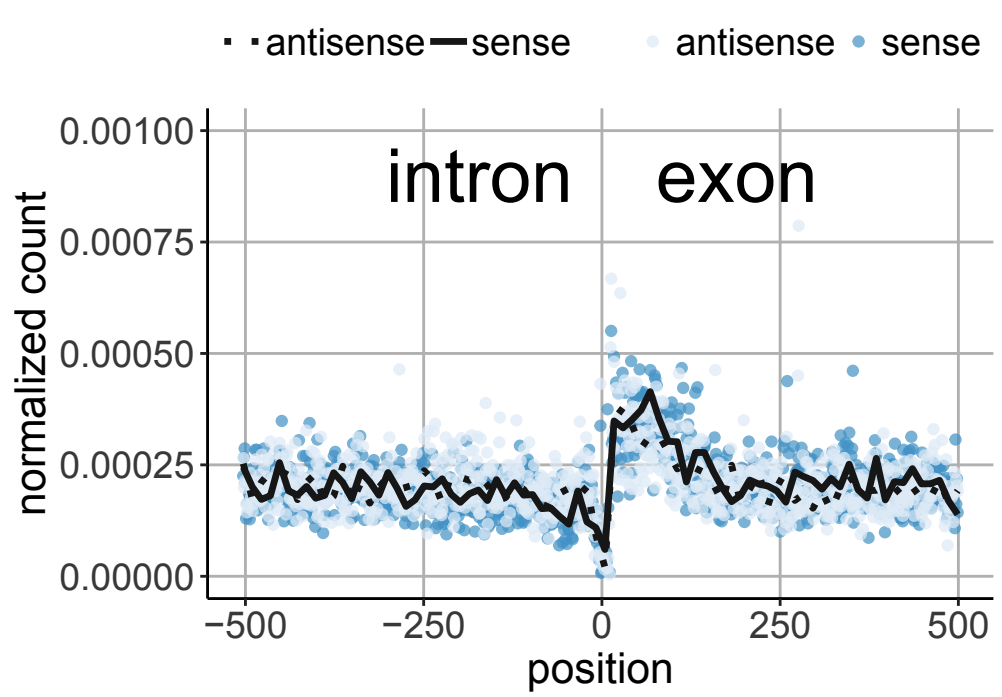

RBPMS2−UCACRUGCACA



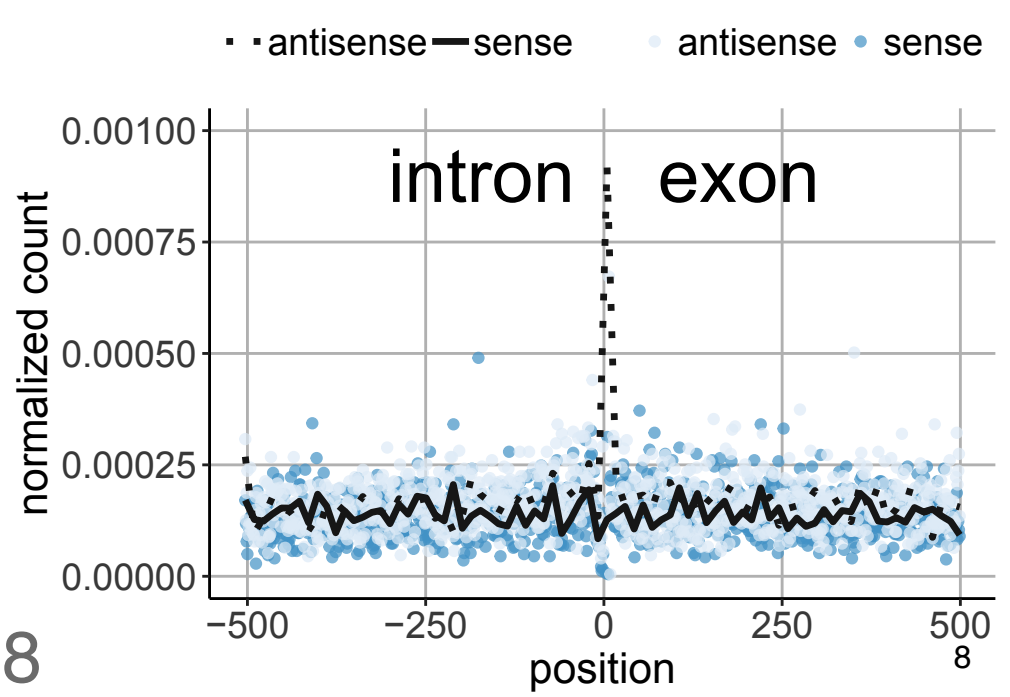

RBPMS2−UGCACA




YBX2−GCCAUNNNAUCGC




YBX2−NUAACAUCNN

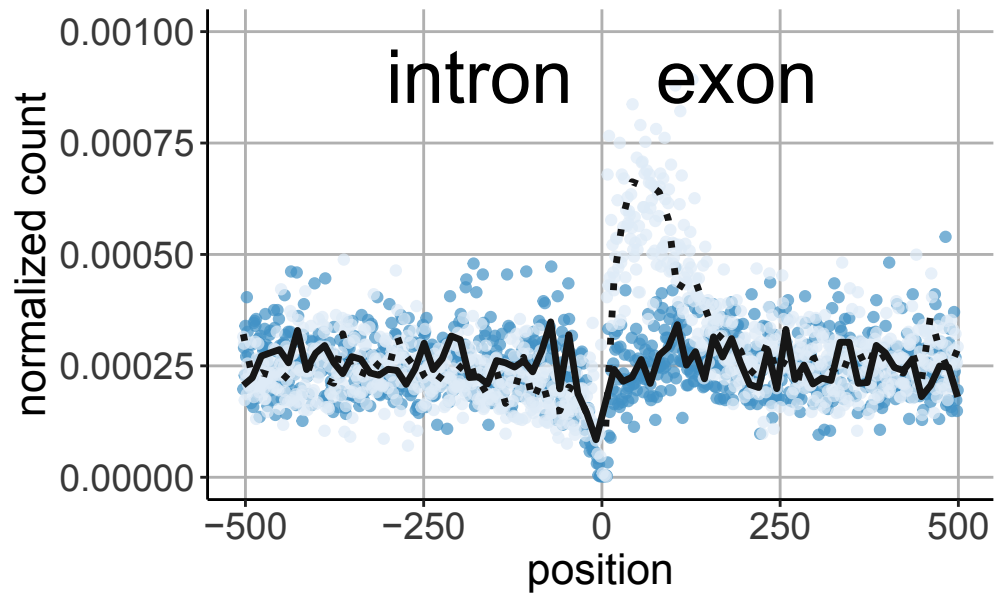




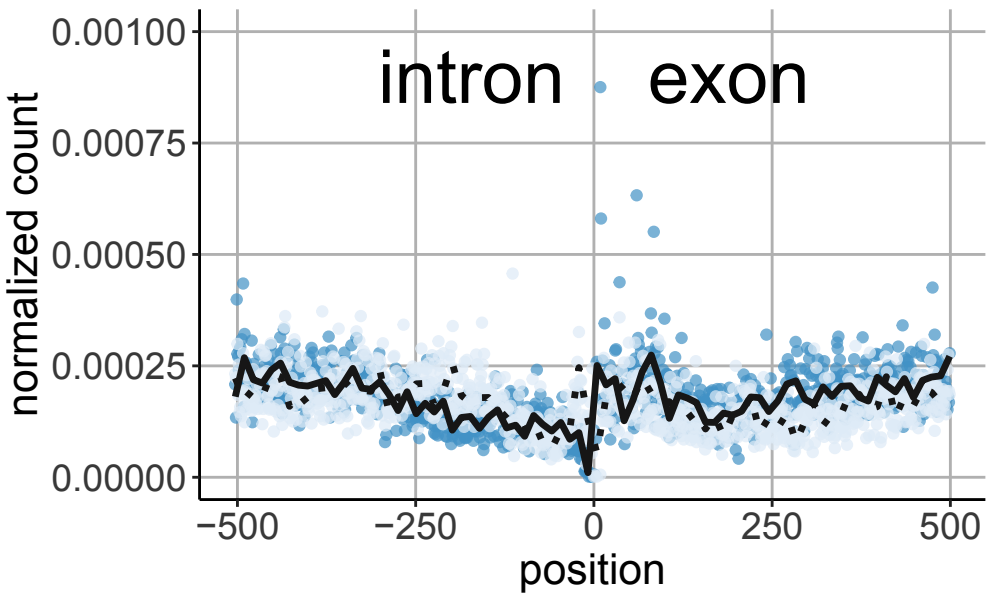

8

acceptor

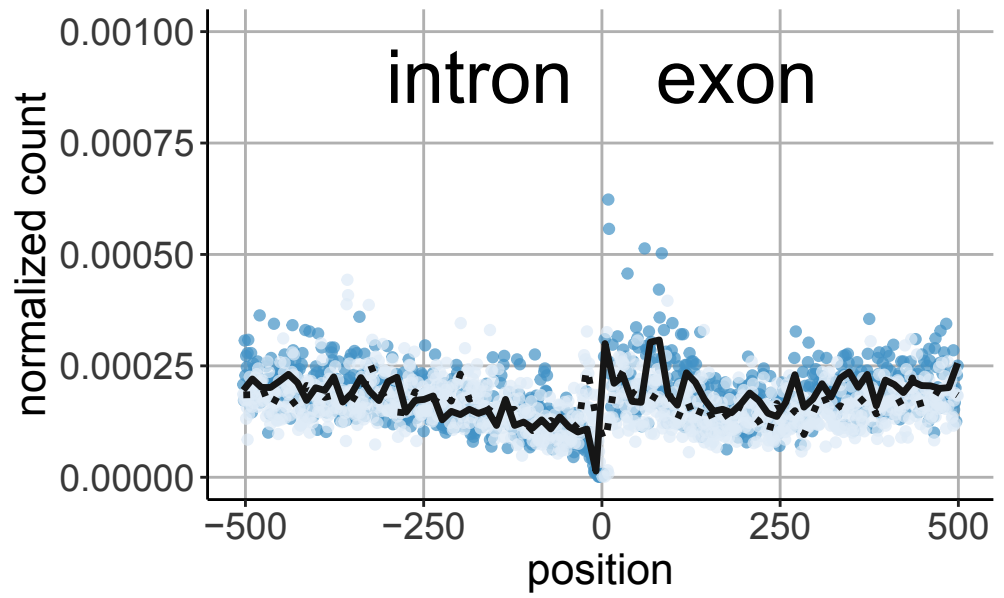
CSTF2T−CGUAGCGUCU



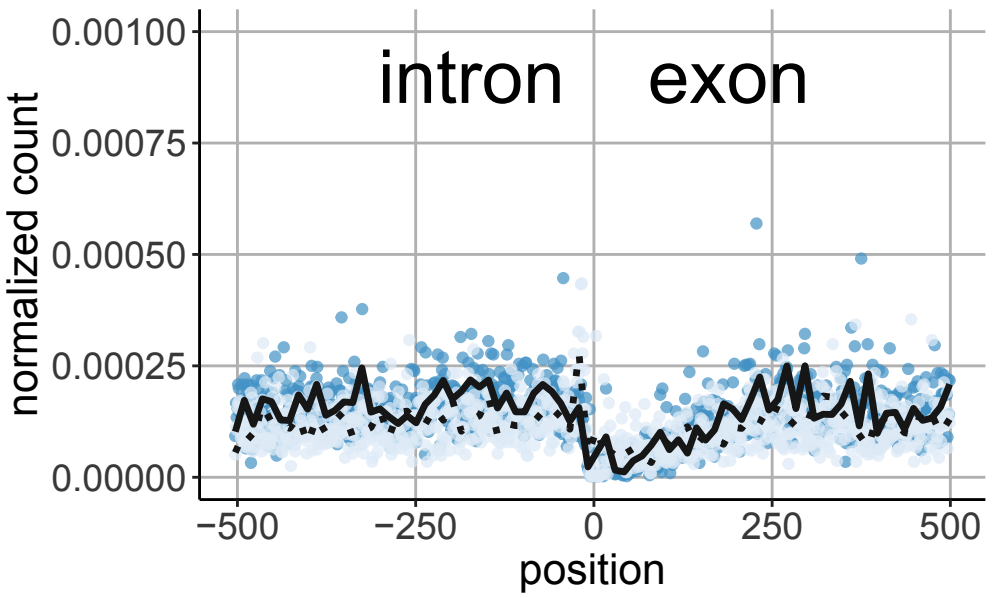

SNRNP70−GNUCANGNNG



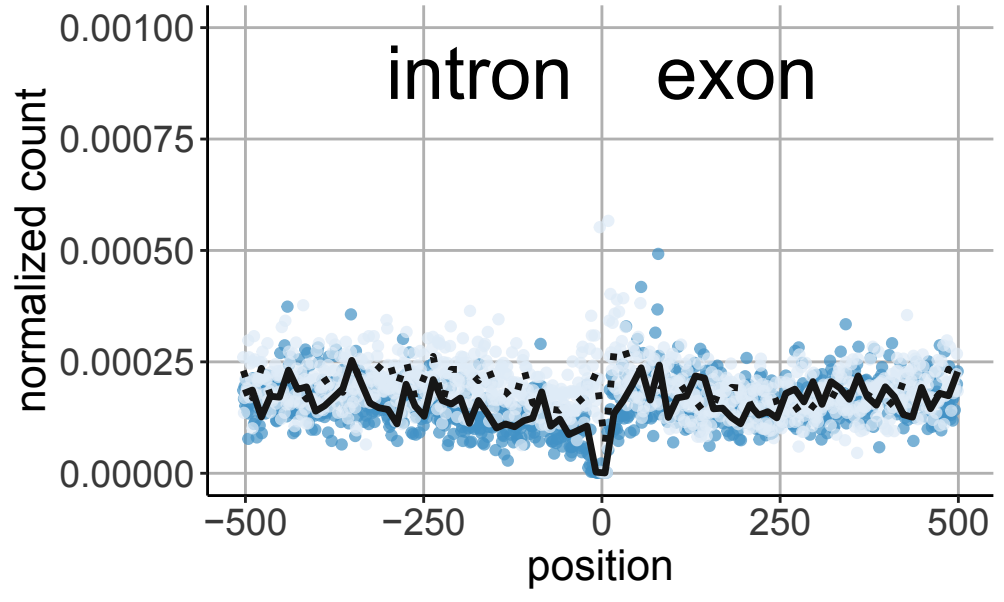

SNRNP70−GUUCAAGGUG



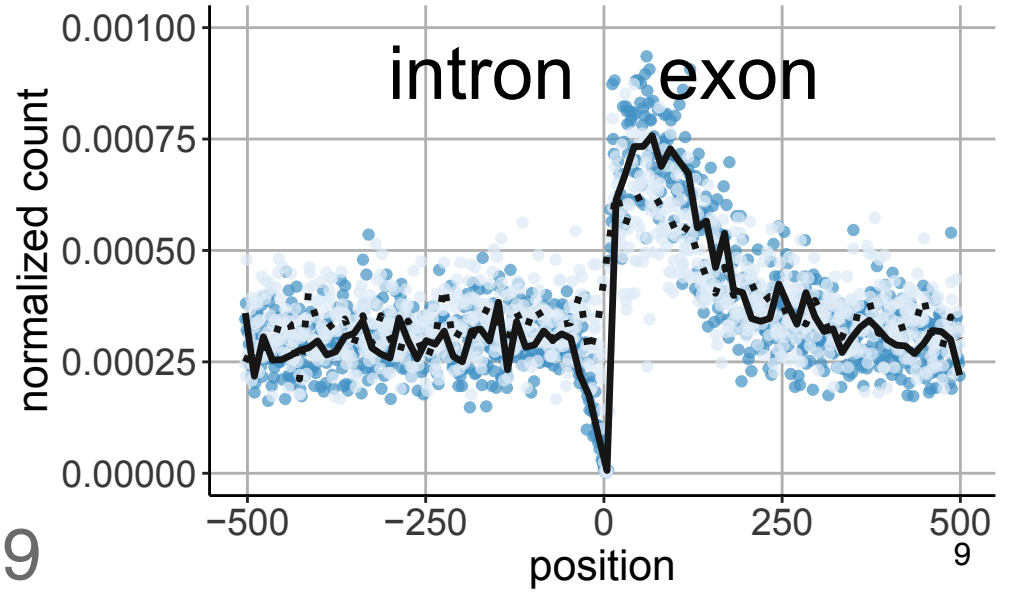

DAZ4−GYUCUAGUUAGYAUC




IGF2BP1−CAGNUWCA




HEXIM2−NGCGACGGKN

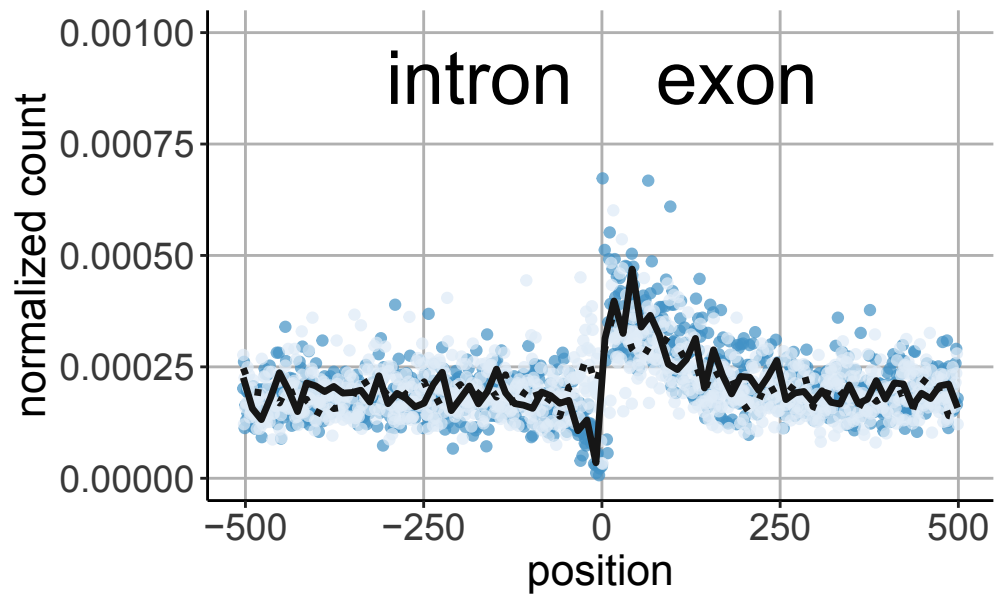





9

acceptor

YBX1−NUAACAUCGGG

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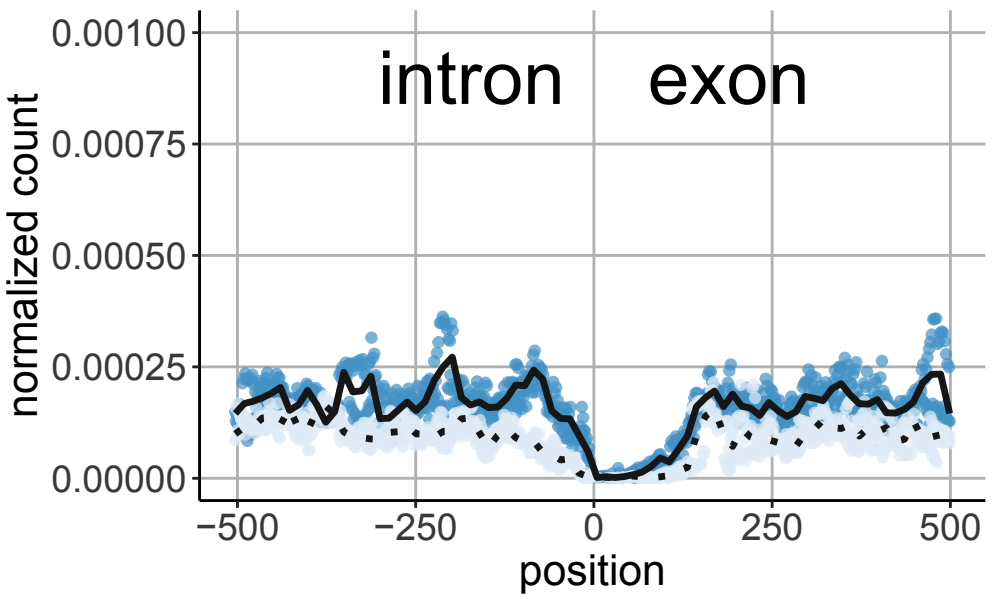
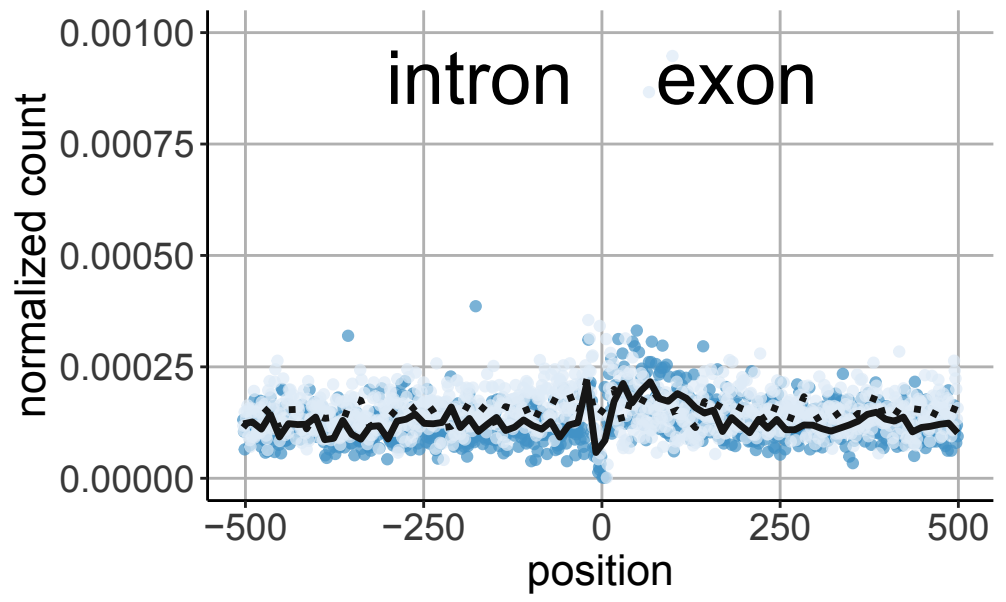



CSDA−UAACAUCA

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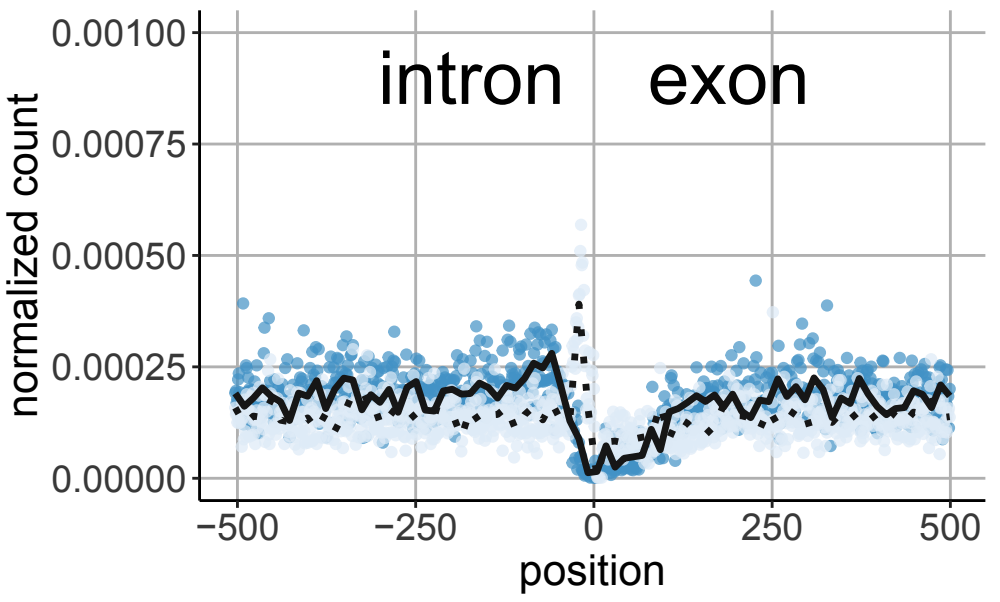


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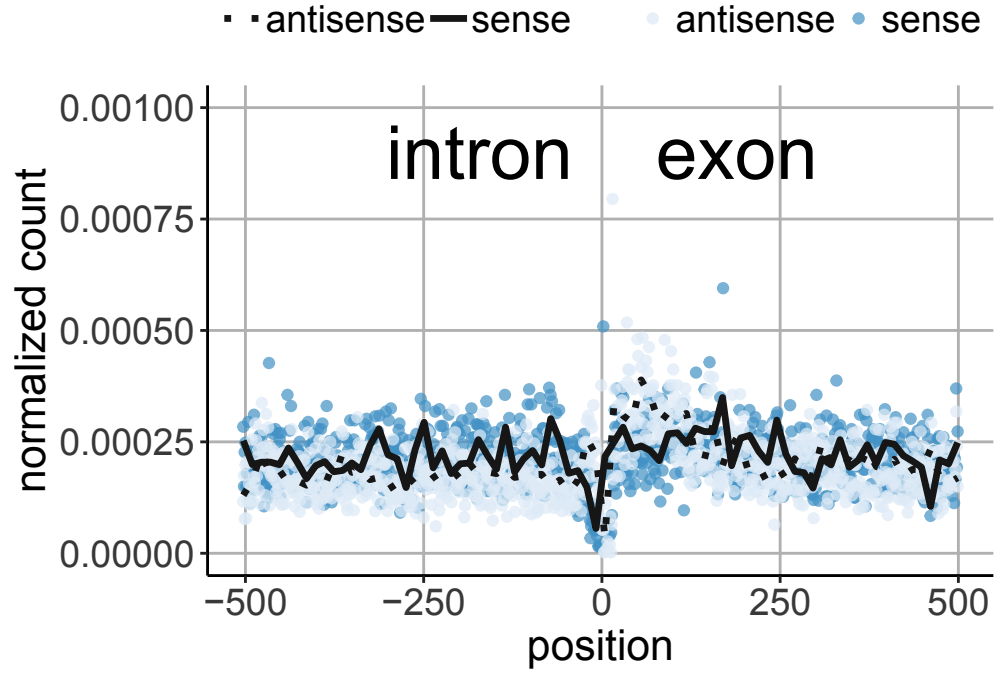


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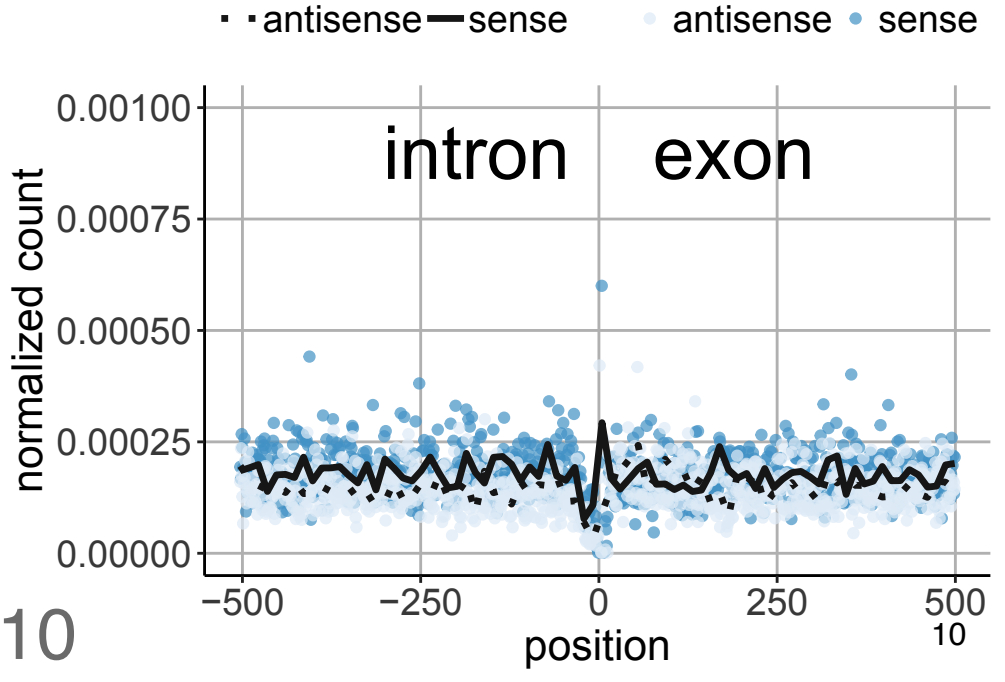




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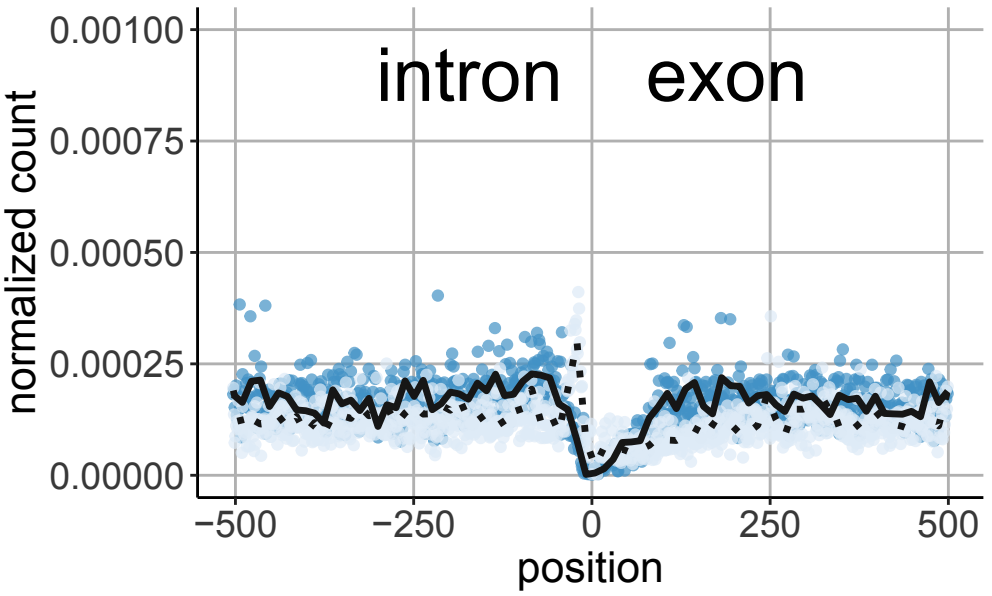
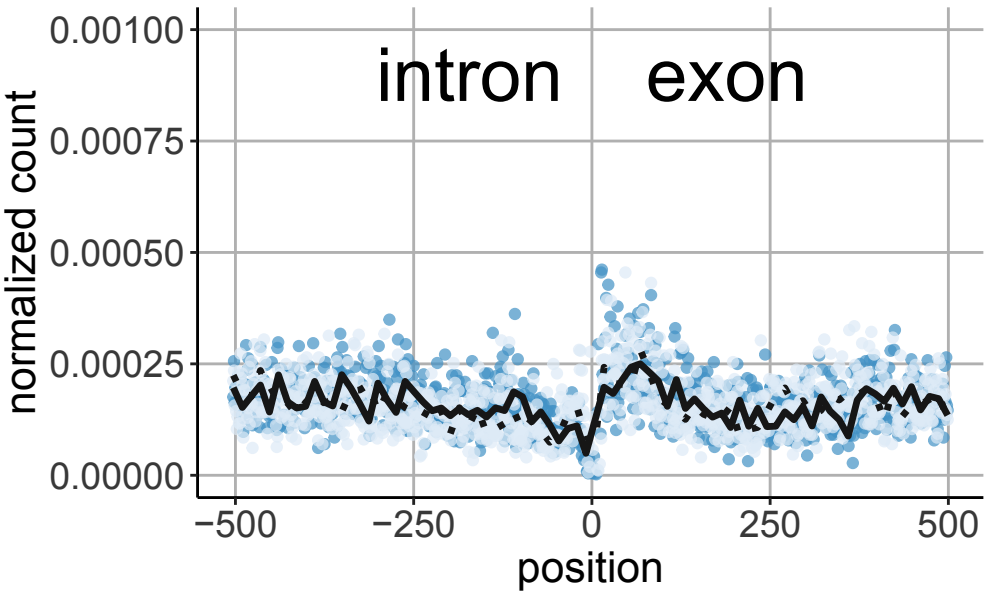
acceptor

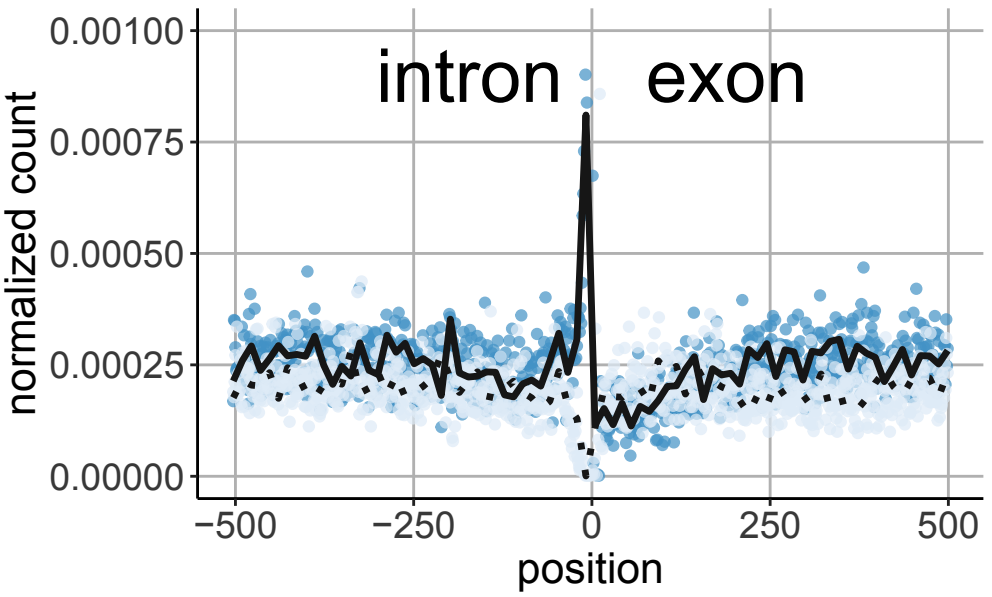
DAZAP1−UUAGGUUAGG




CARHSP1−GCCAUGAUCAUGAU




CARHSP1−UUGCCUUGUCCCGAU

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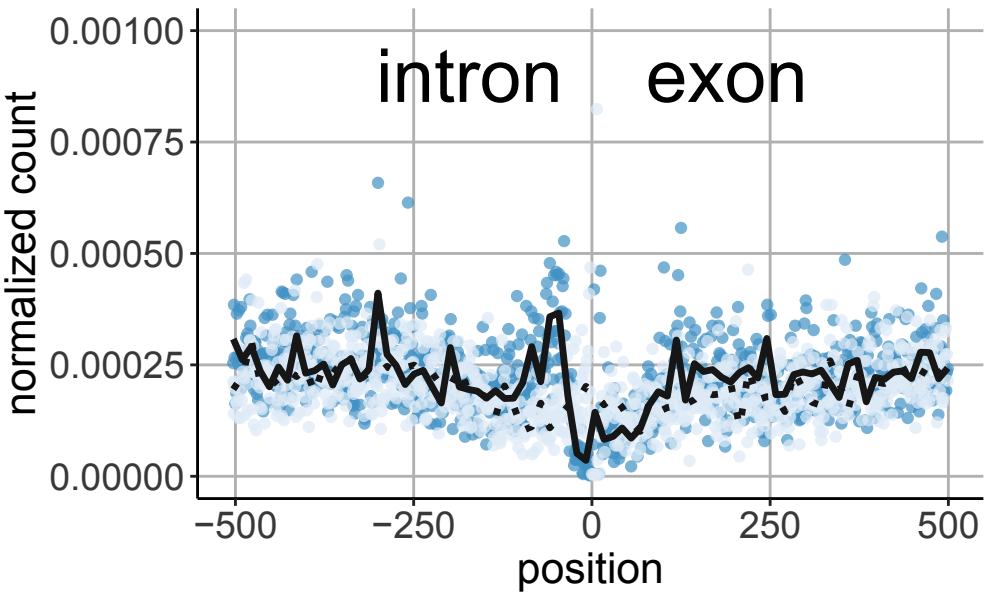
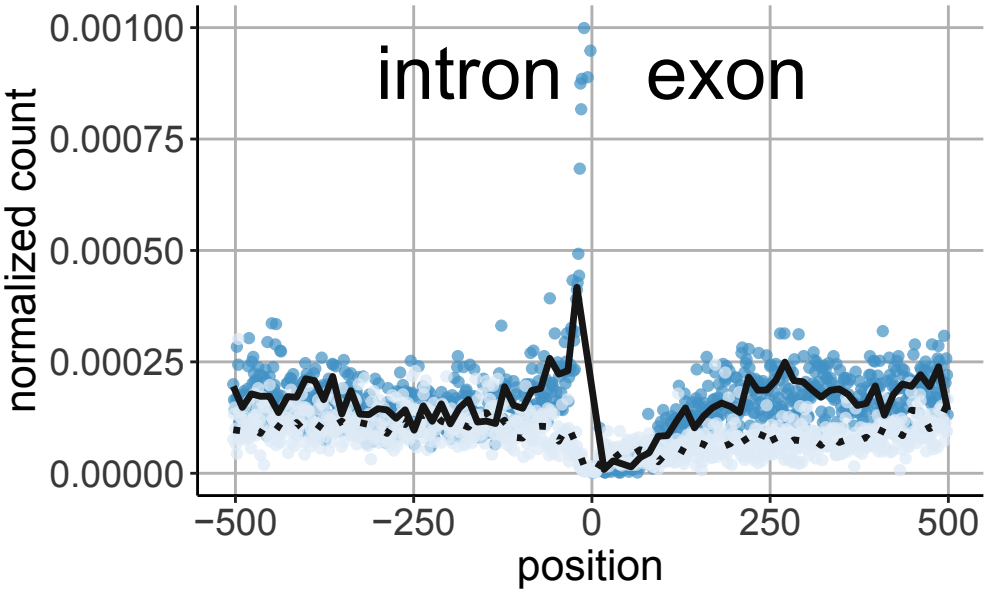
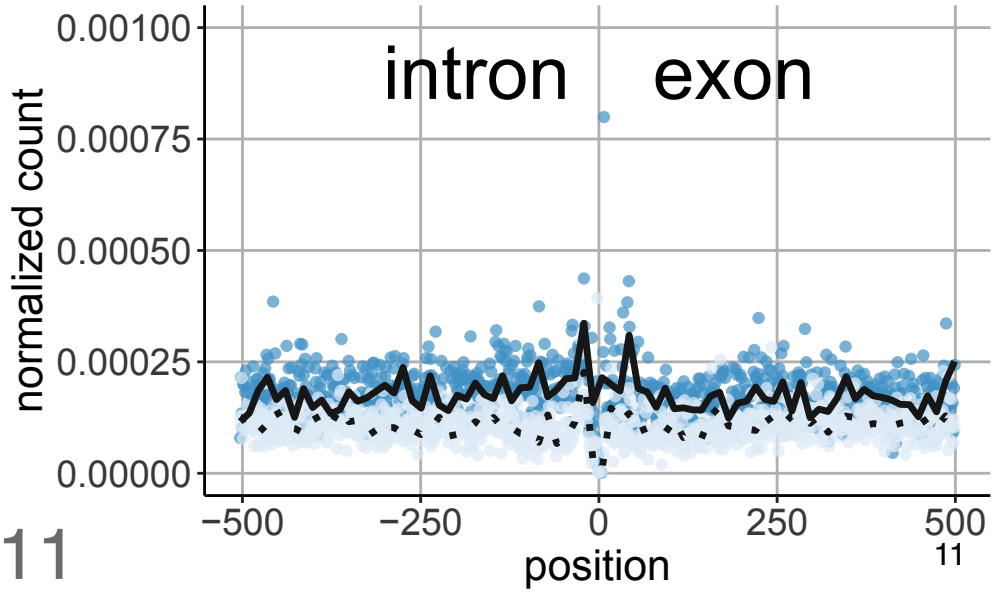



ELAVL1−UUUAUGNUUU




RBM46−GUGAUUG



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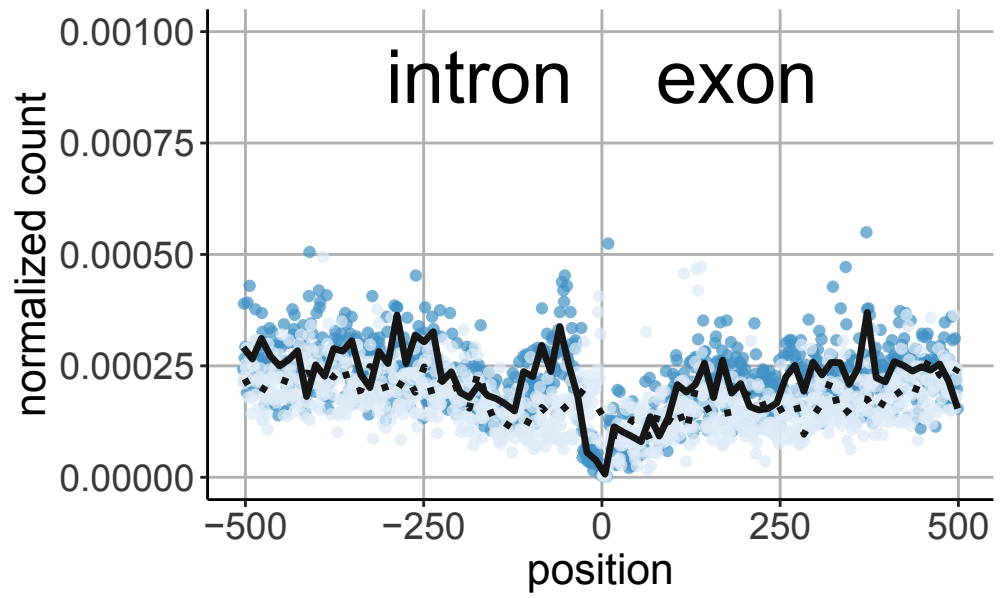
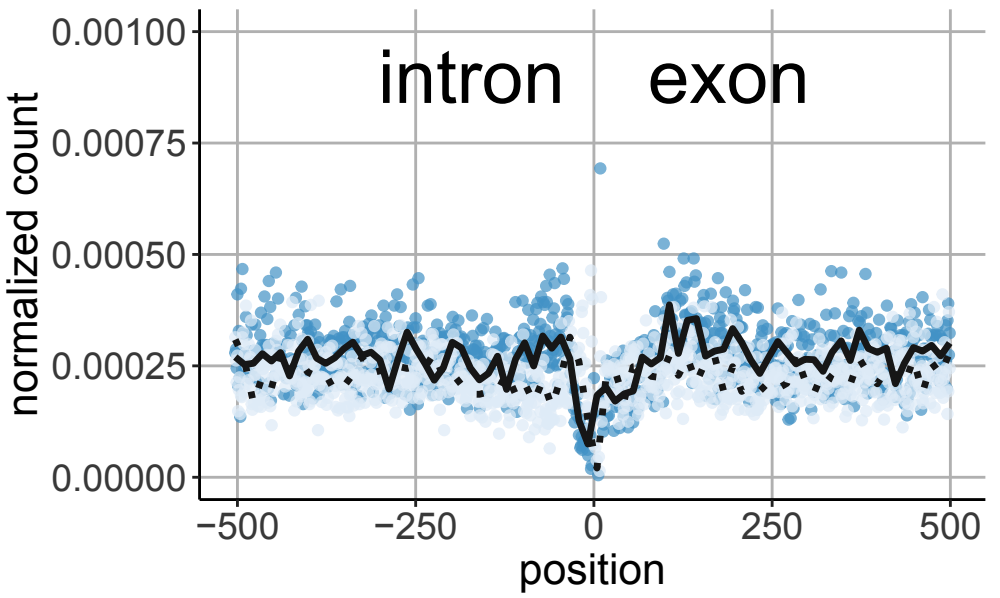
acceptor

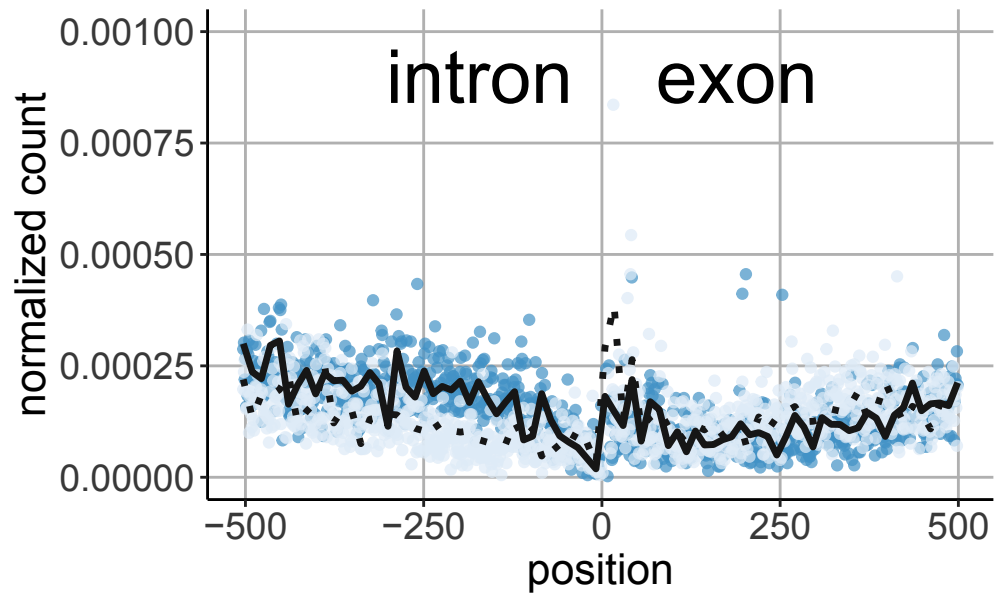
ESRP1_3−GGUGUGGUGU



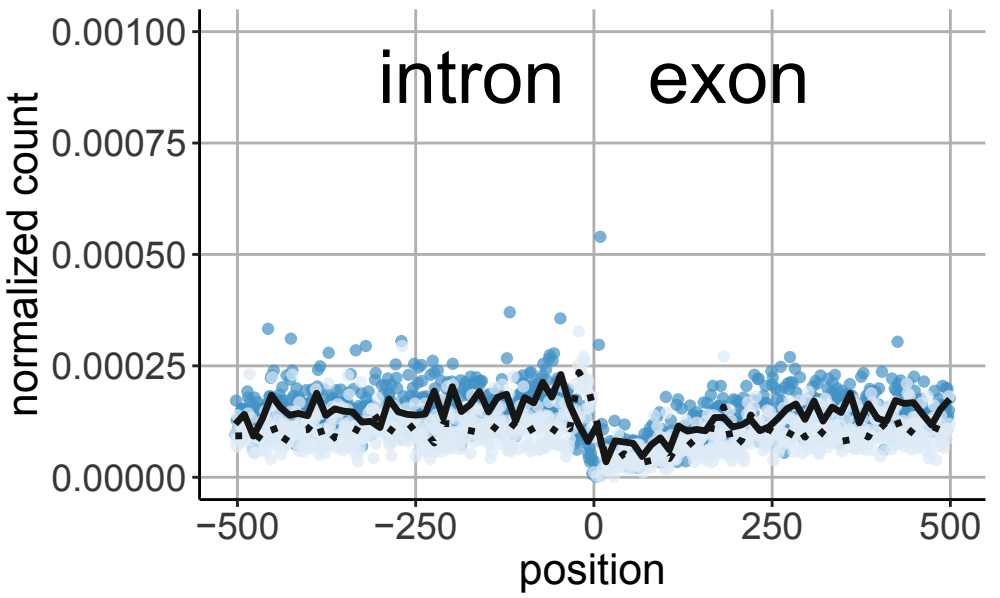

SNRPB2−GGGUGUGCAC



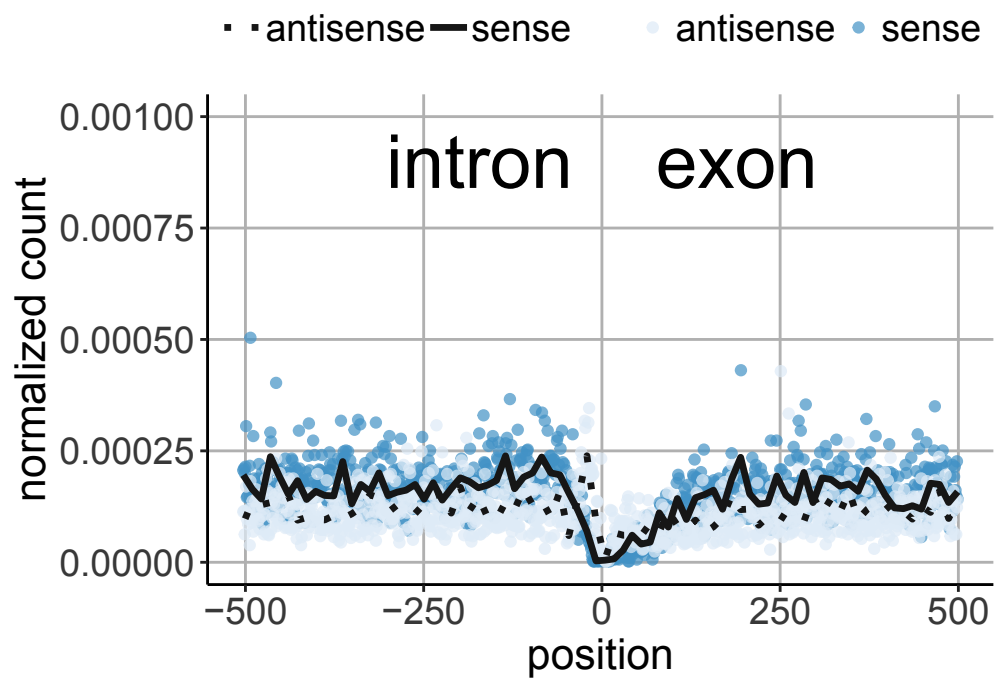

SNRPB2−NNCAUUGCACN




MEX3C−NNAGAGUUUAUNN




HNRNPA0−KUAGKUUAGGK

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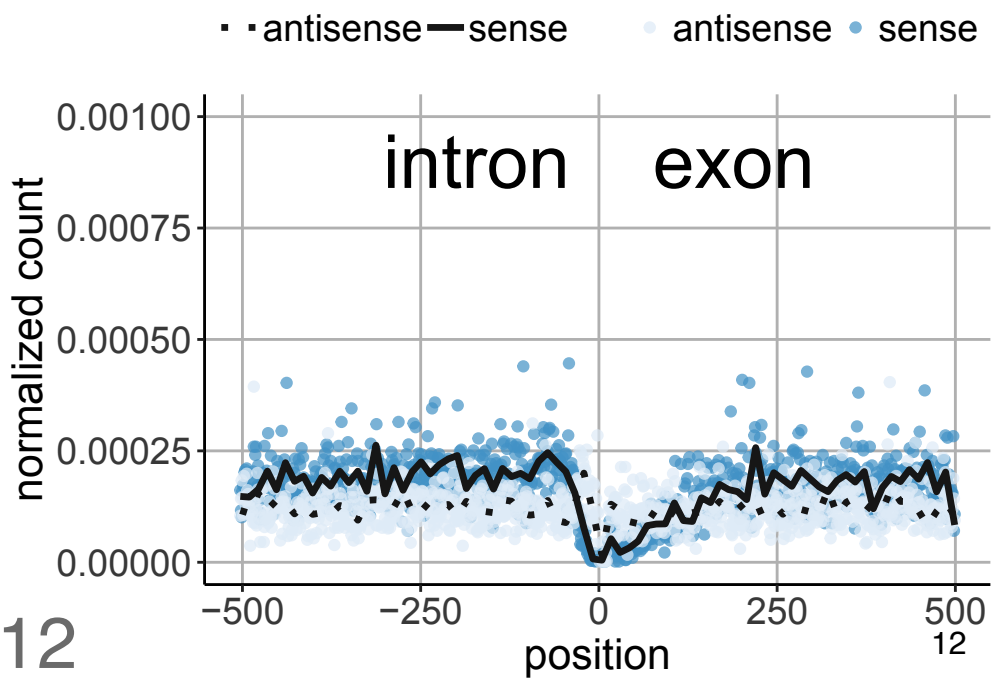




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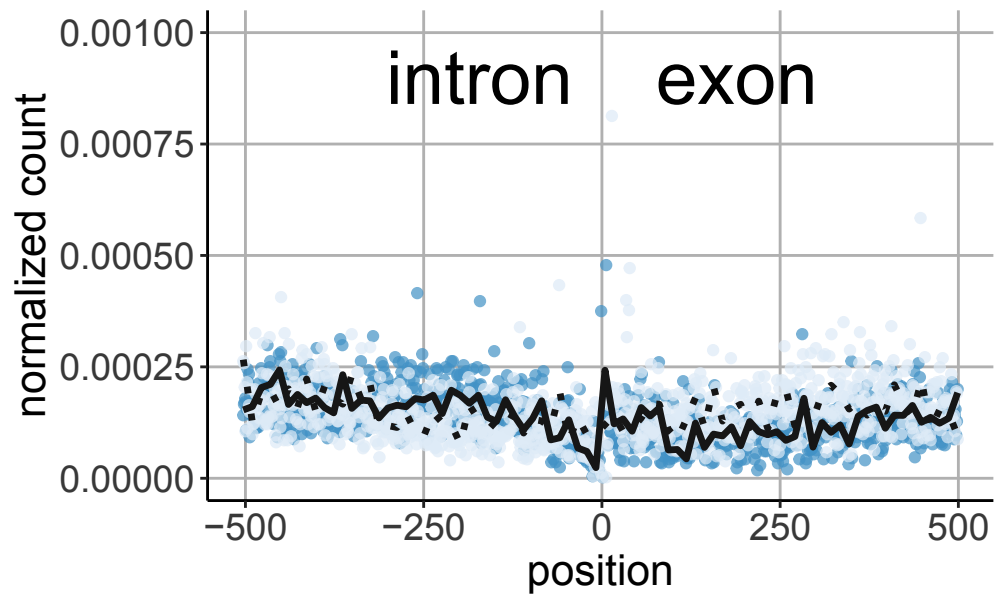
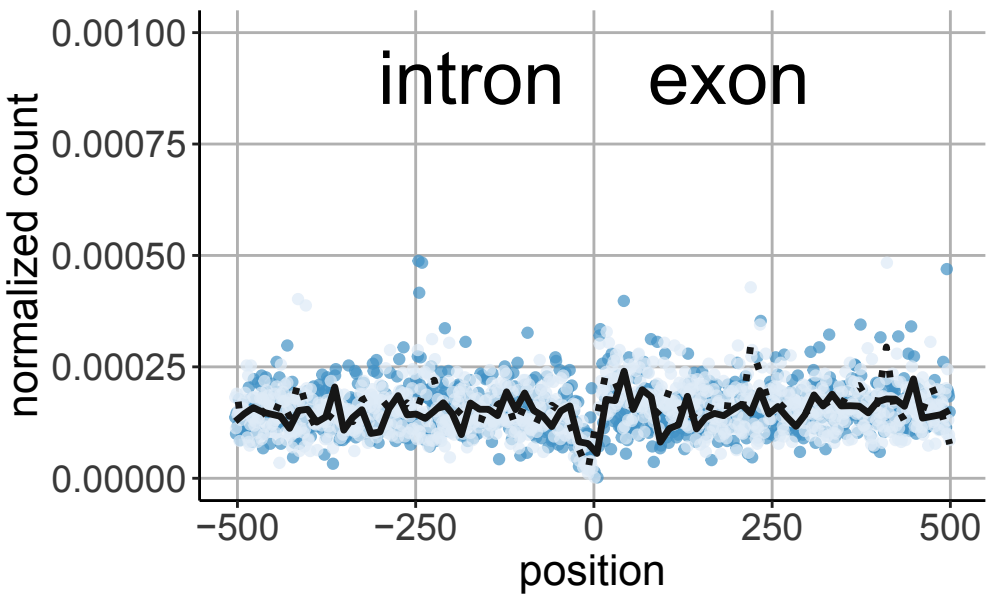
acceptor

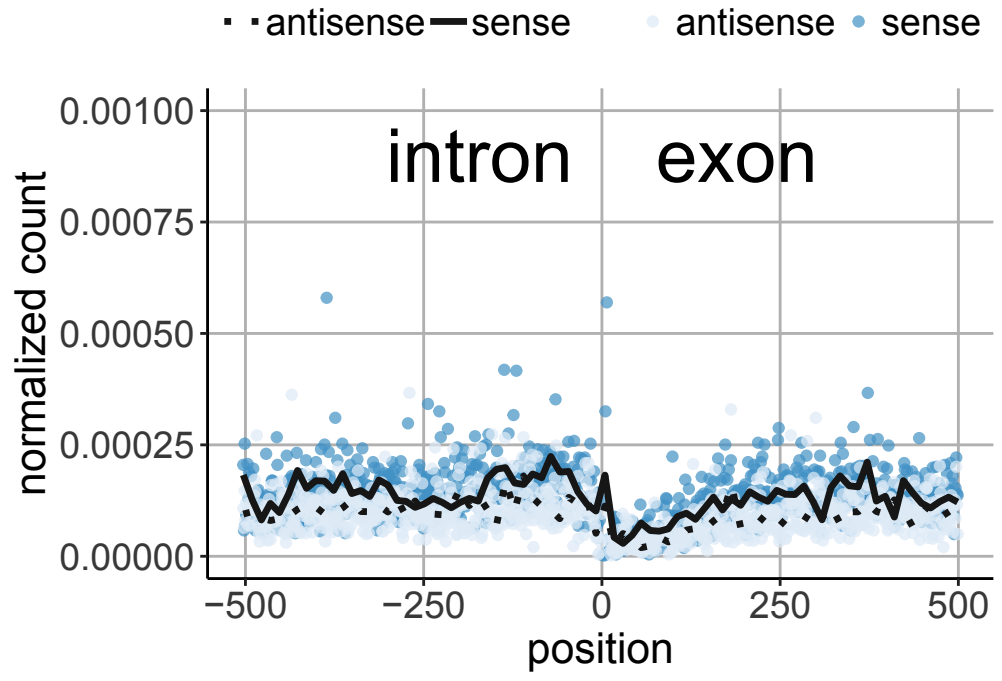
SNRPA−CAUUGCACN



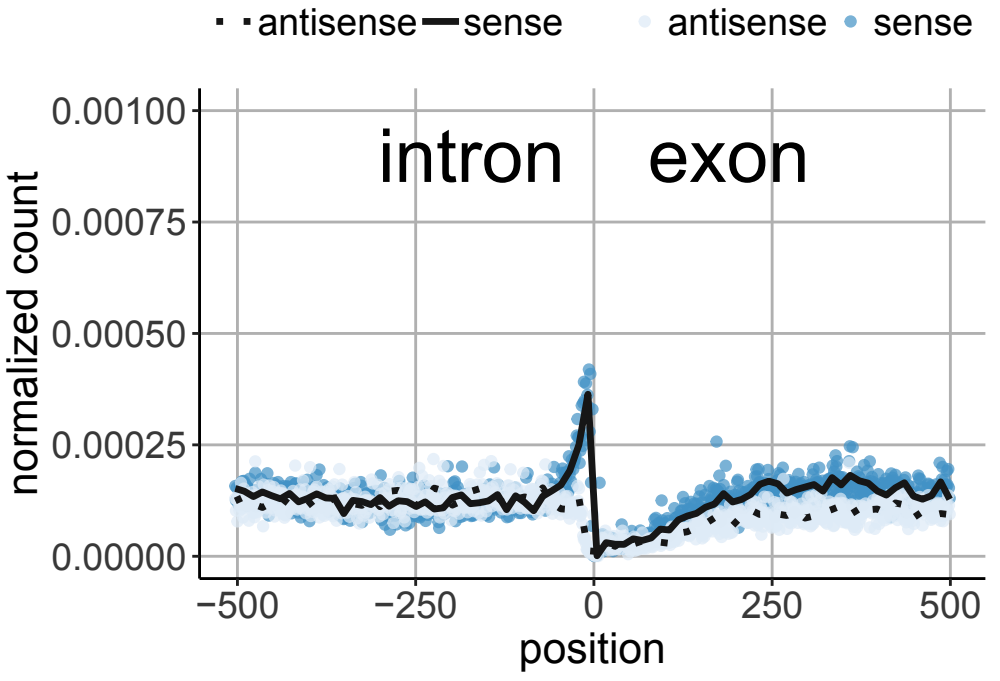

SNRPA−NUGCACR



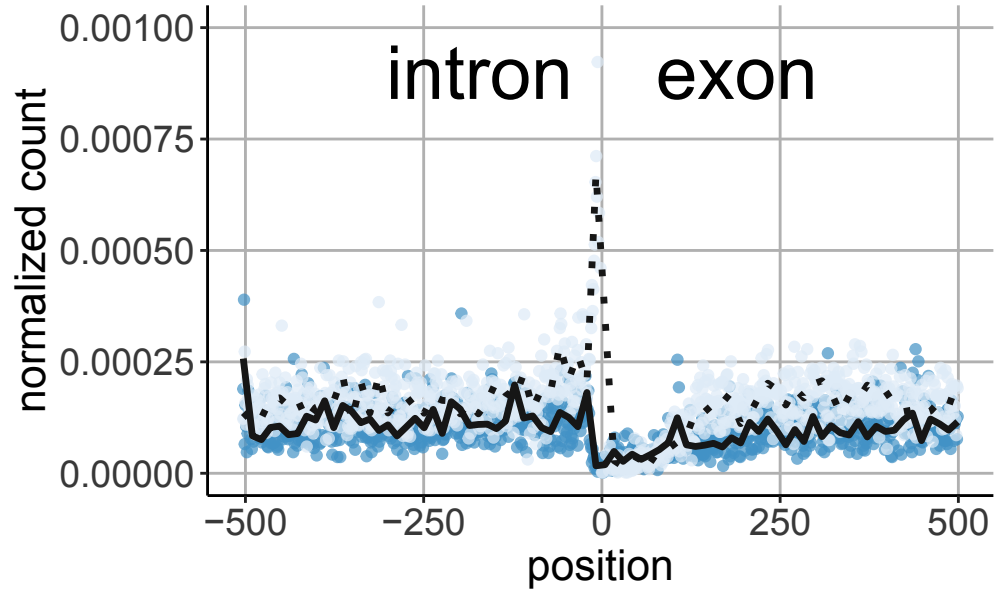

MEX3B_3−UAGAGUUUAU



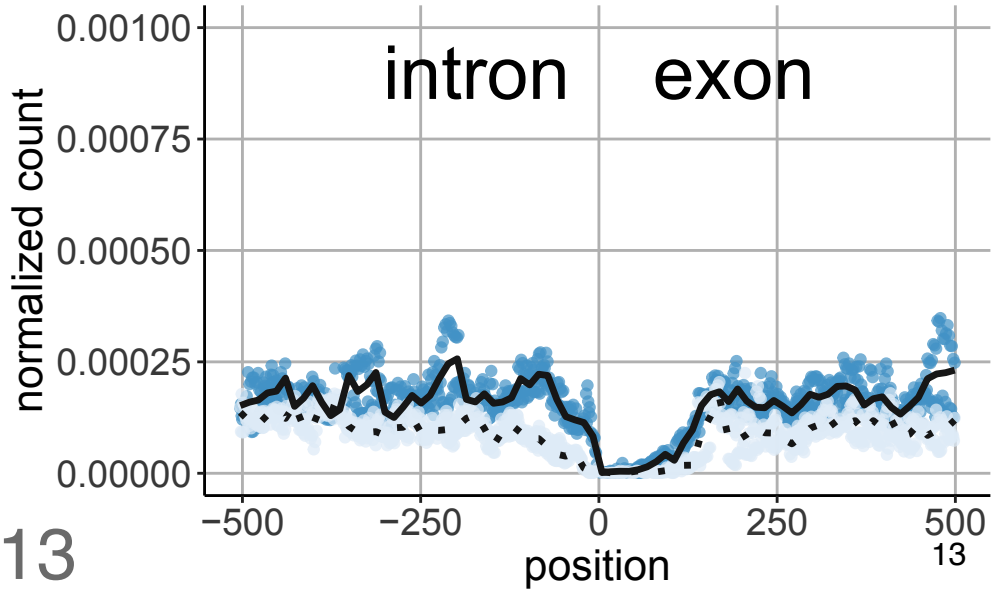

MEX3B_3−UAUUUAU




KHDRBS2−UAAACAAUAA




CELF3_2−UGUGUNUGUGU



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acceptor

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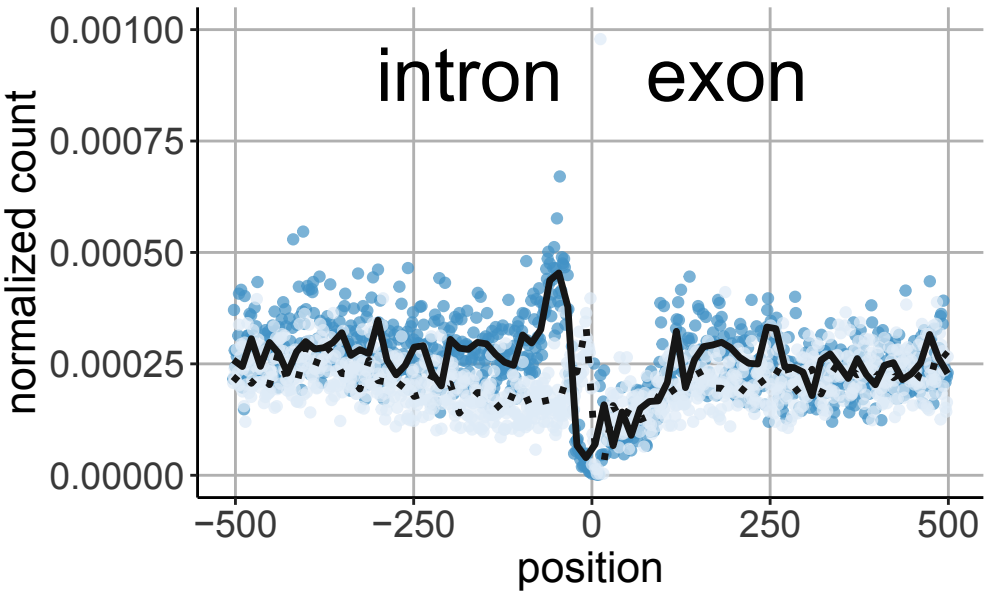
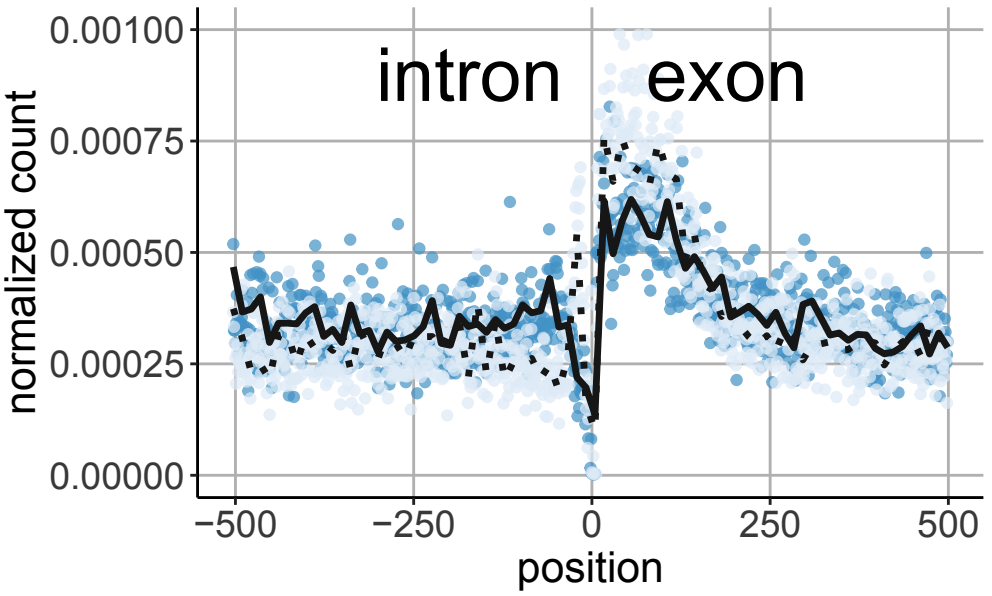
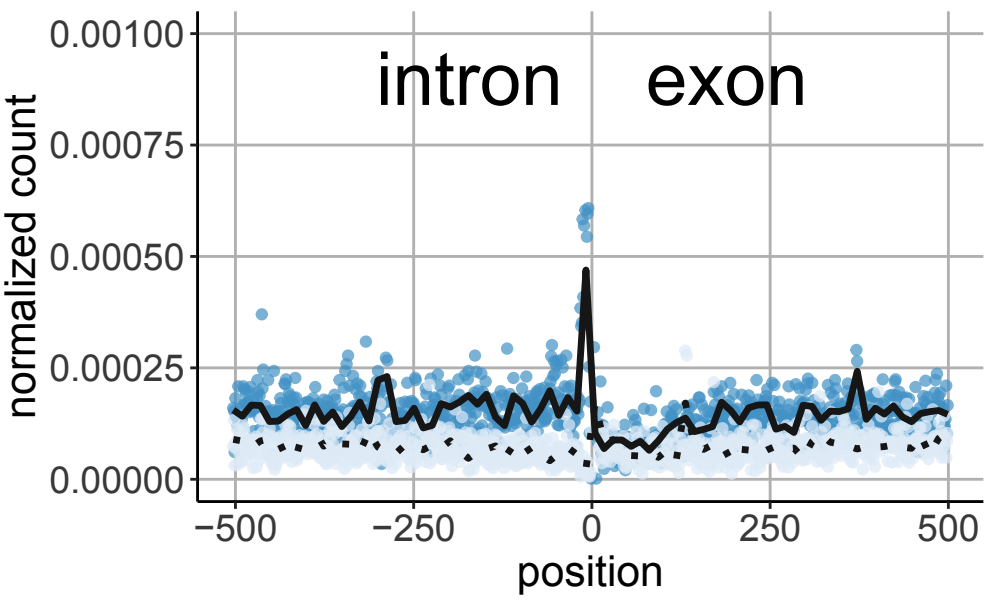



RBM14−UGCGUCG




CELF4−UGUGUUGUGU

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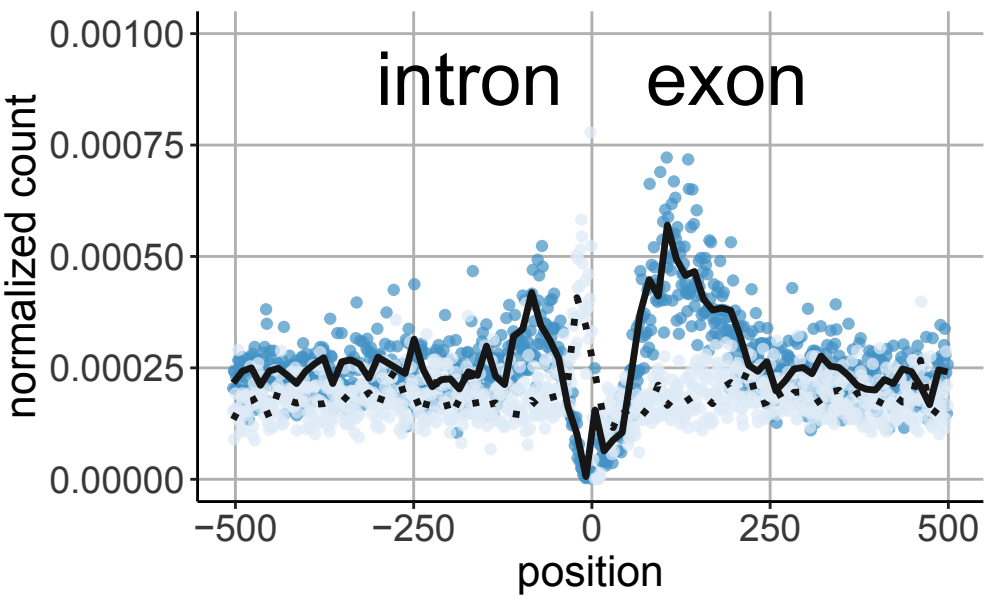
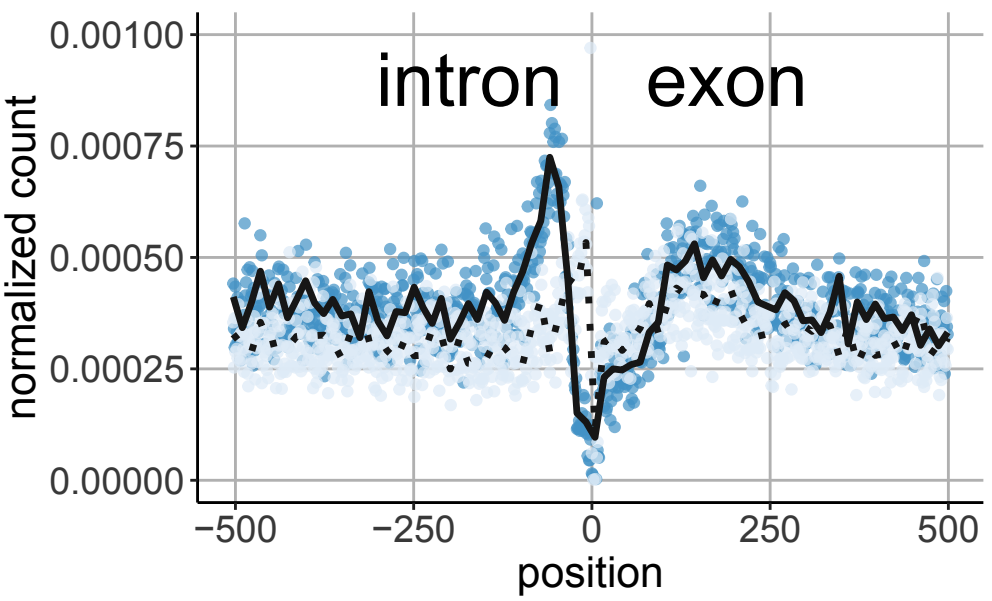
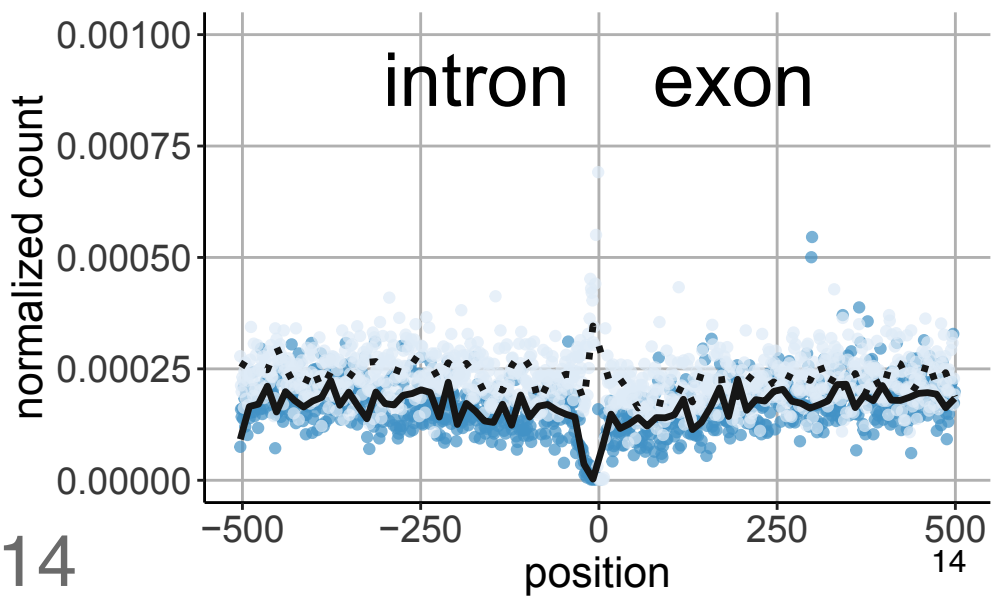



RBM4−CGGGGURUGN




RBPMS−NAGGCACR



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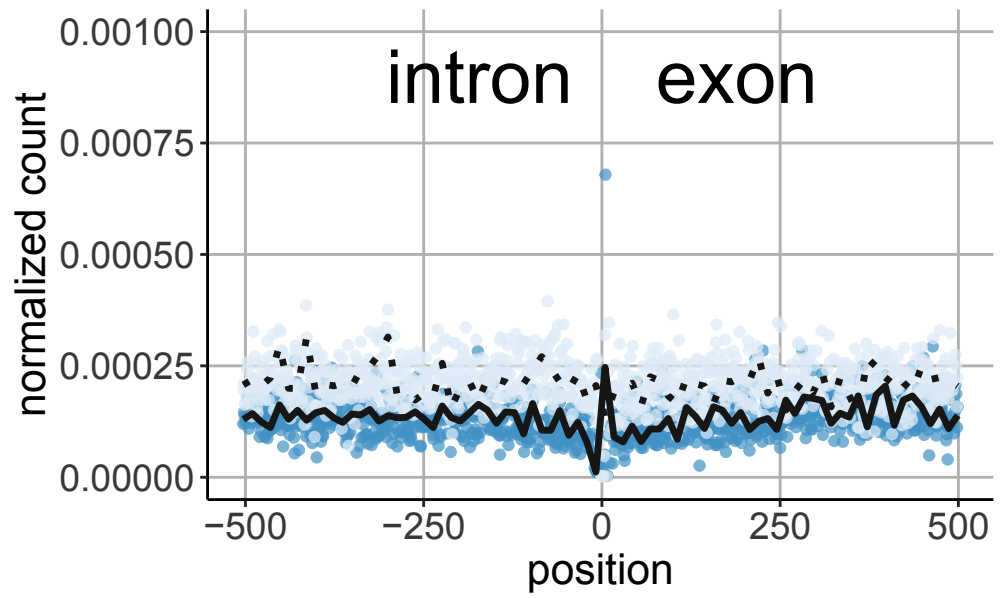
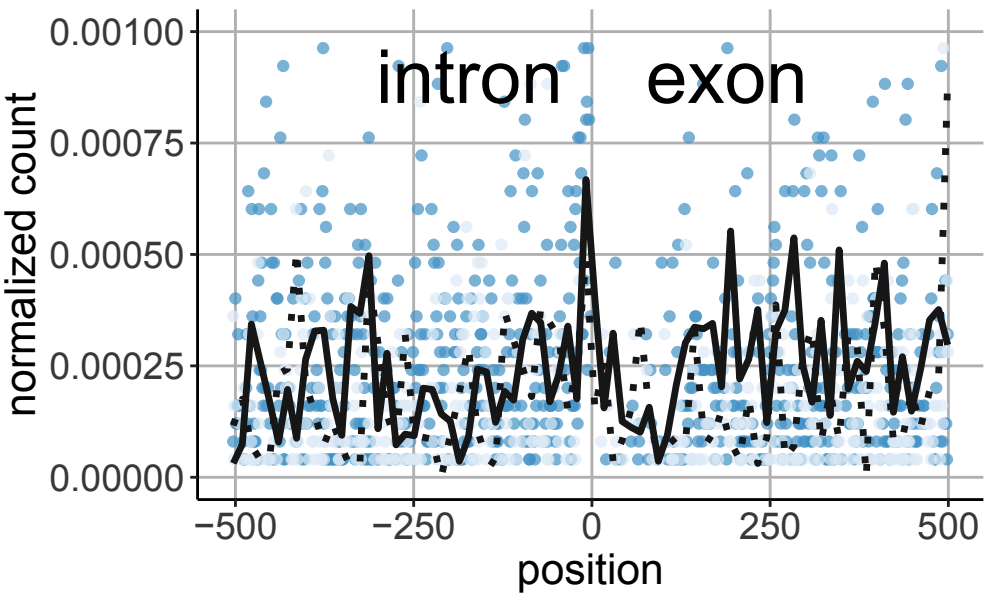
acceptor

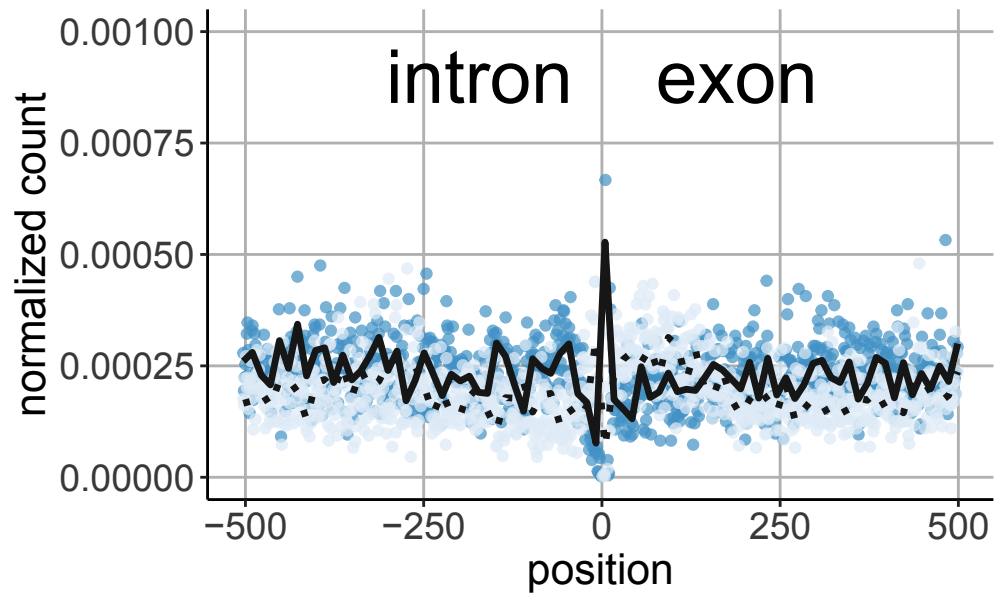
RBPMS−UCACGNGCACN



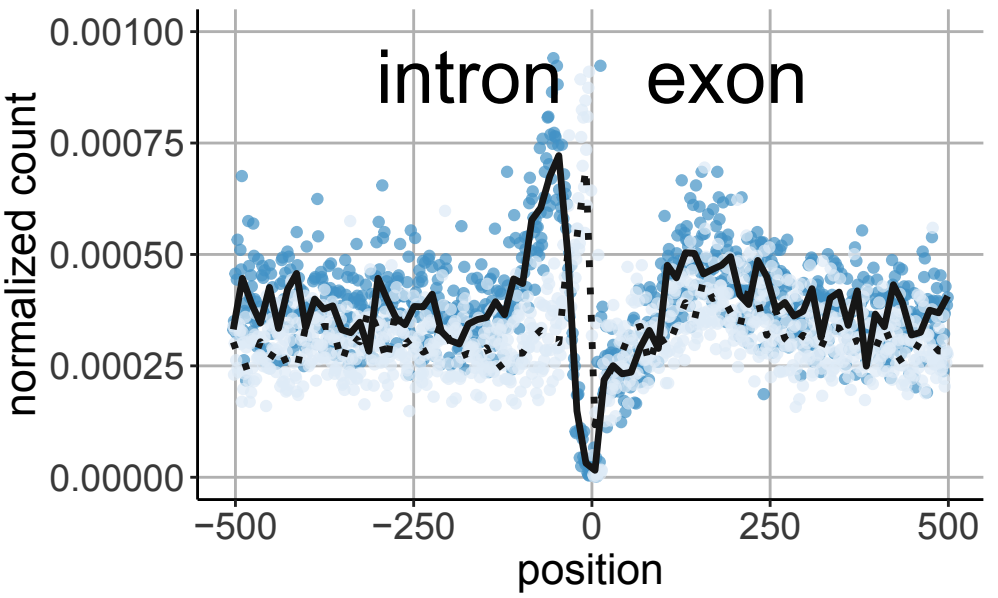

CELF1_2−UGUGUNUGUGU




CSTF2−RRGGCGUAGCGUNN




RBM28−GRGGCCGNGCGGUGG

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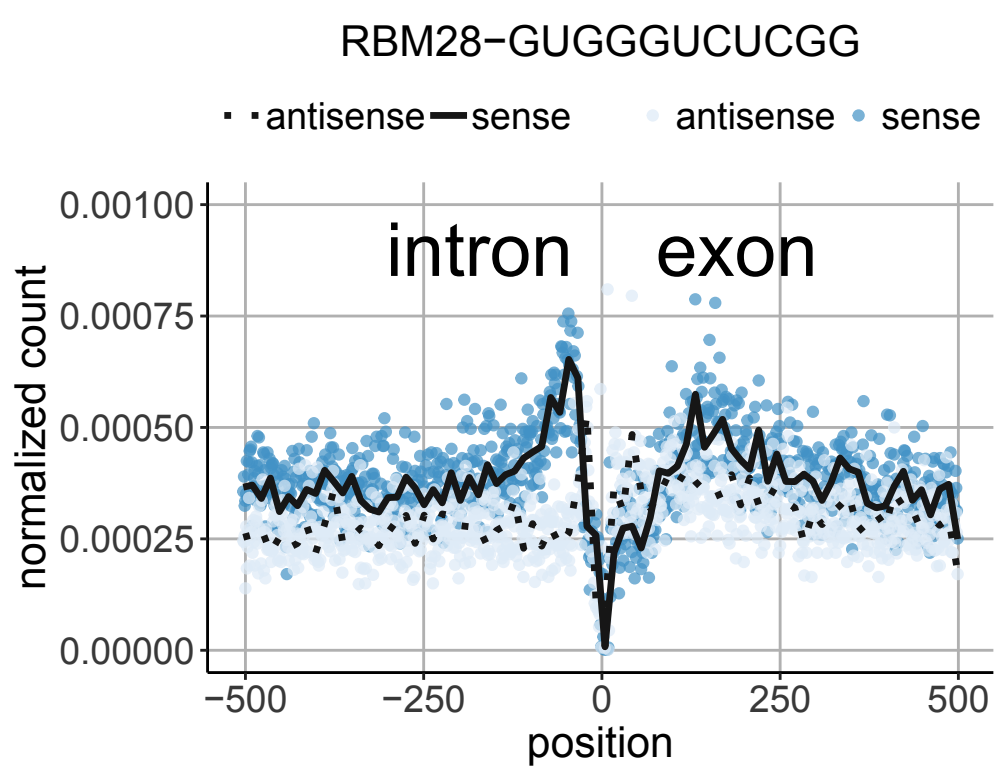
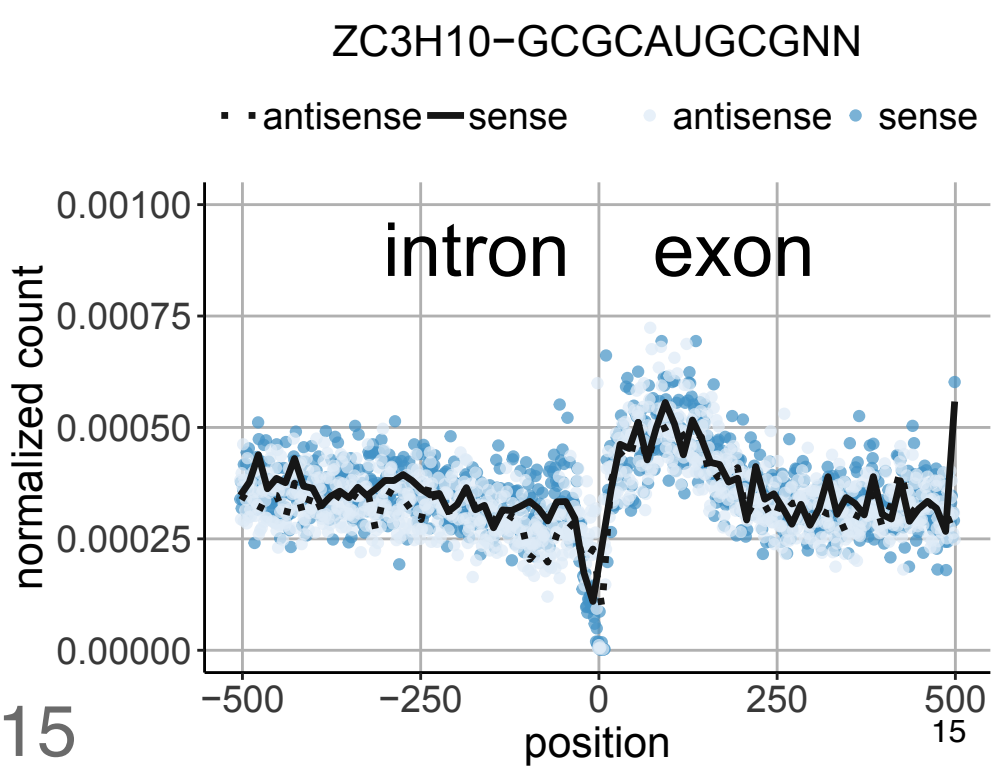



ZC3H10−GCGCAUGCGNN



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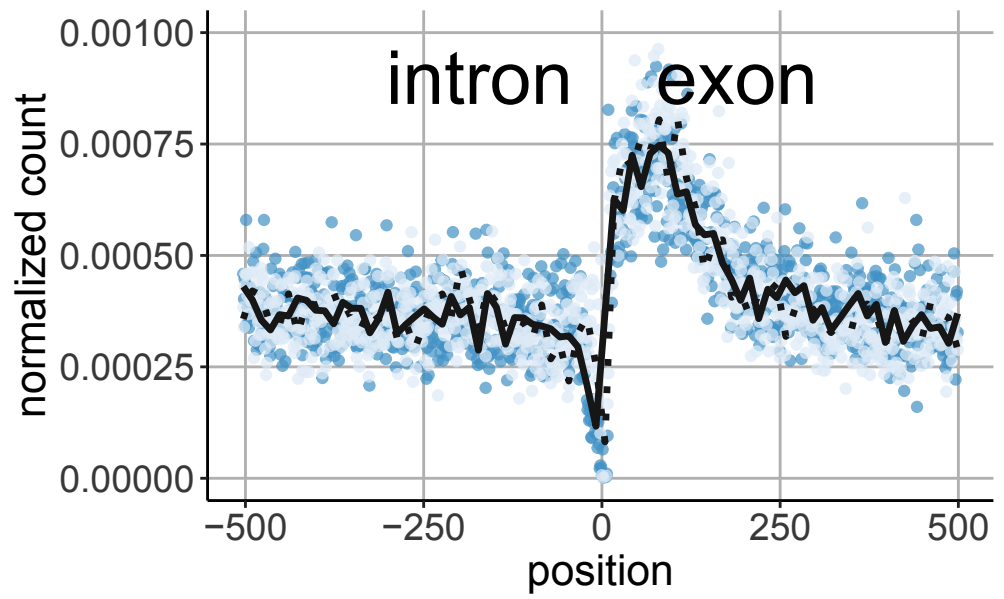
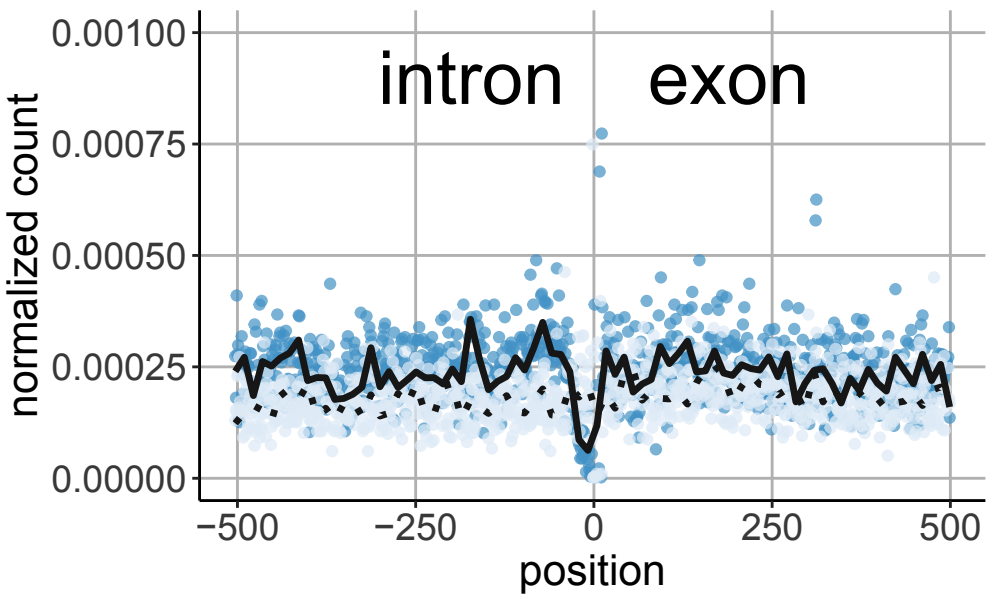
acceptor

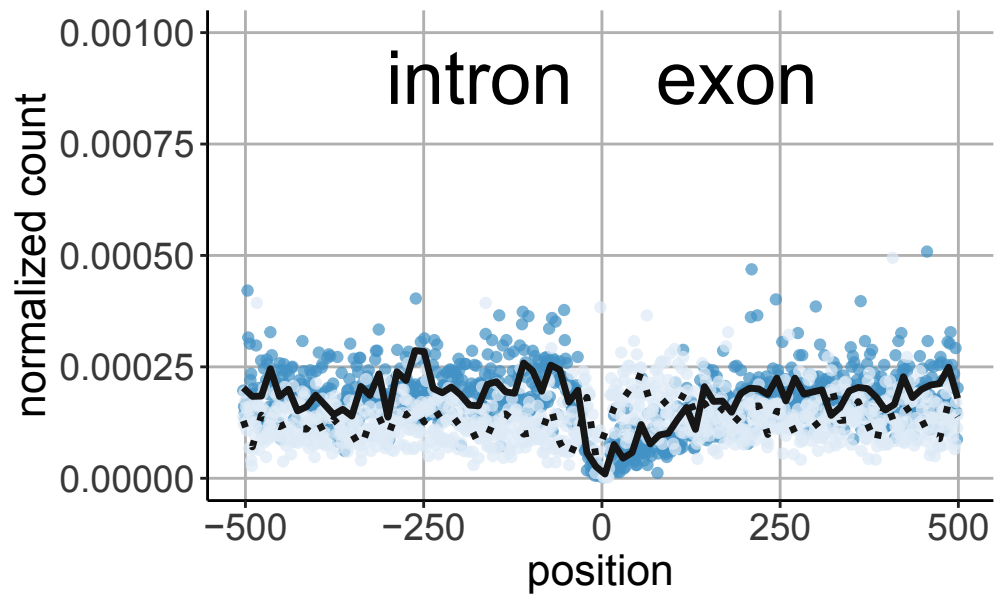
ZC3H10−NGCGCAGCGUN



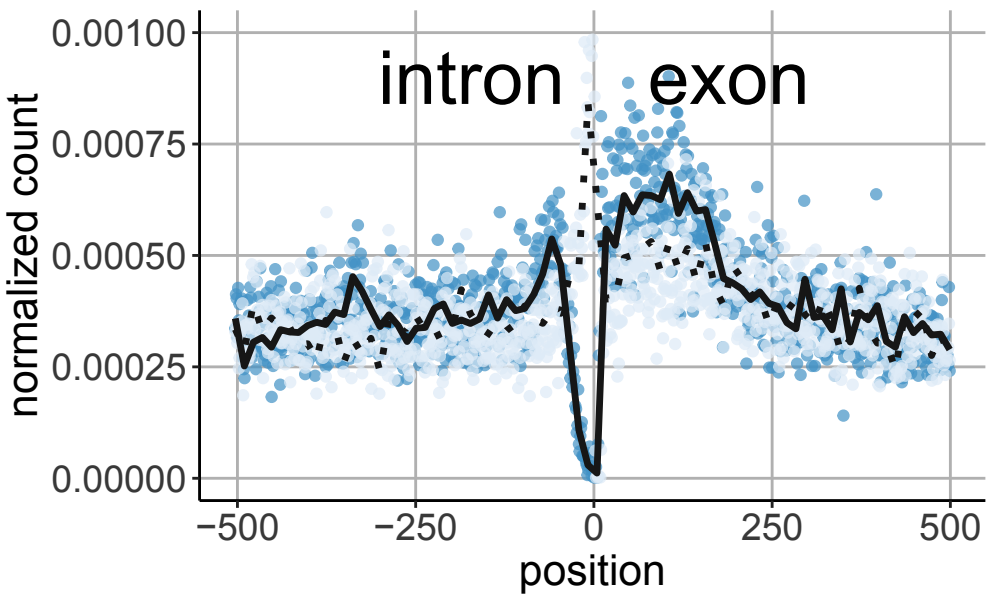

RBFOX1_2−GCAUGNNGCAUG



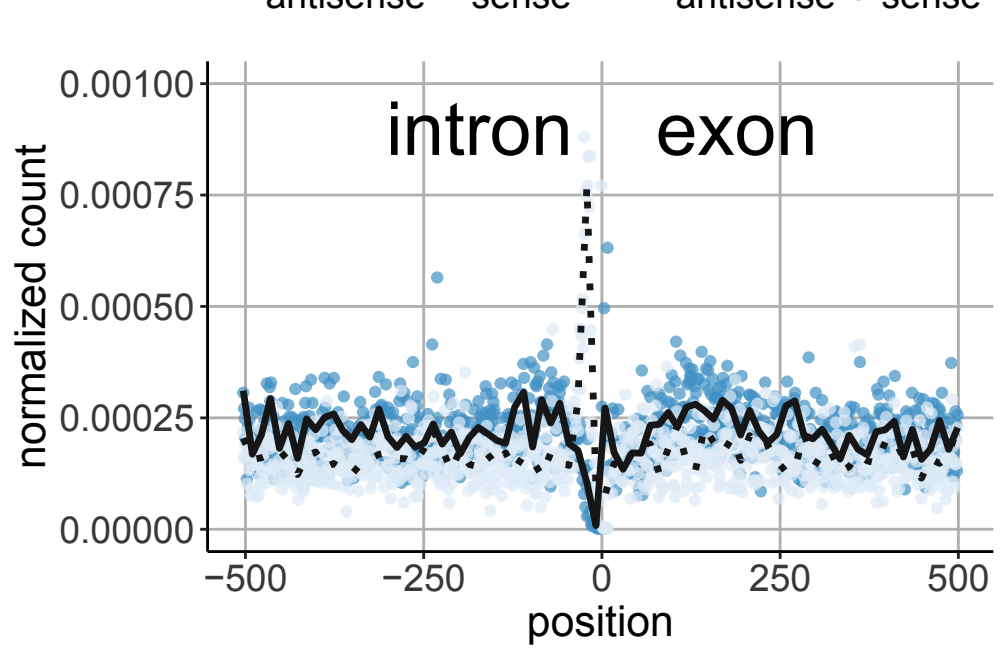

MSI1−KUAGUWKUAGK



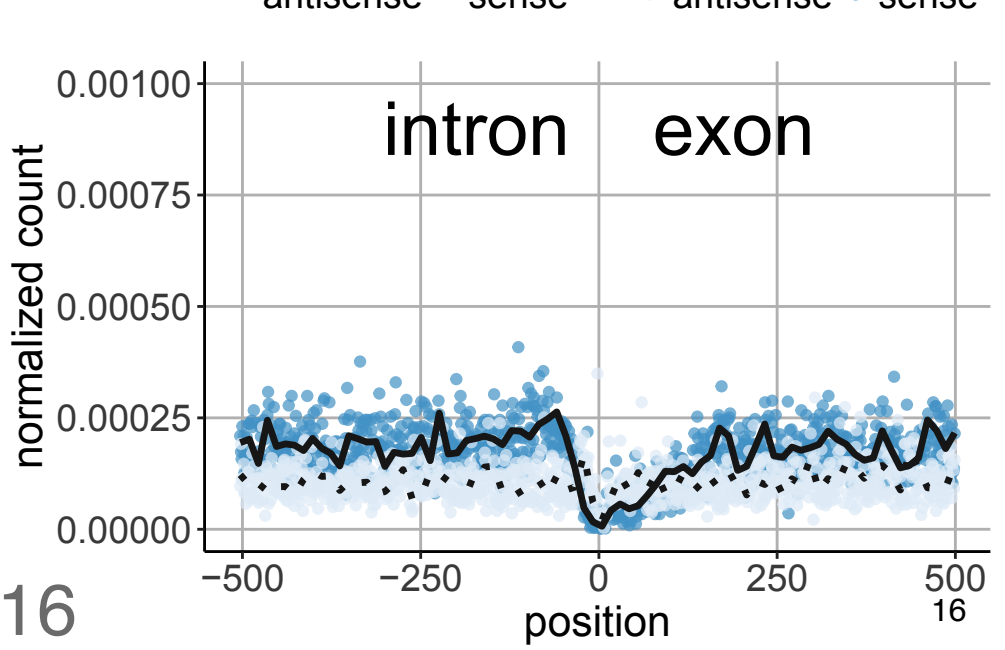

HEXIM1−GKDKCGACGGK




SART3−NGUUAGCRK




MSI2−GUAGUGDGUAGK



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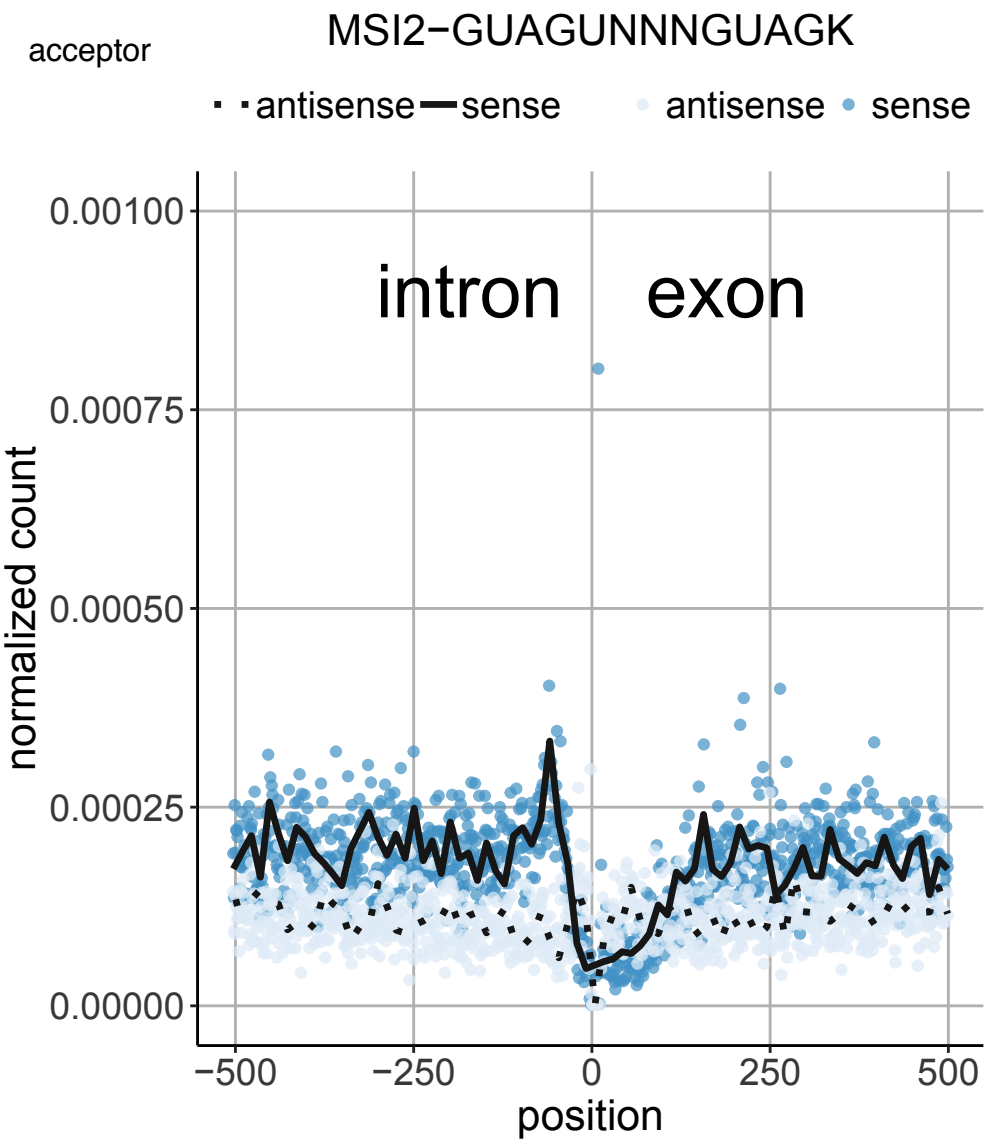
acceptor


MSI2−GUAGUNNNGUAGK
antisense
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antisense
sense
intron
exon
normalized count
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0.00000
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−250
0
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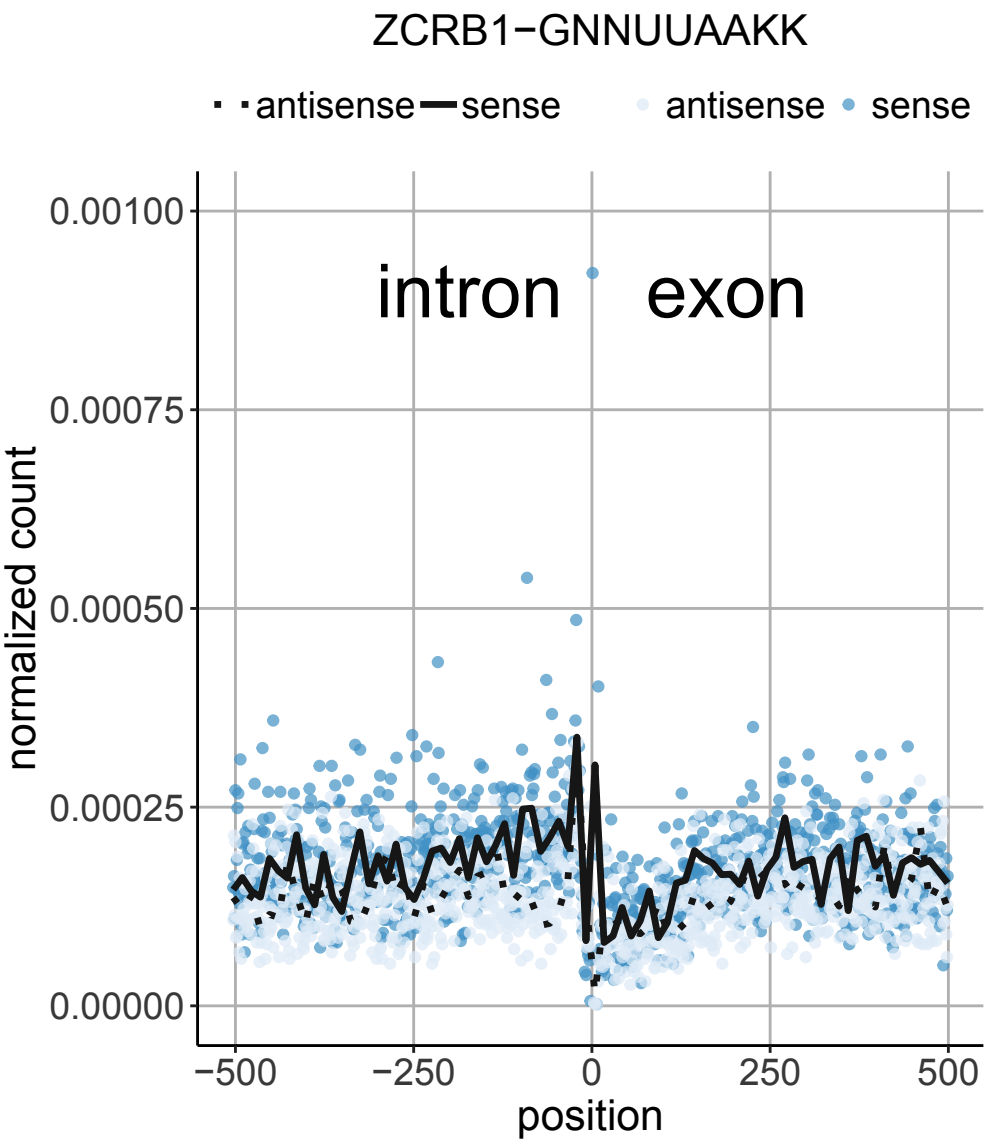
500
position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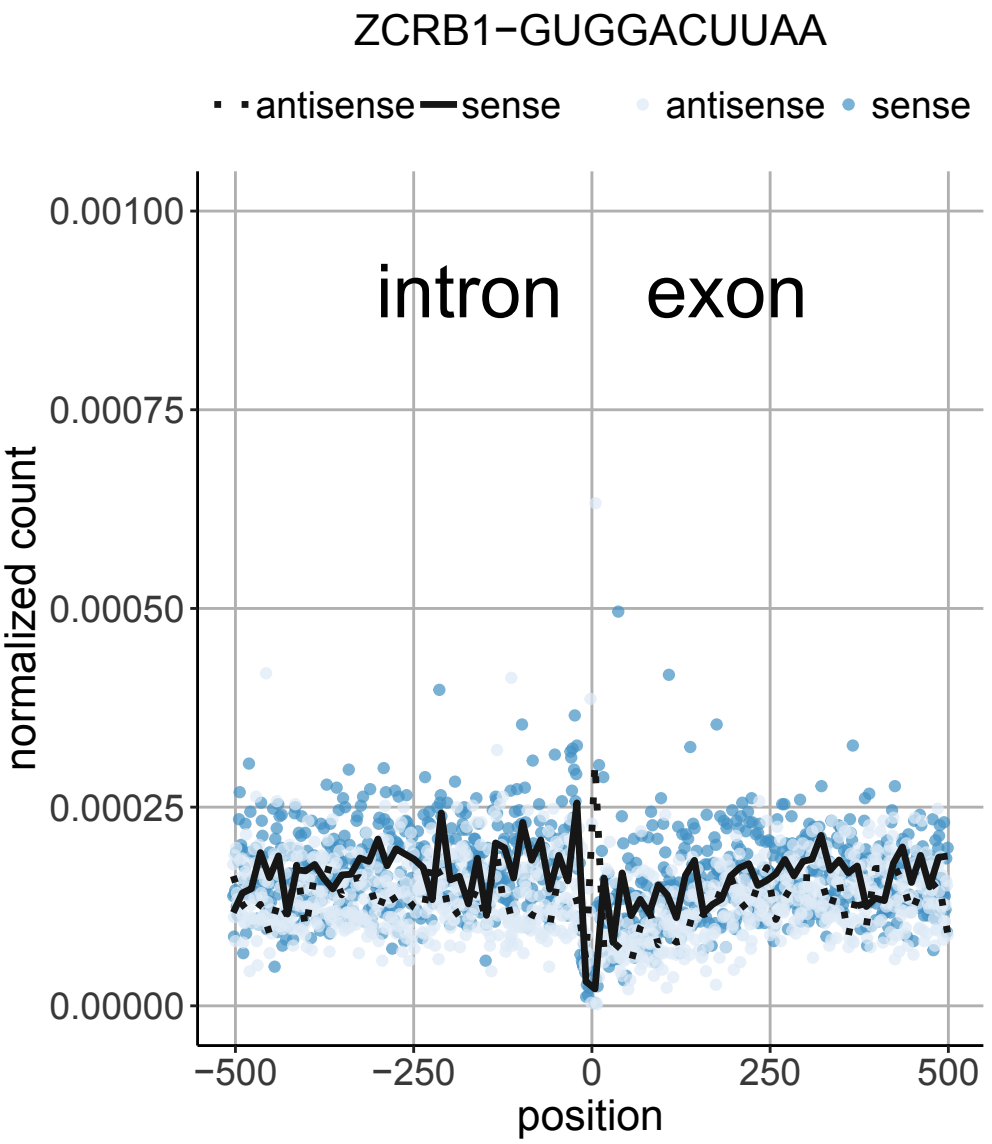
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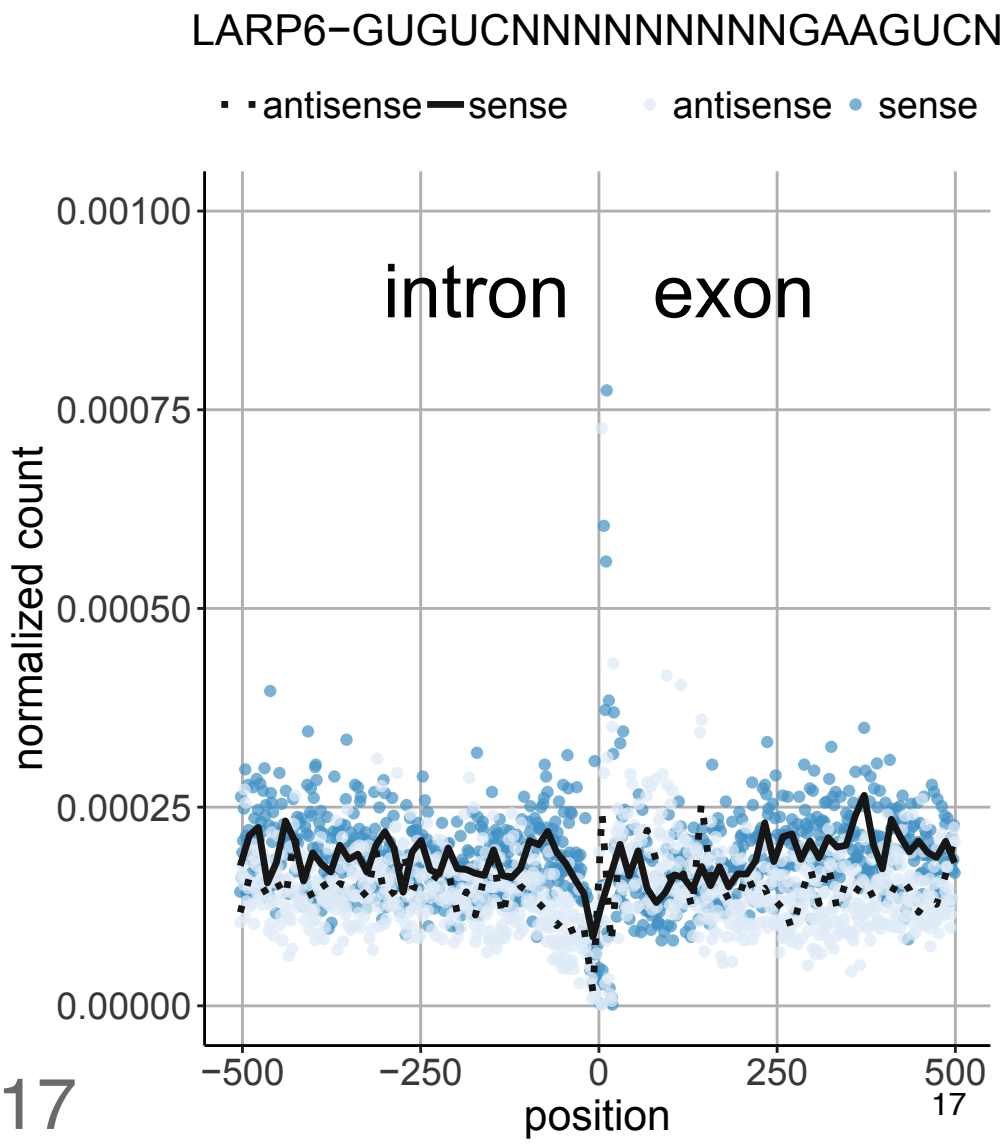
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normalized count
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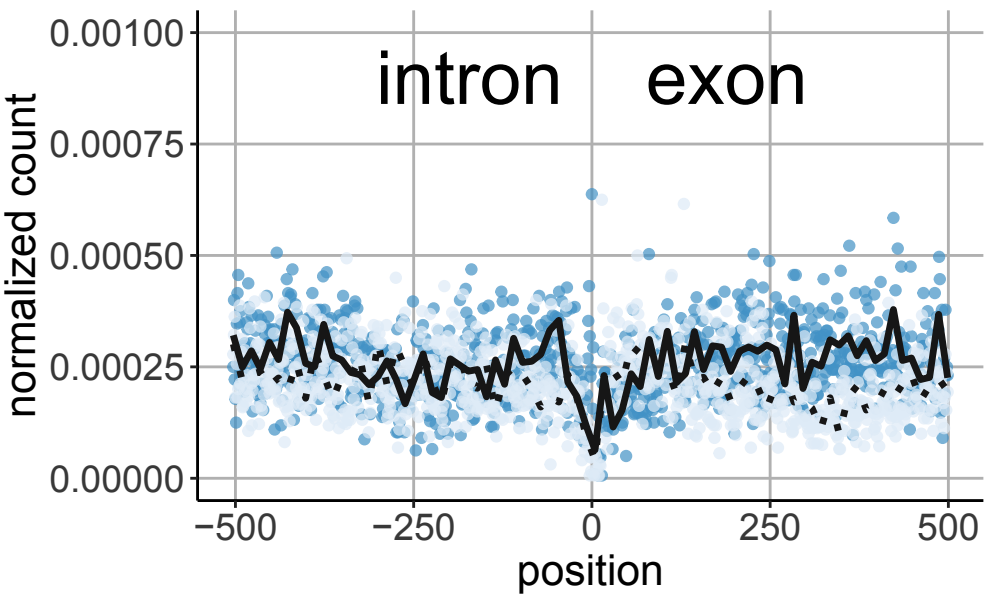
500
position



17

acceptor

DAZ1_2−NNUGUGUGSGUUUCCGSN

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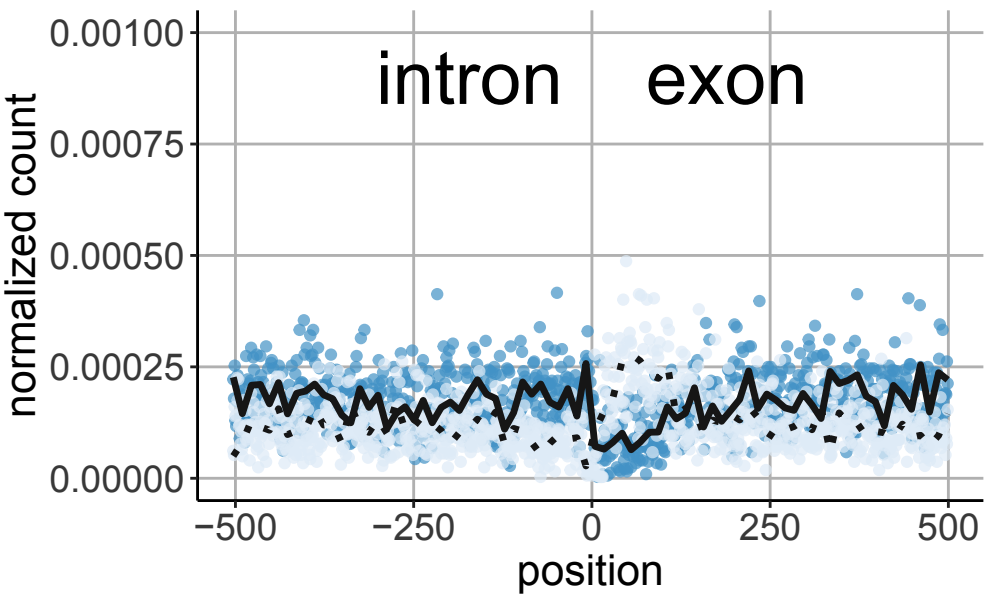
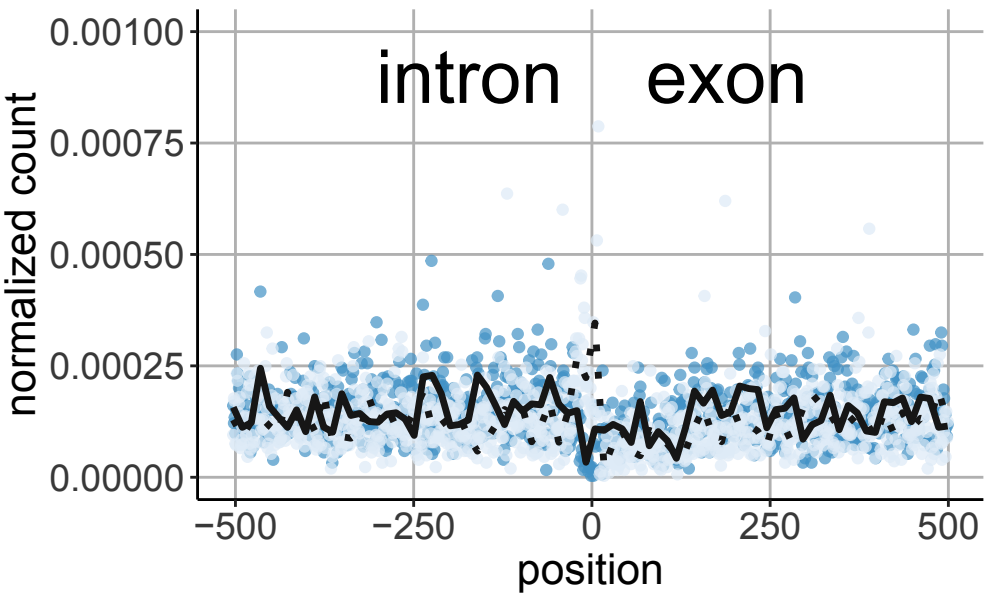



DAZ1_2−CRNAAUGUUAGUAGN

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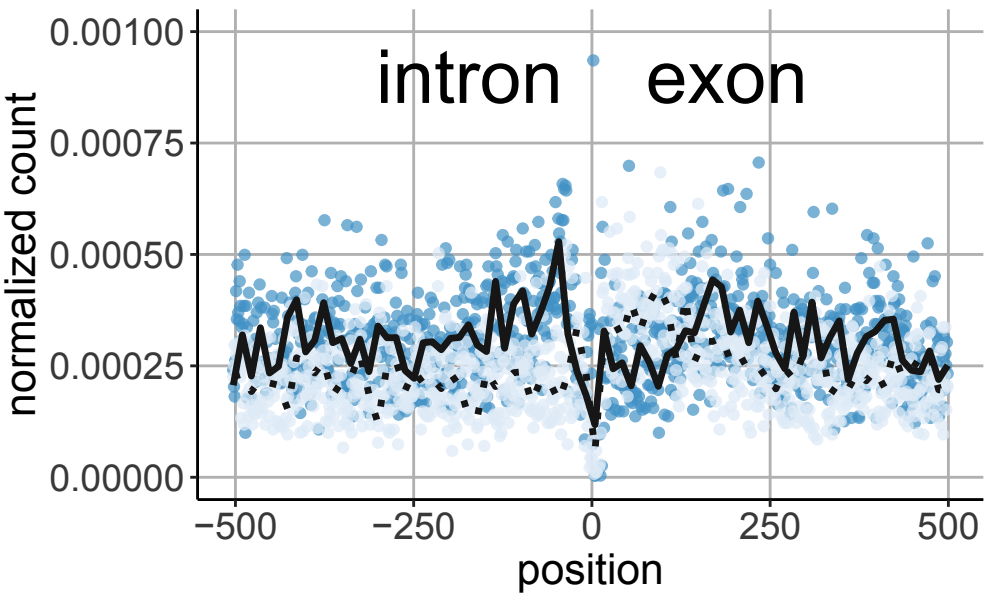


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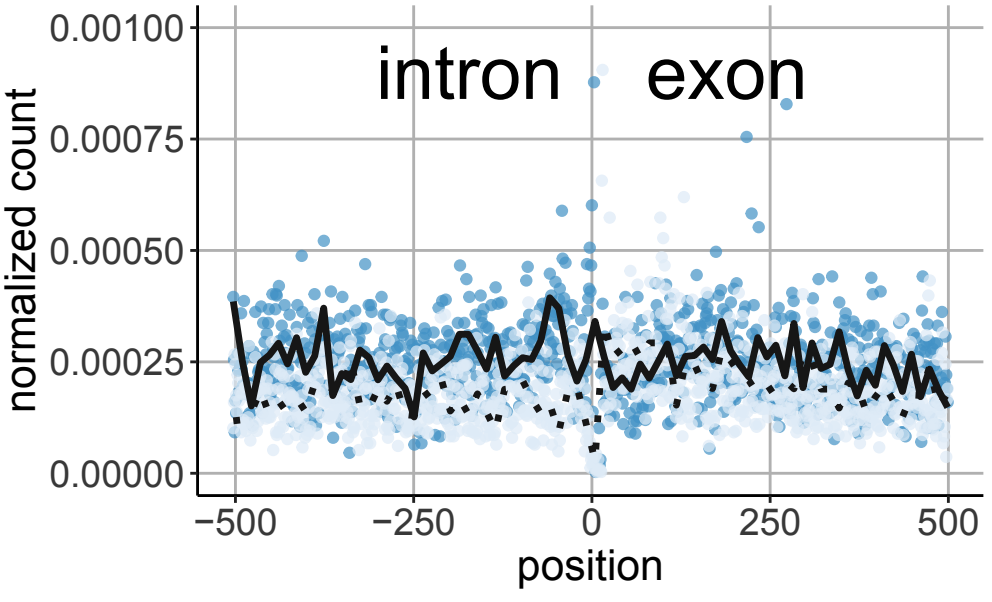


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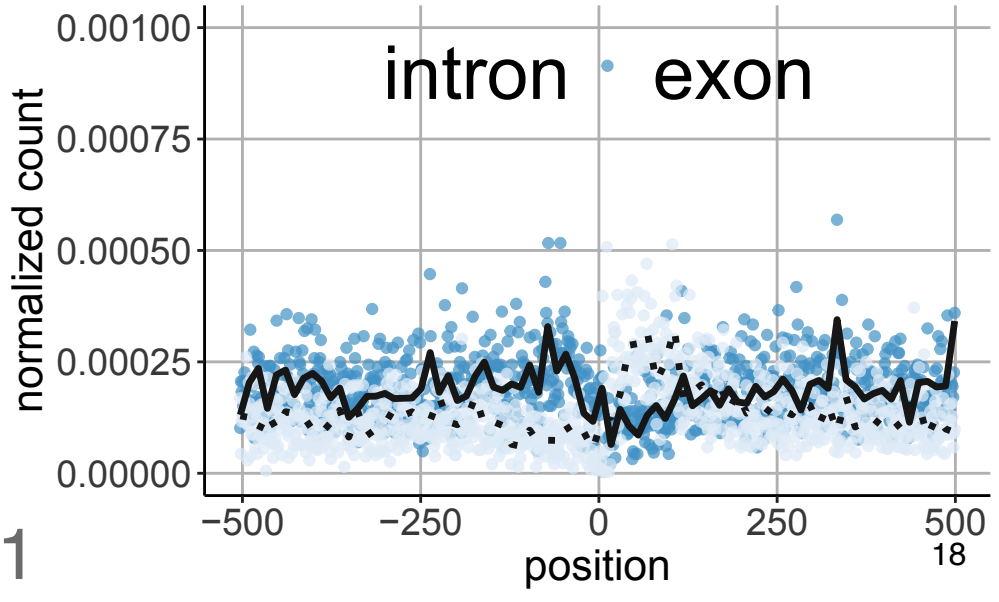

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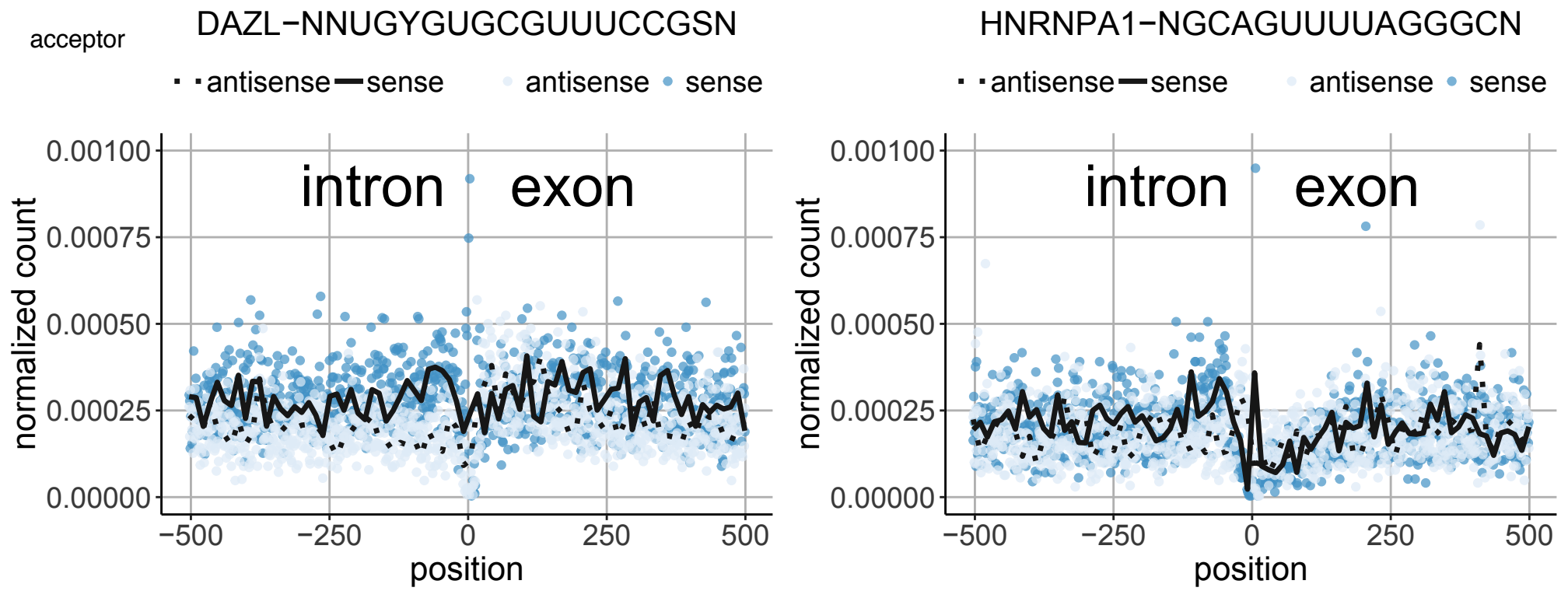

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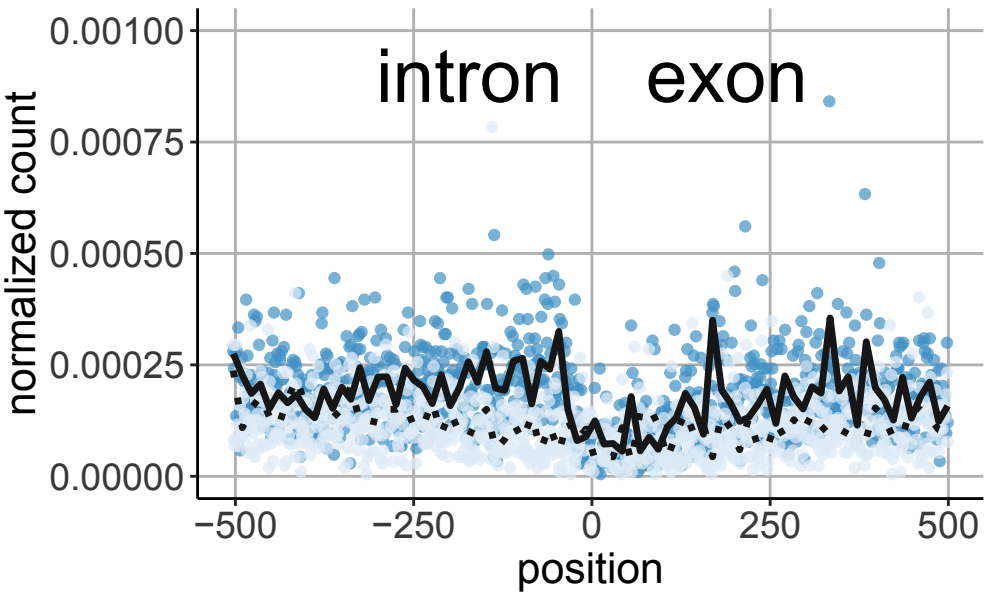


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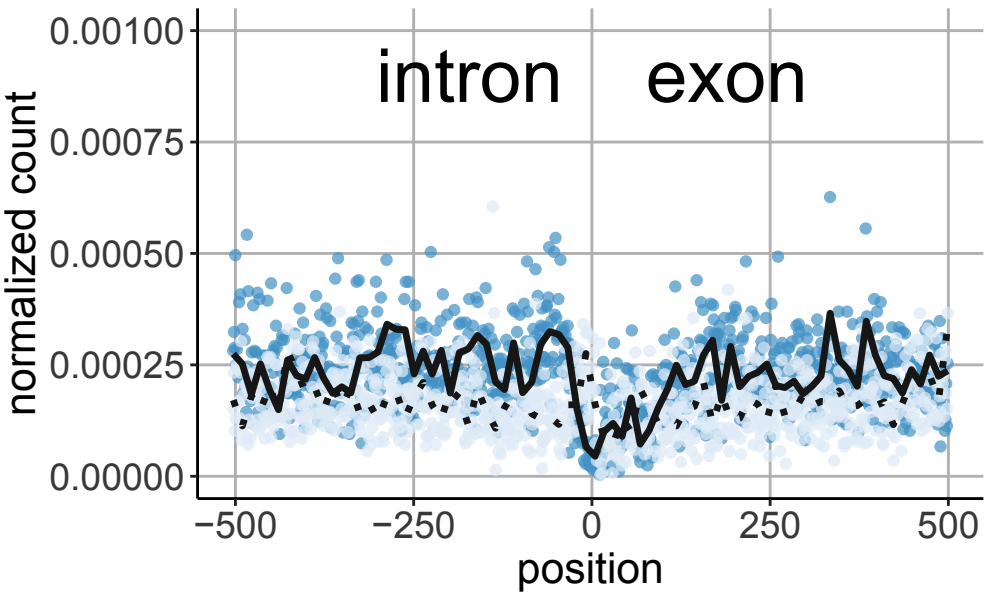


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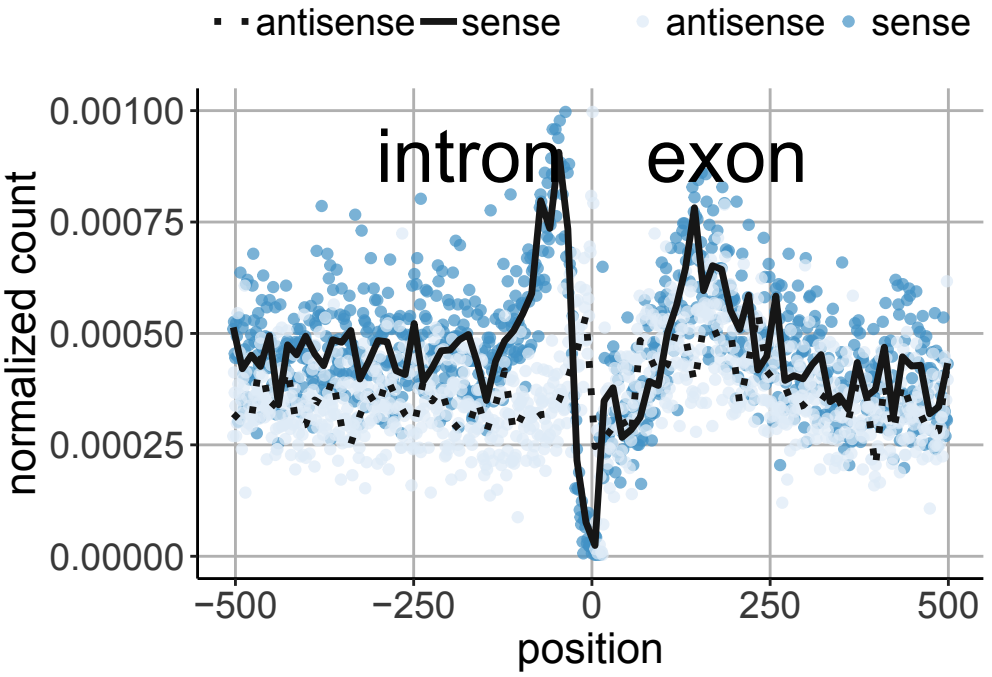


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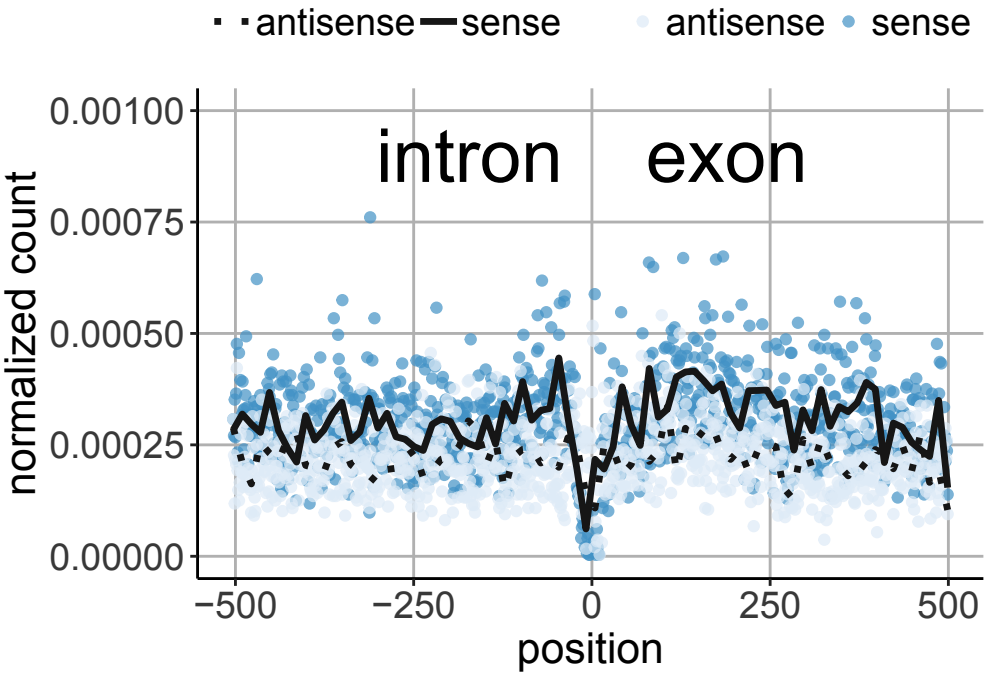


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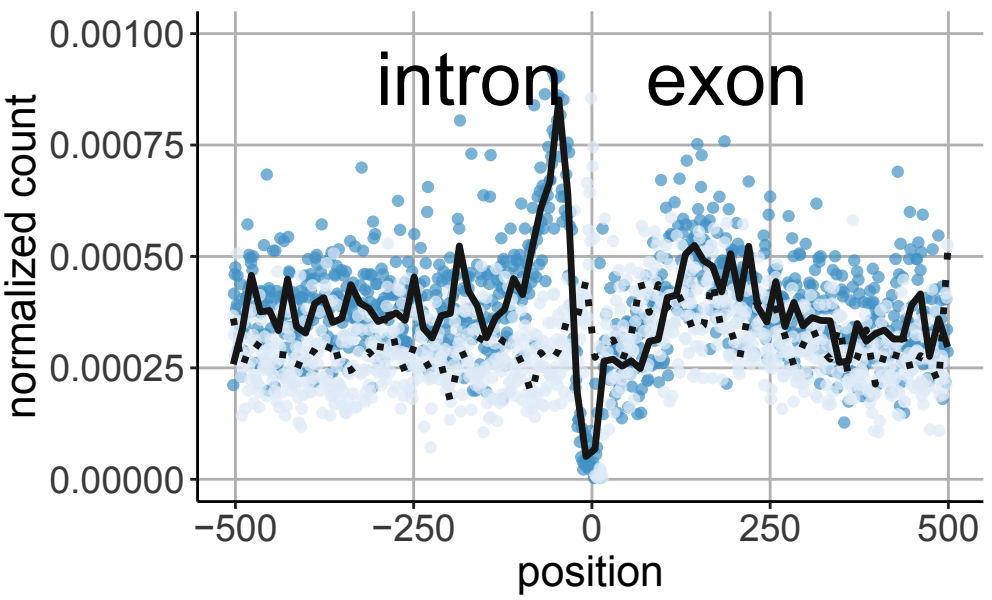


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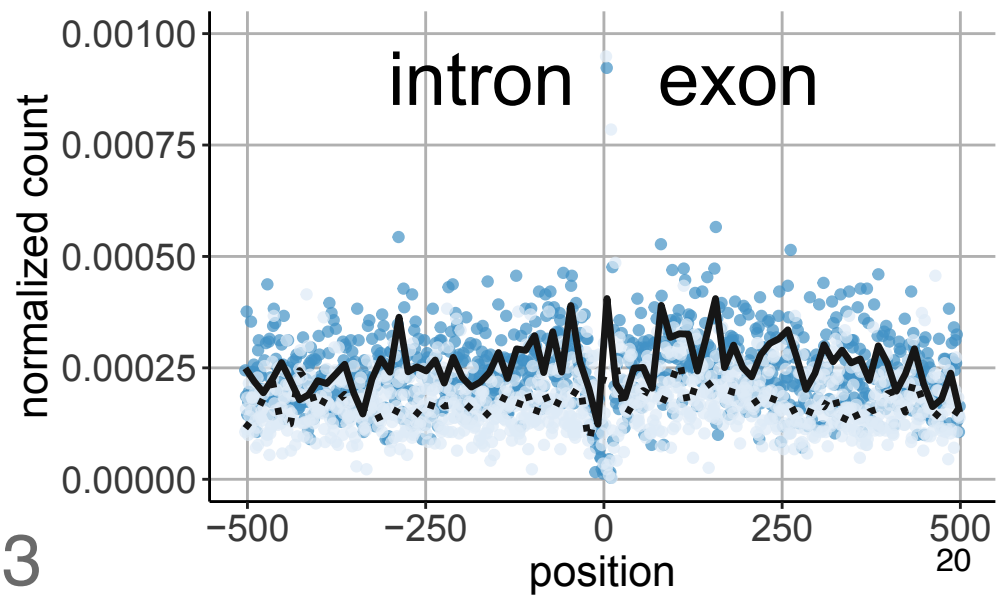

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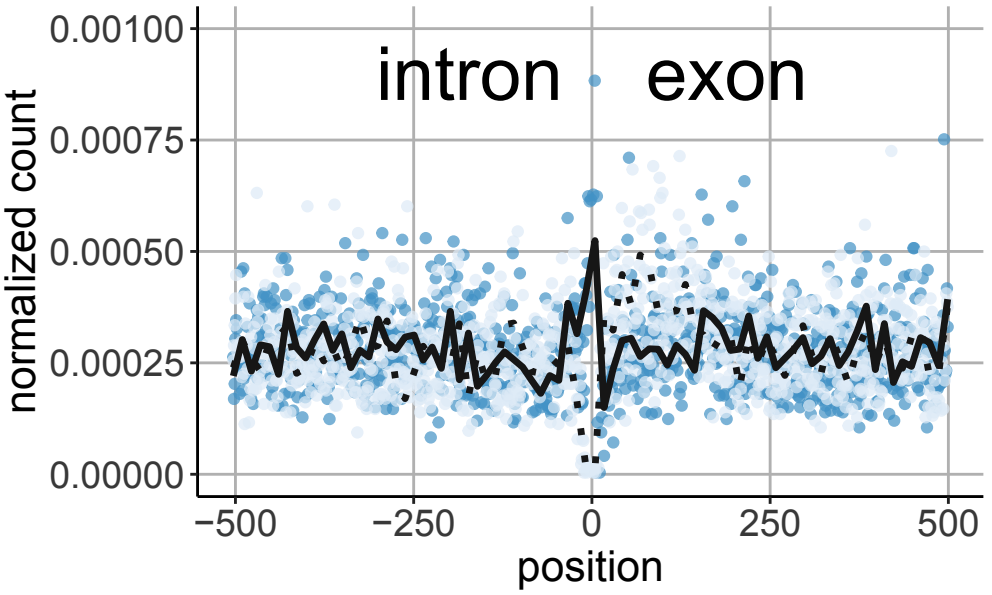


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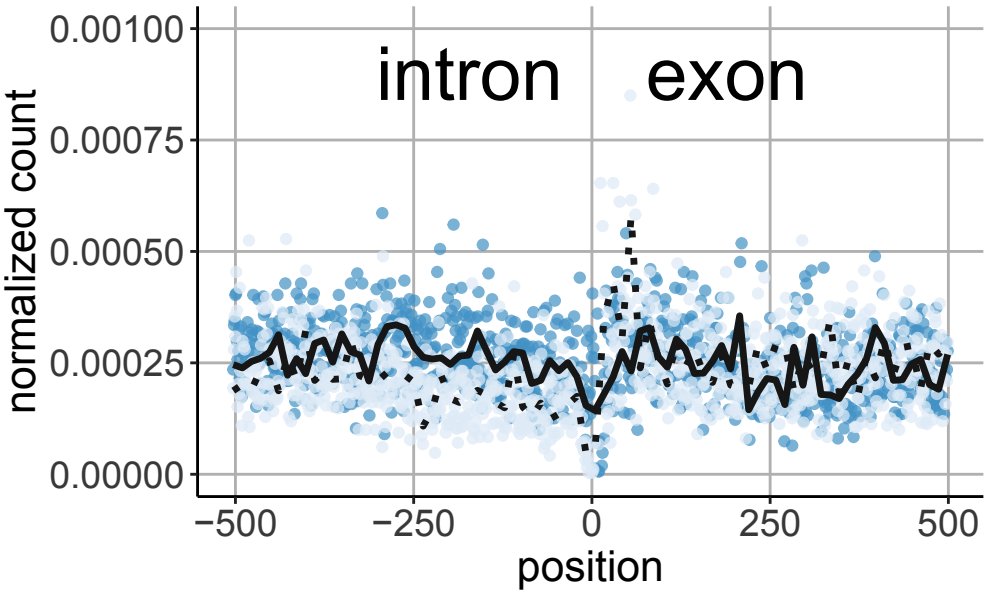


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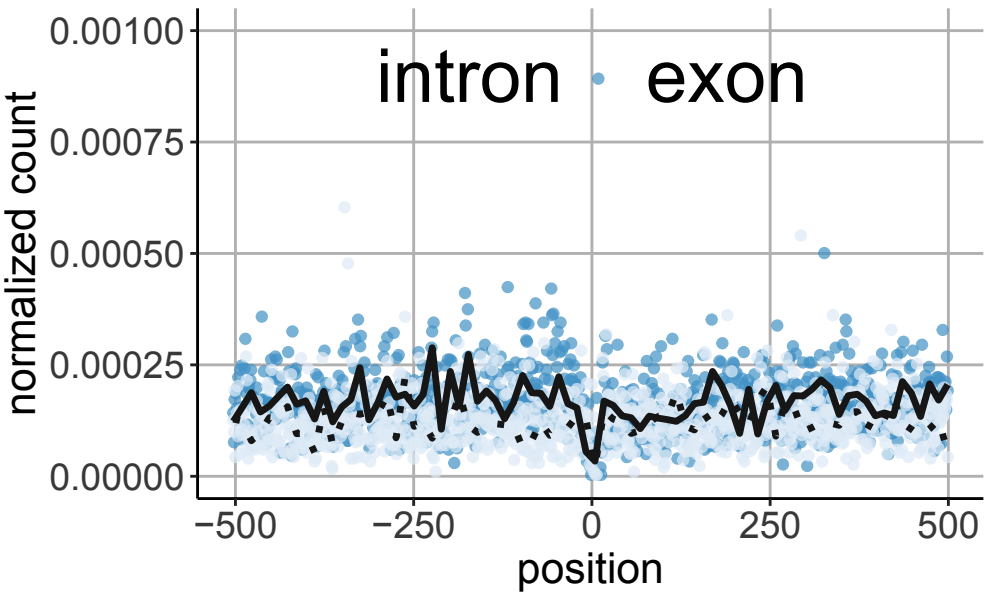


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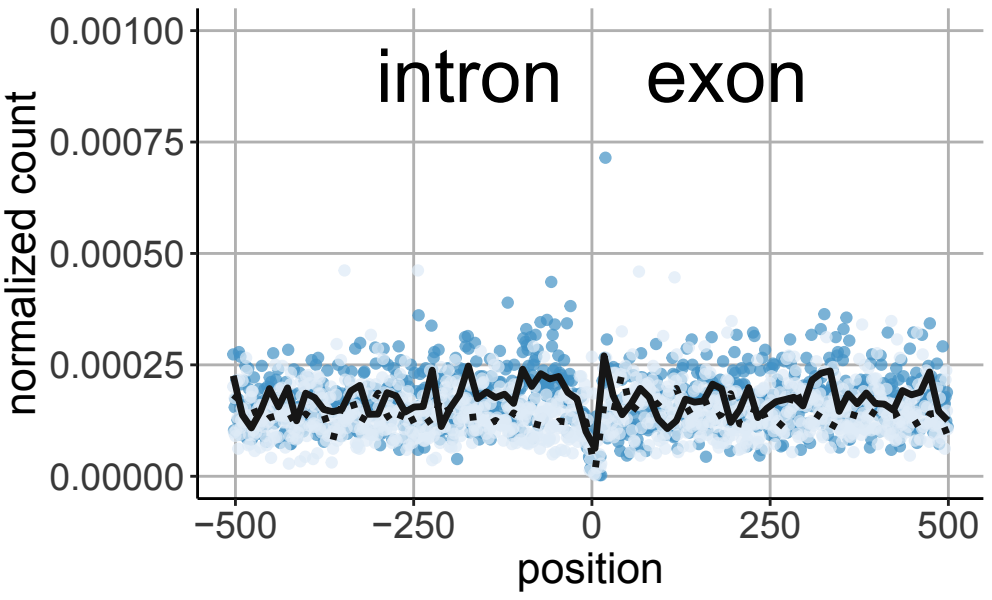


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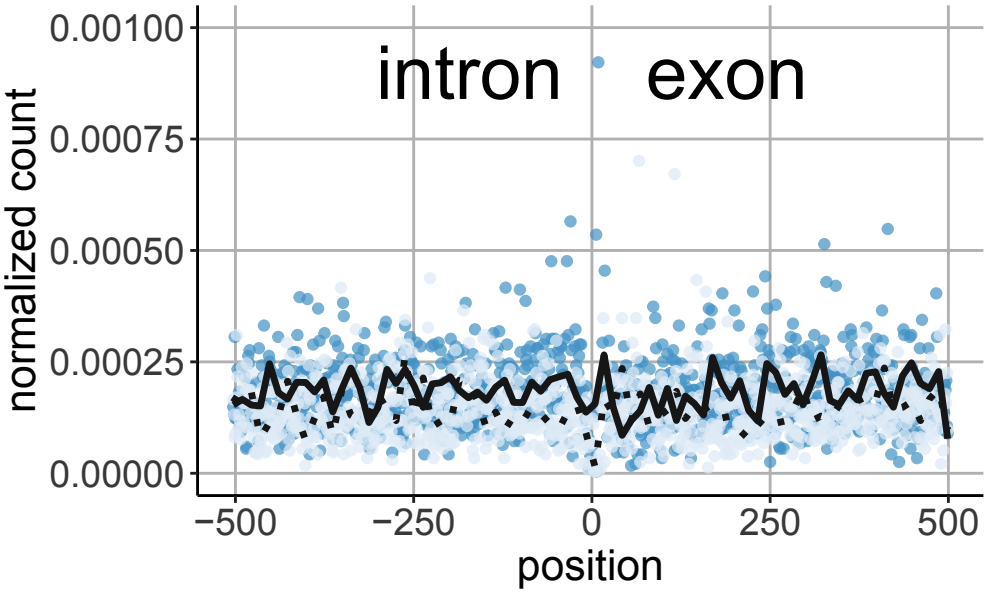


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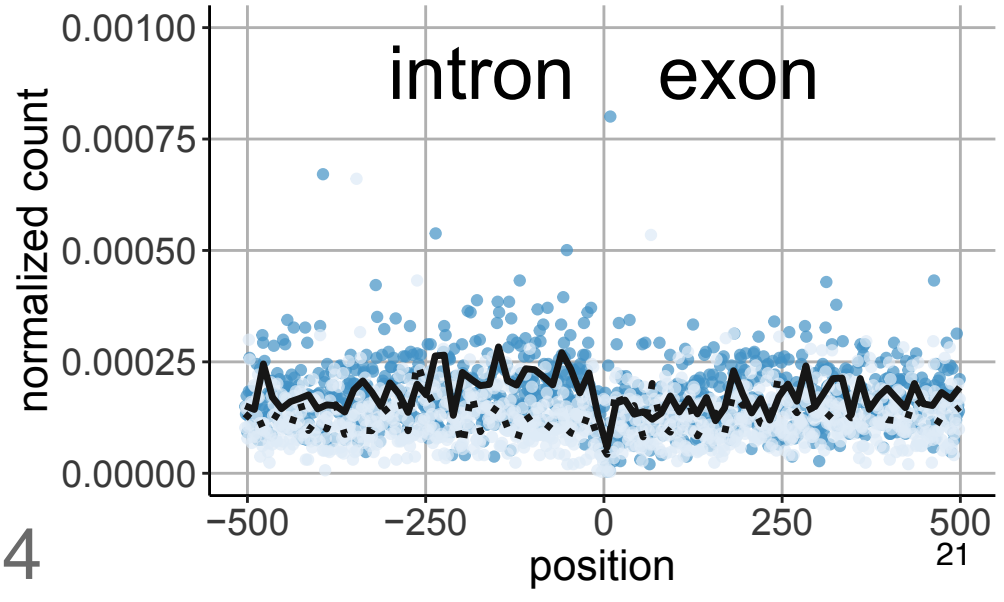

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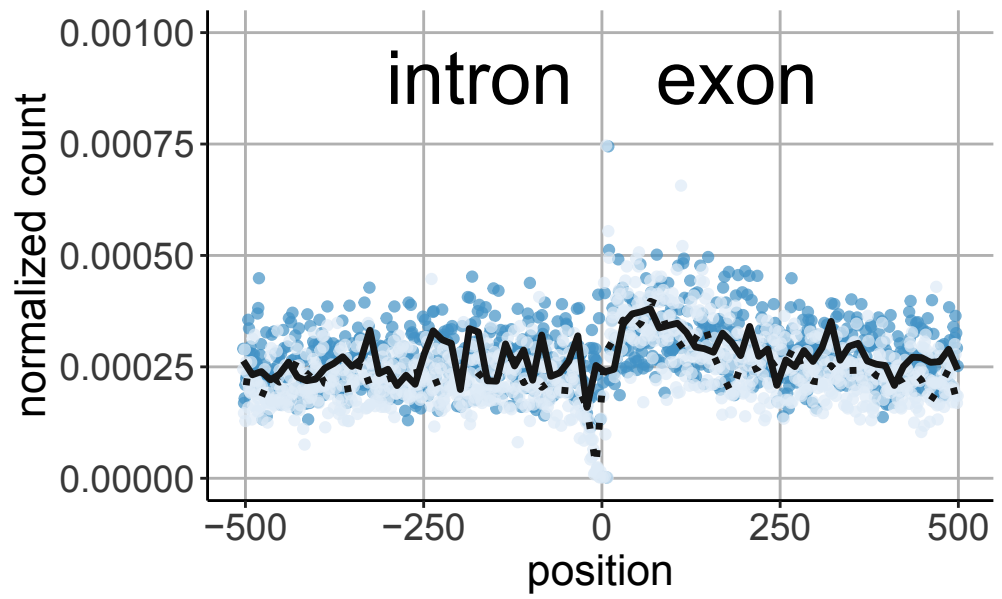


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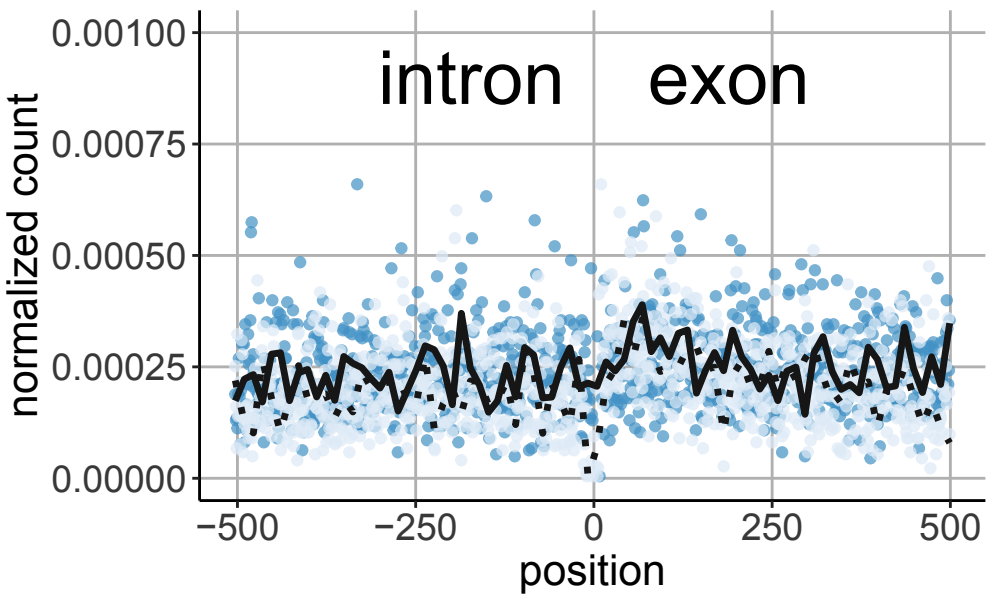


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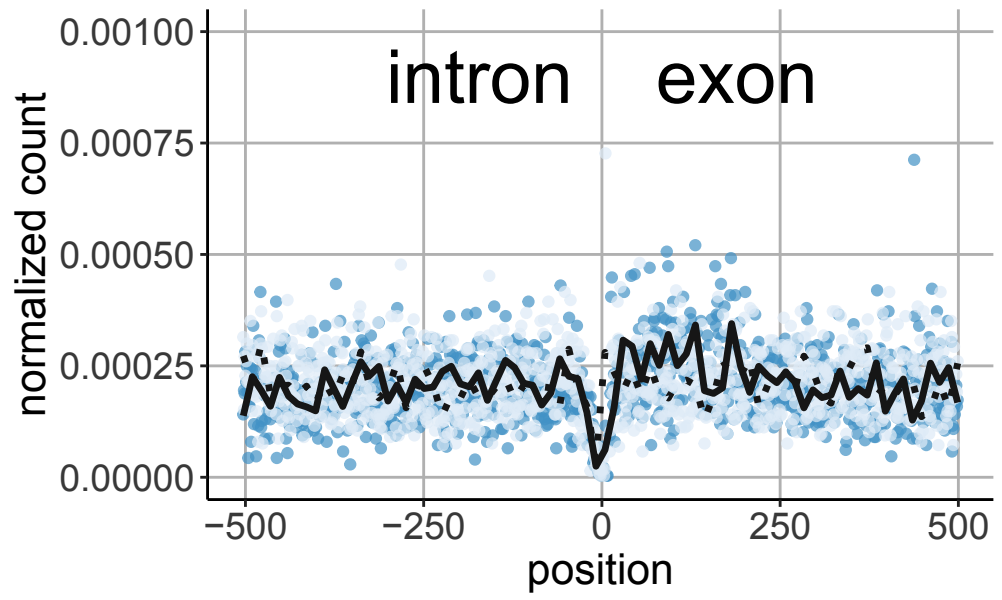


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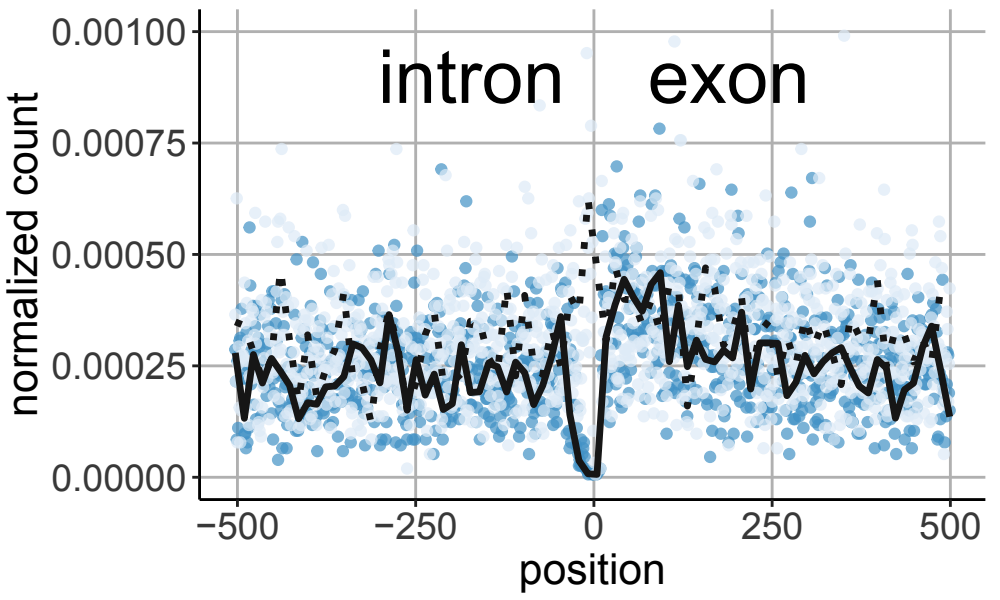


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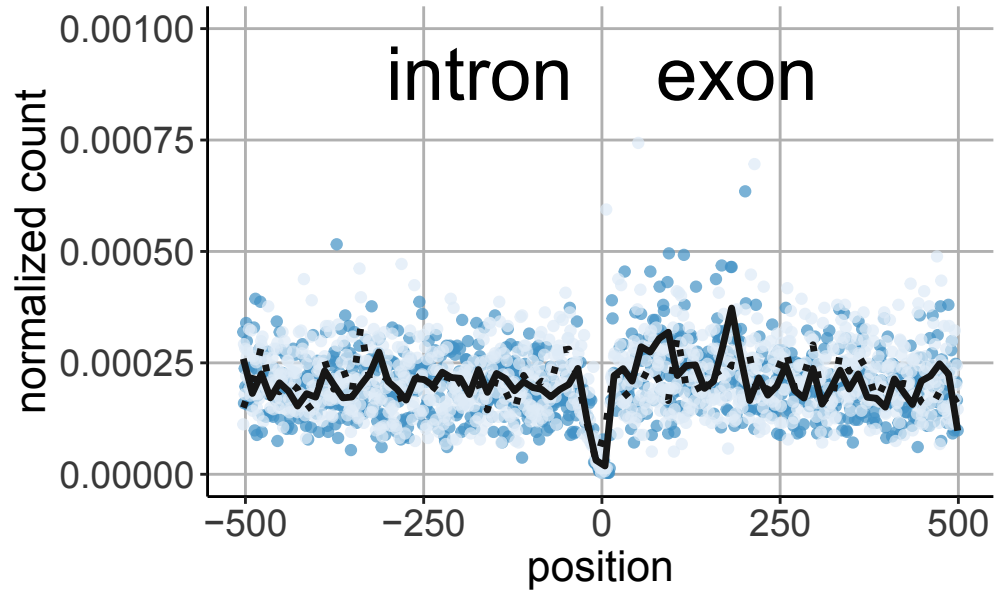


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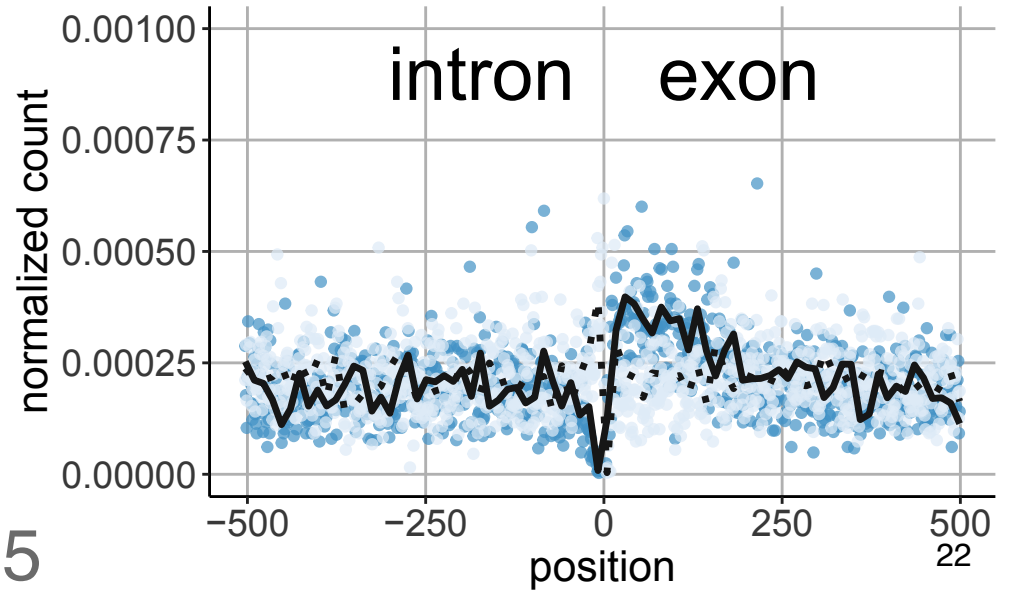

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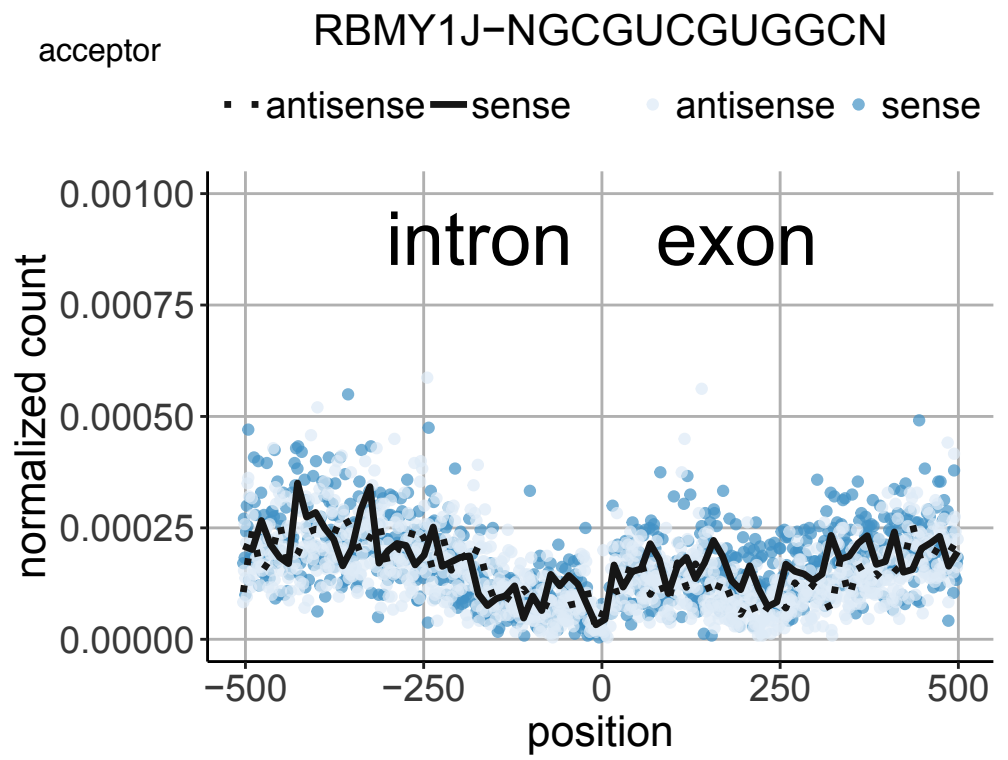


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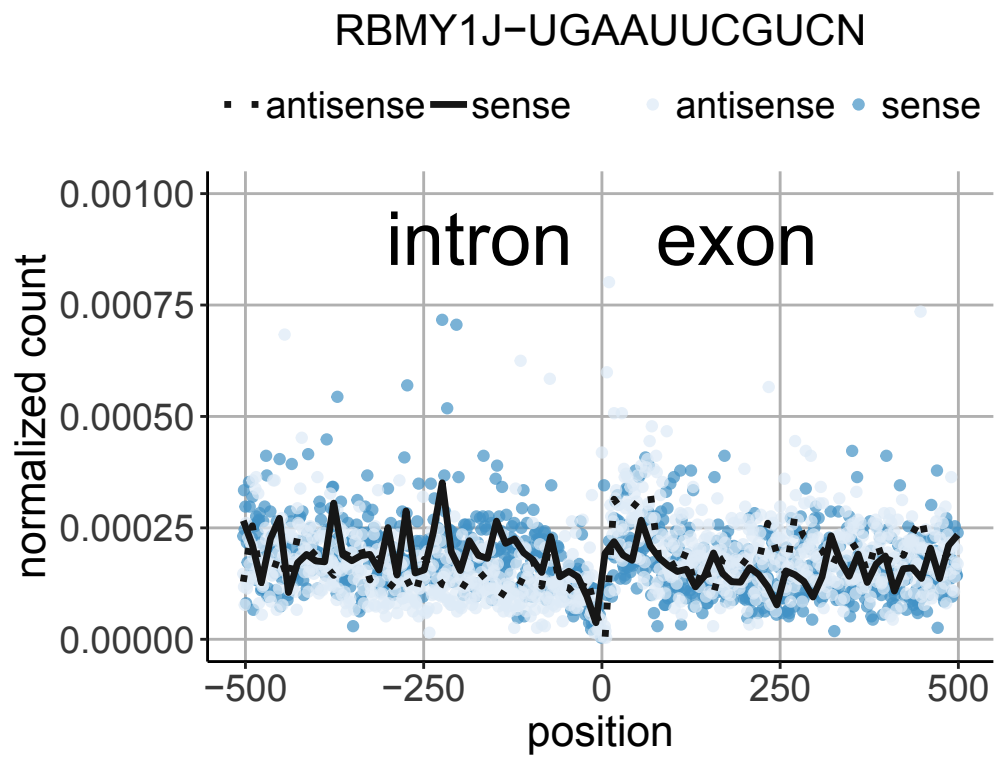


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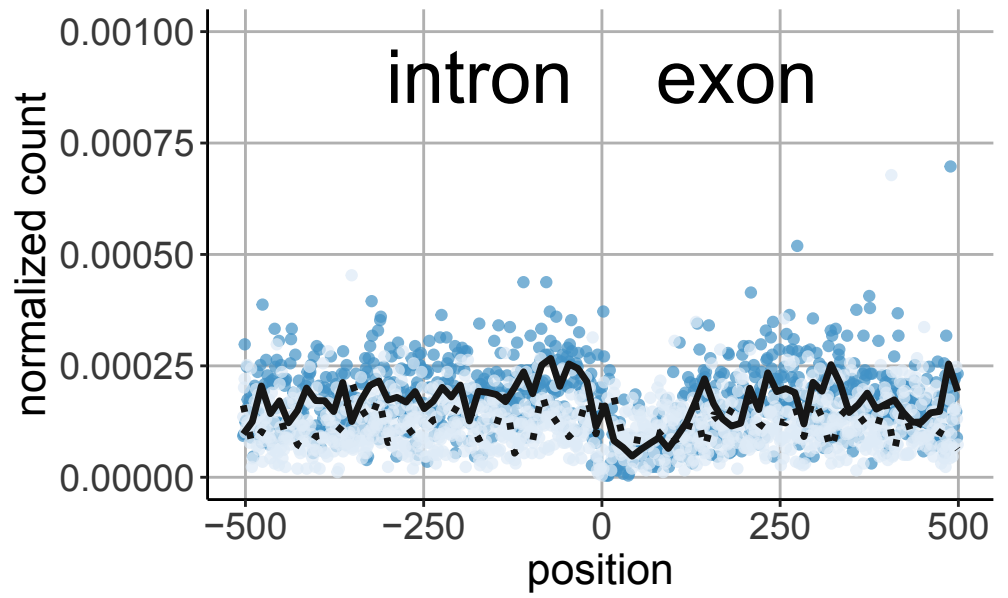


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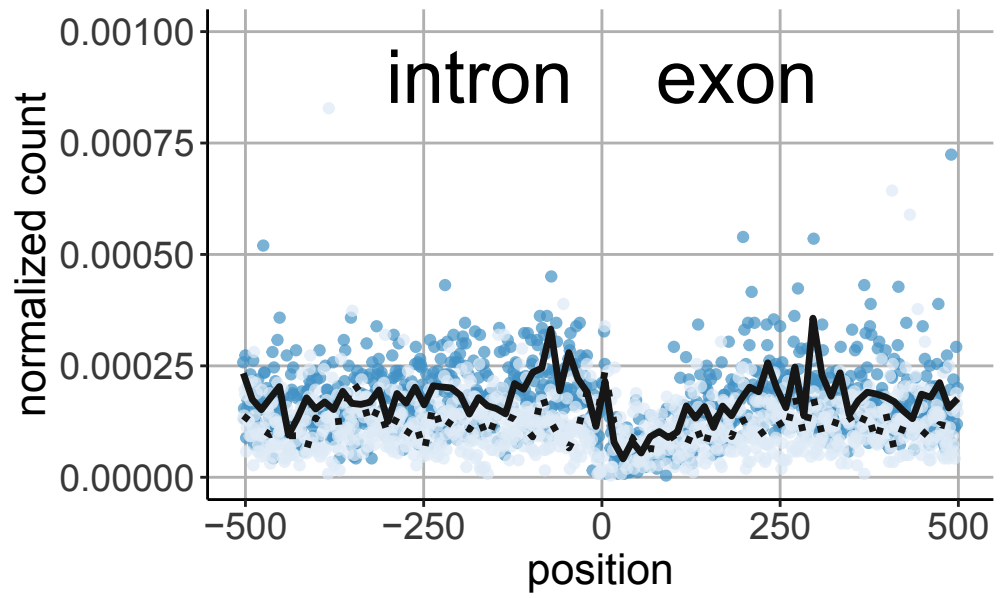


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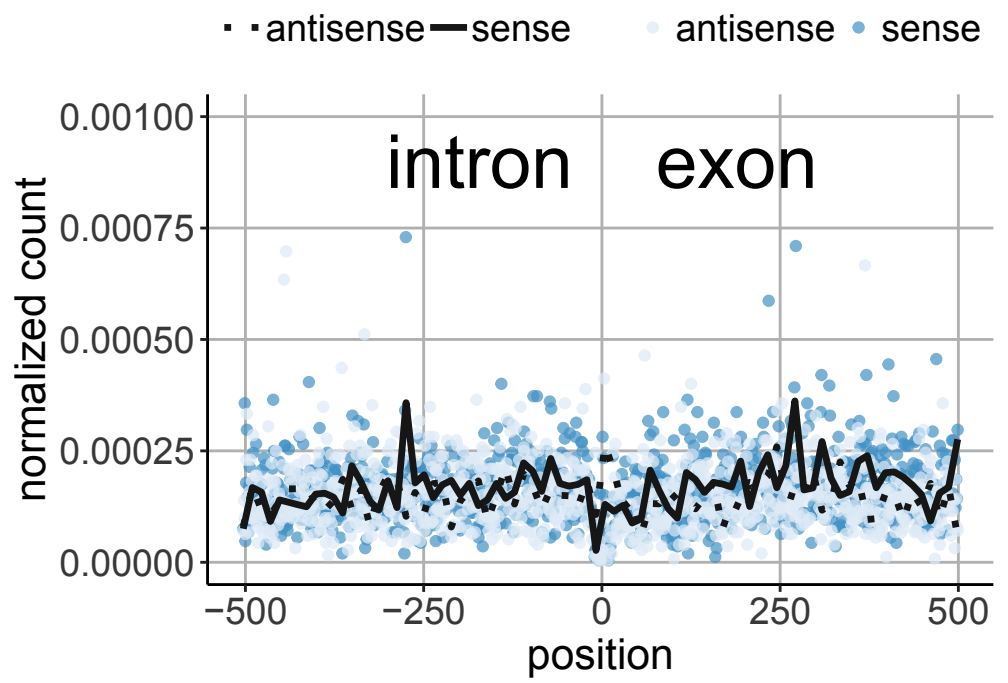


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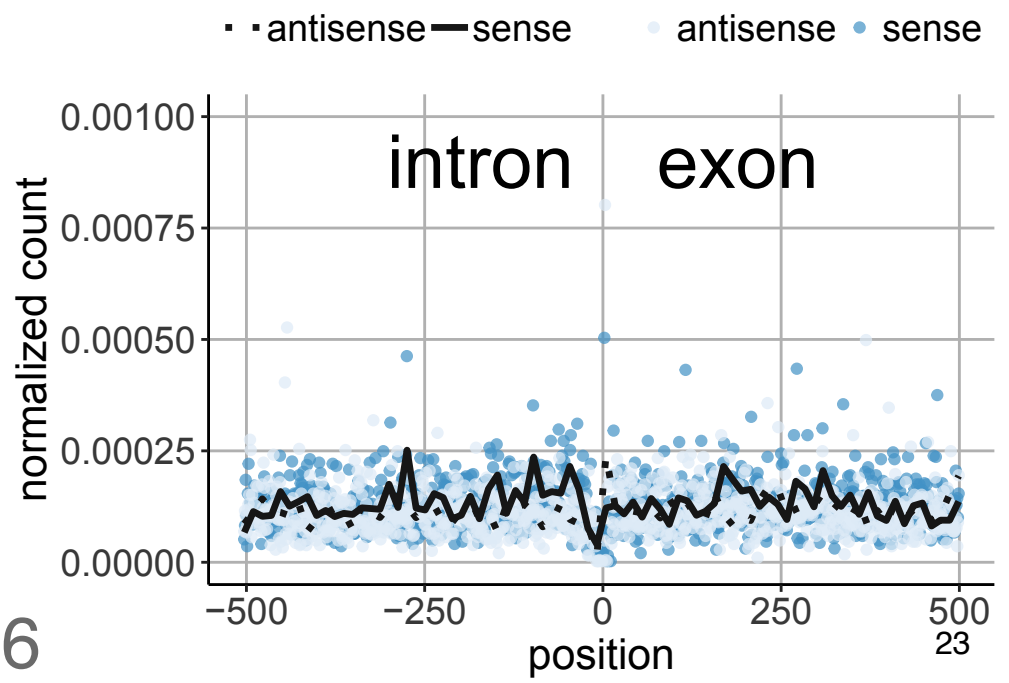

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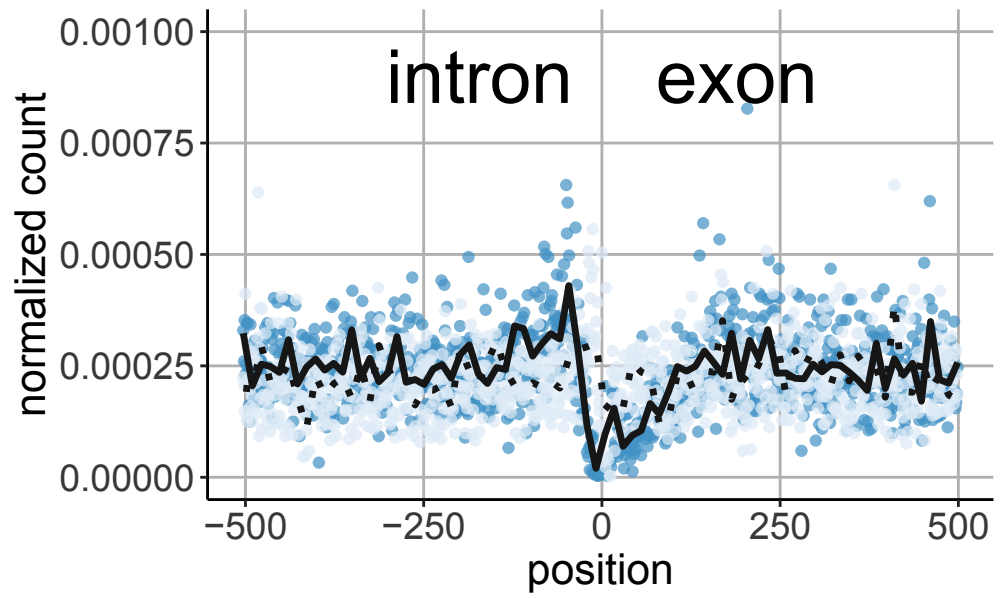


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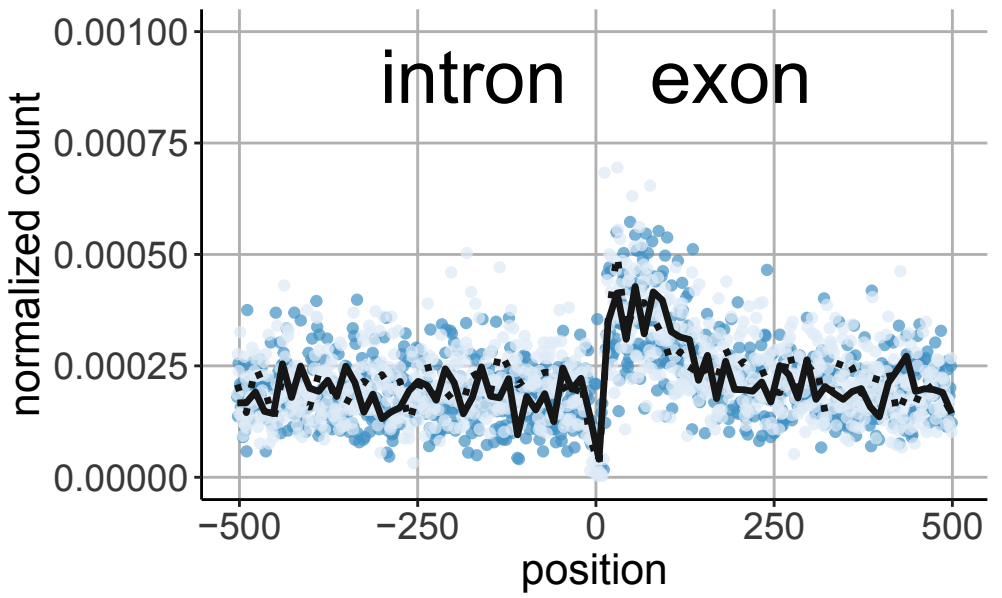


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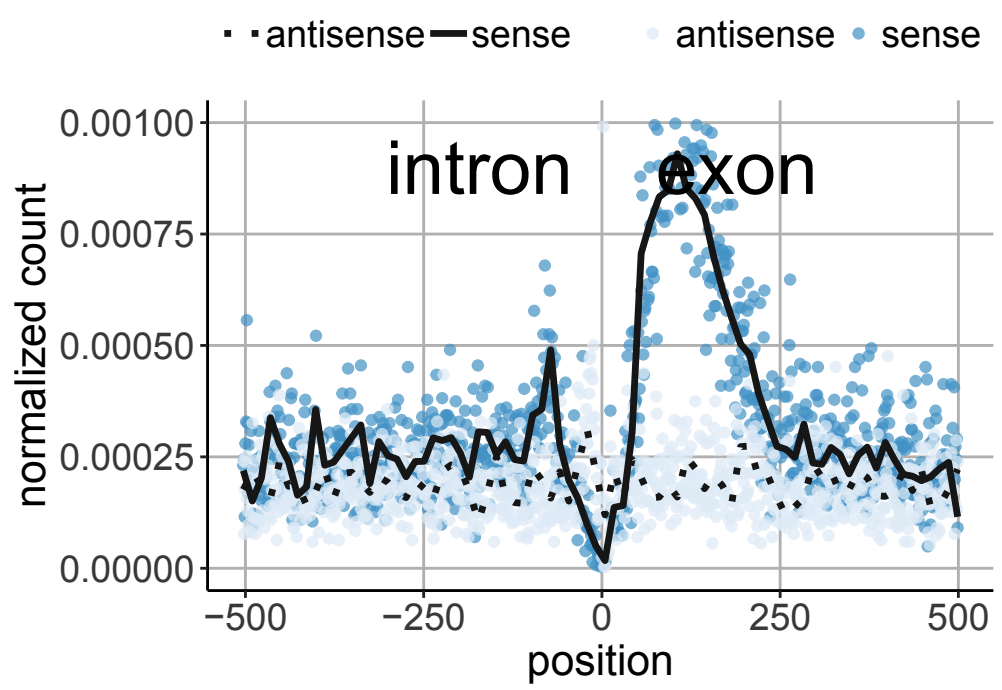


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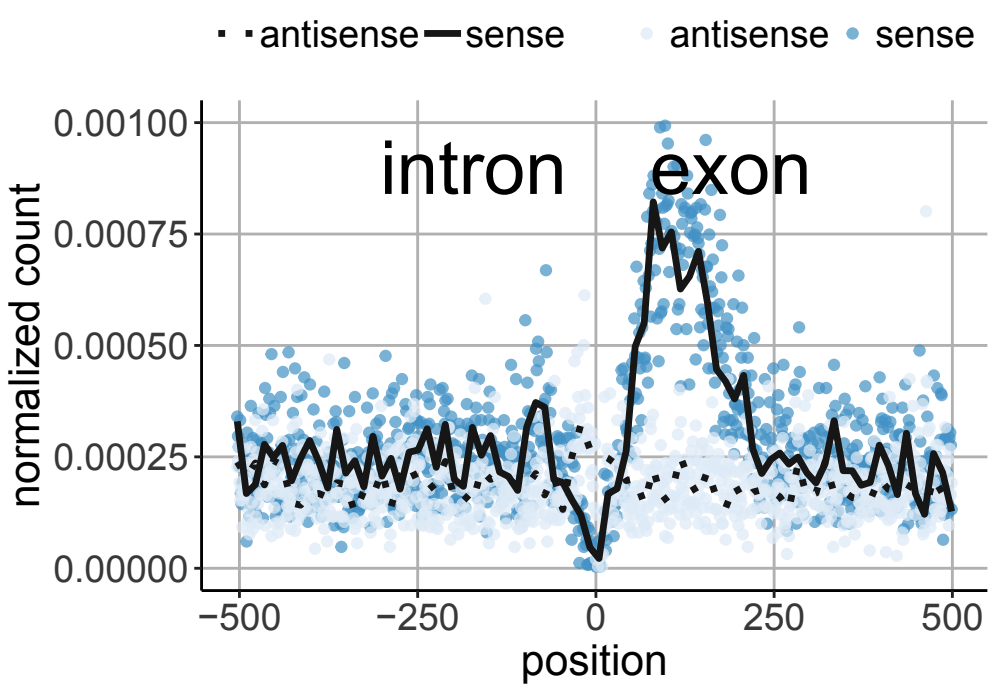


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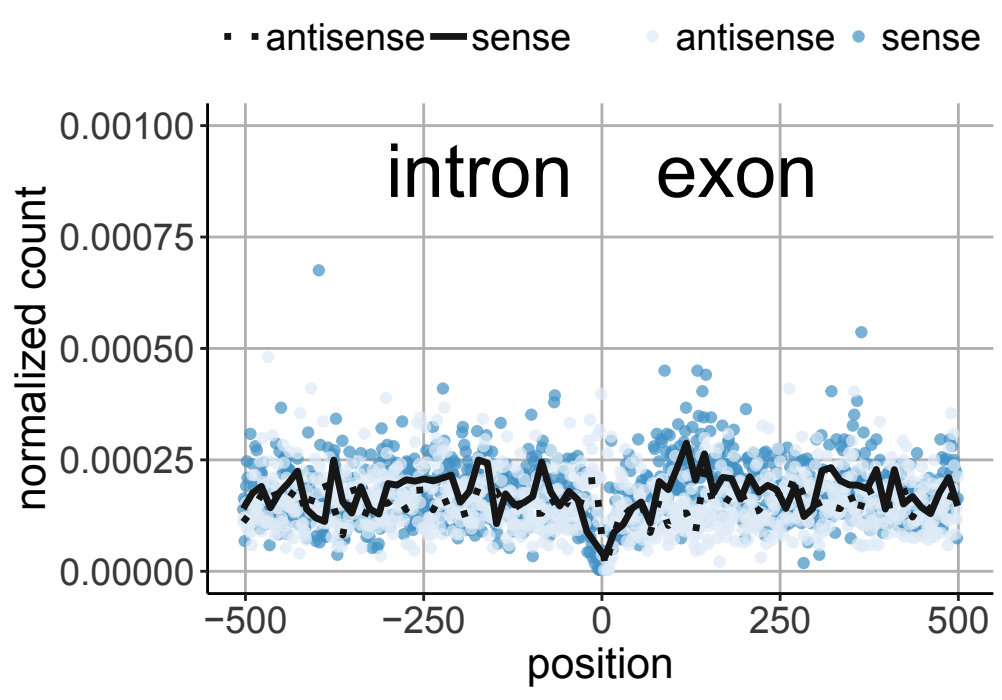

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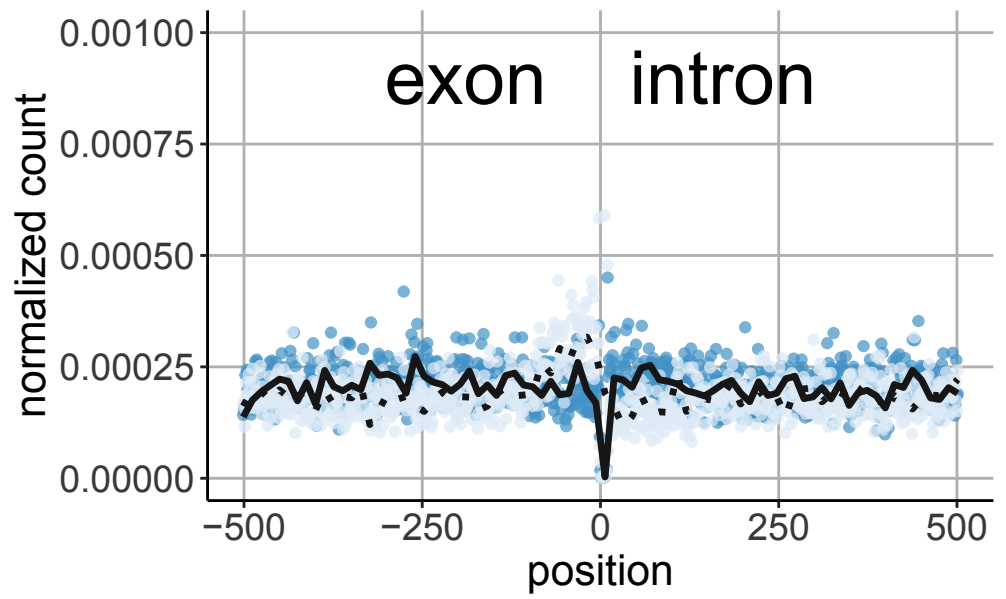


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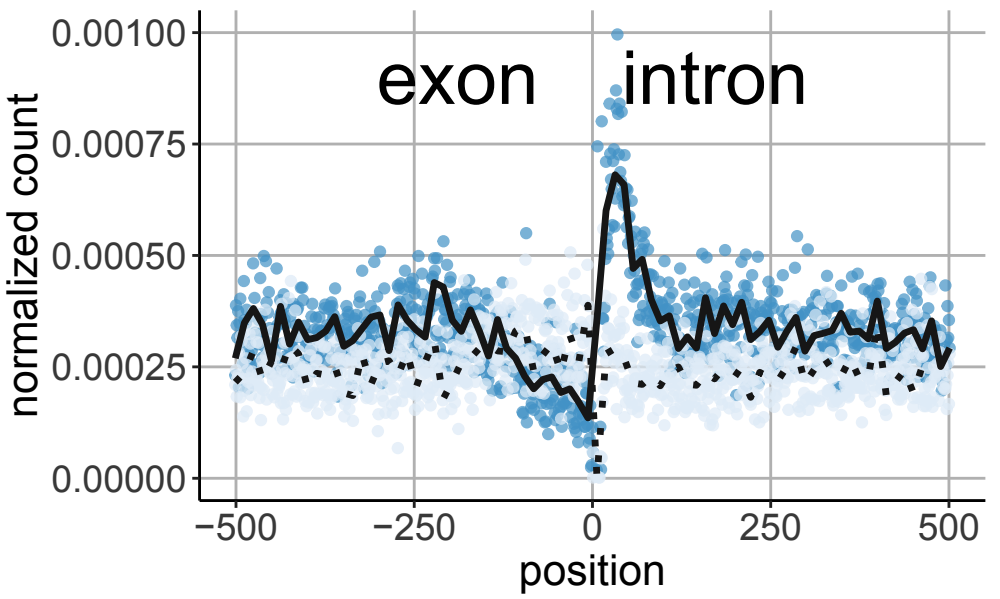


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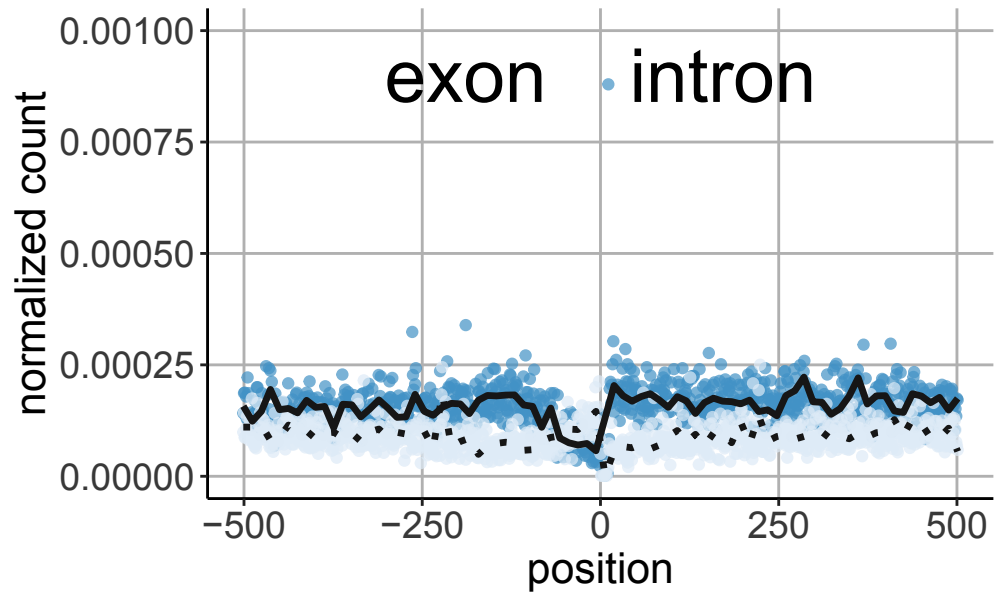


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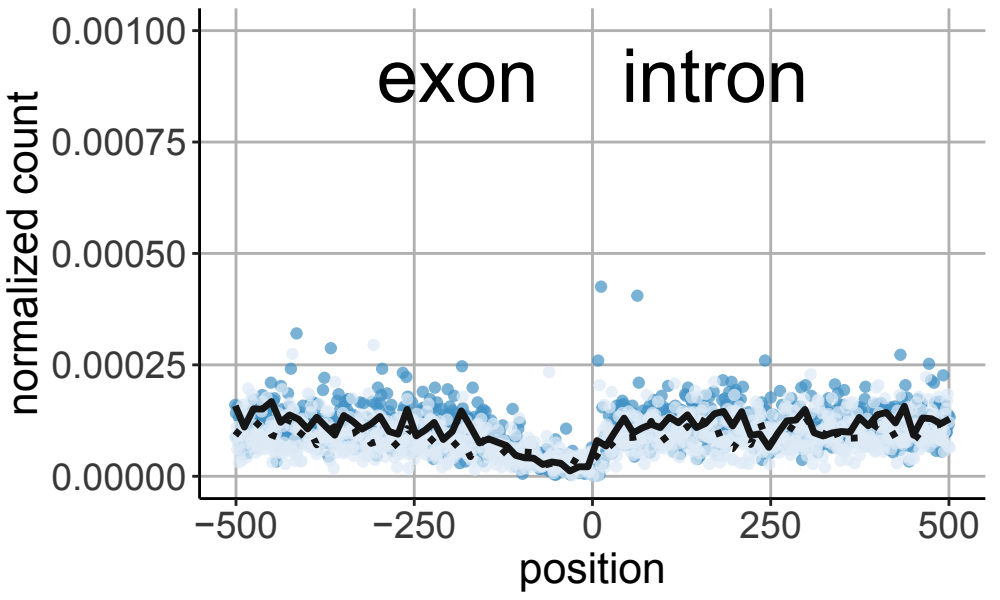


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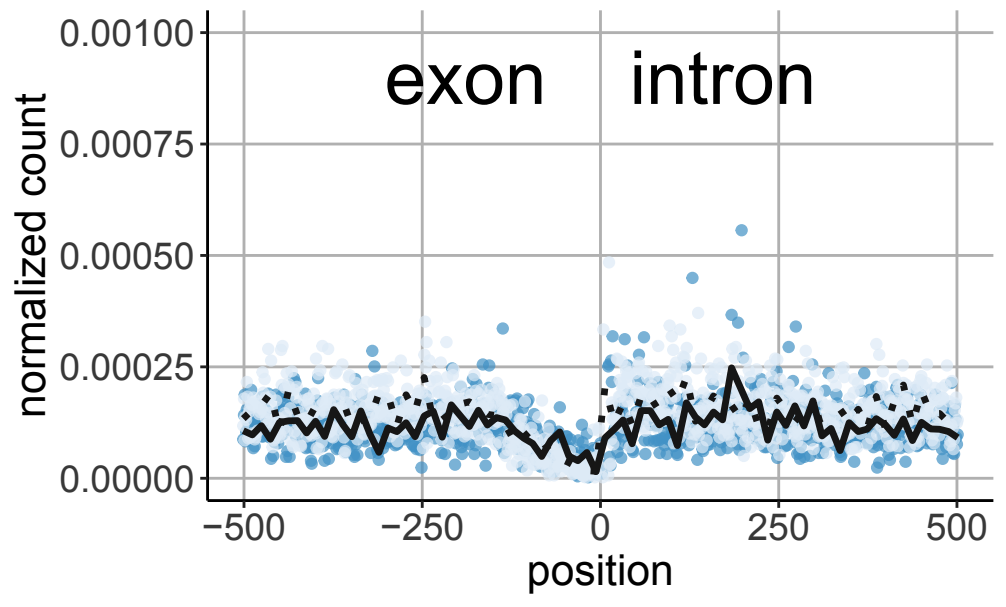


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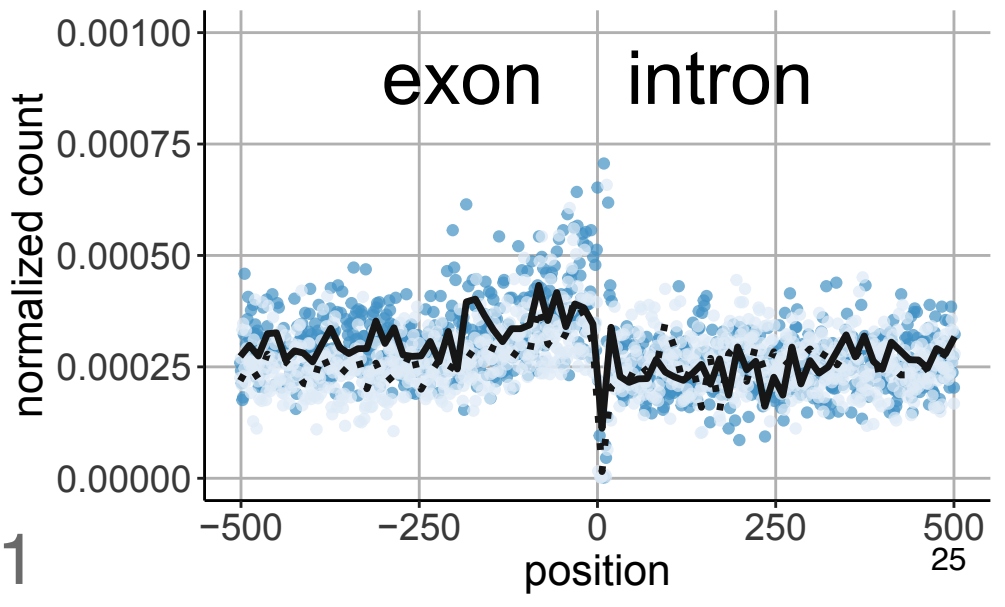

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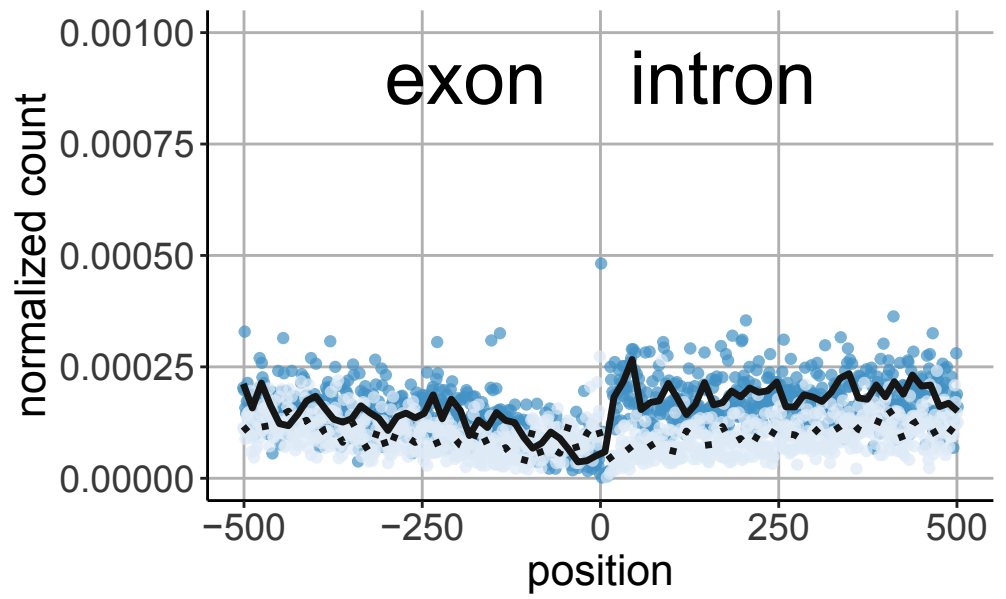


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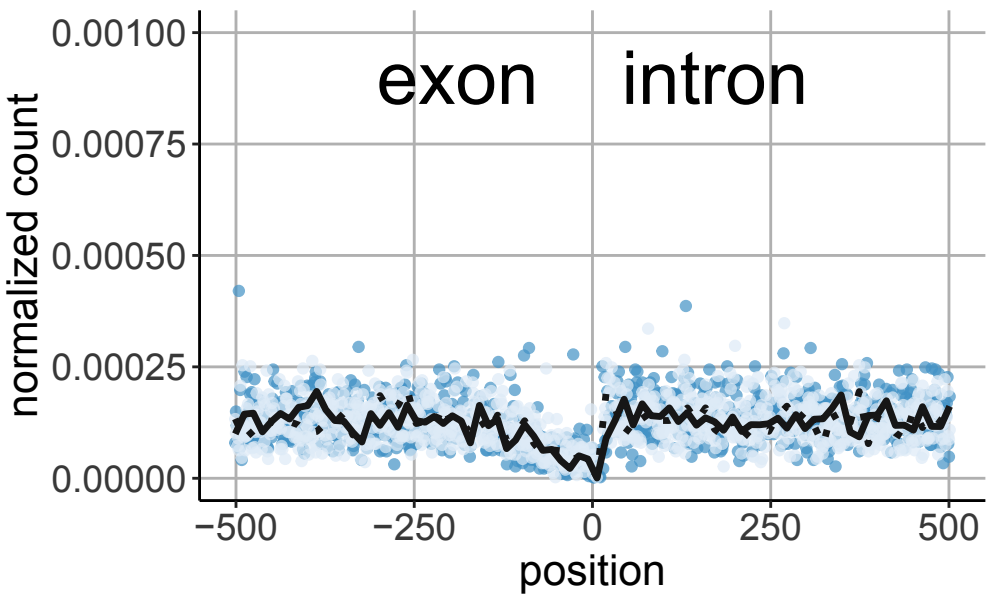


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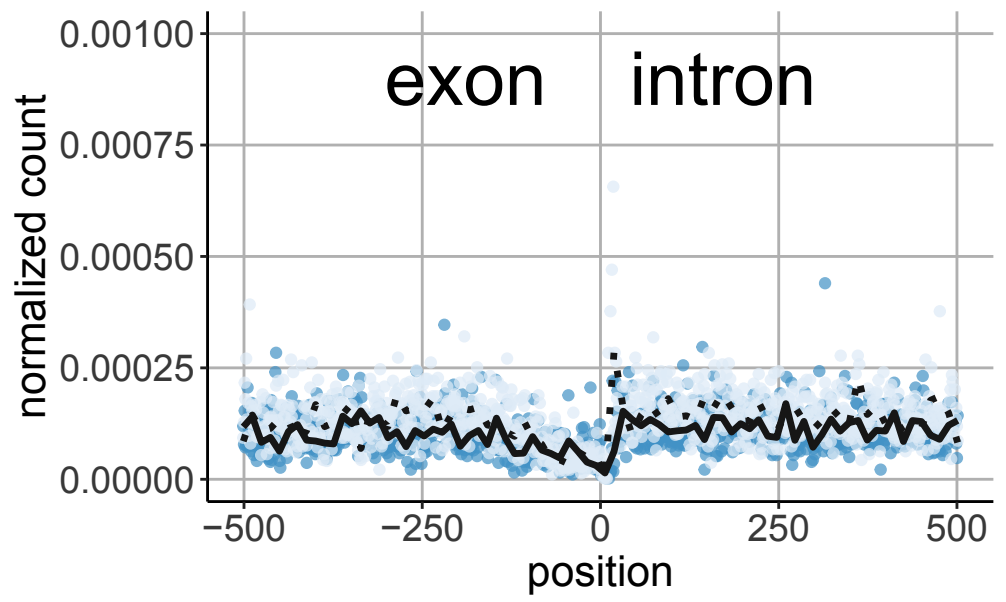


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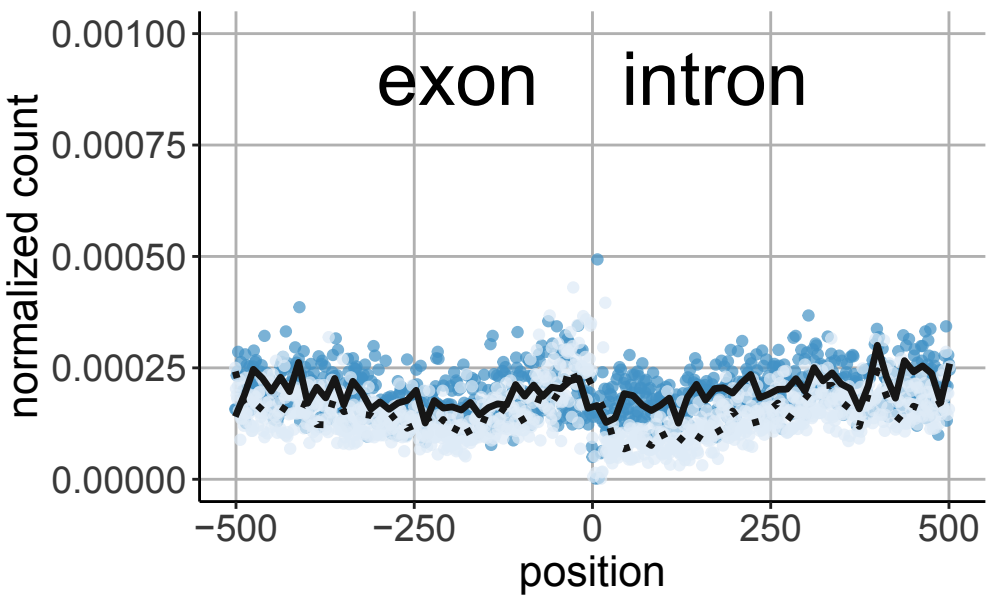


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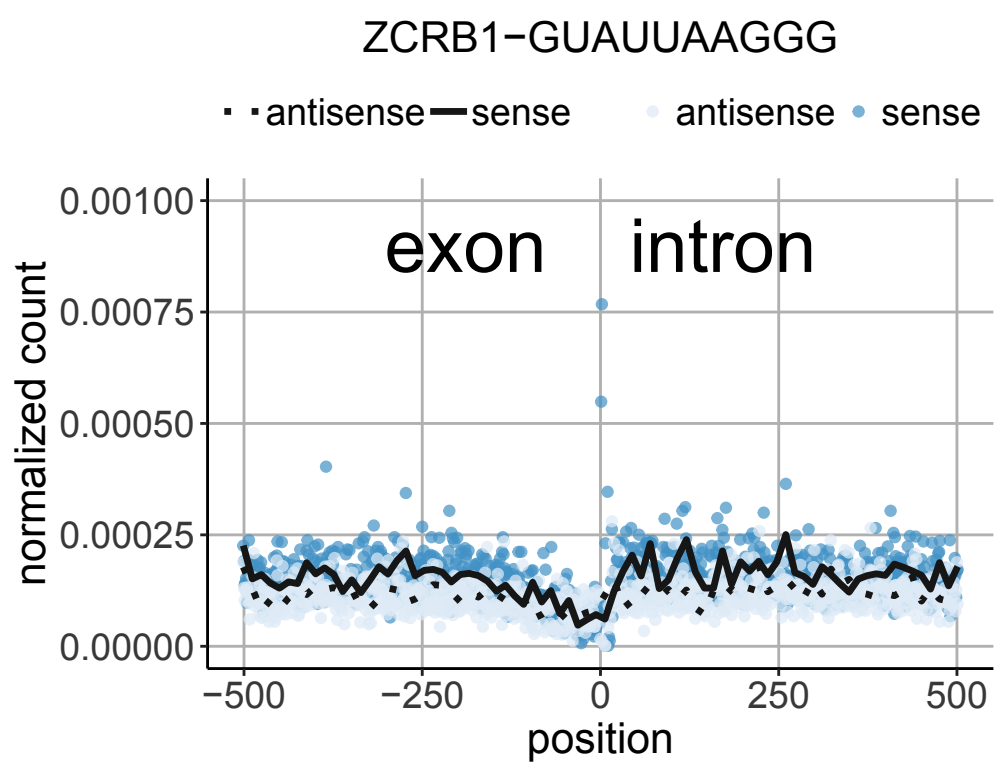


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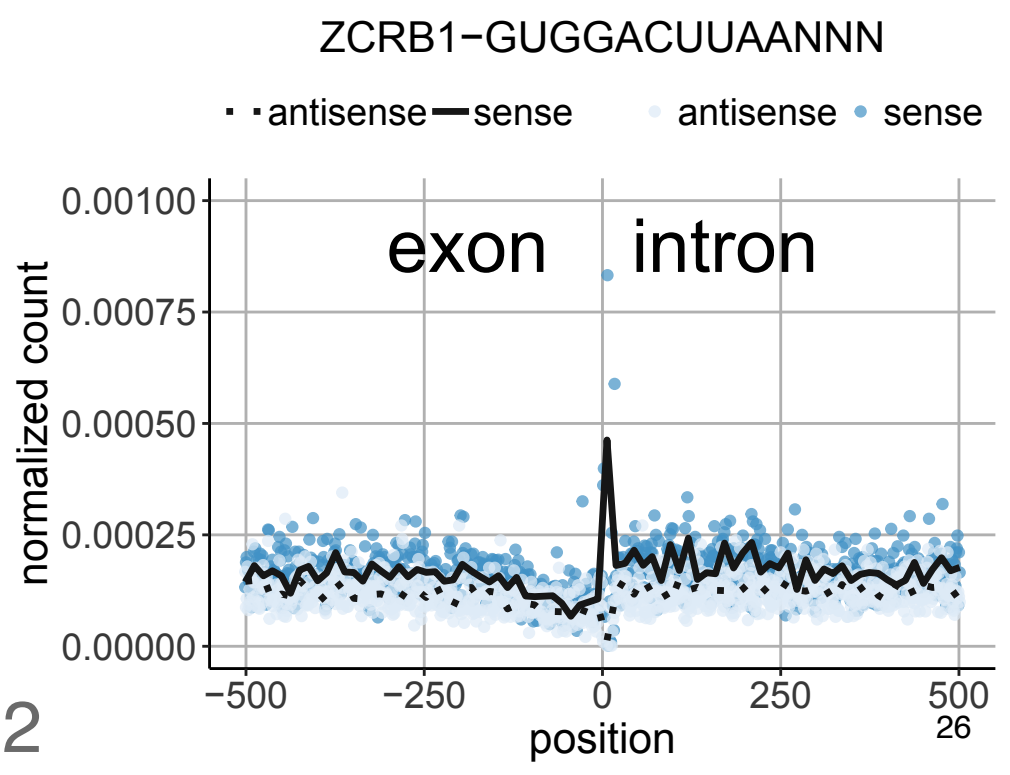

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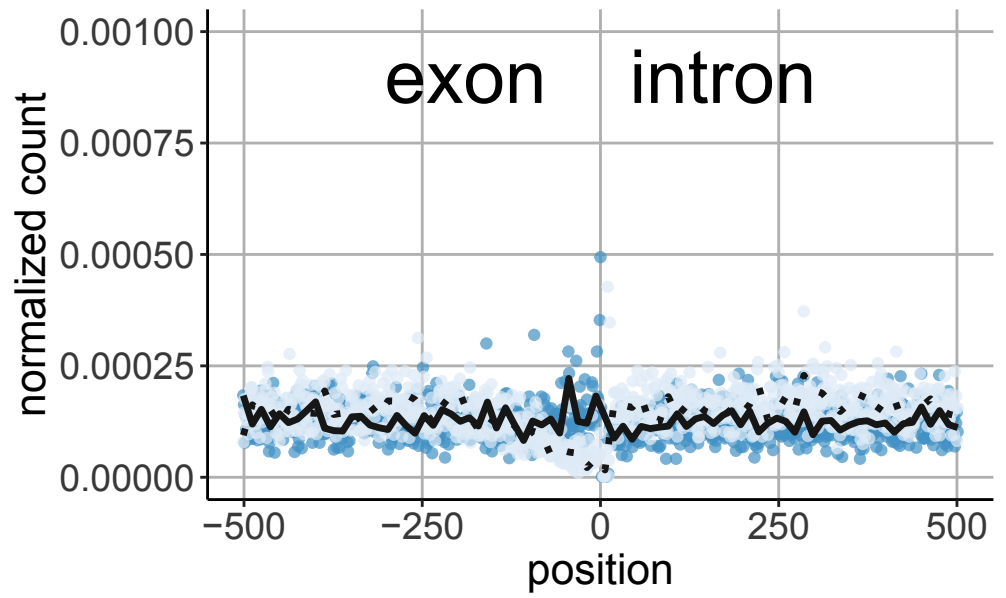


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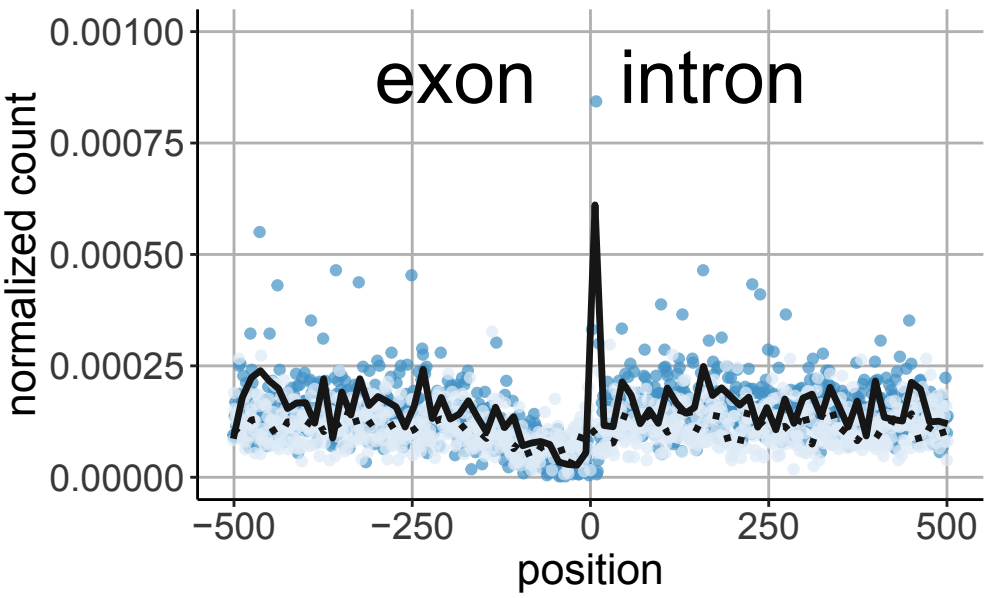


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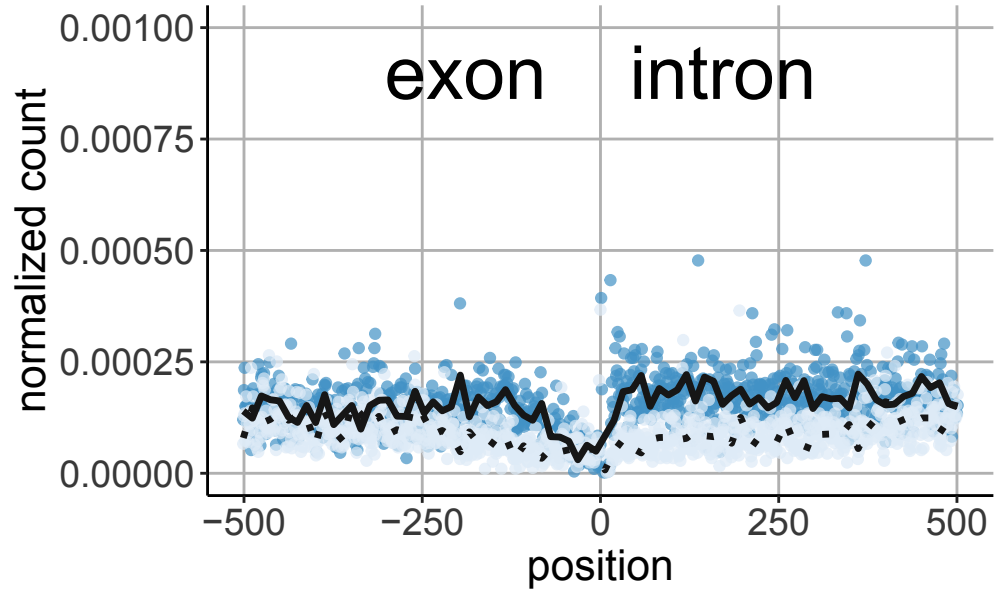


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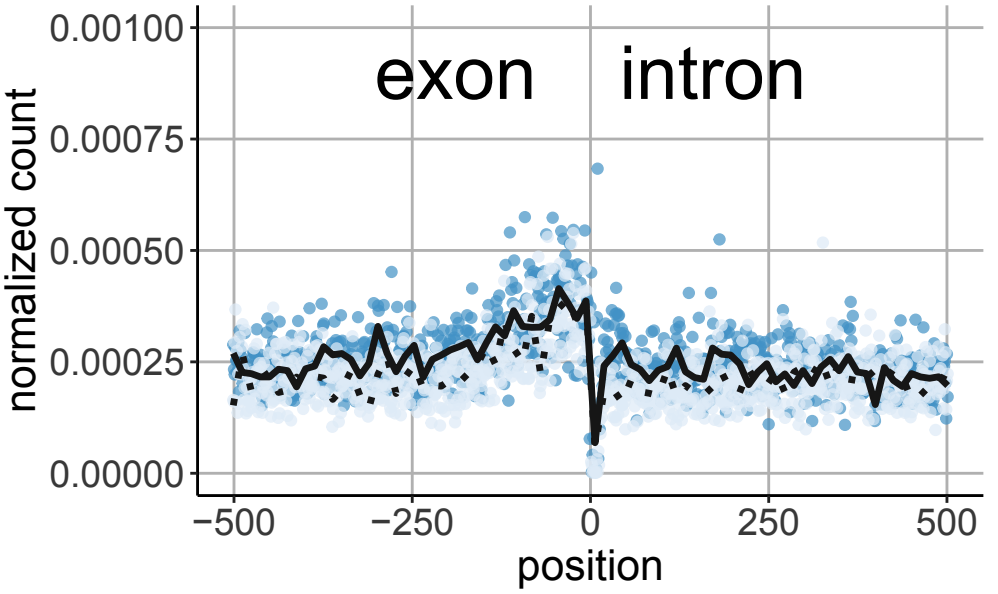


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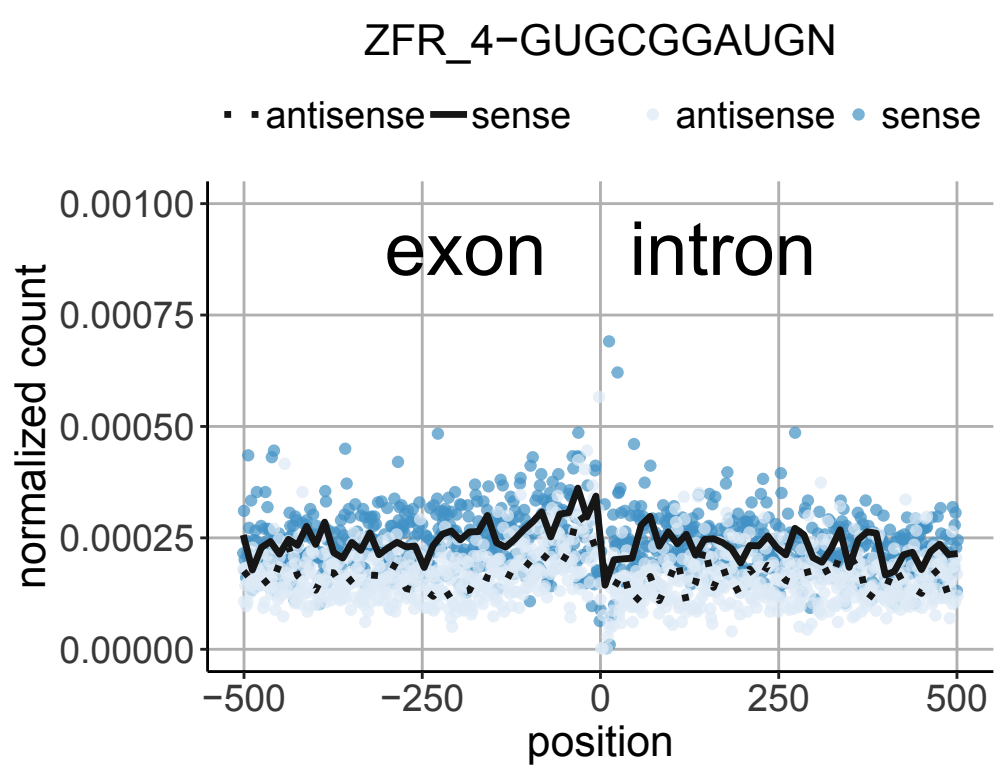
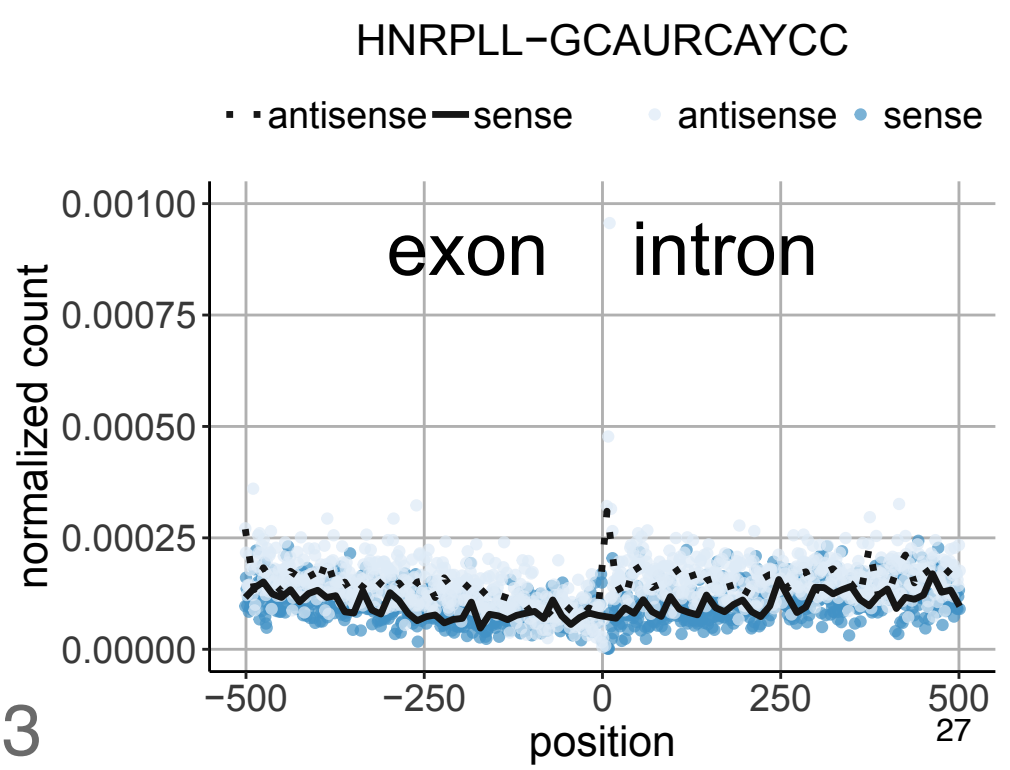



HNRPLL−GCAURCAYCC



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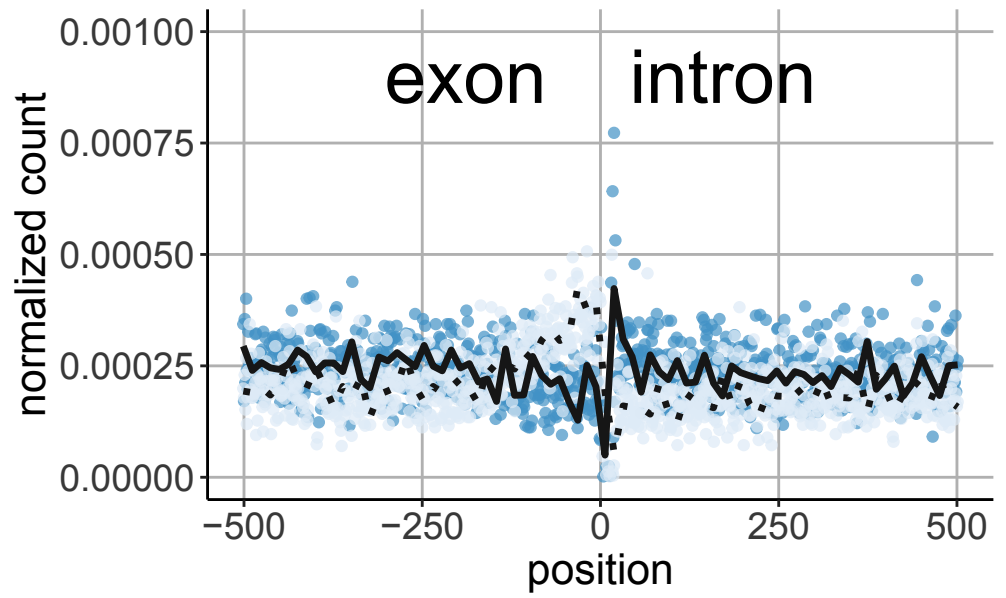


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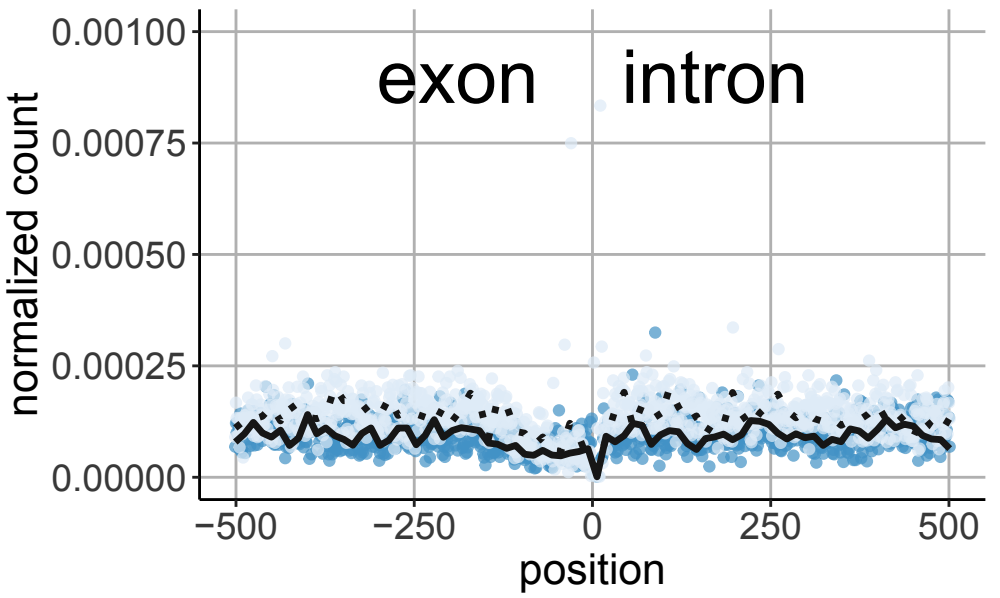


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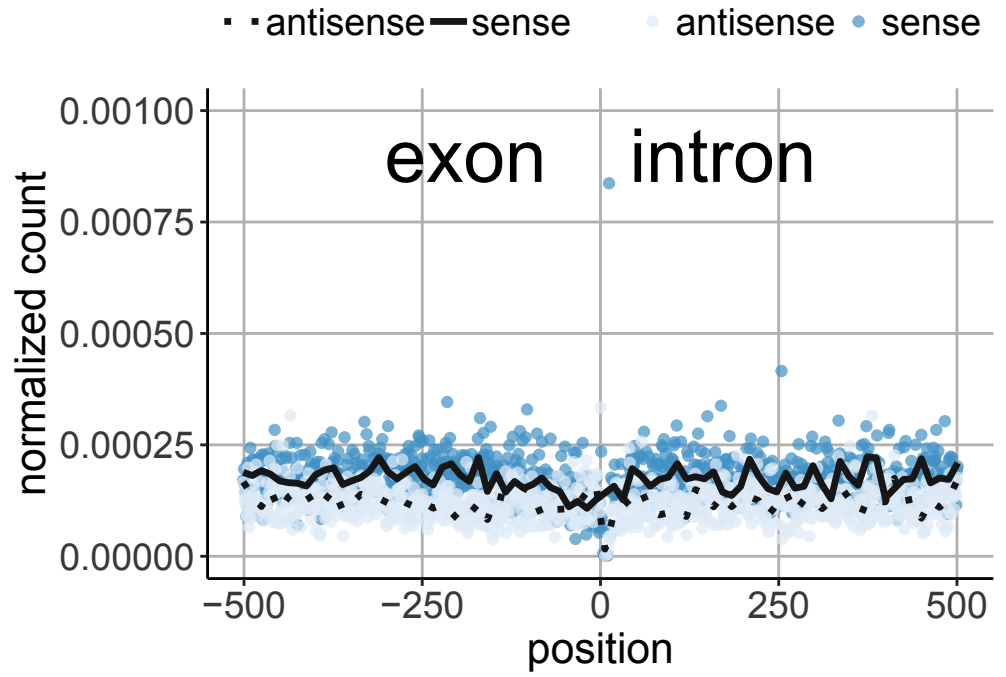


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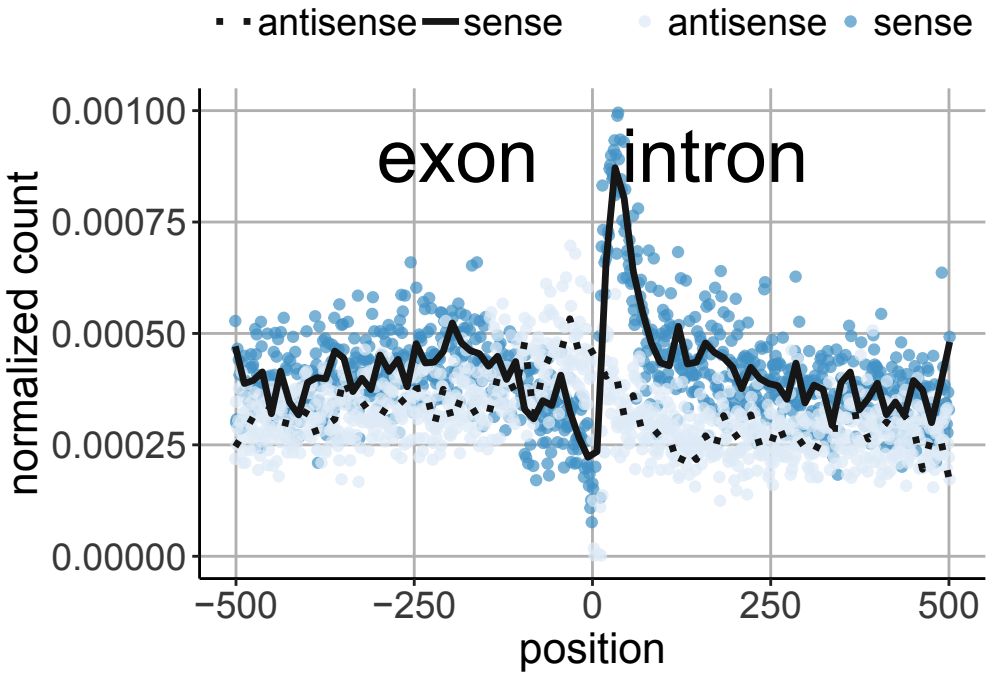


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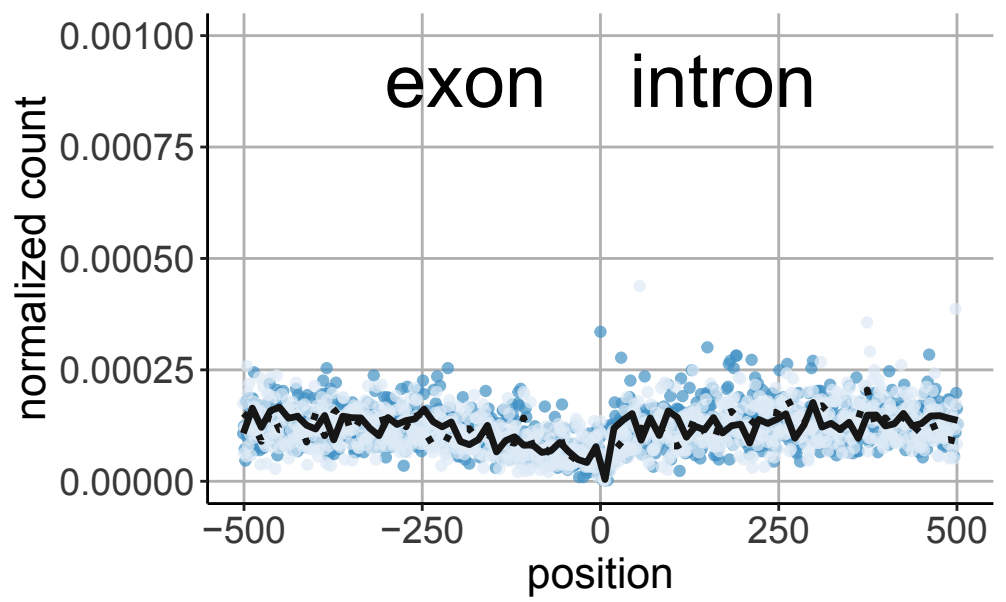


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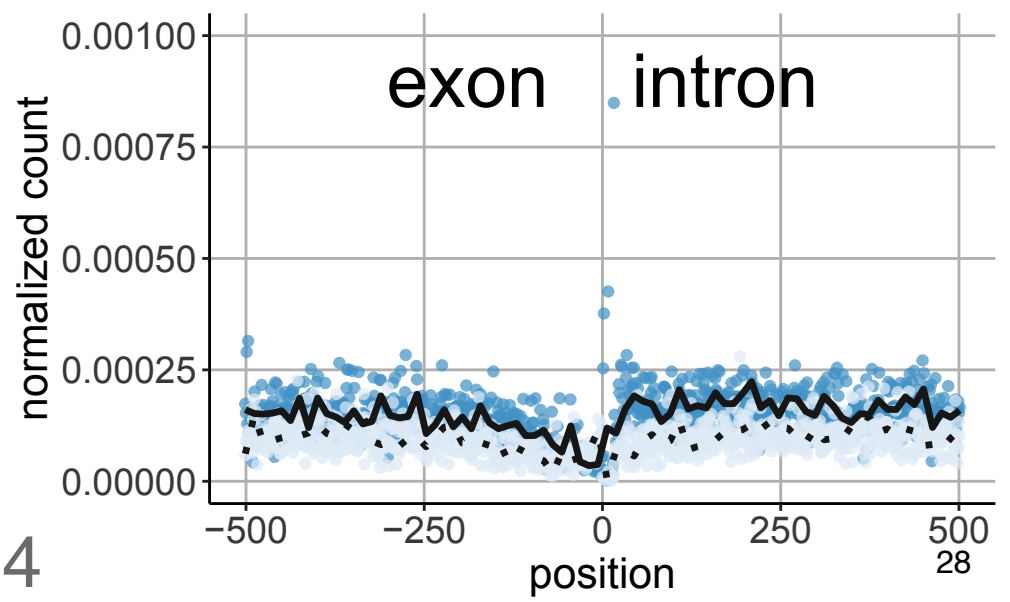

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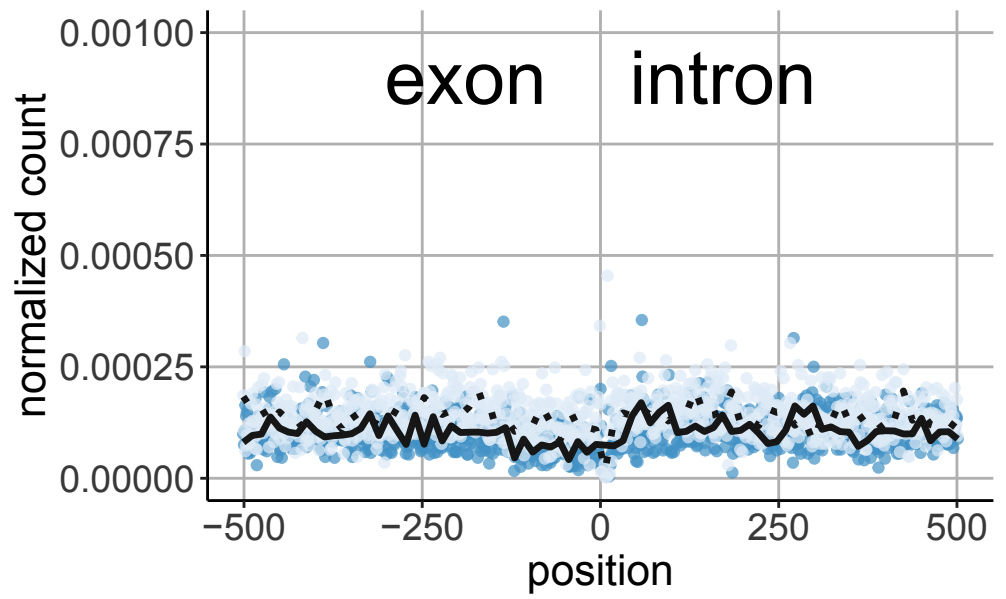


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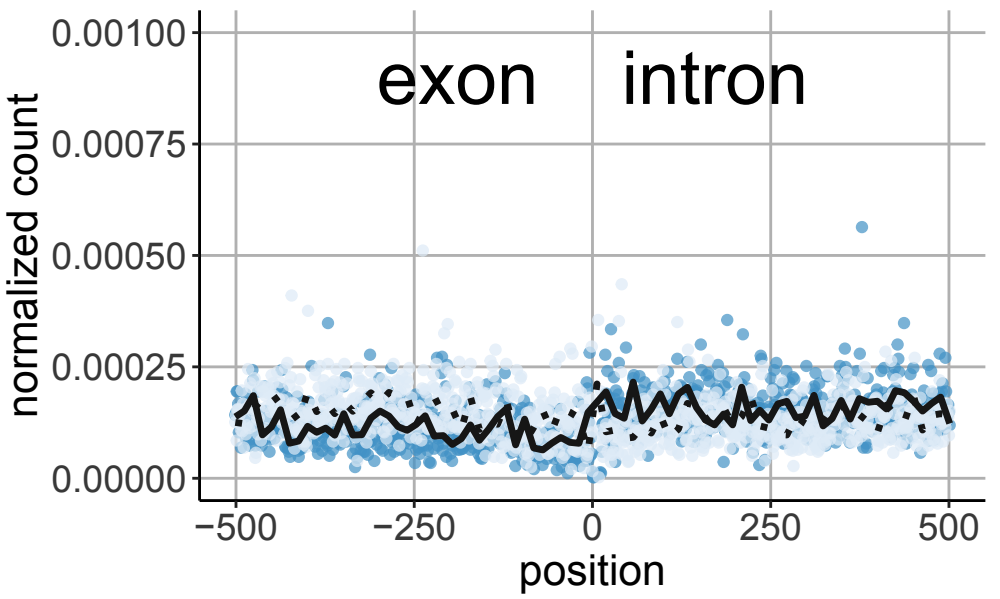


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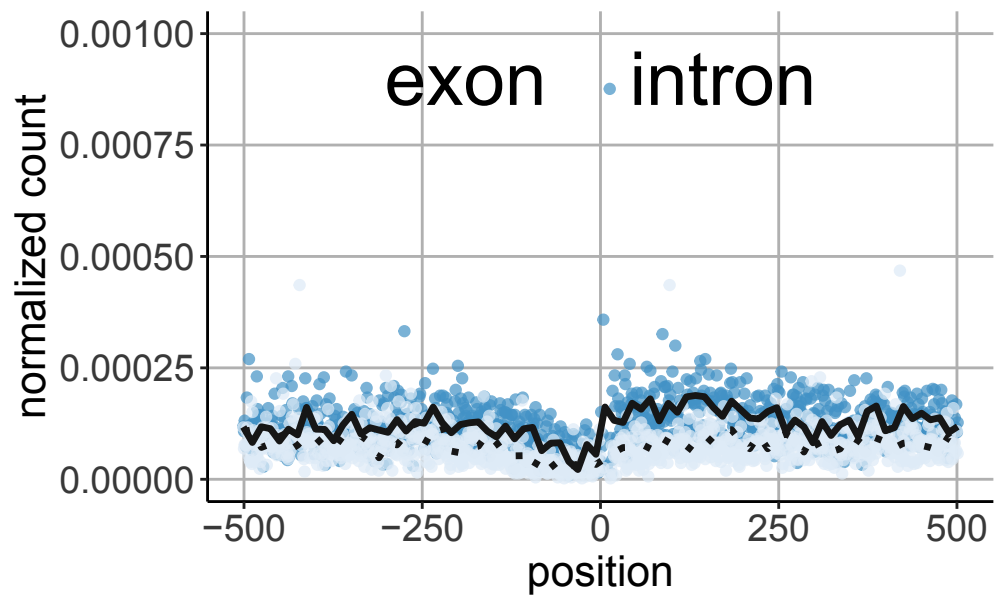


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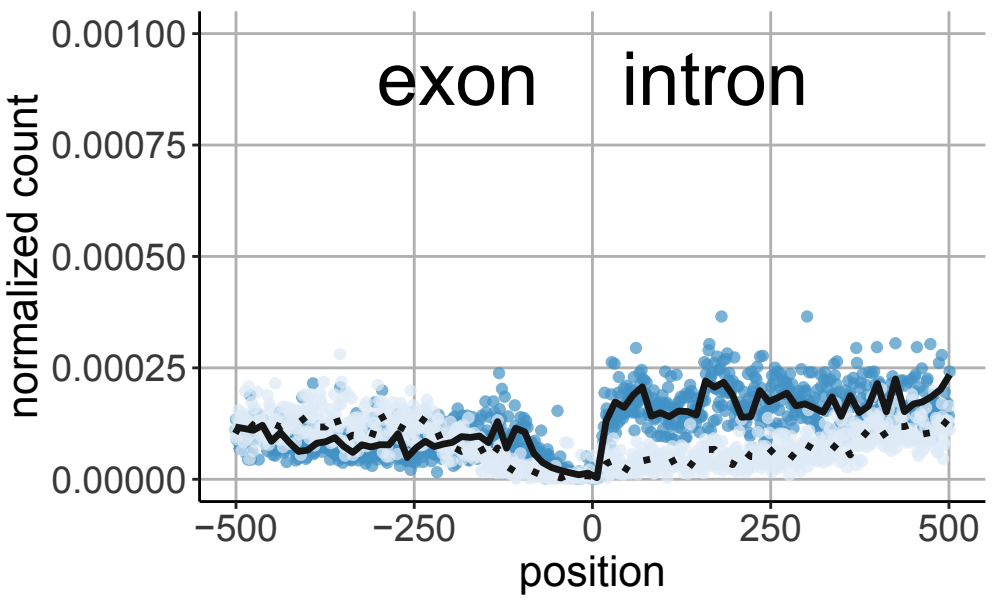


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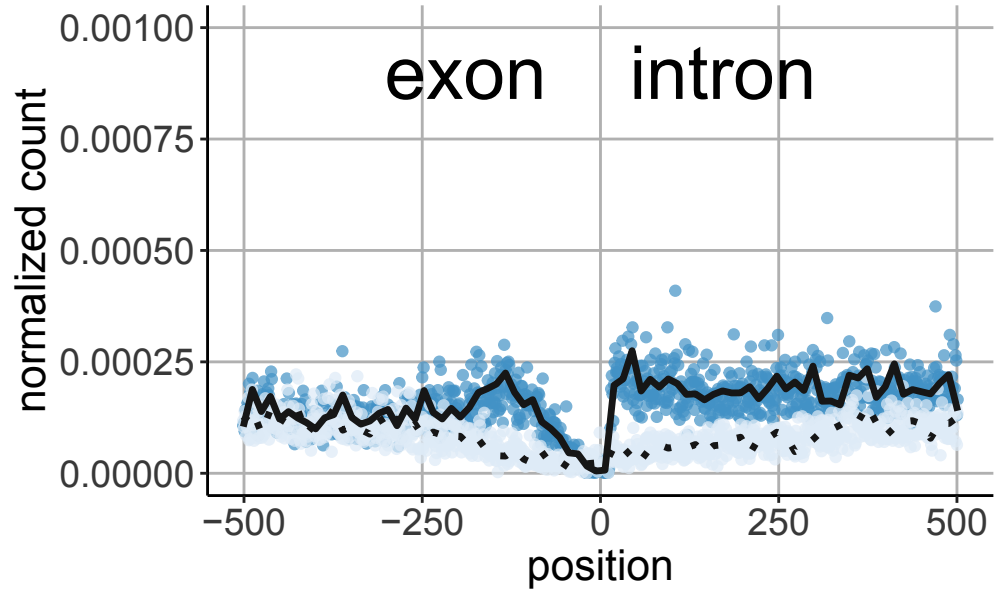


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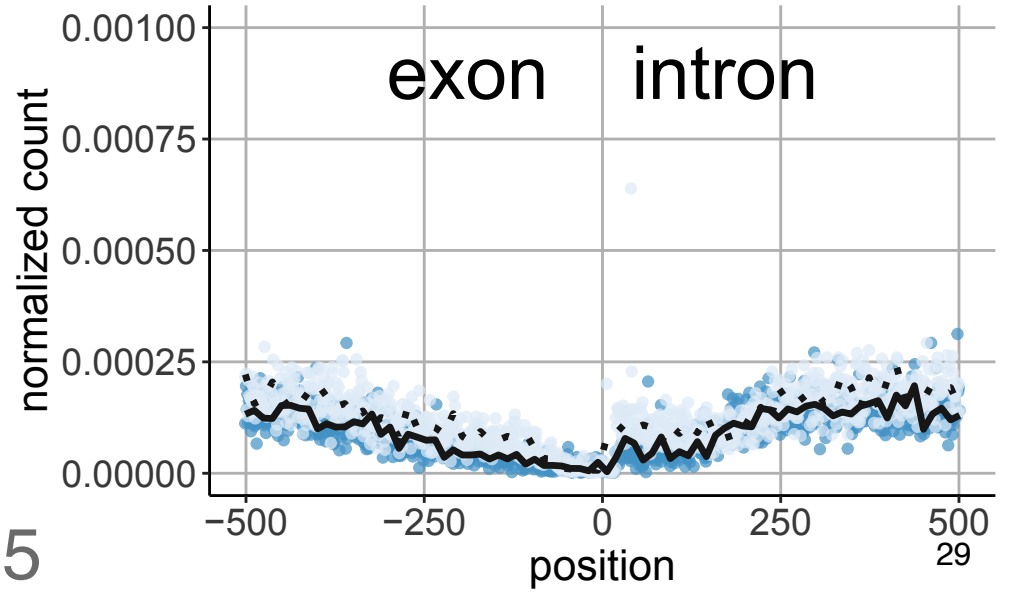

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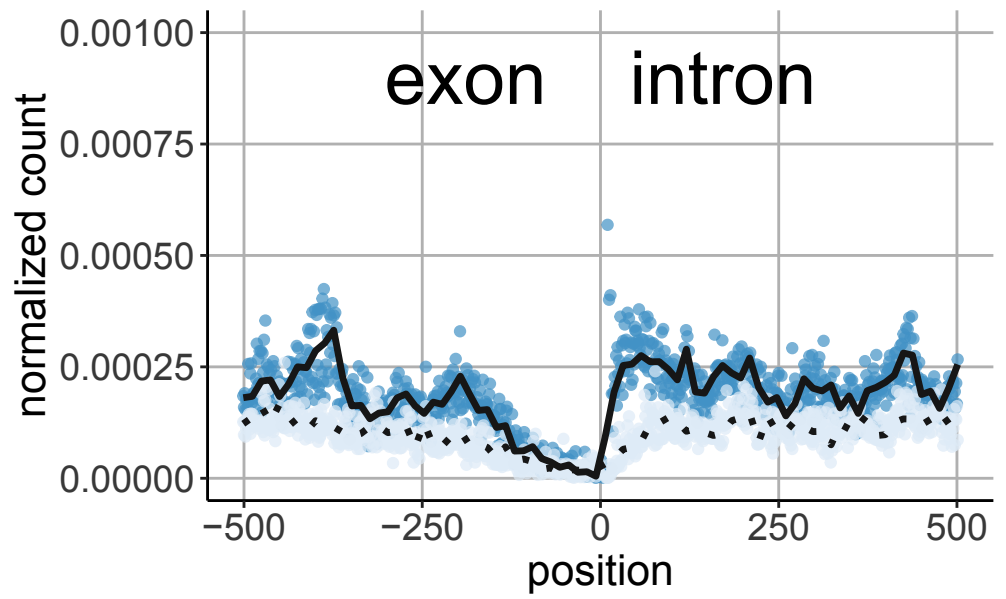


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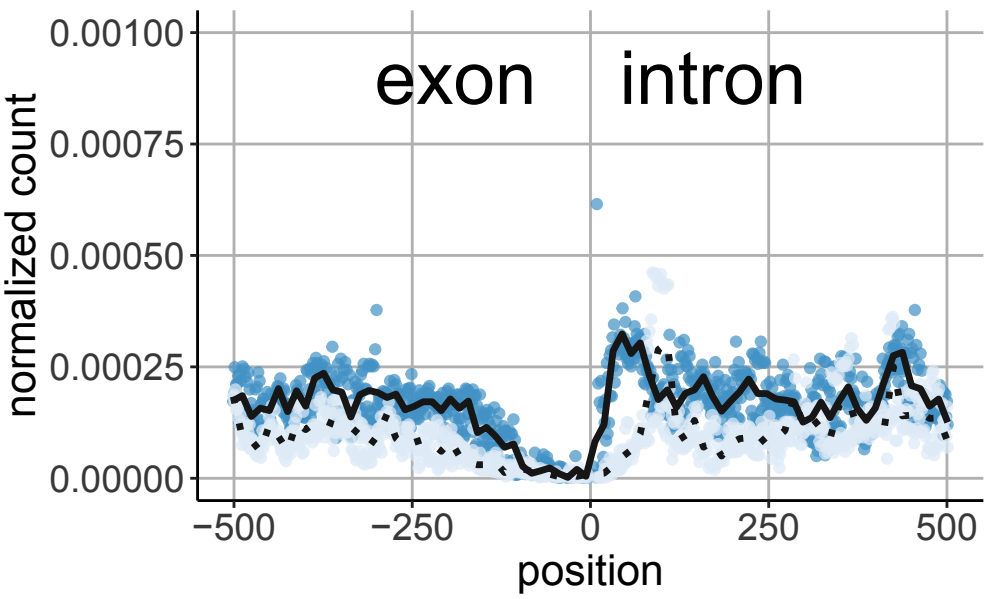


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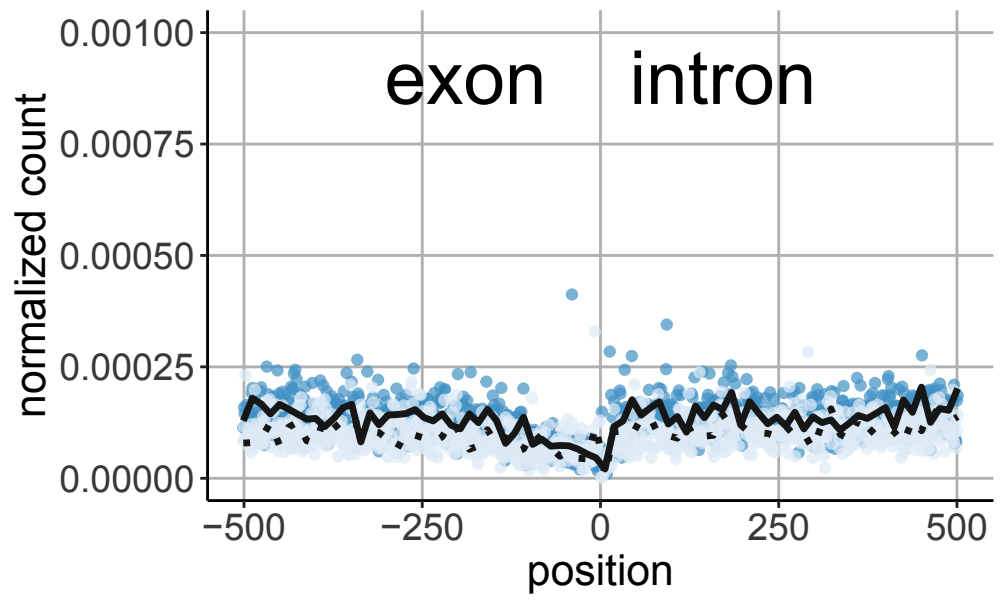


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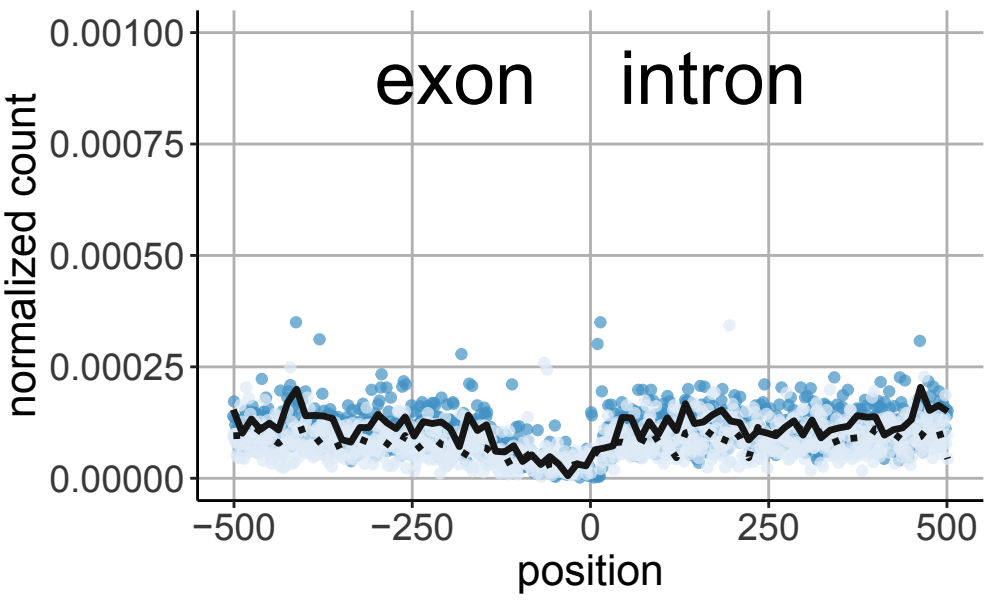


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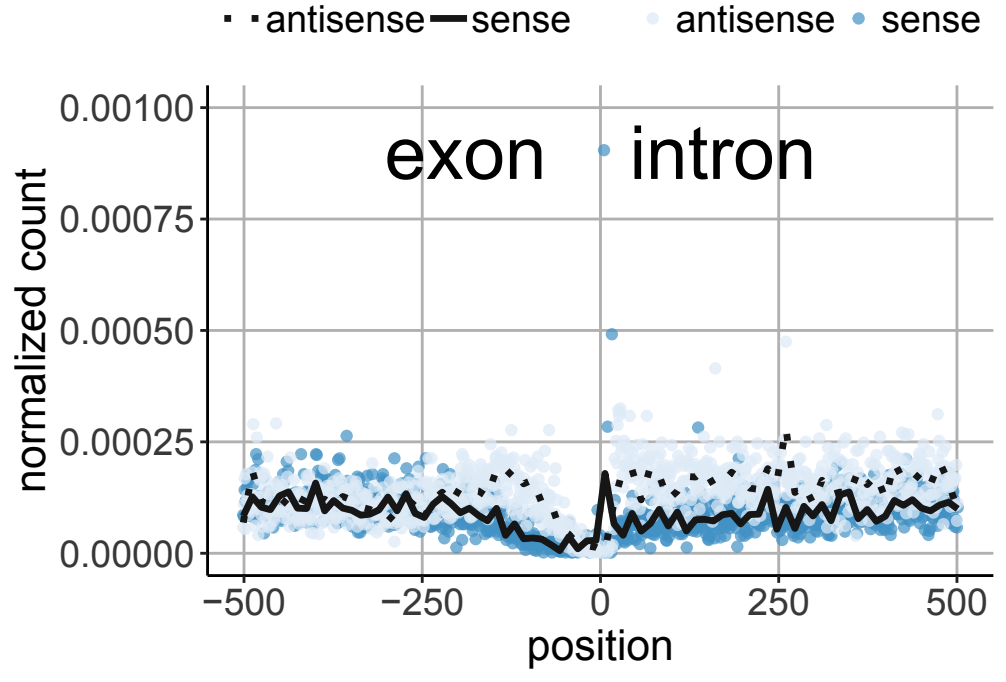


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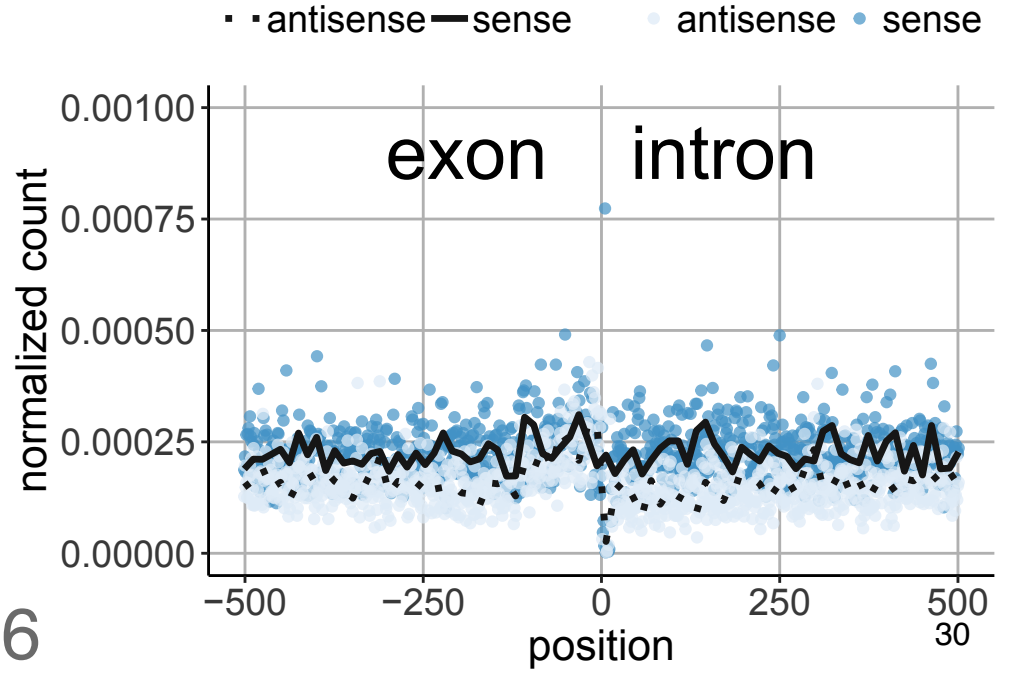

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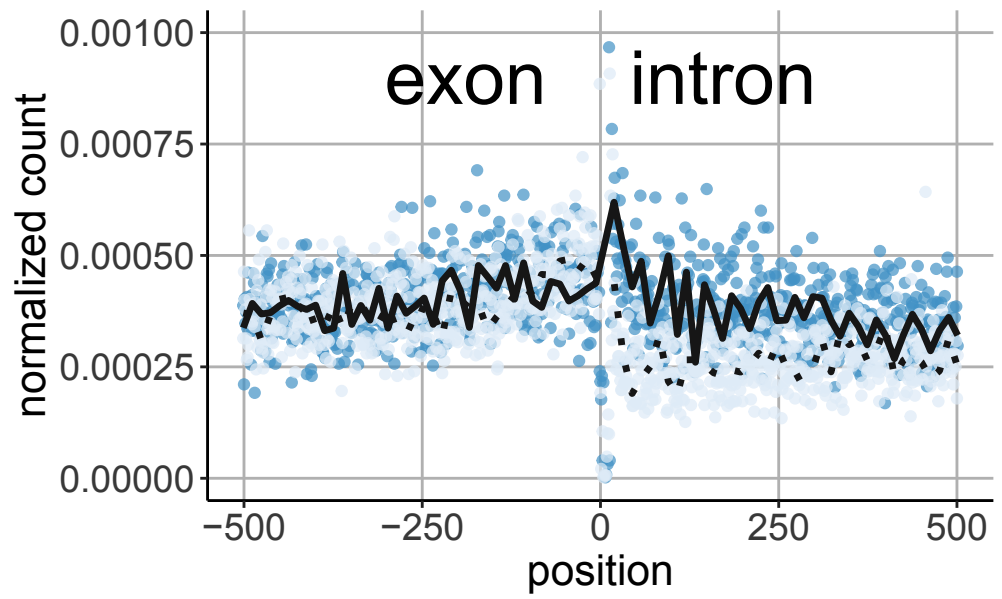


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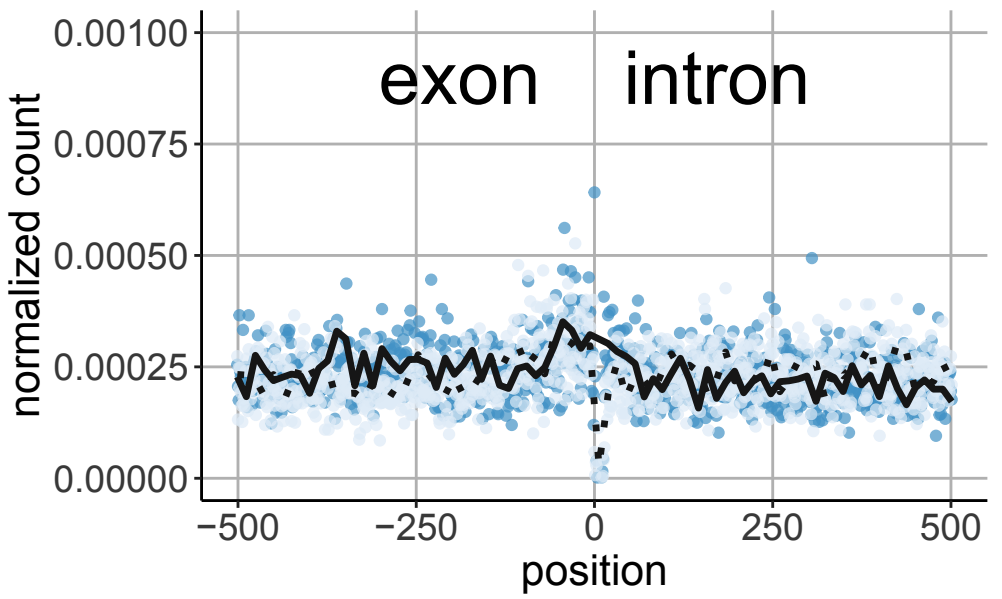


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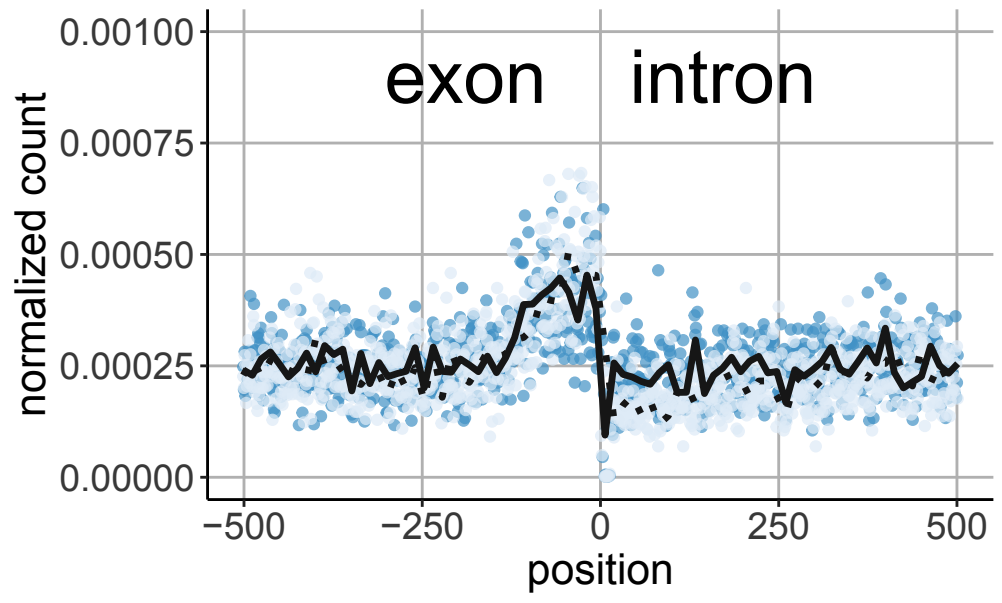


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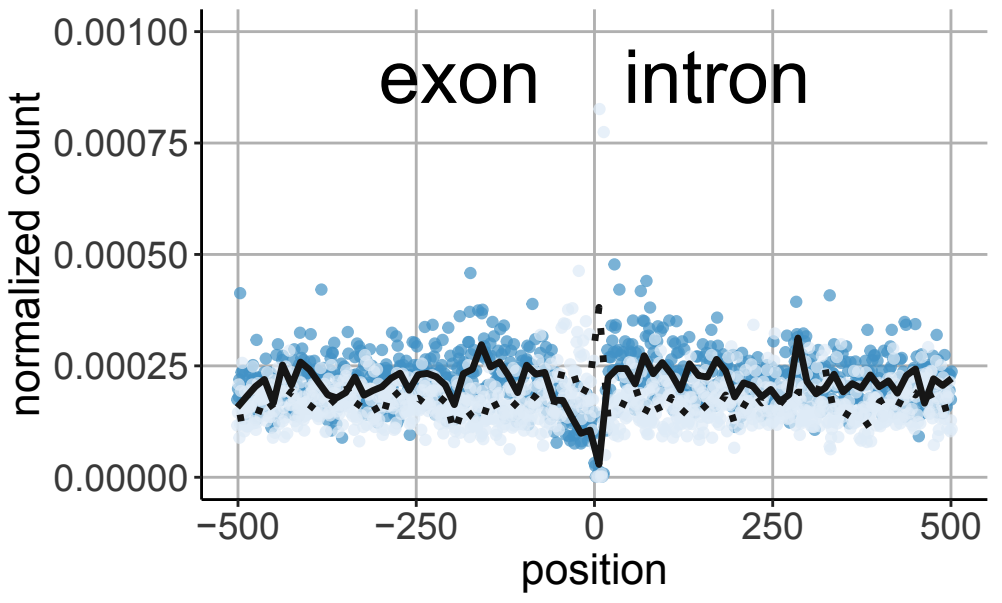


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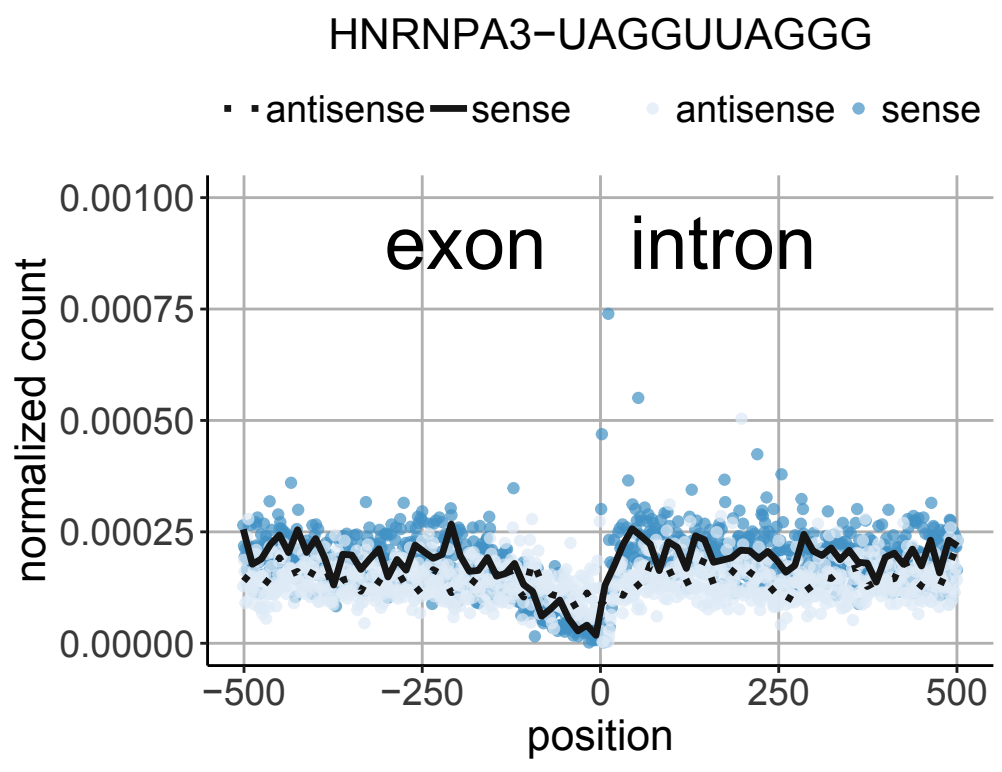


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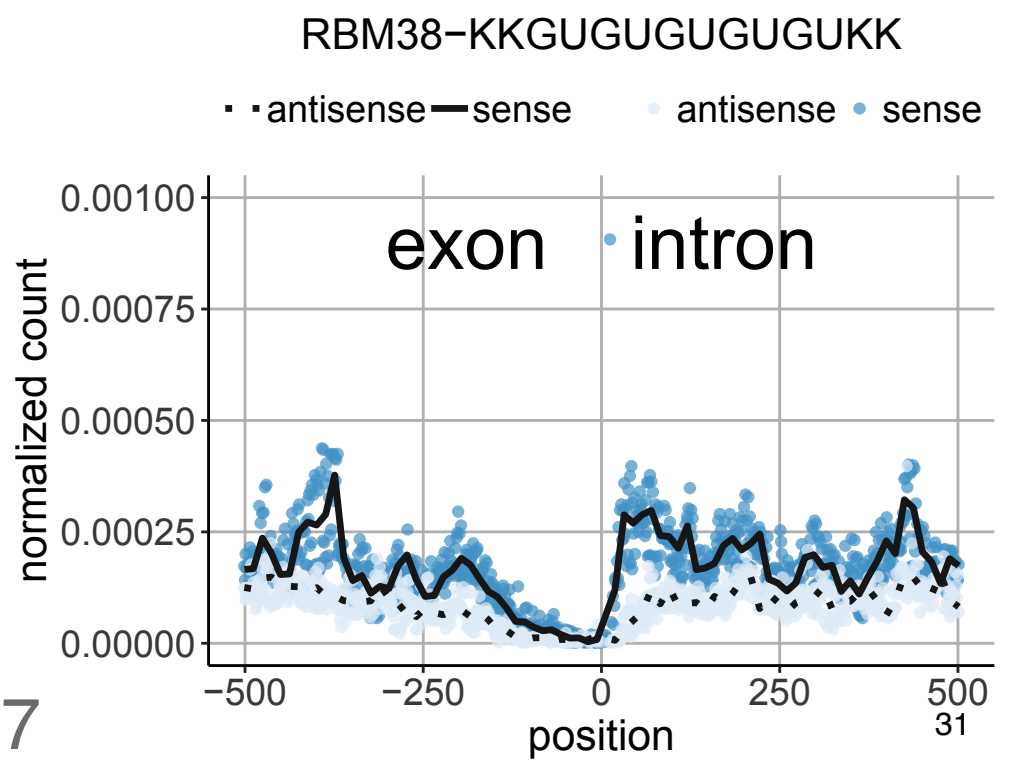

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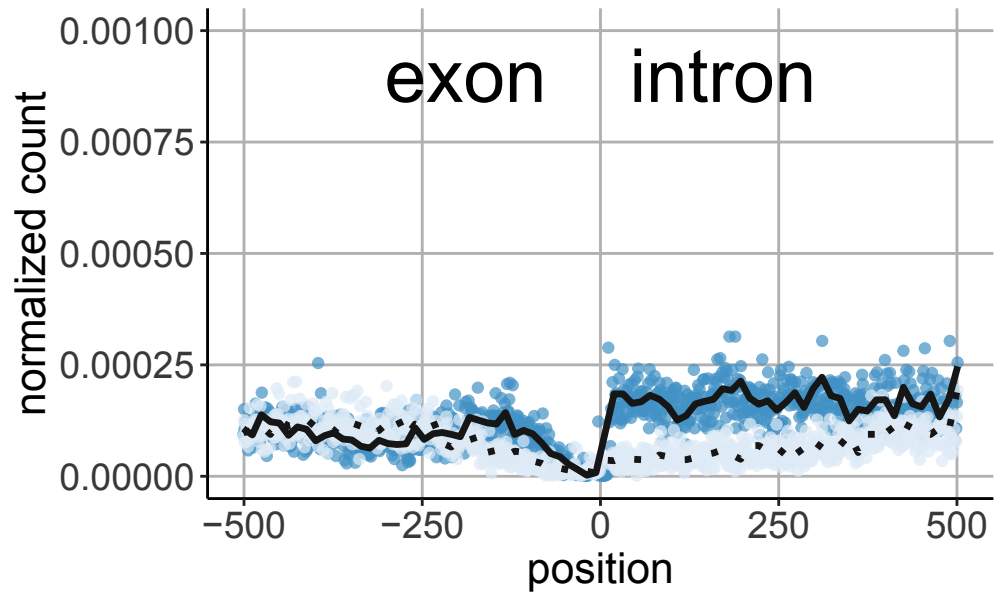


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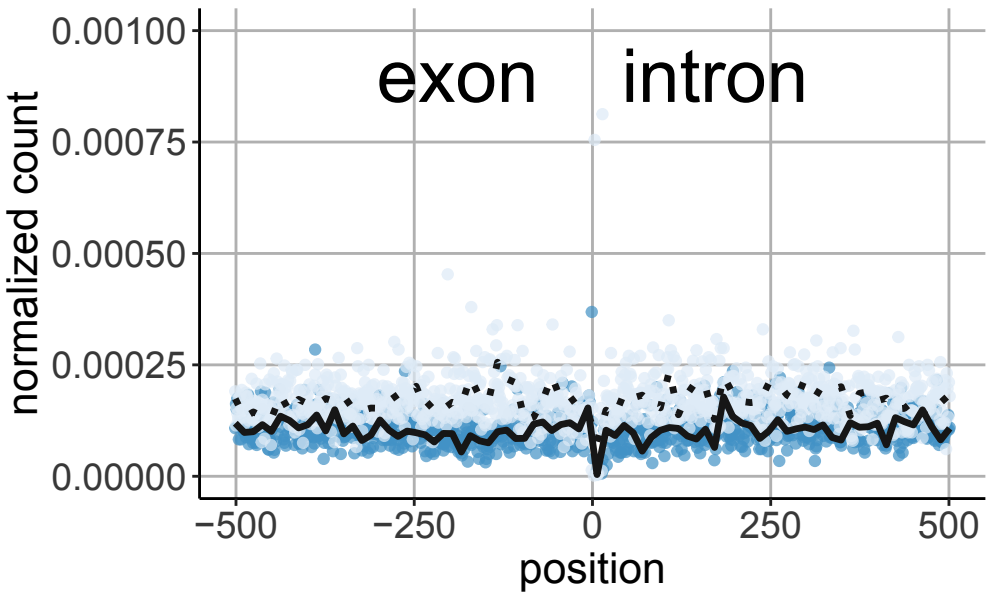


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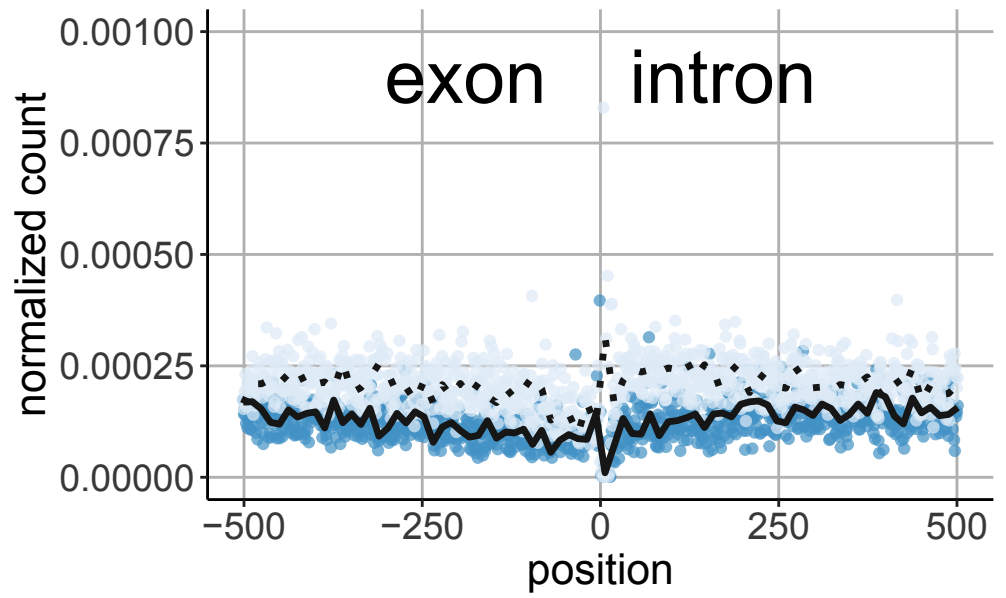


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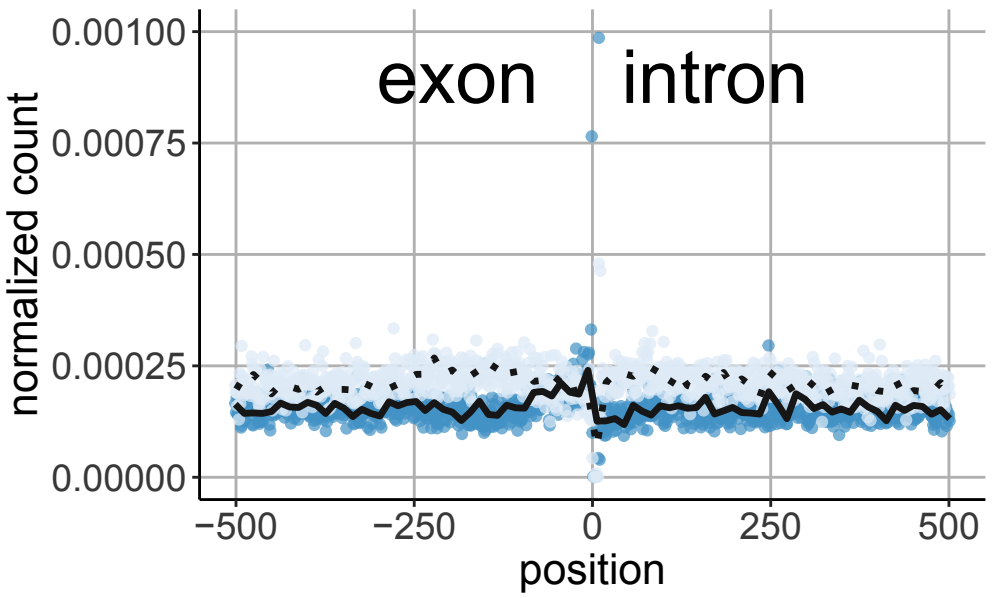


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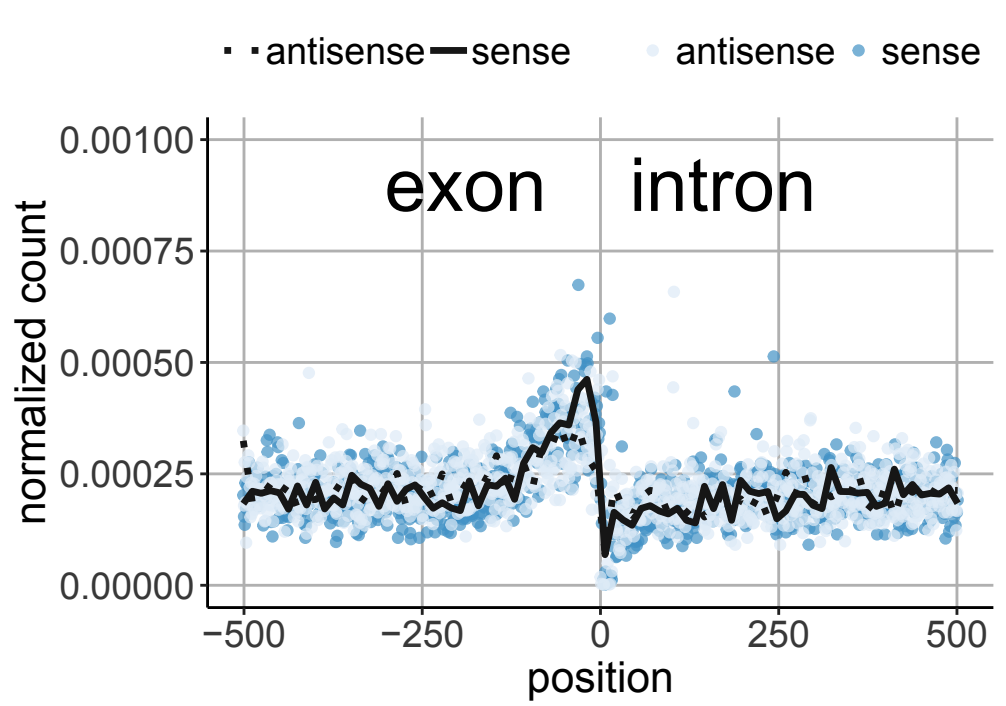


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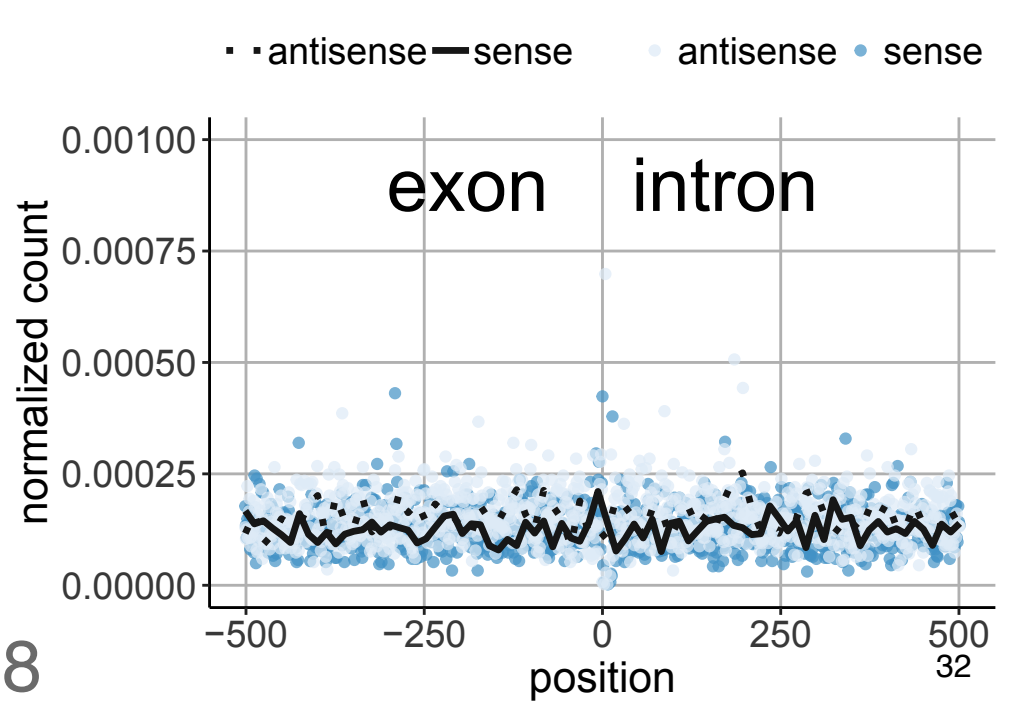

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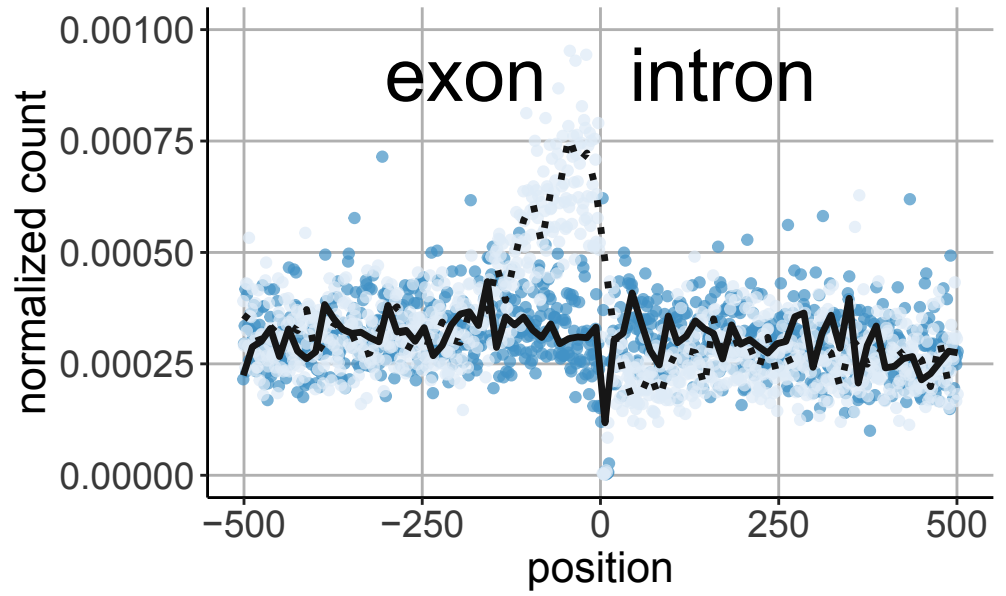


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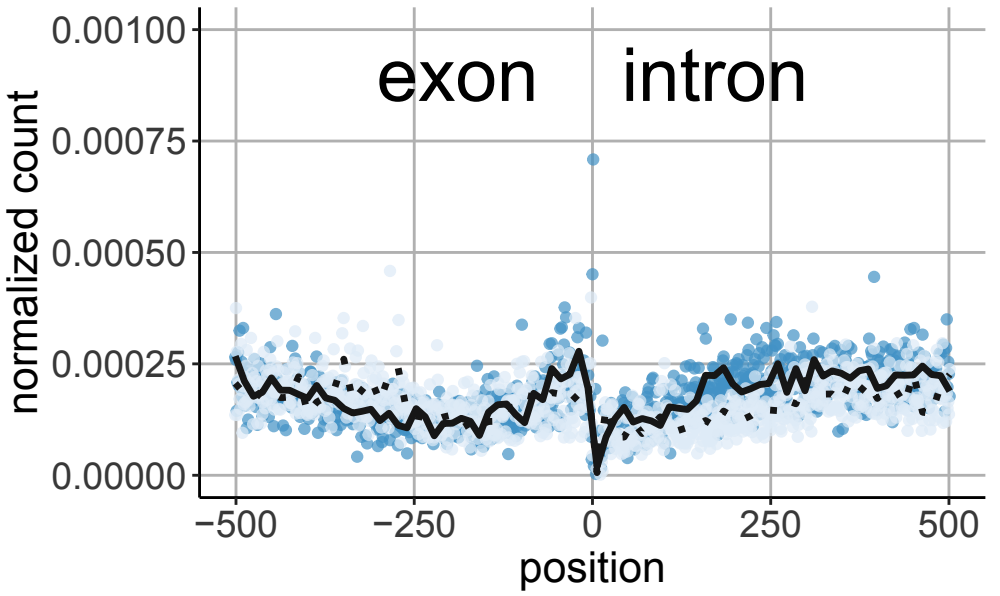
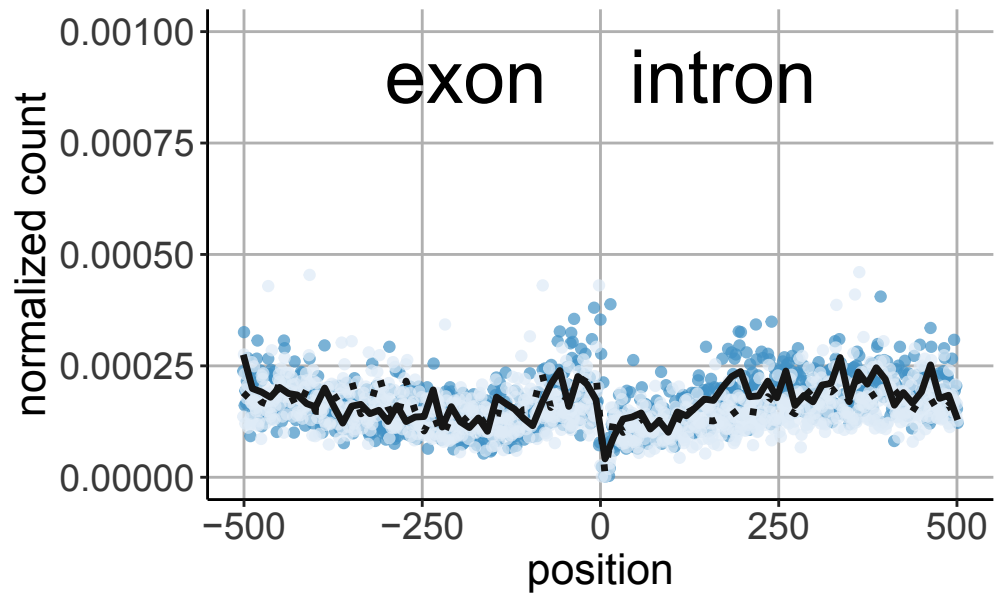



SNRNP70−GUUCAAGGUG

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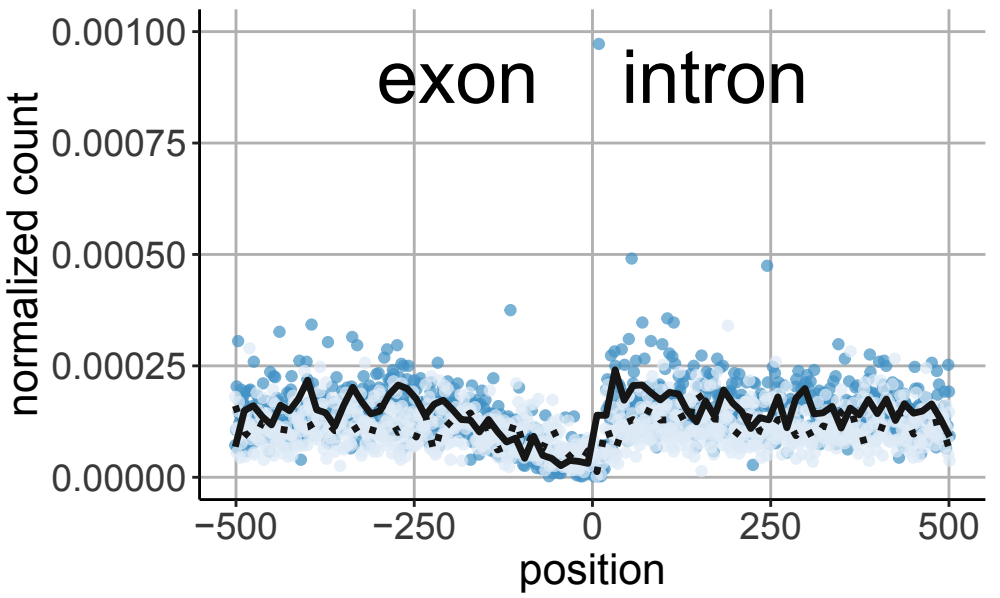


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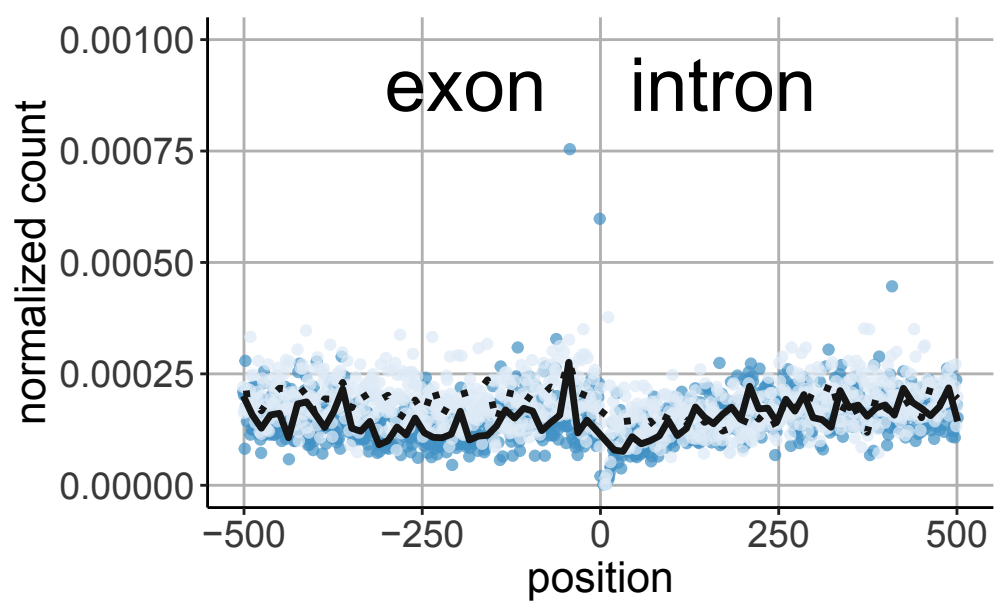


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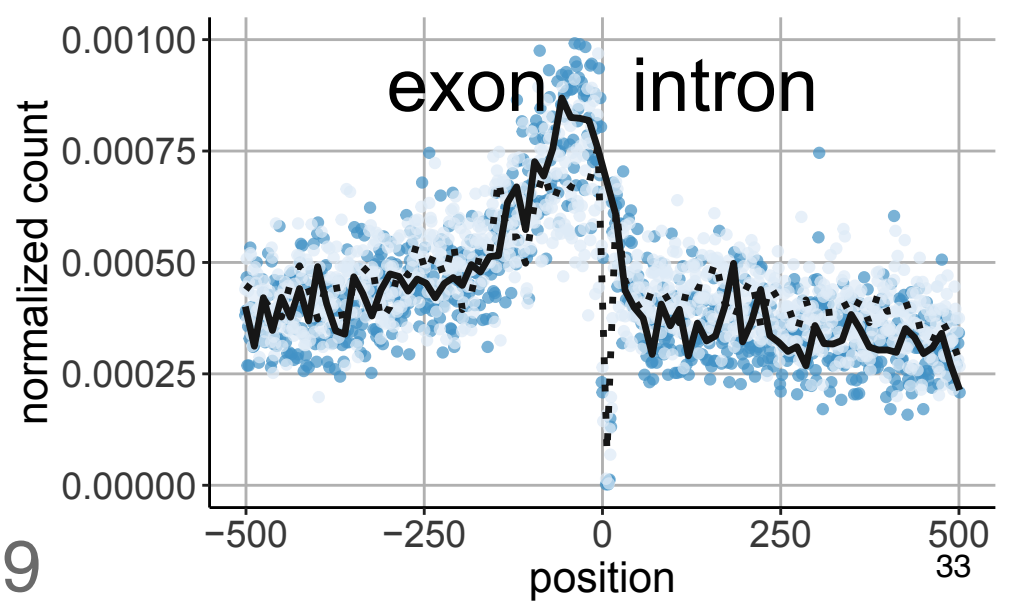

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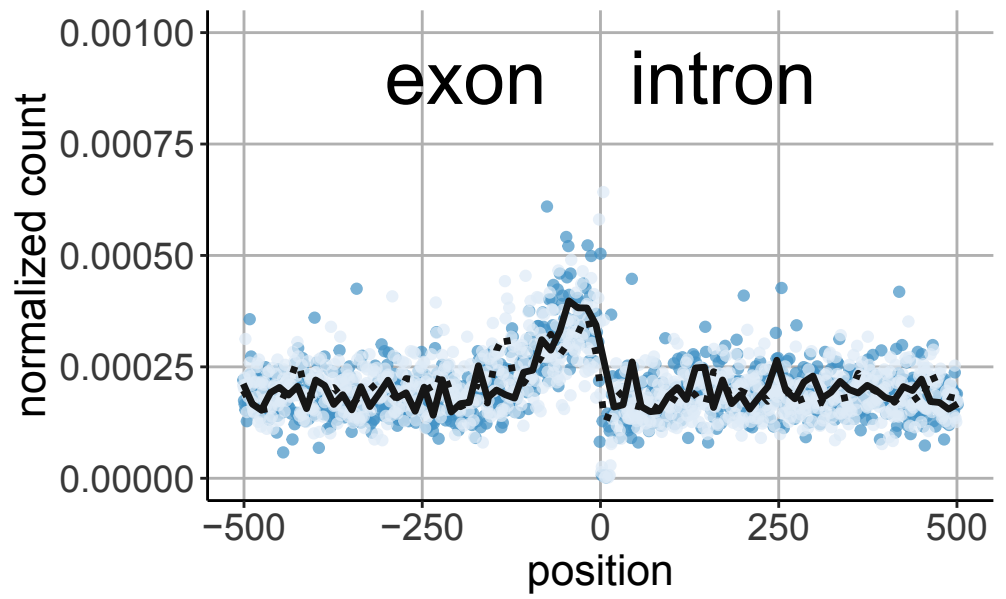


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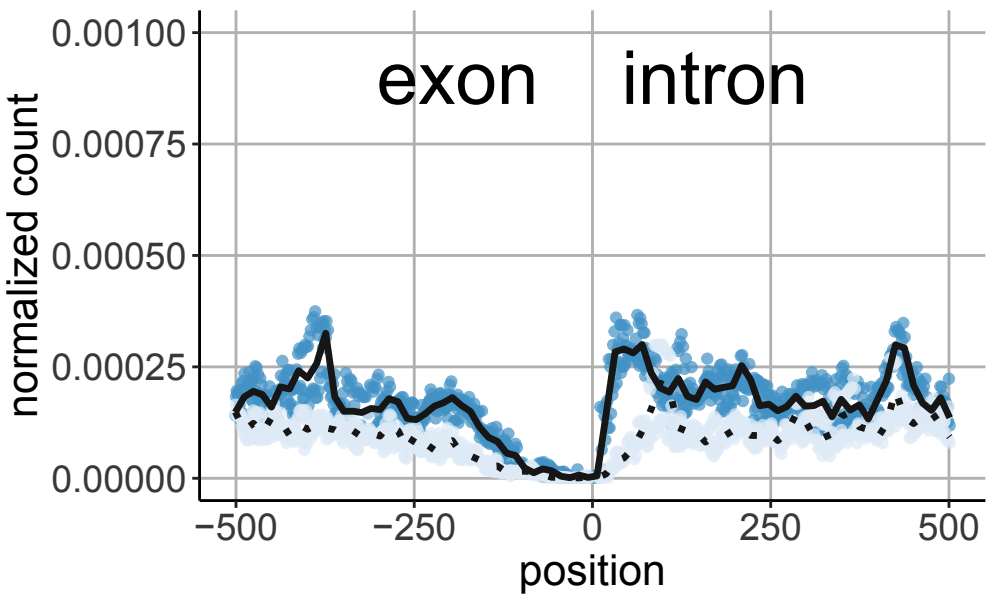


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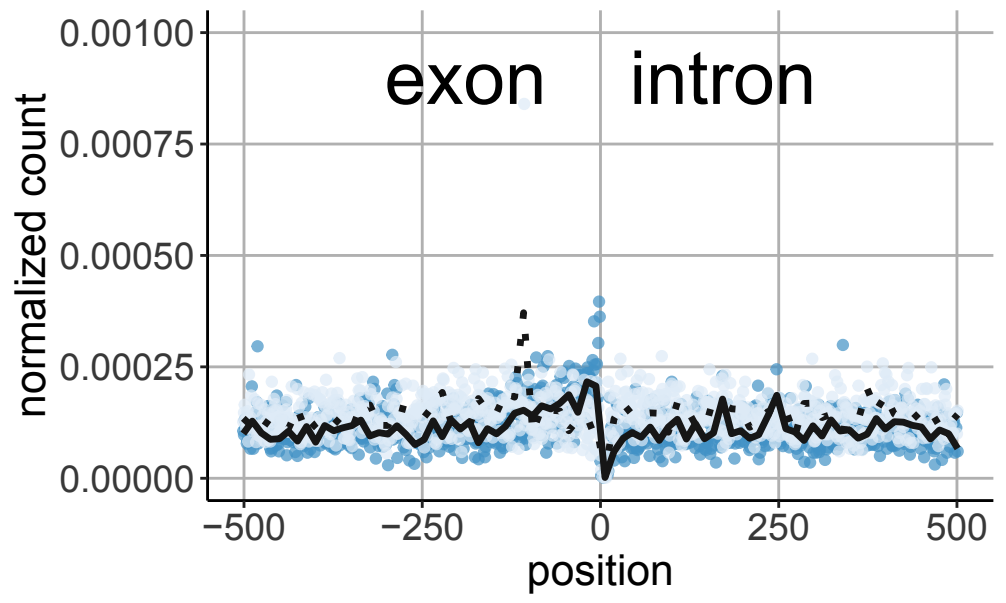


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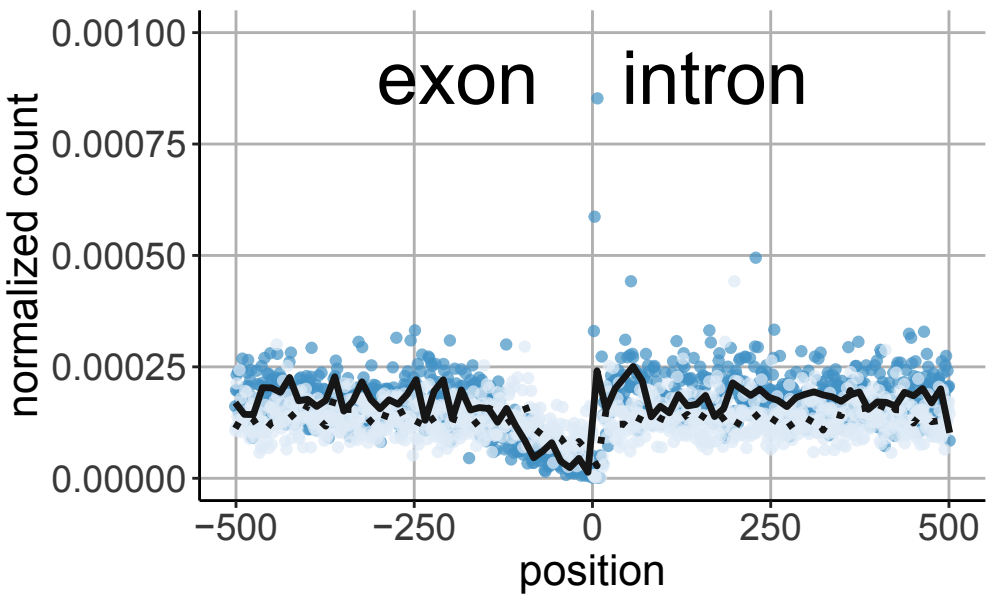


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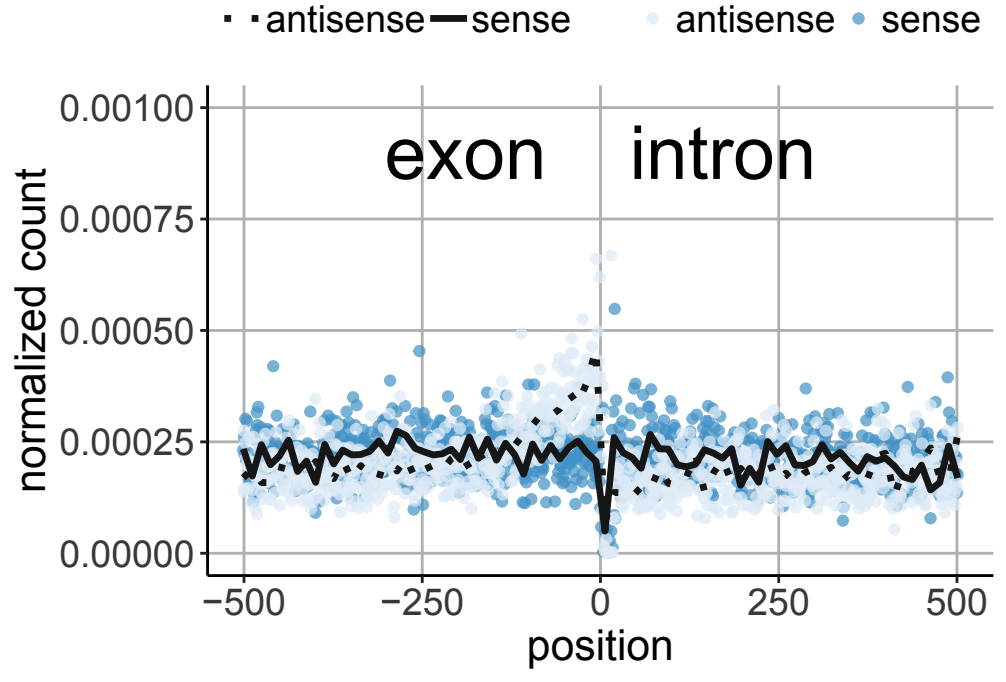


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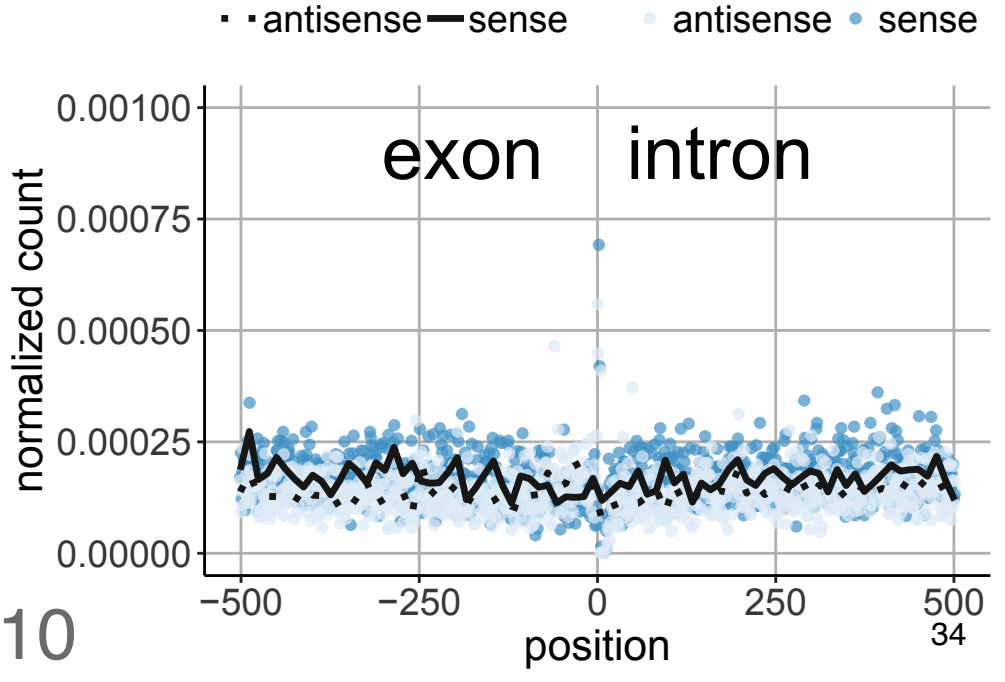

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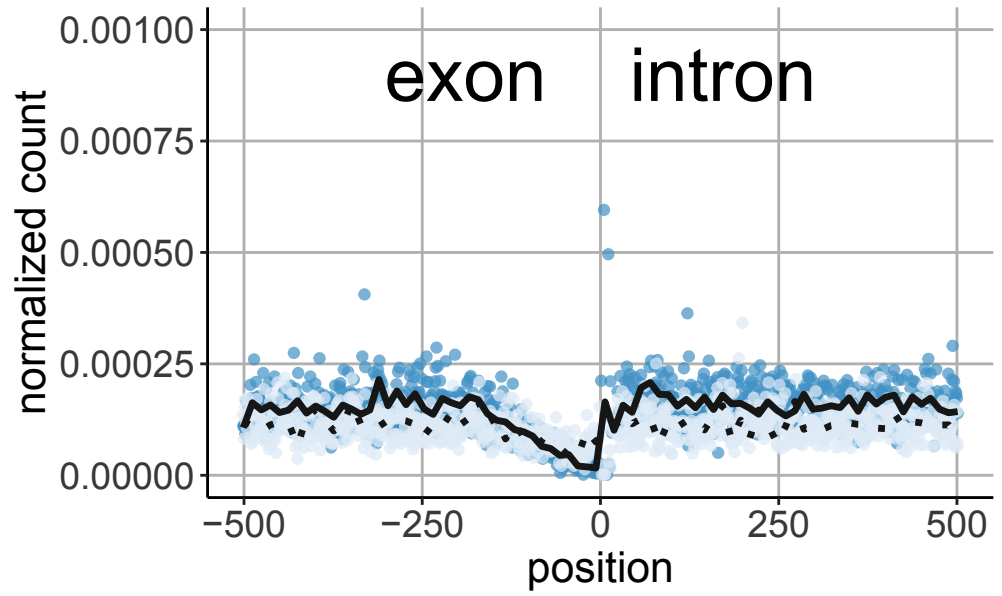


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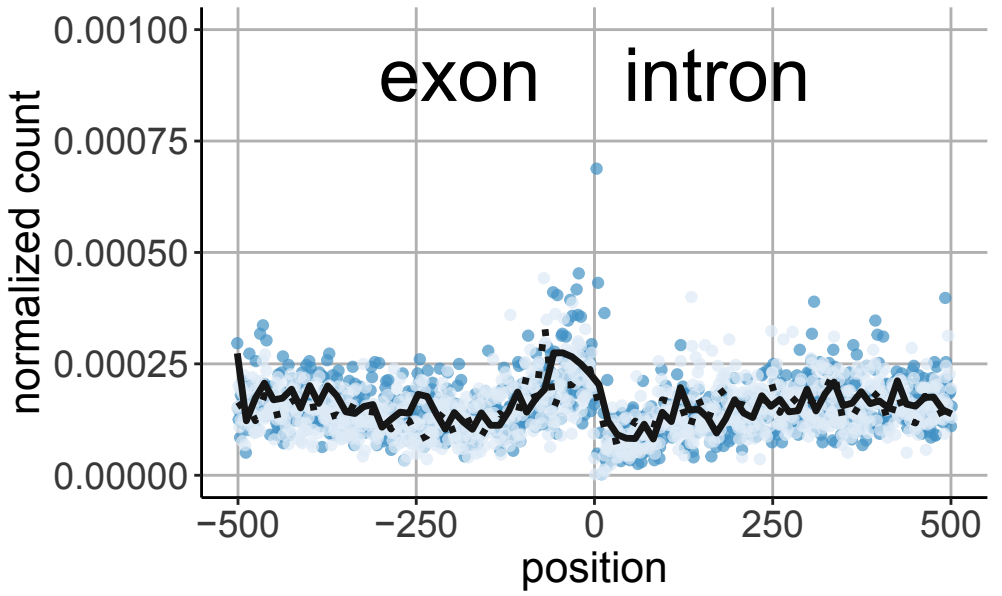


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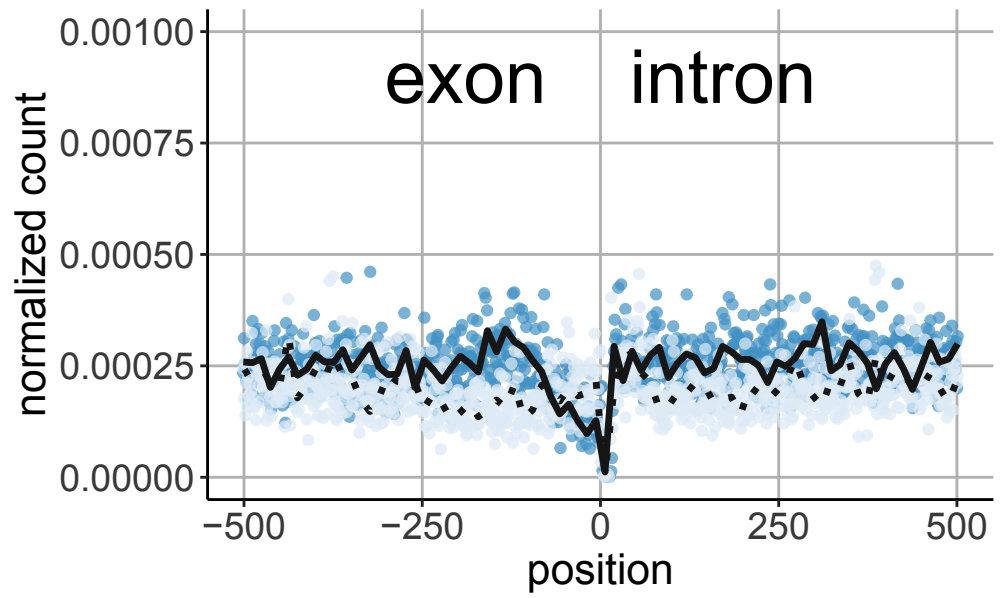


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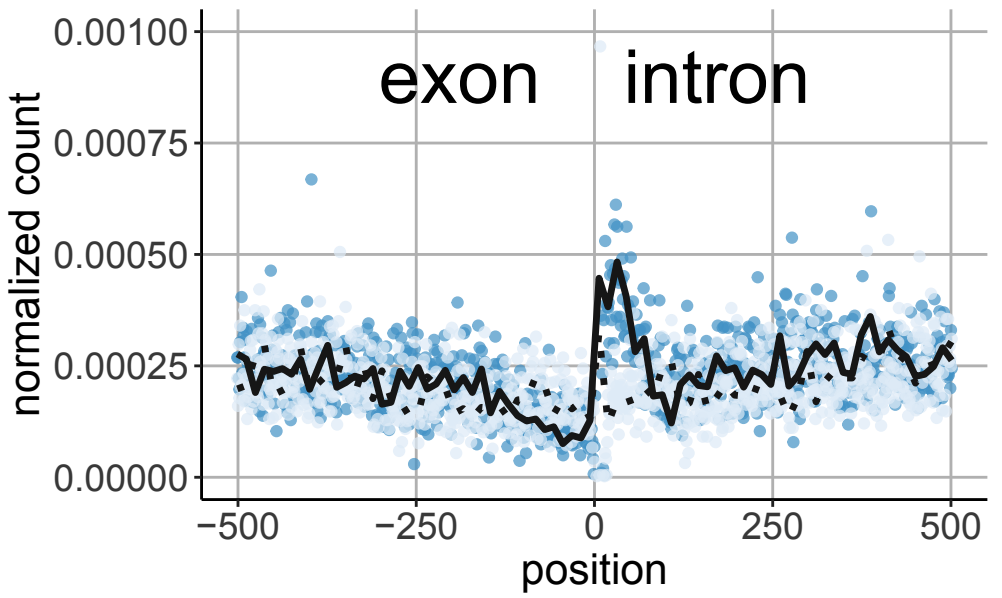


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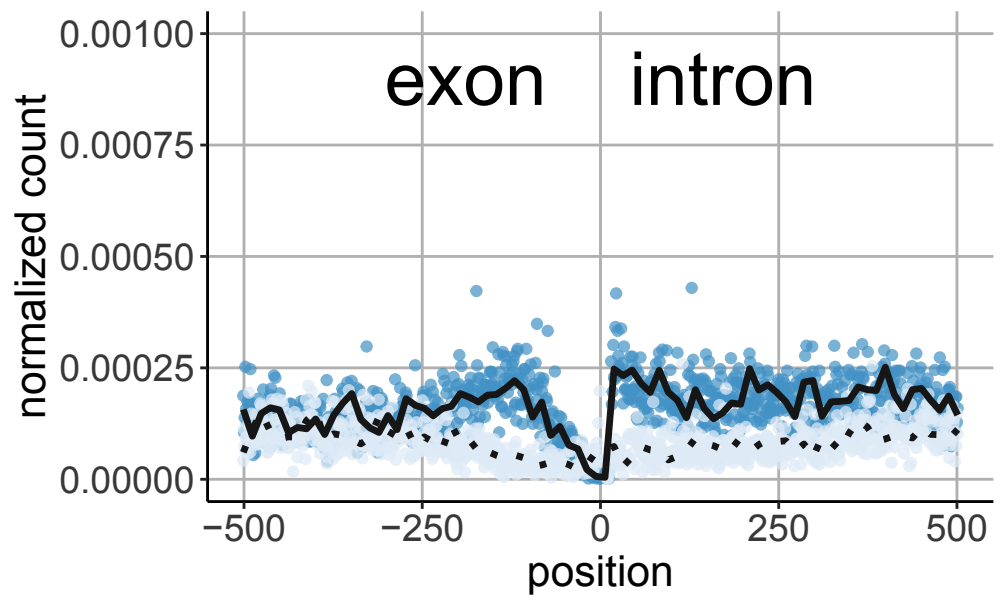


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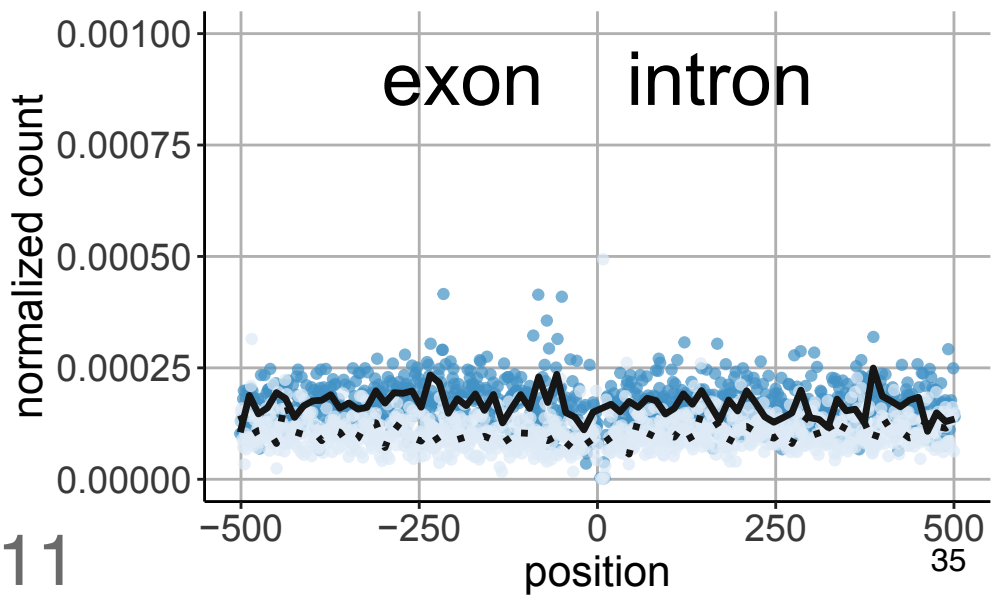

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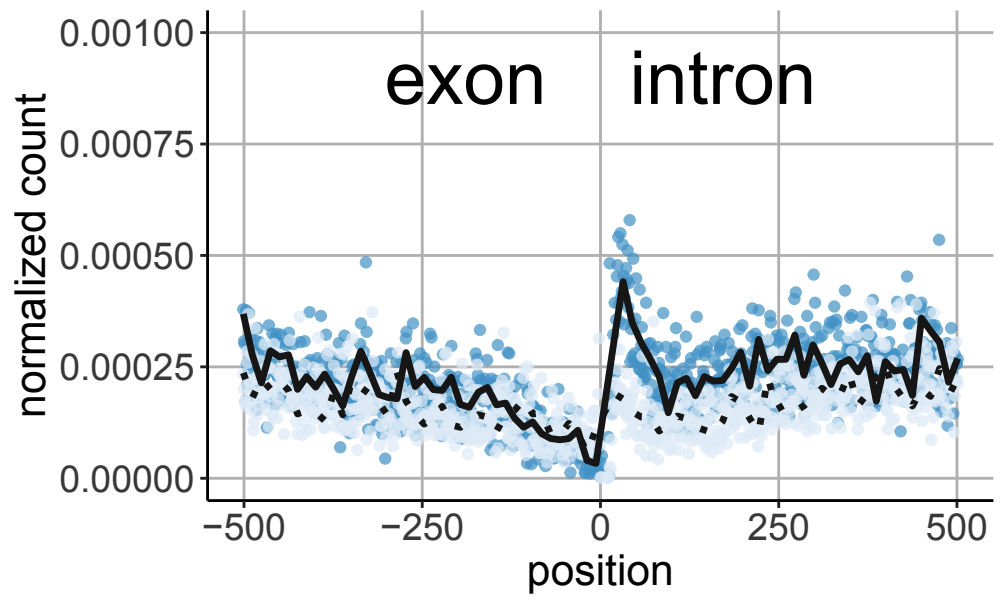


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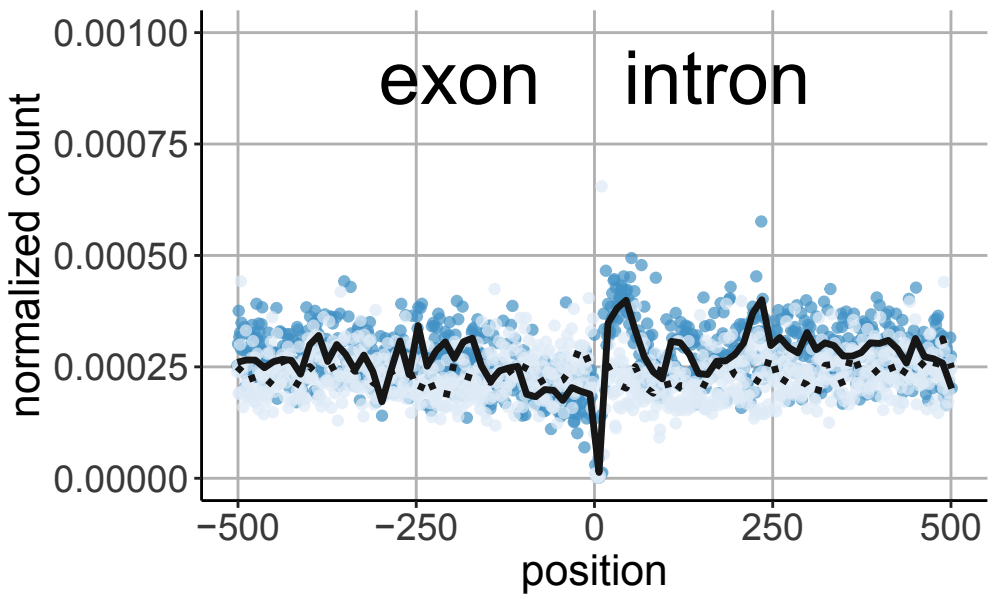


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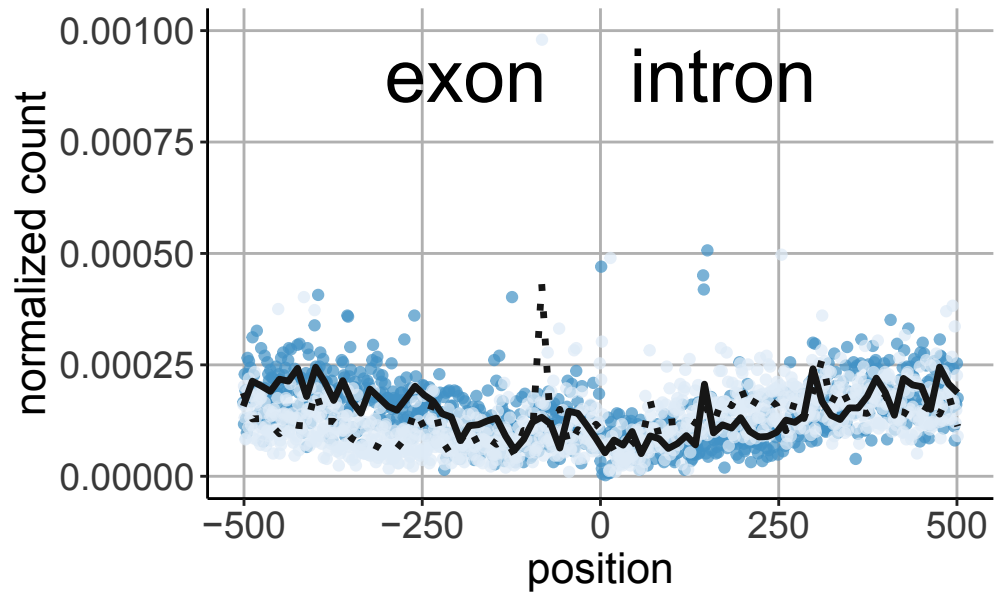


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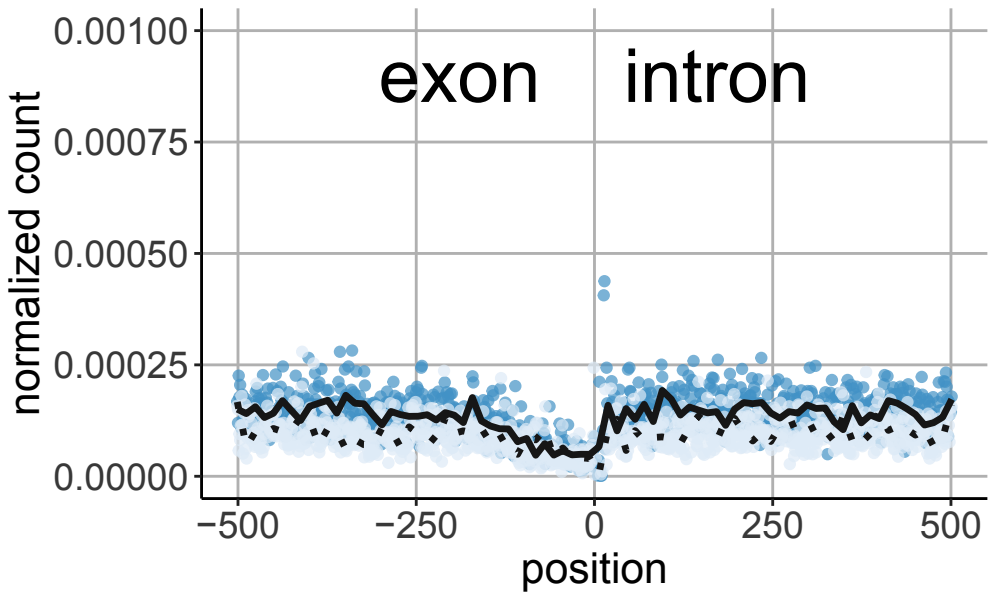


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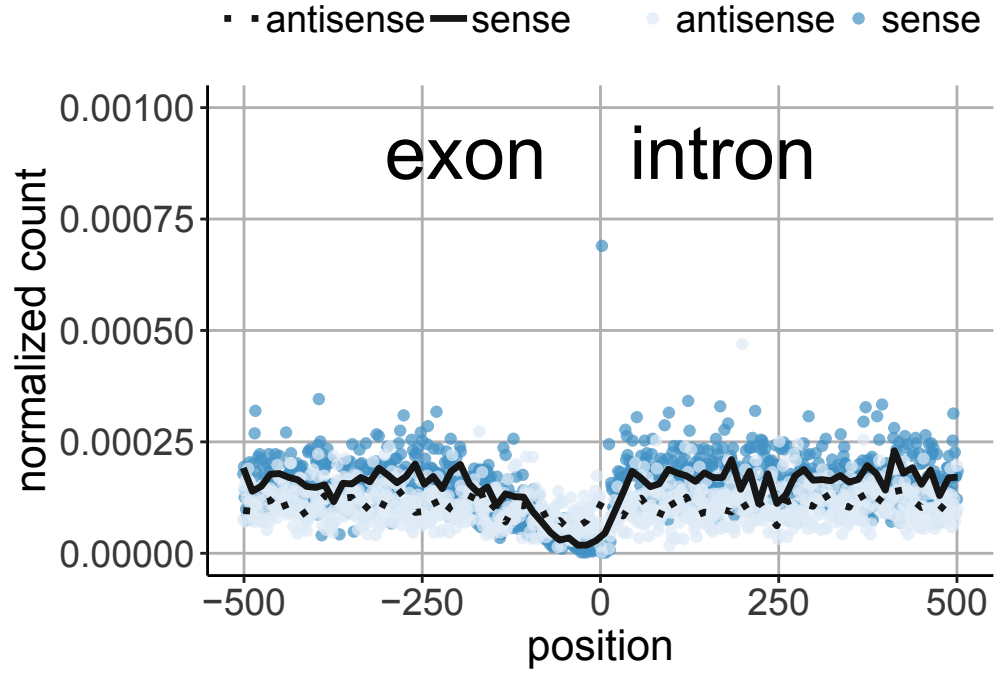


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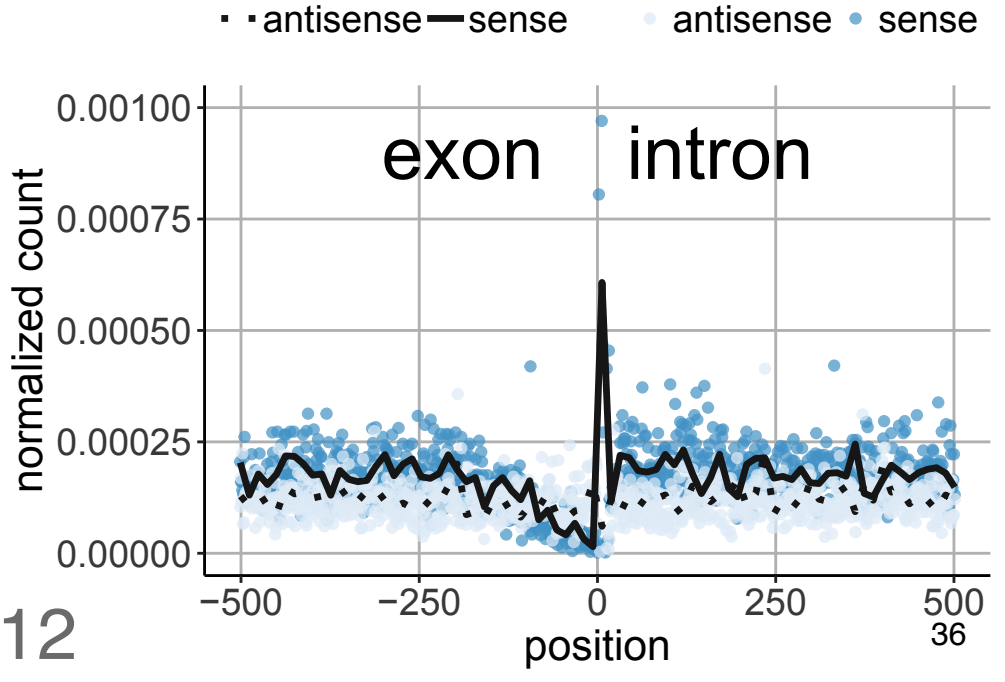

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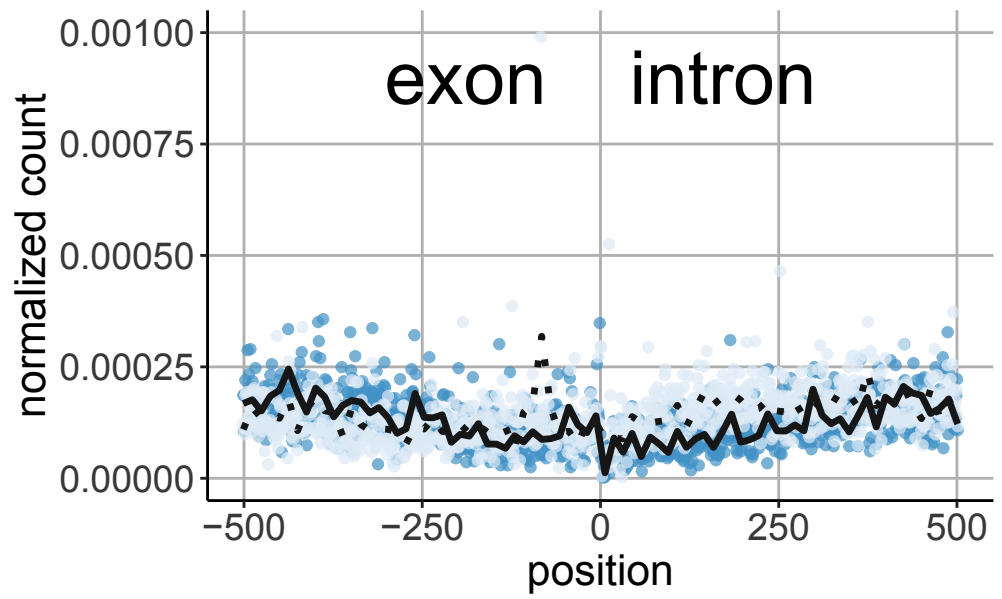


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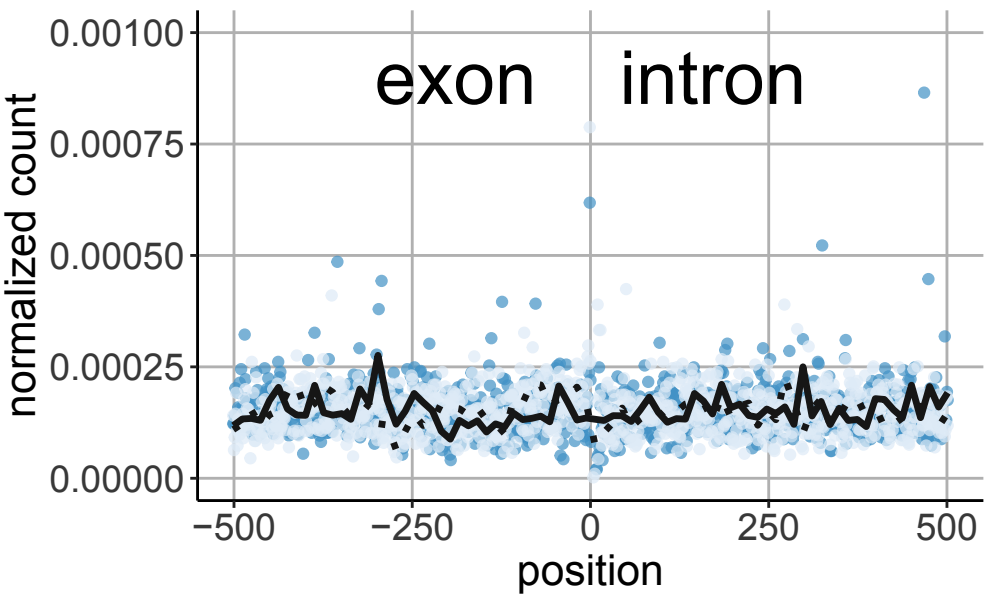


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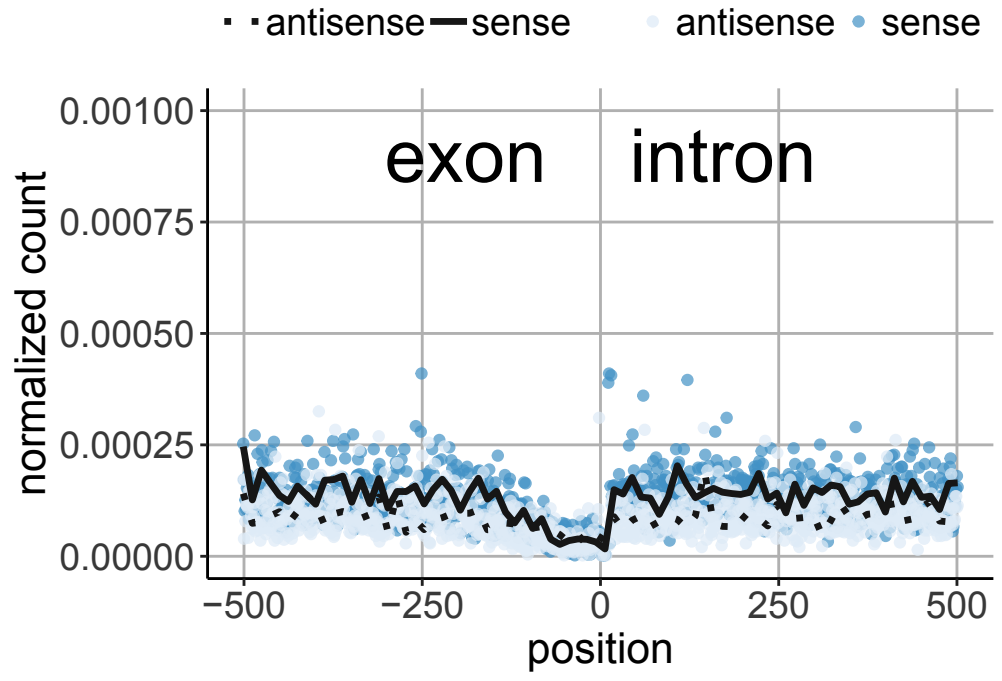


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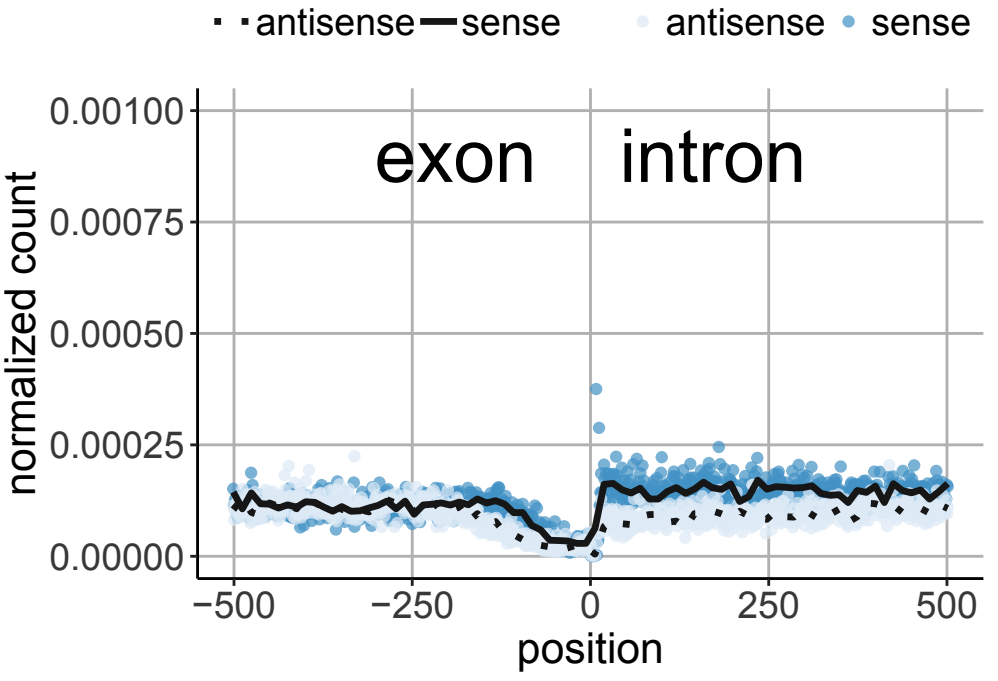


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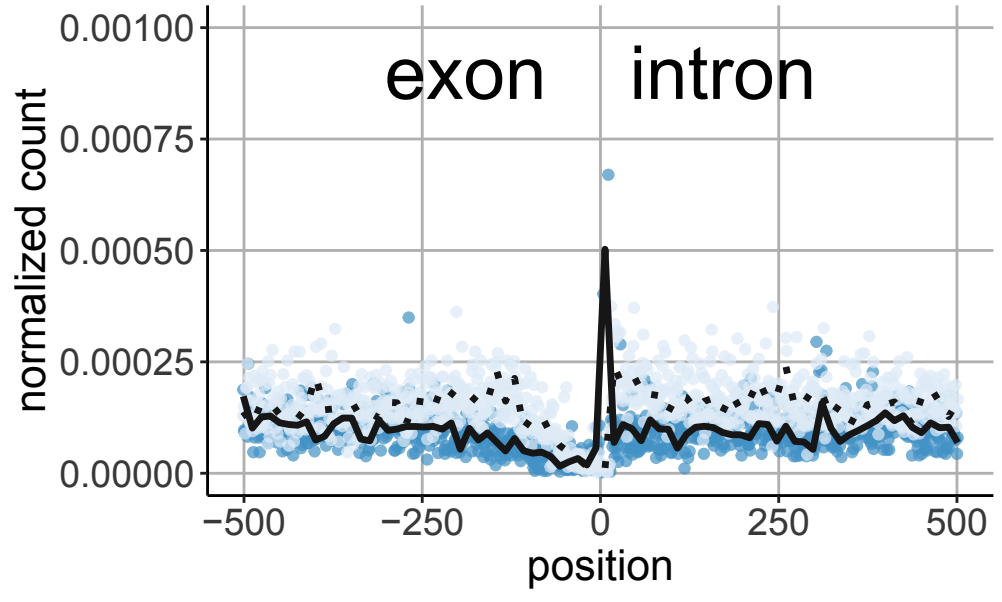


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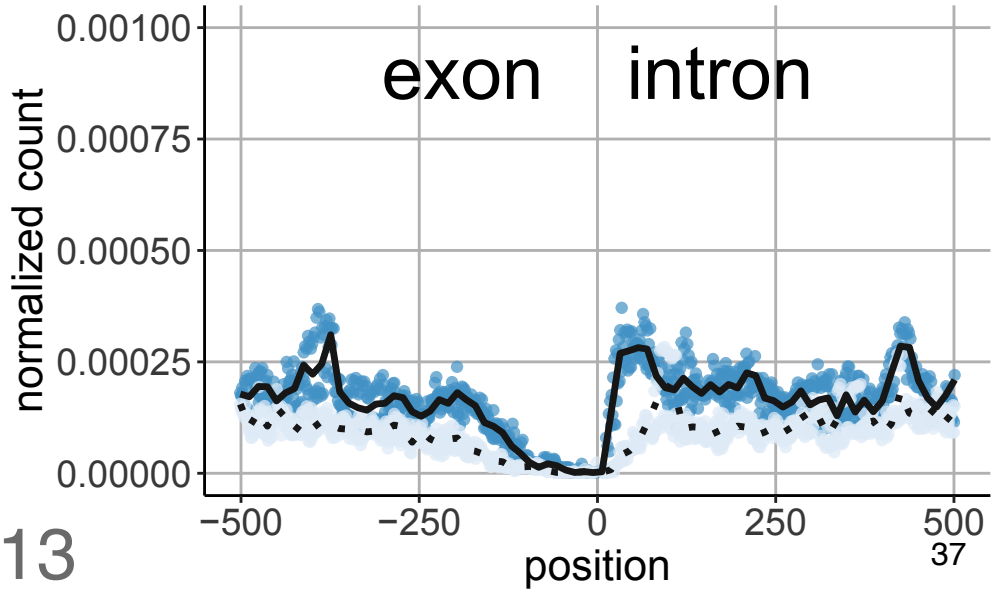

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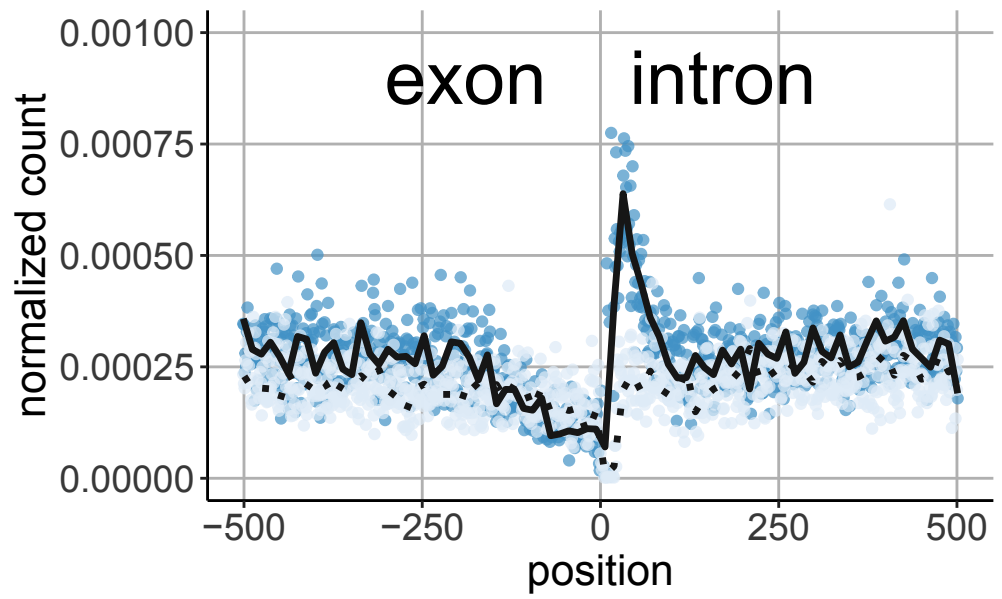


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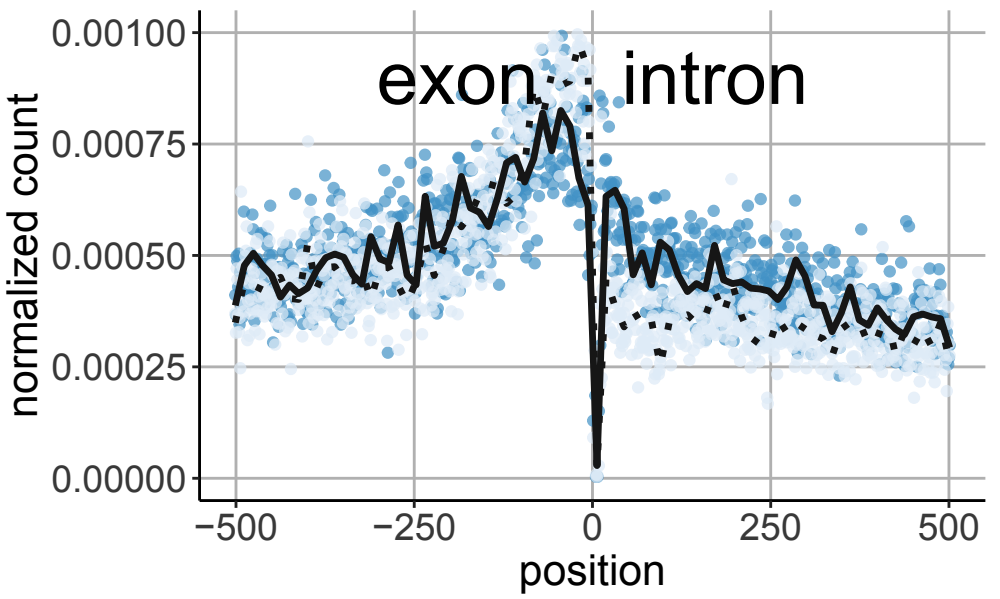


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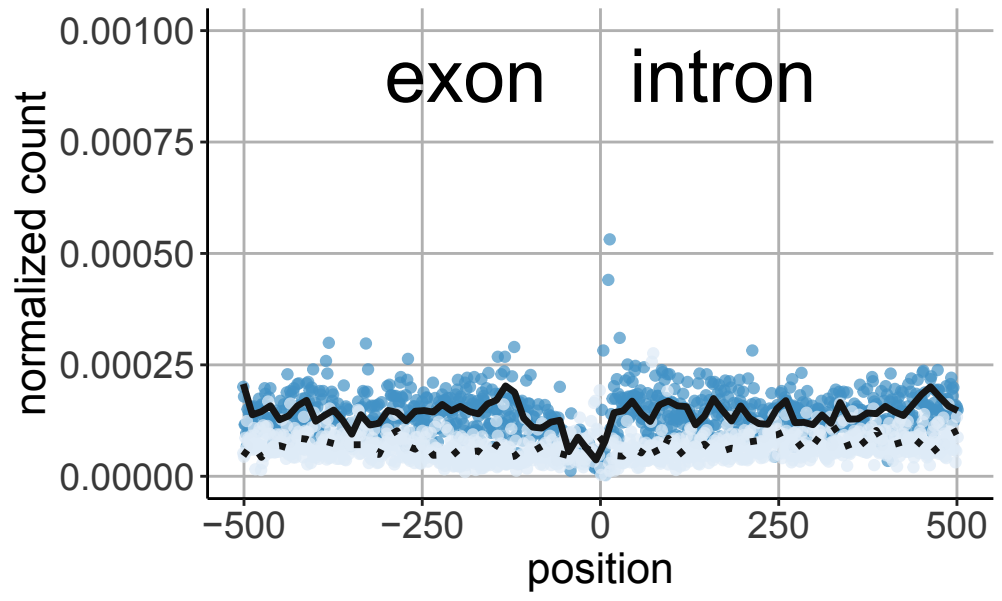


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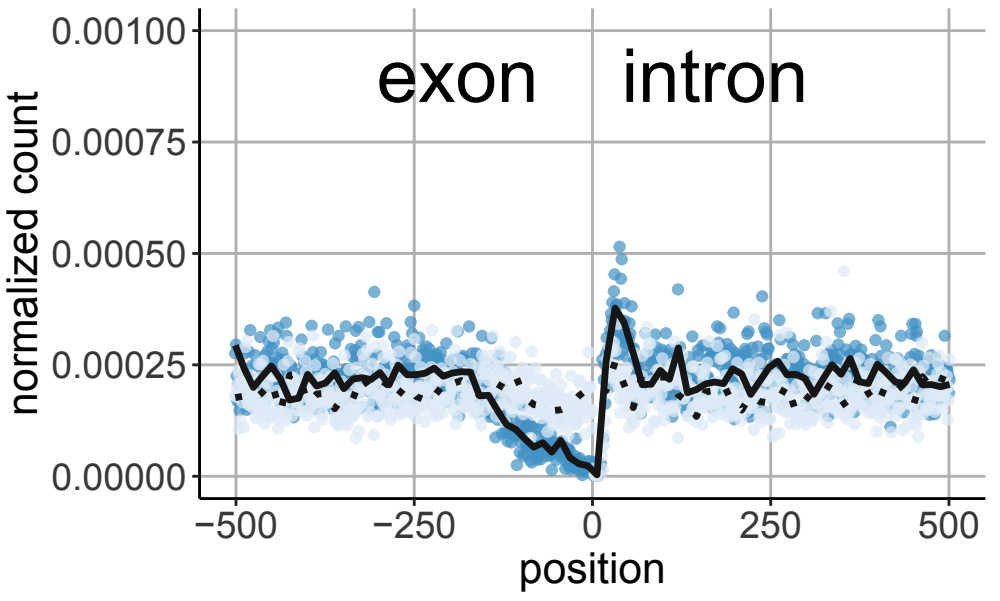


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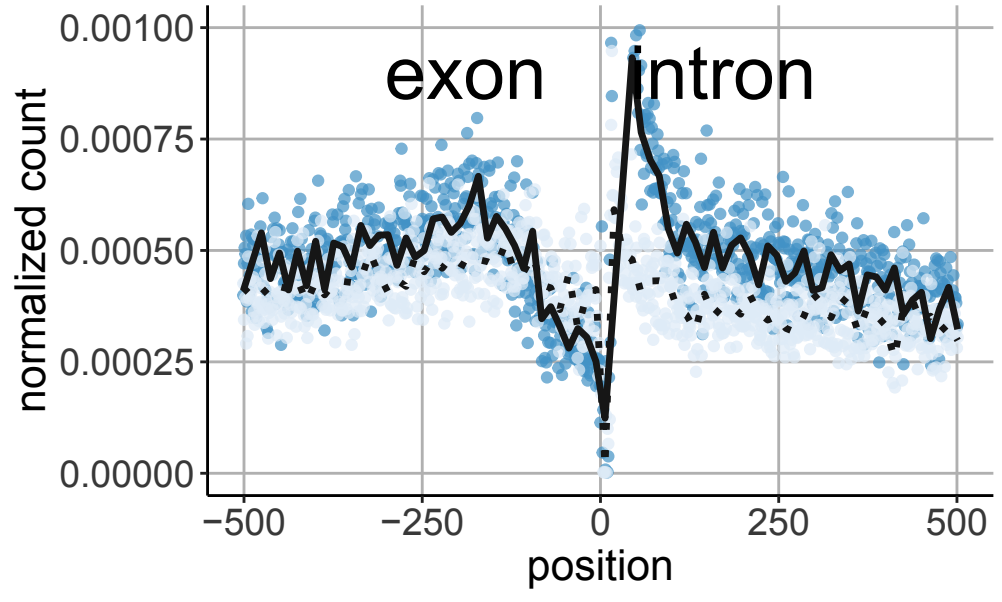


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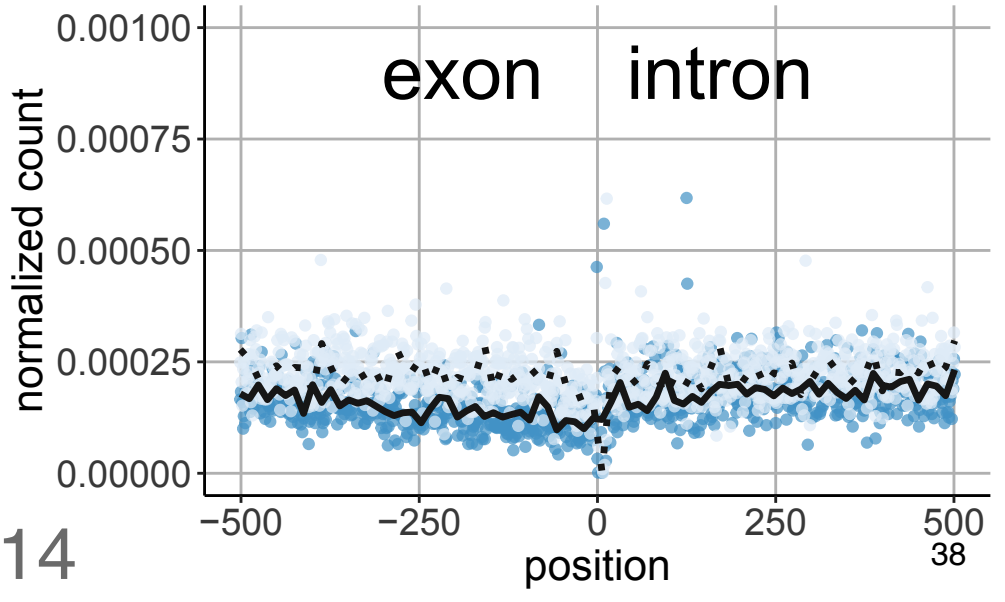

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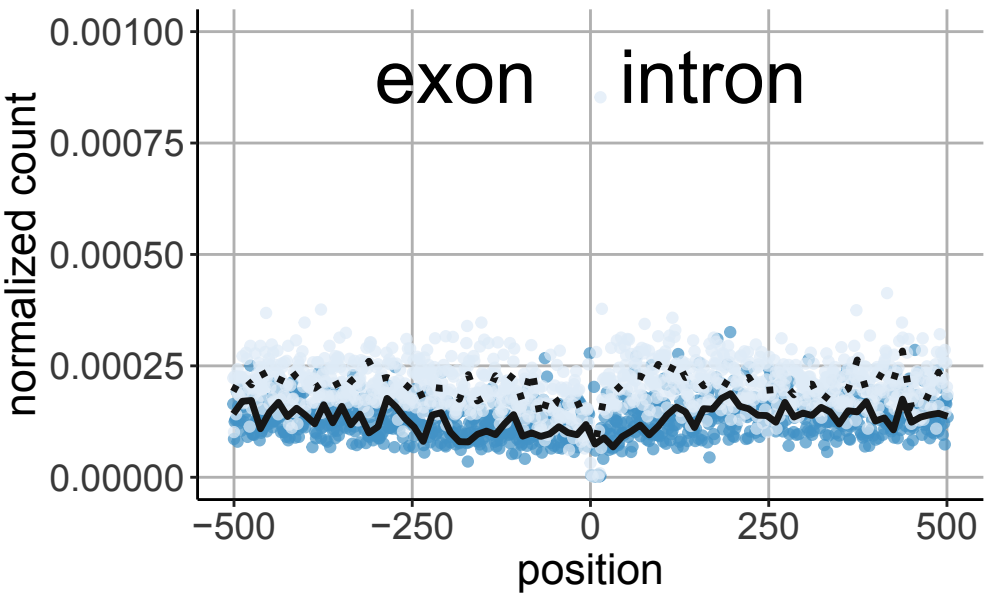


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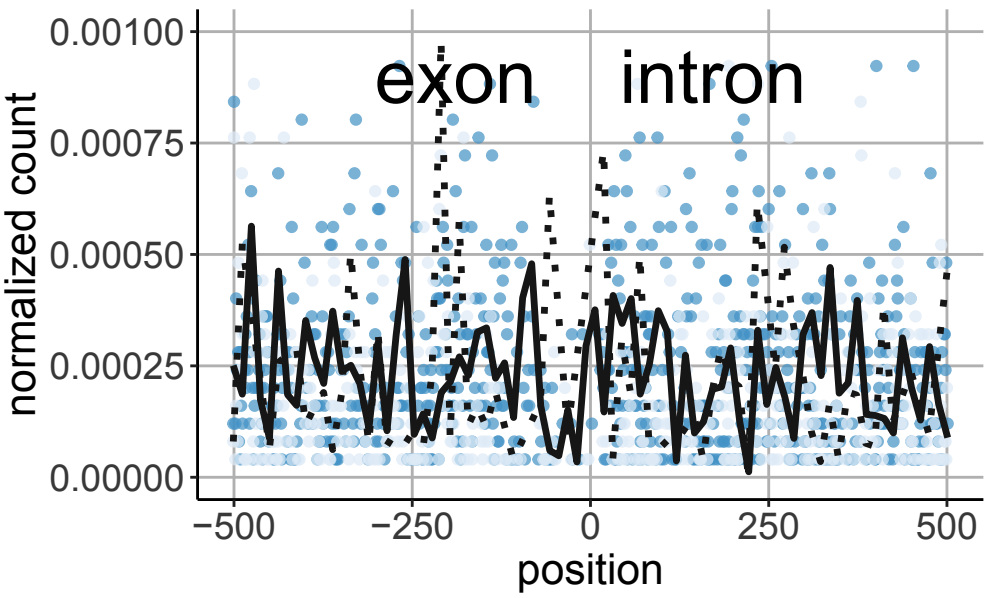


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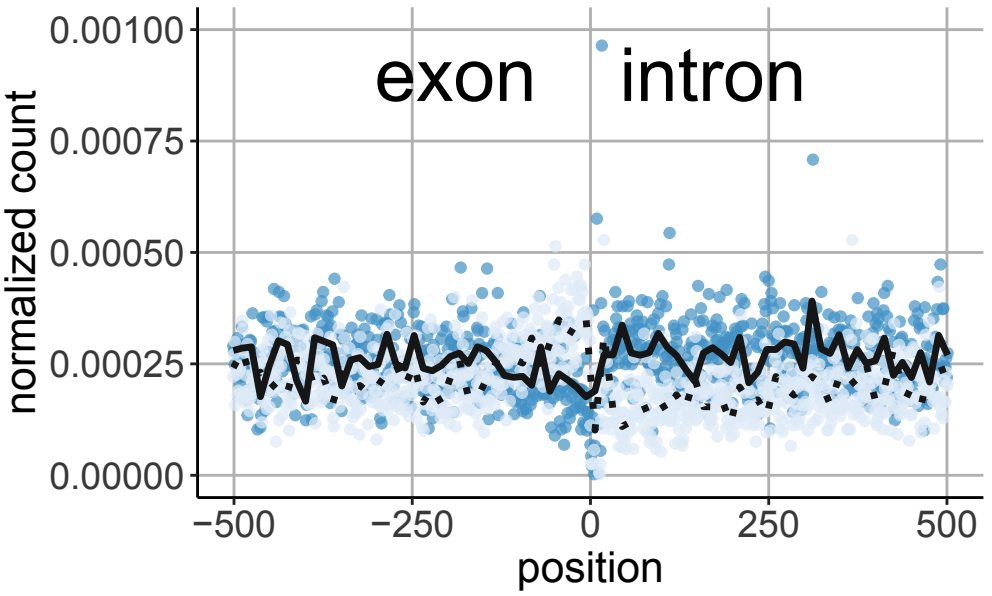


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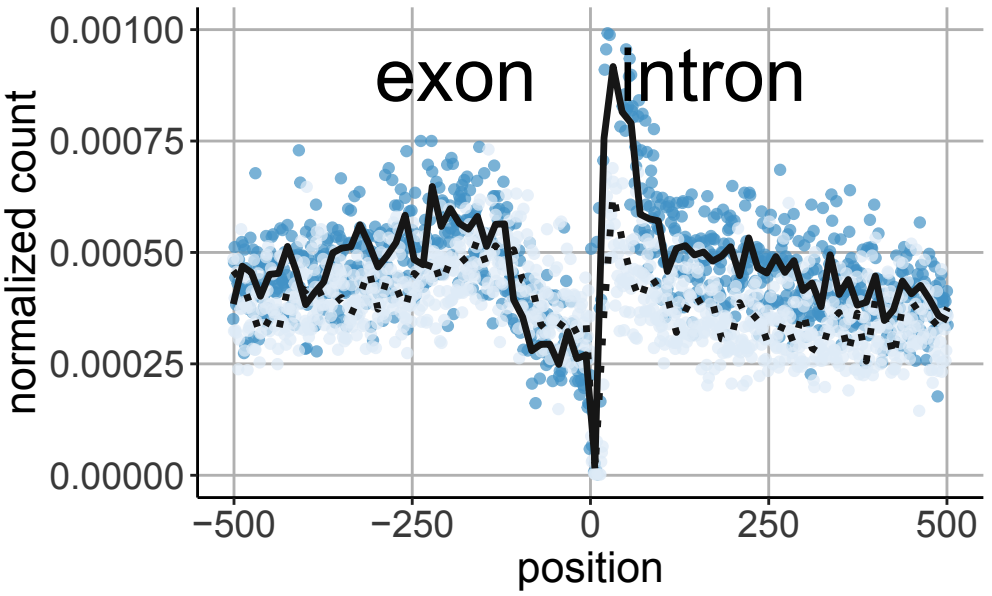


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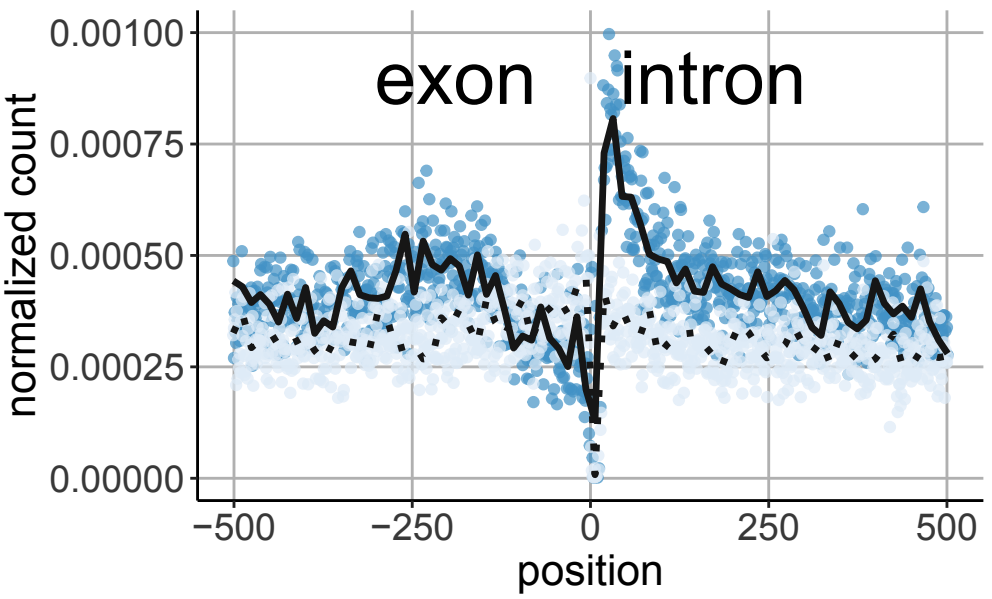


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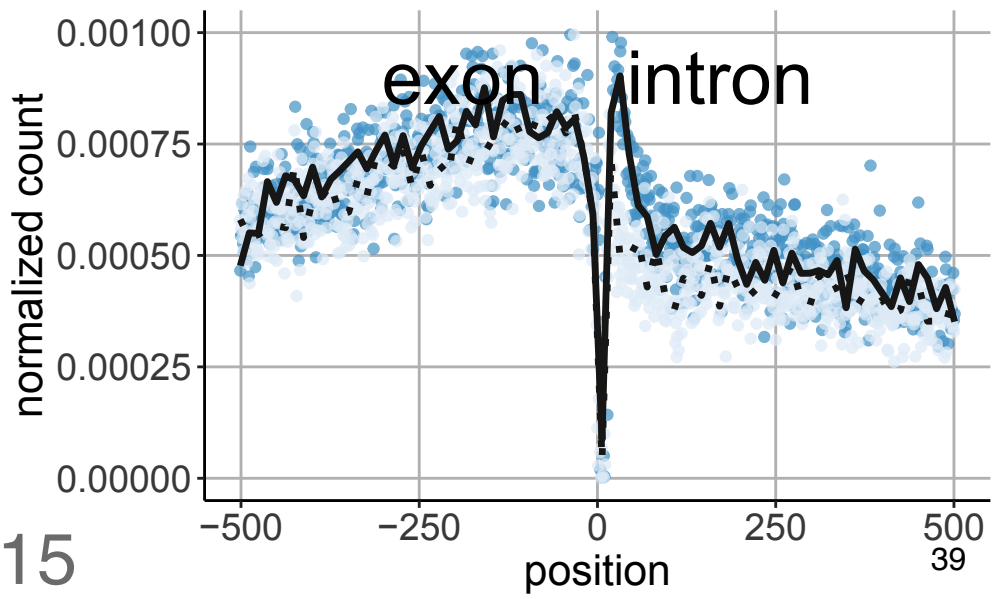

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ZC3H10−NGCGCAGCGUN

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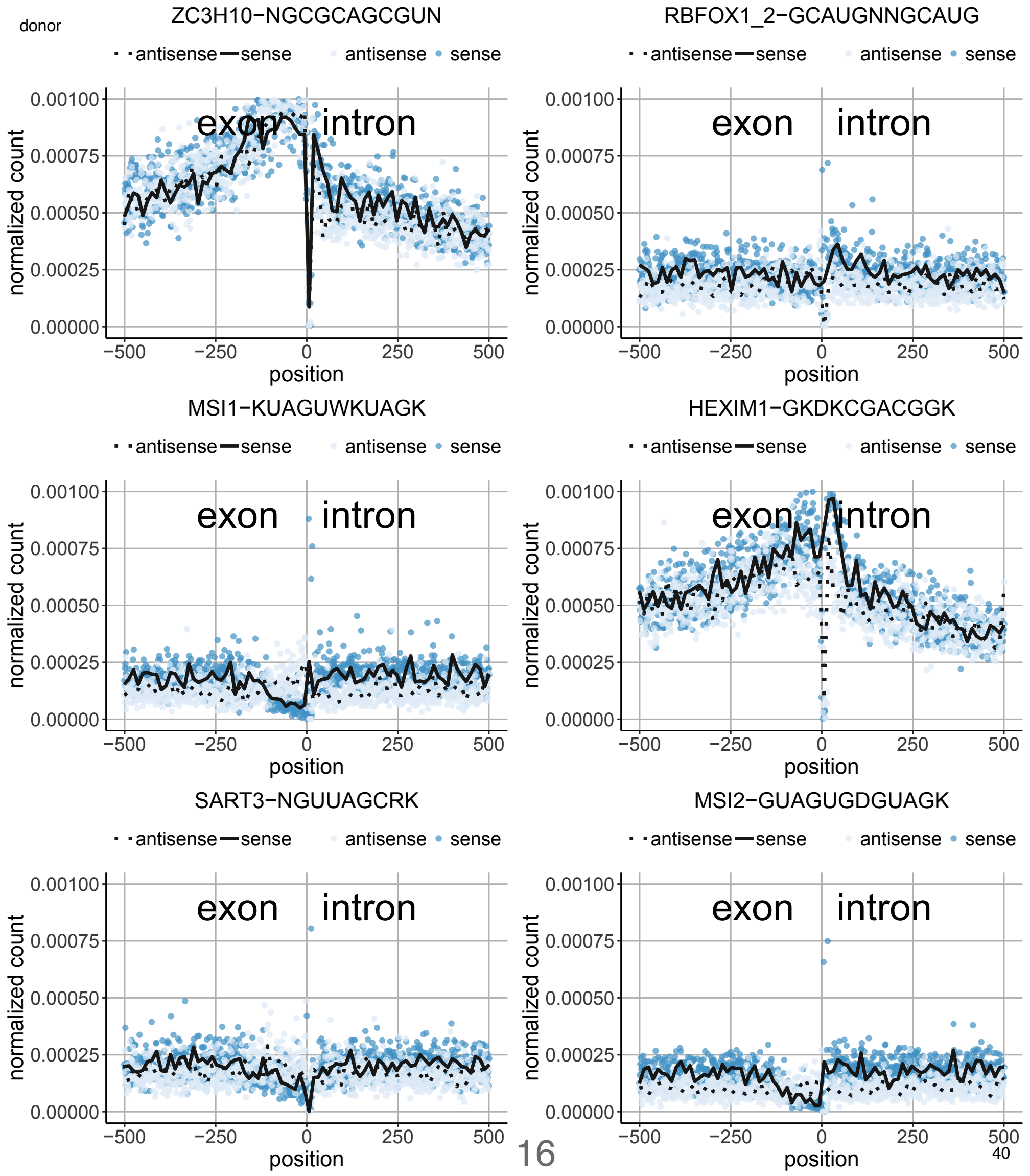

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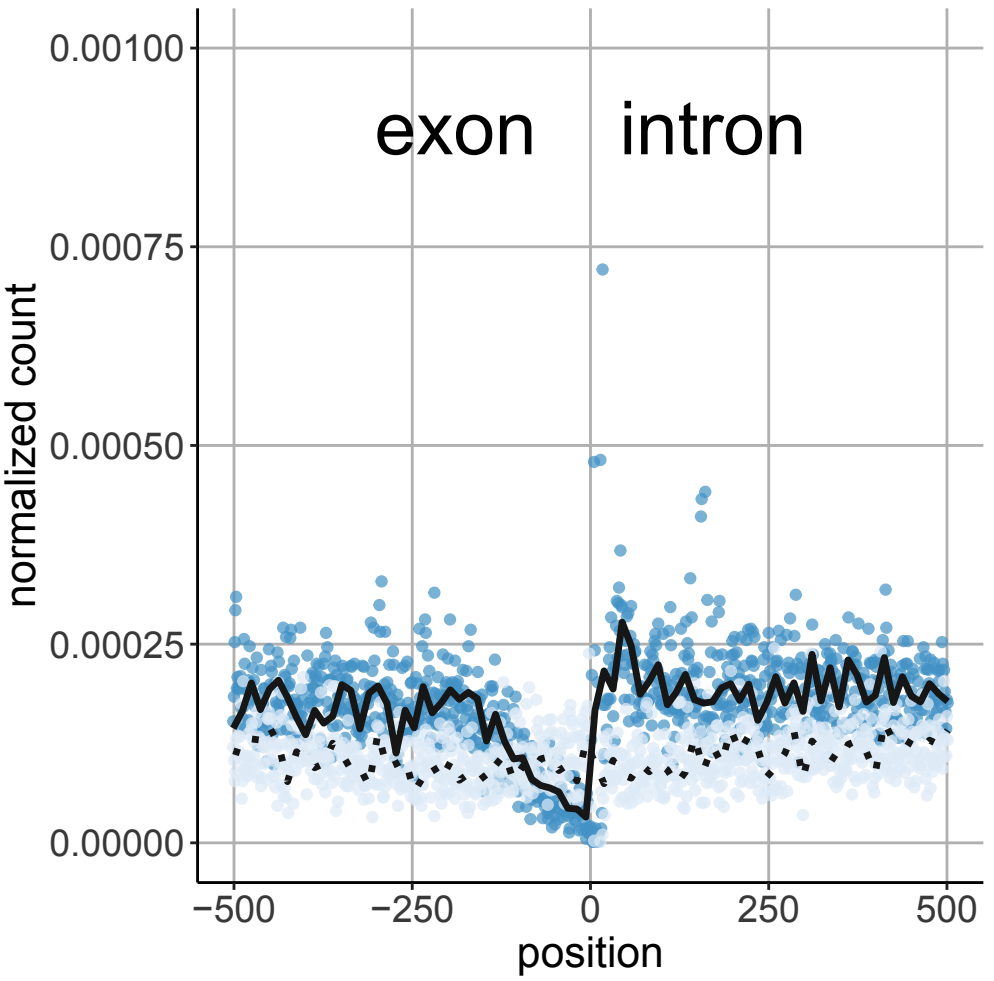


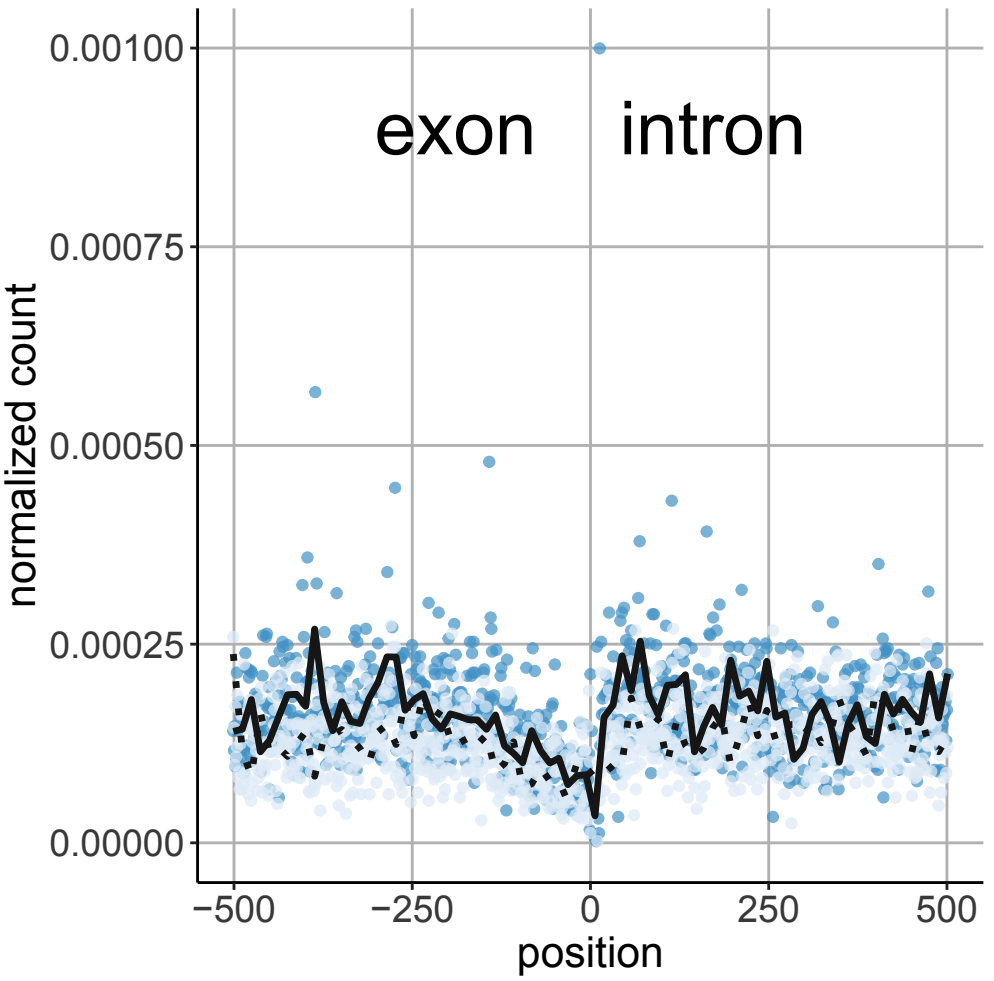


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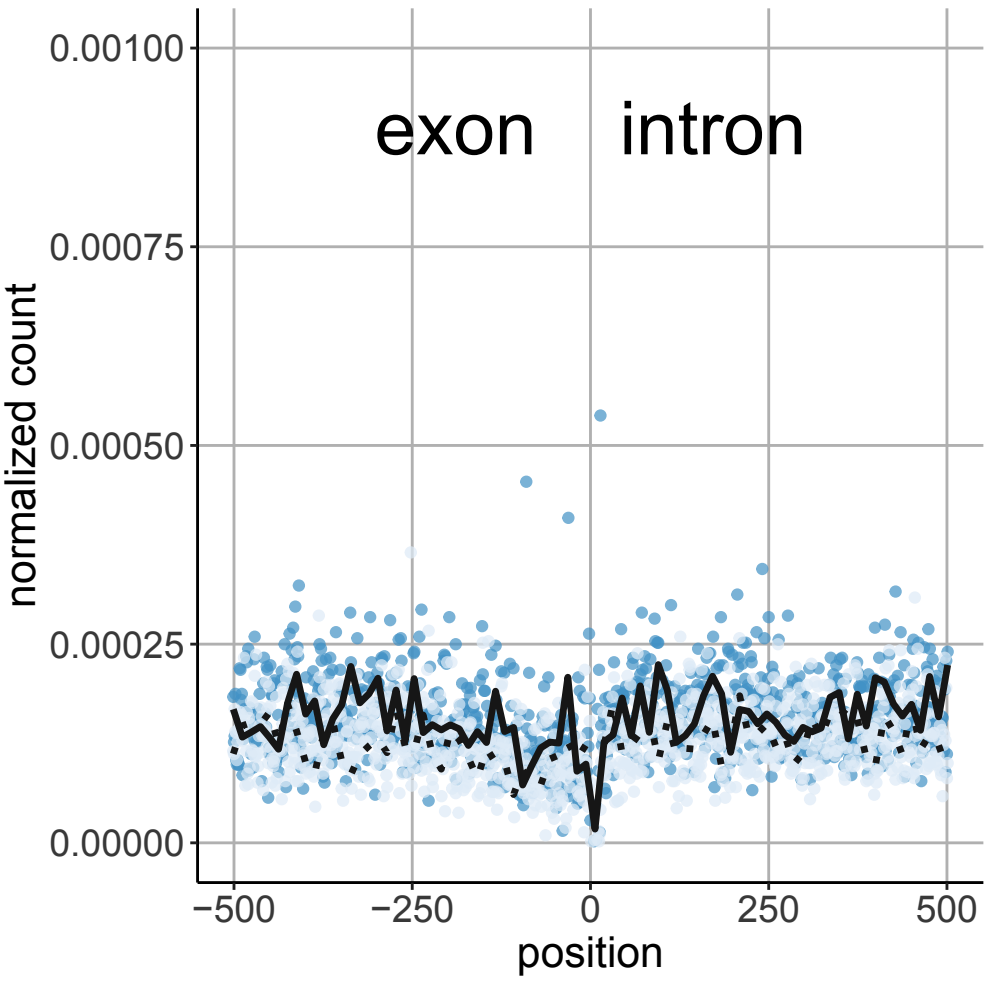


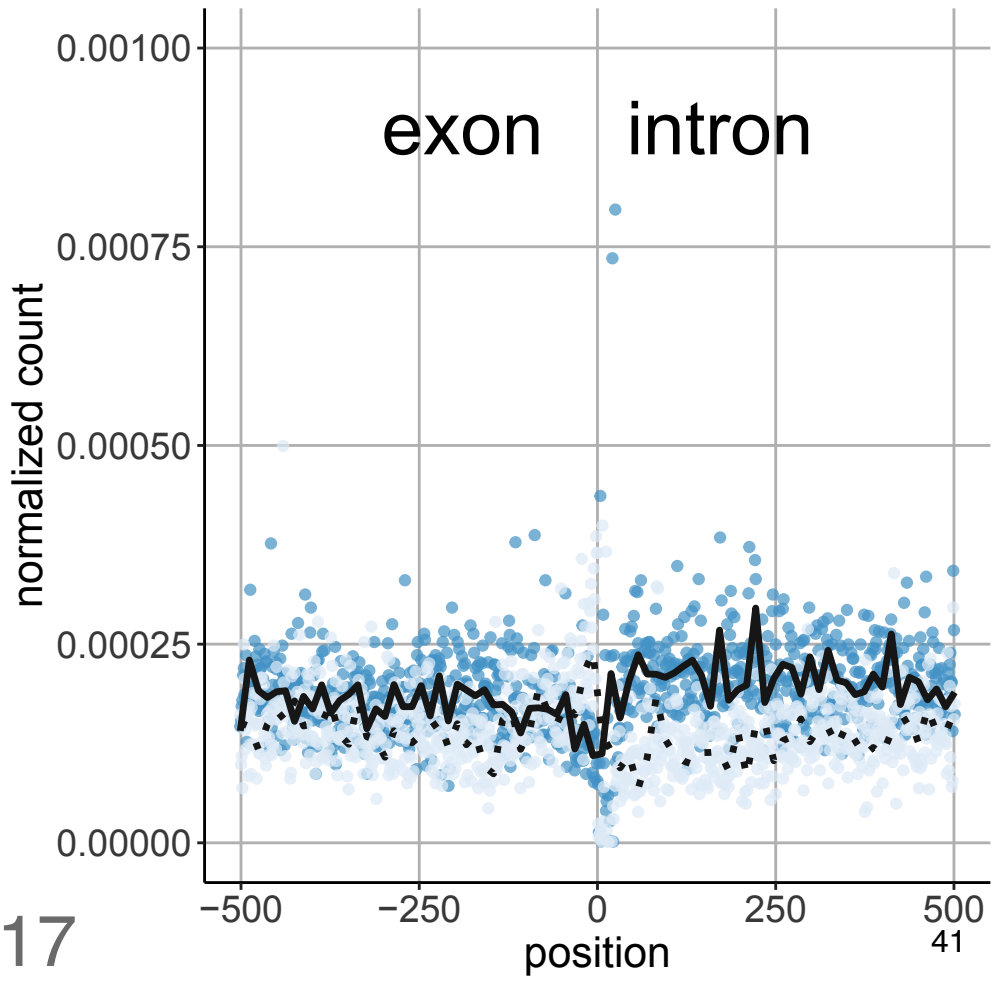

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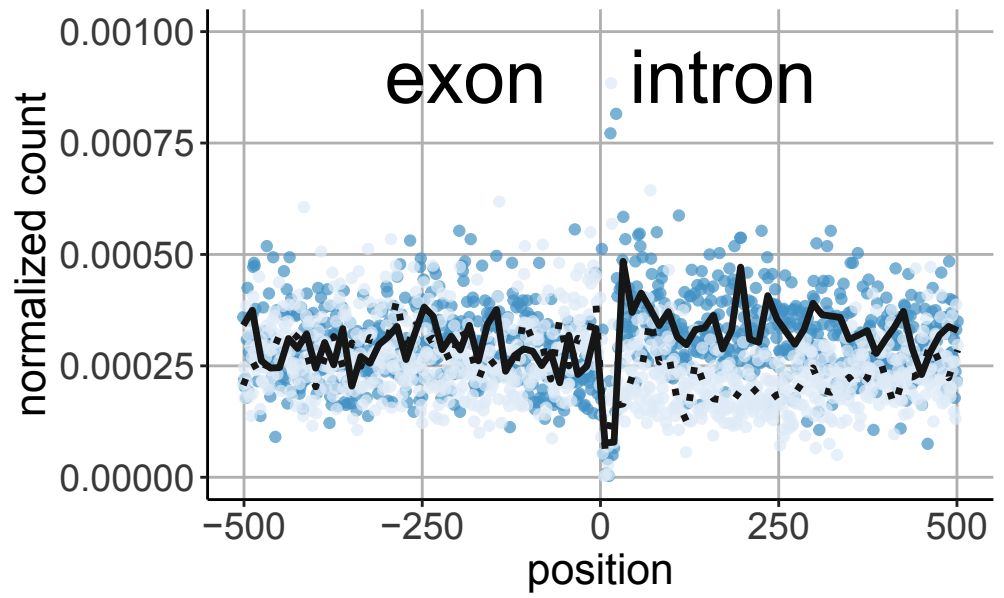


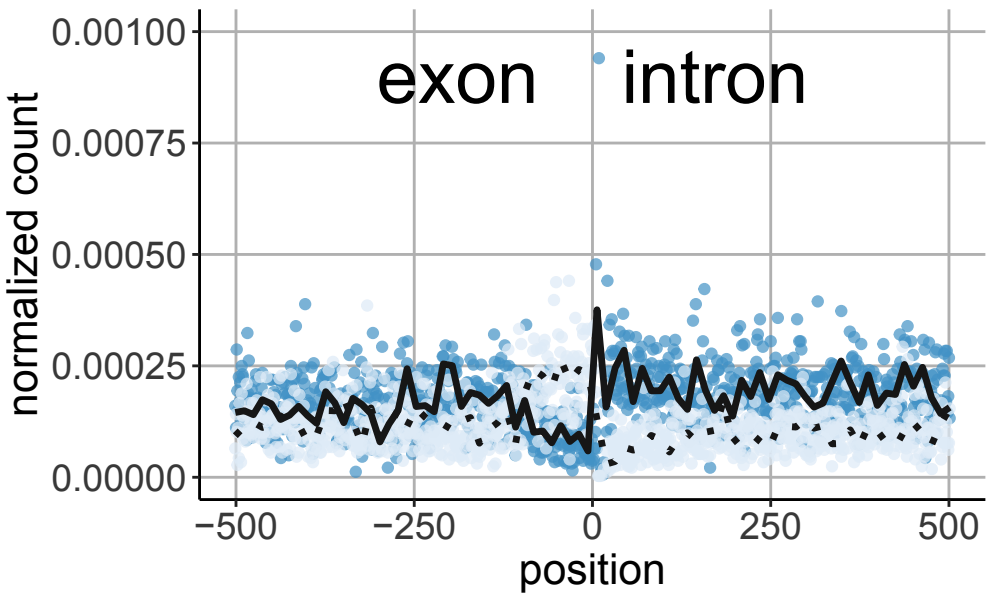


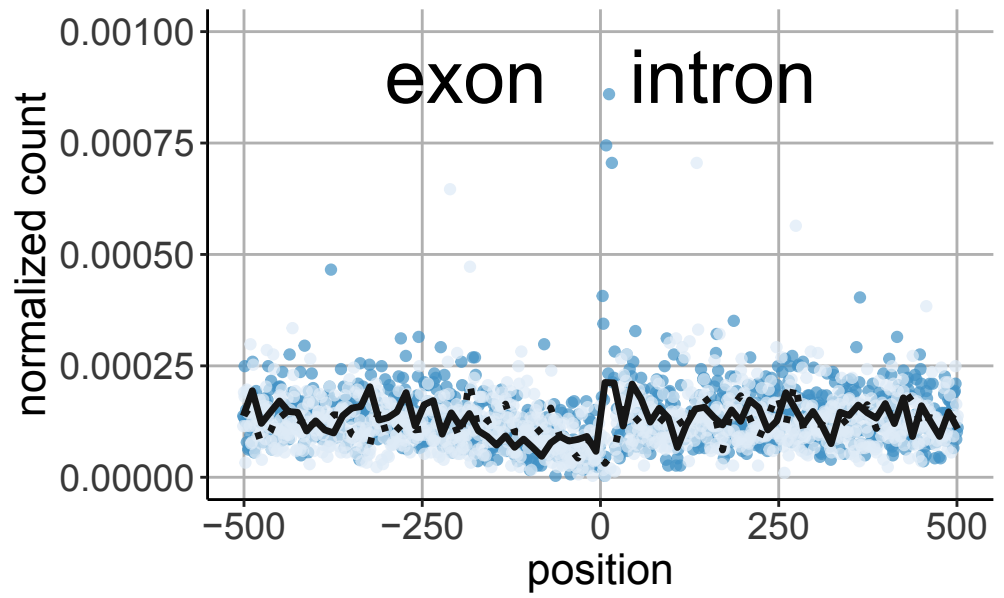


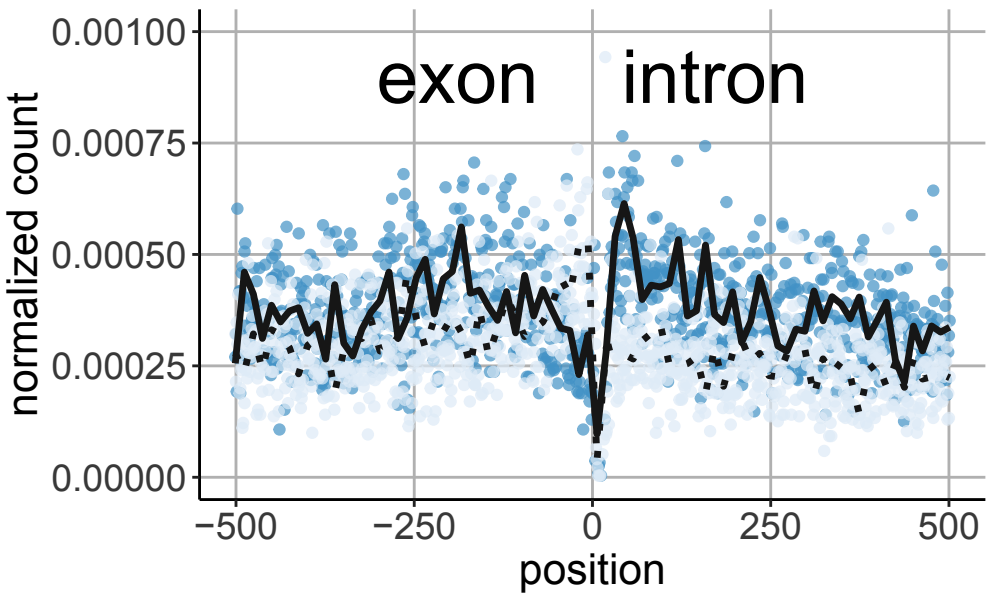


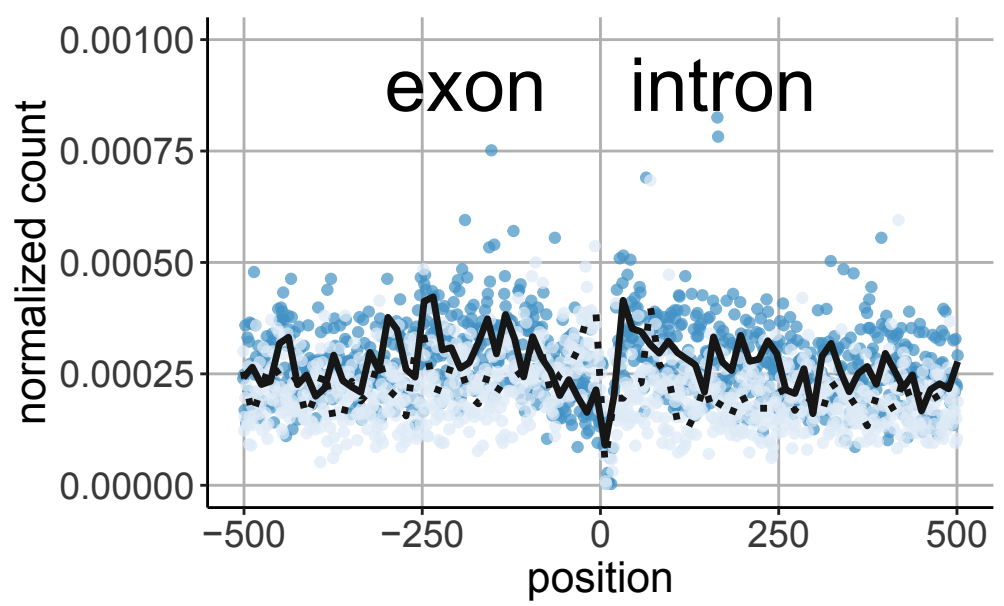


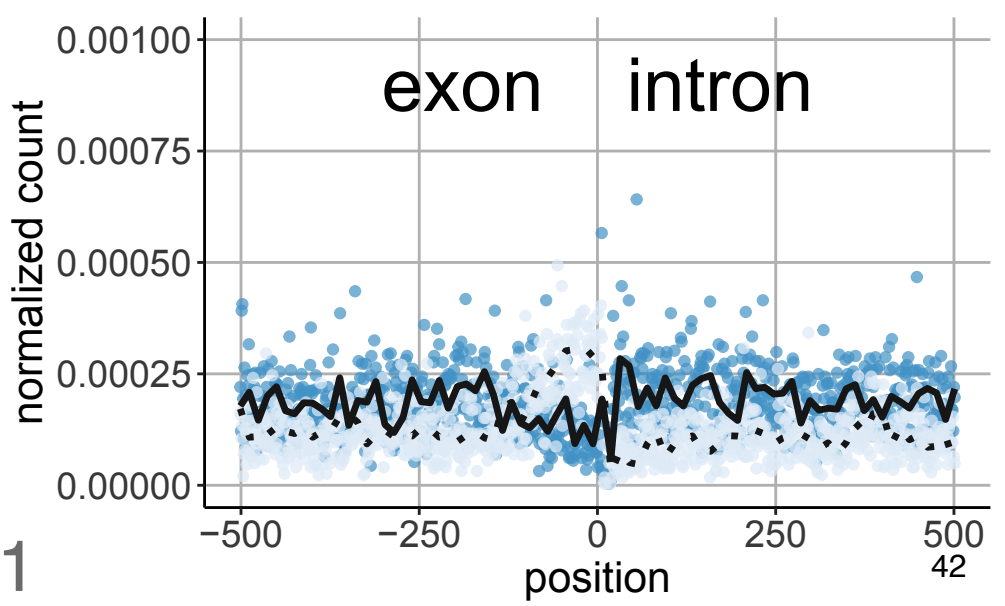

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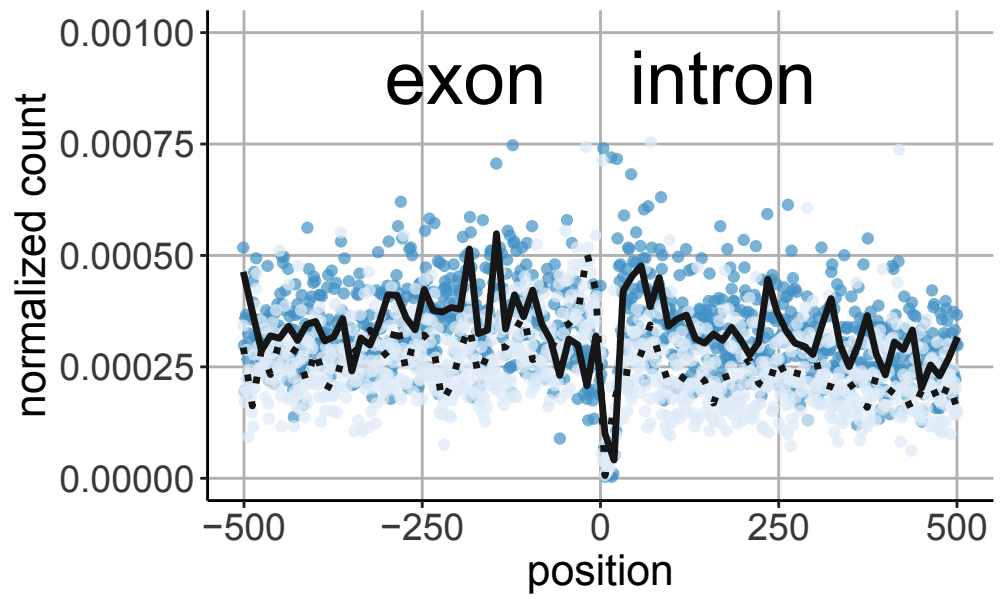


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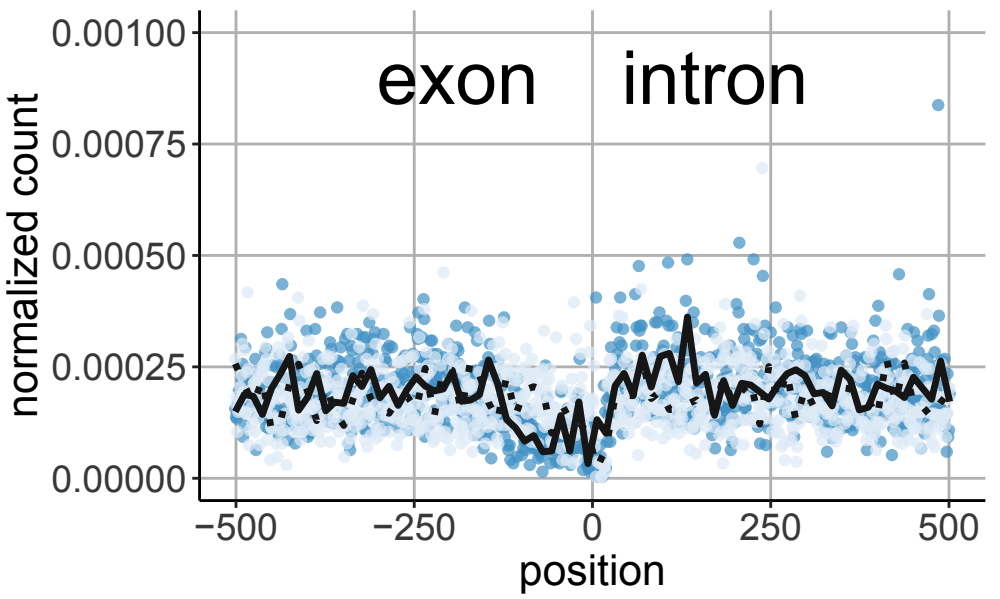


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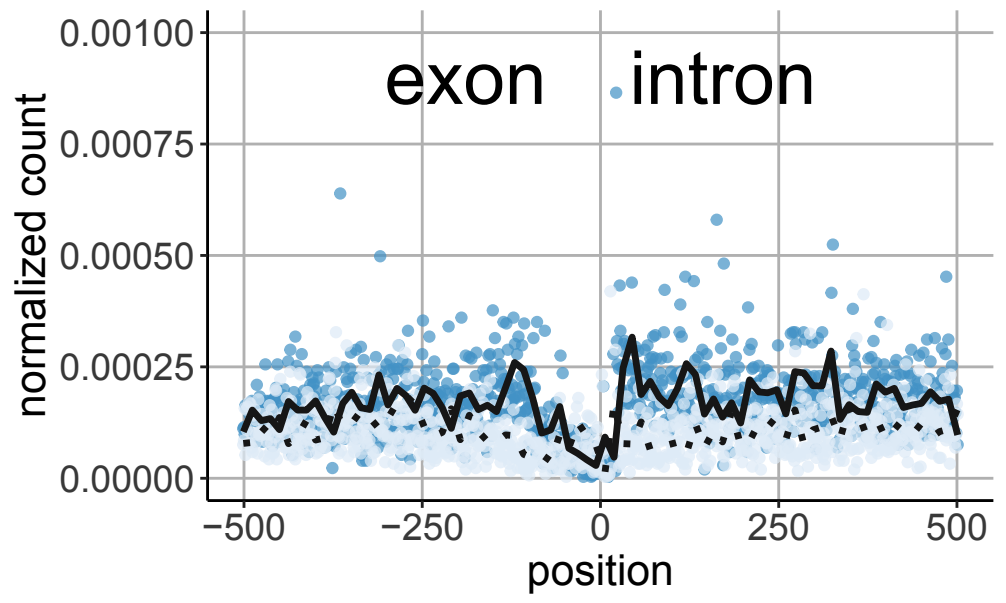


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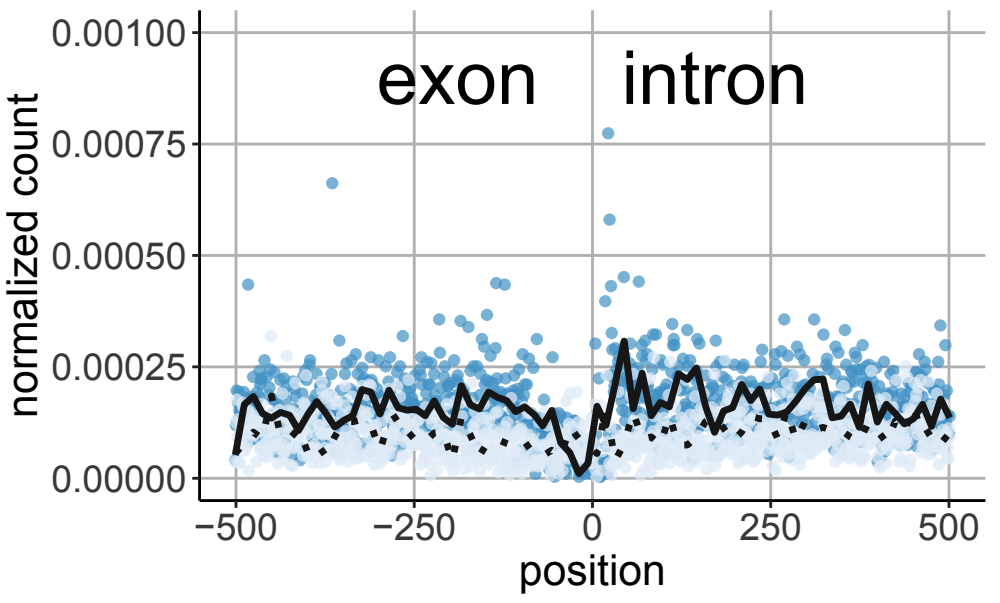


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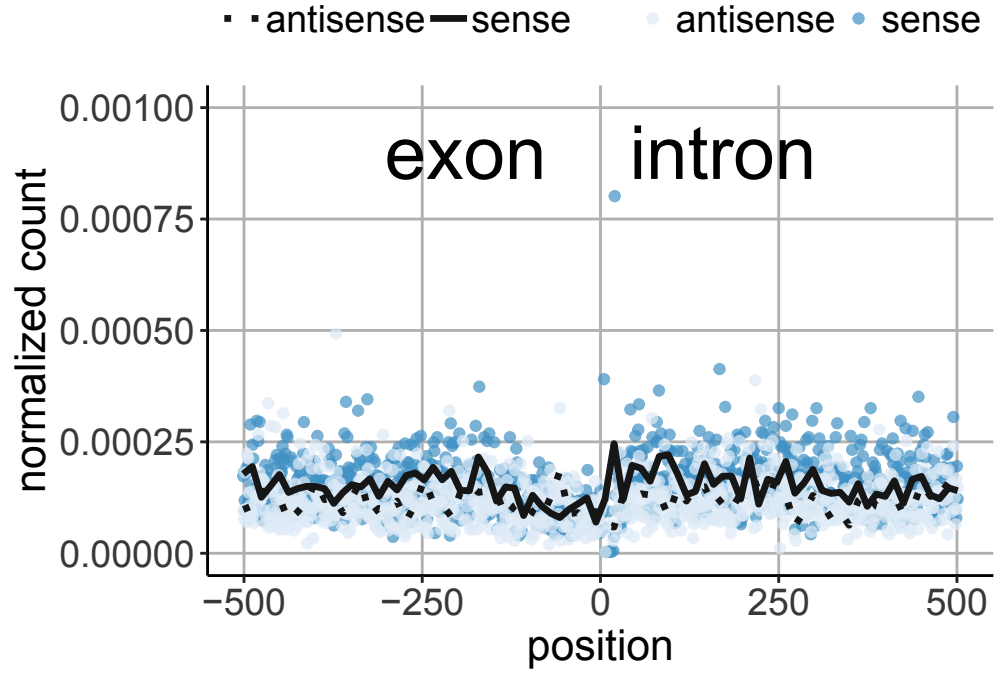


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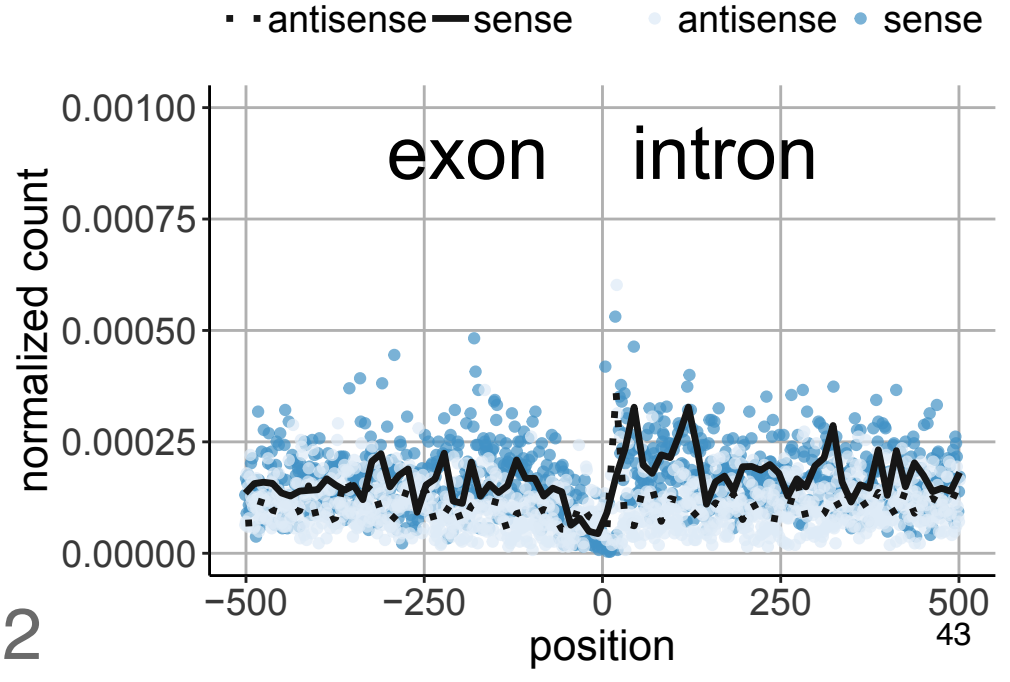

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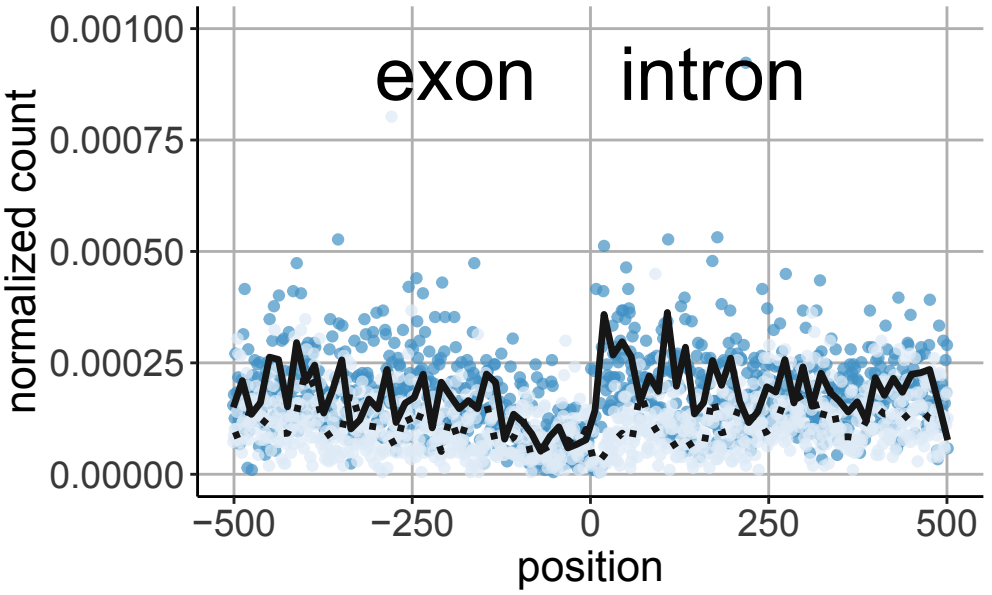


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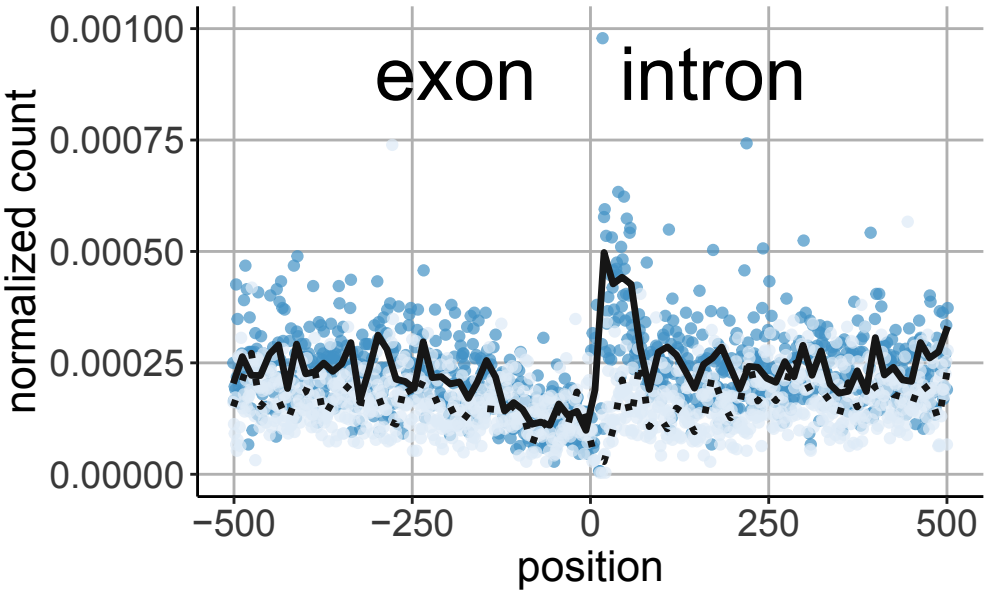


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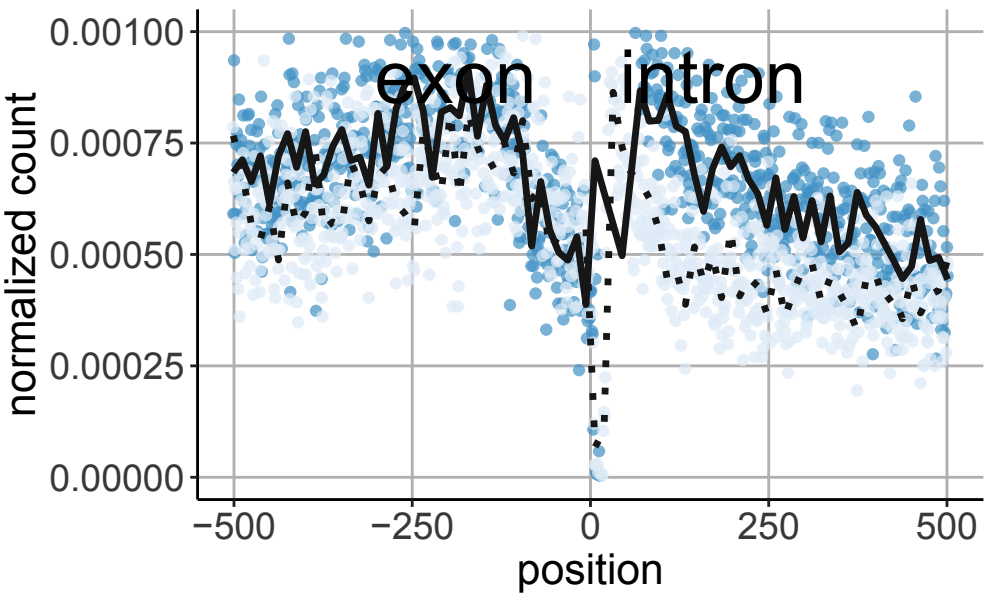


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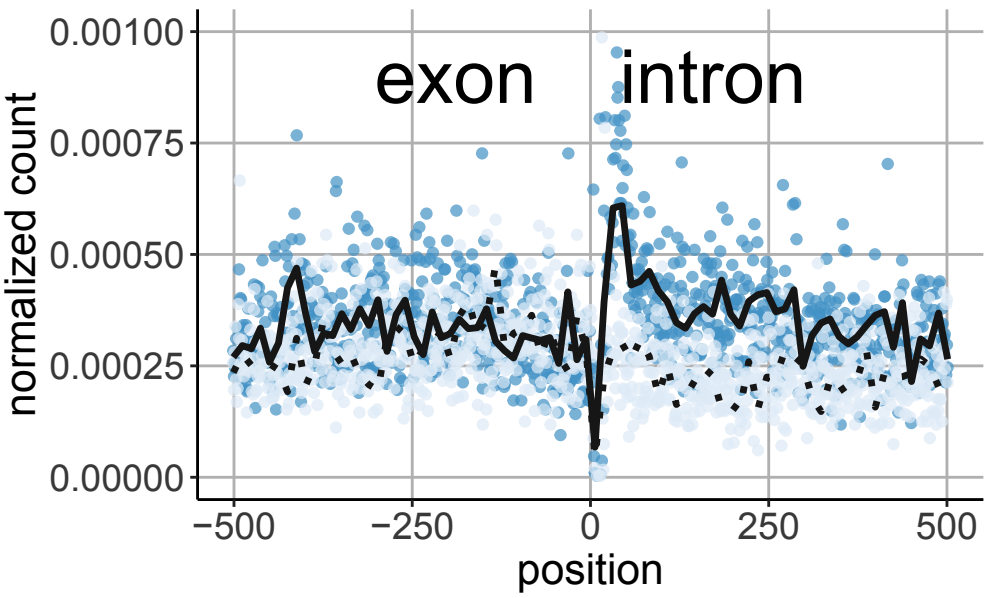


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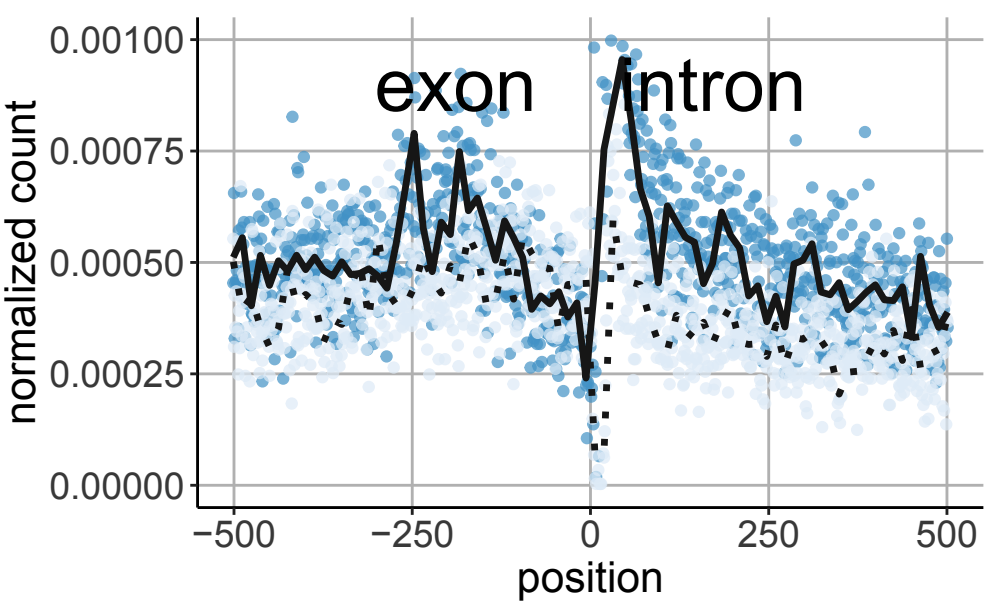


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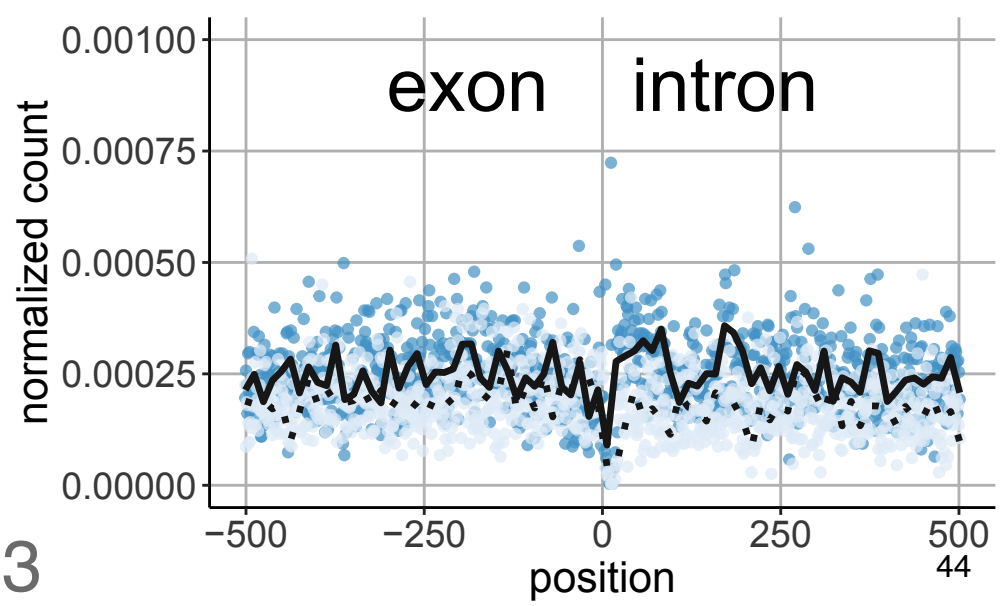

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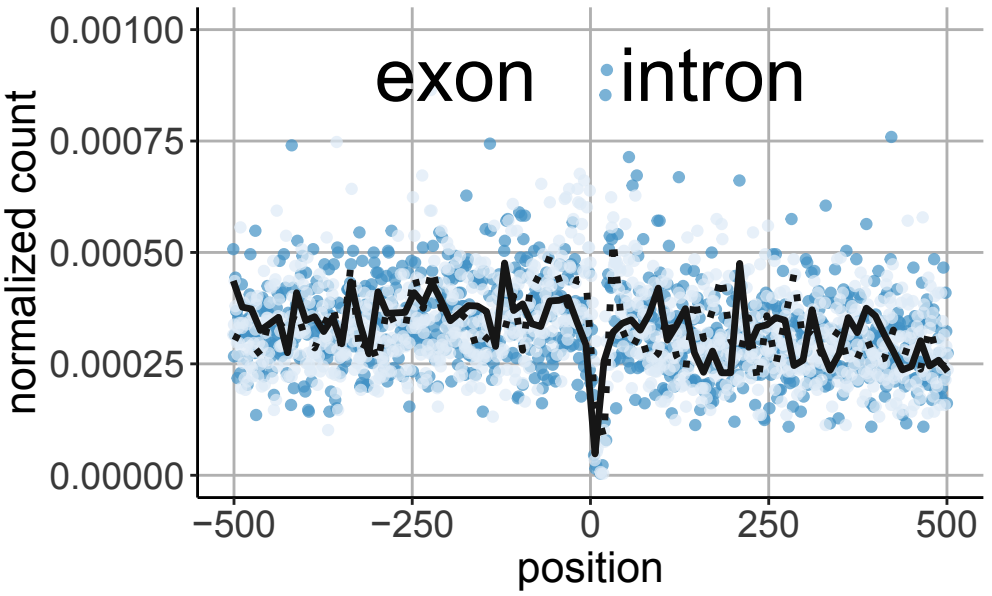


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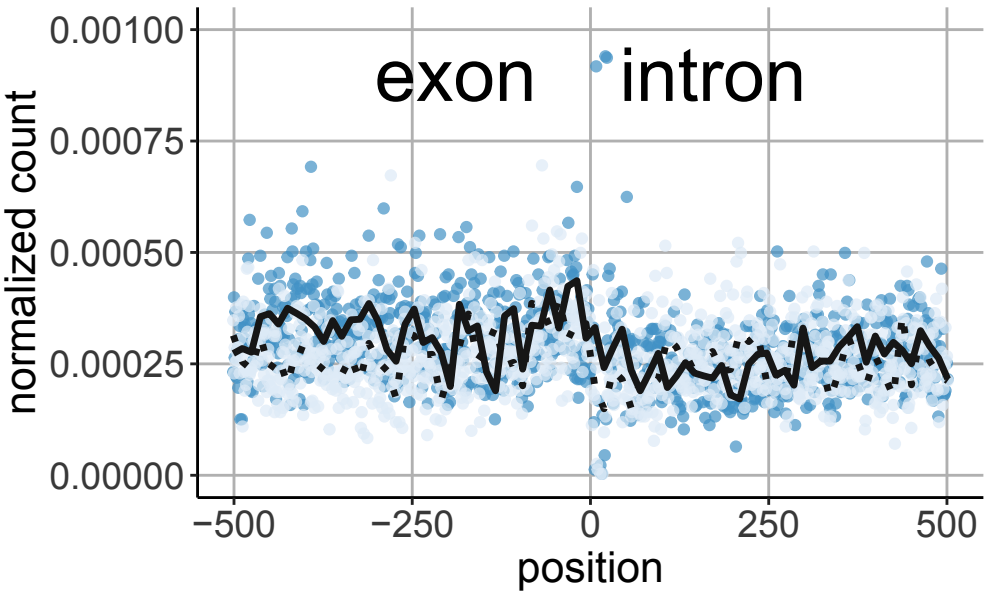


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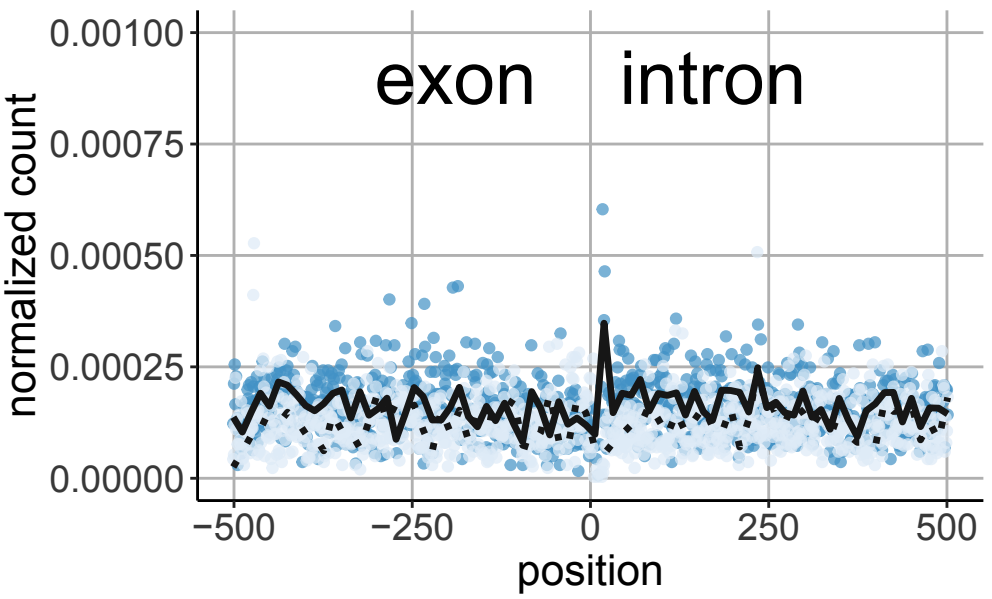


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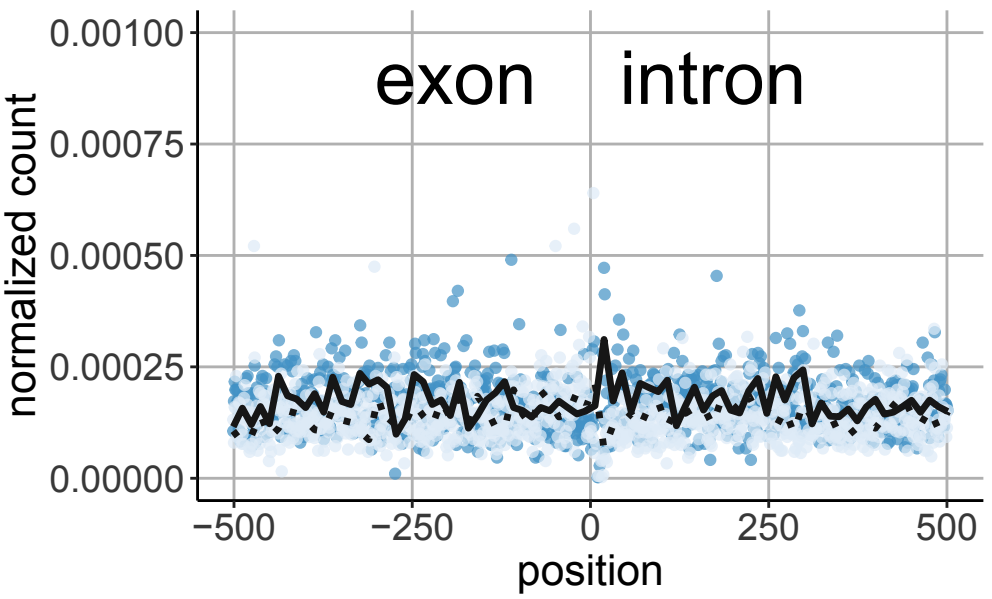


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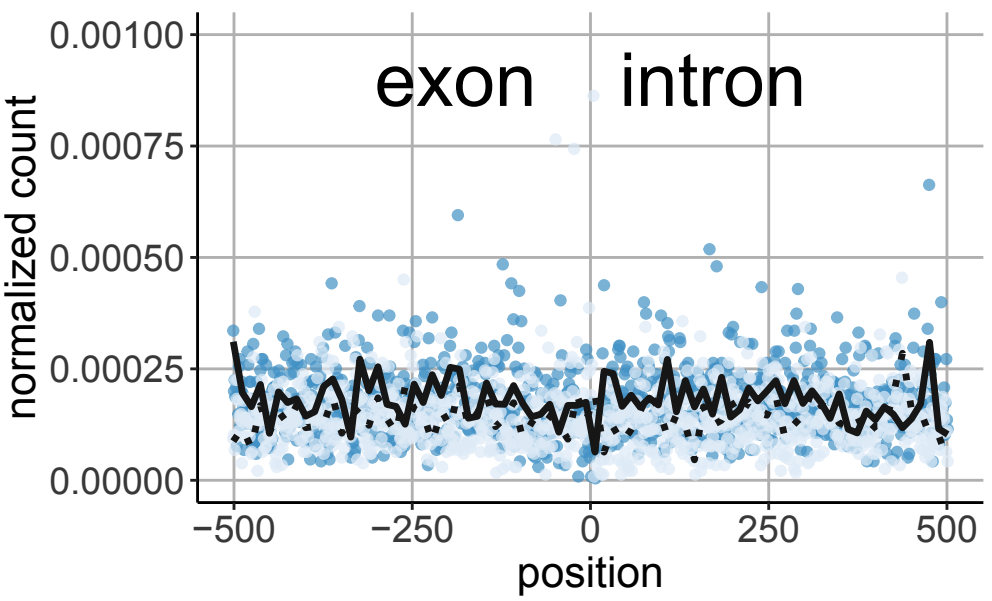


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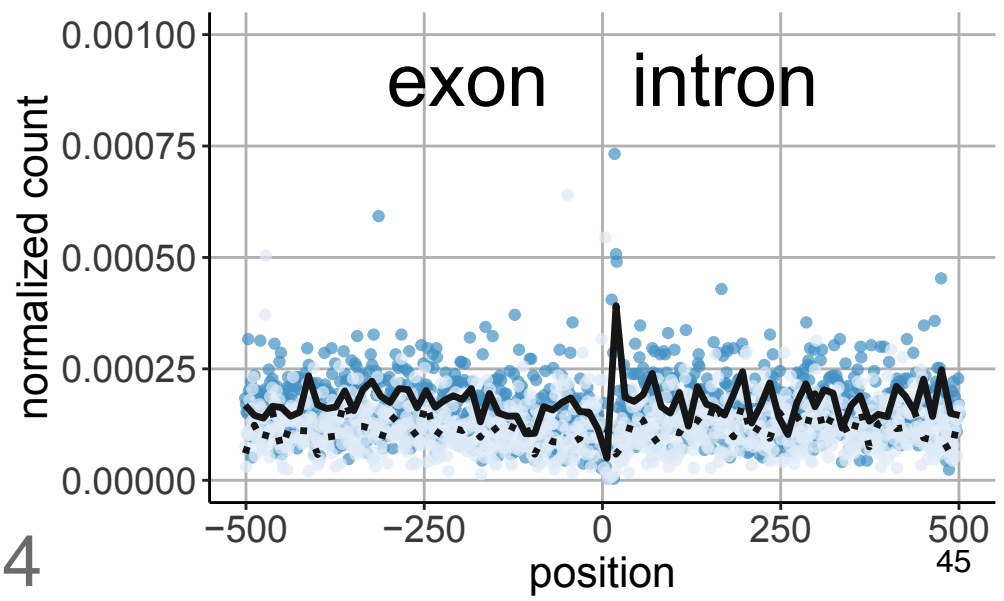

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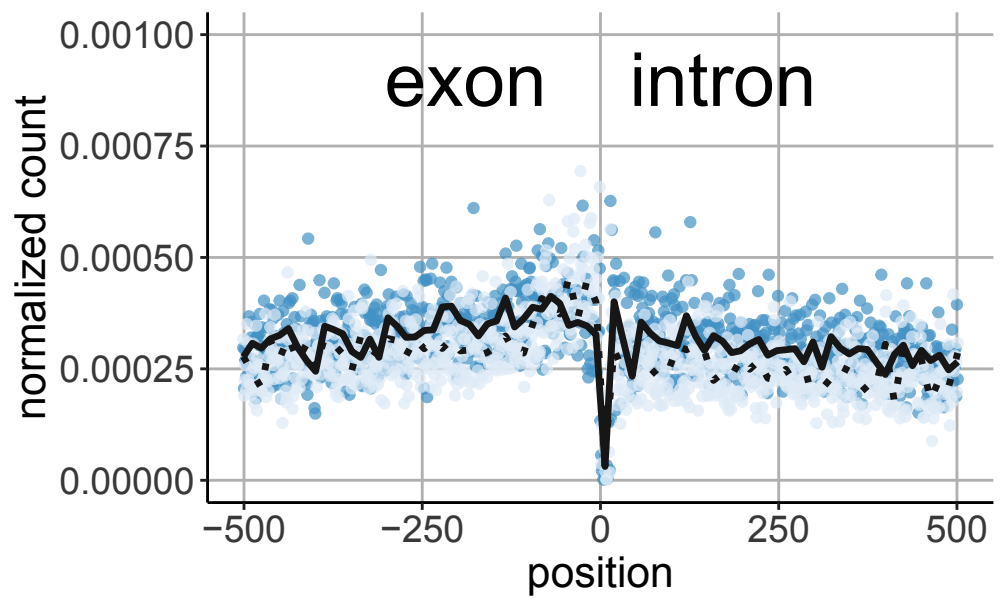


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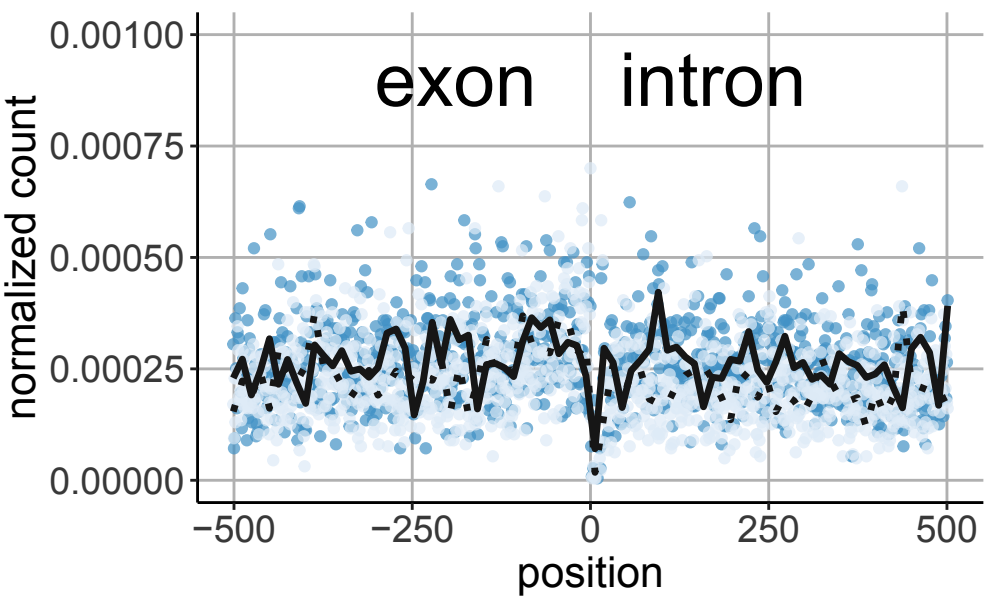


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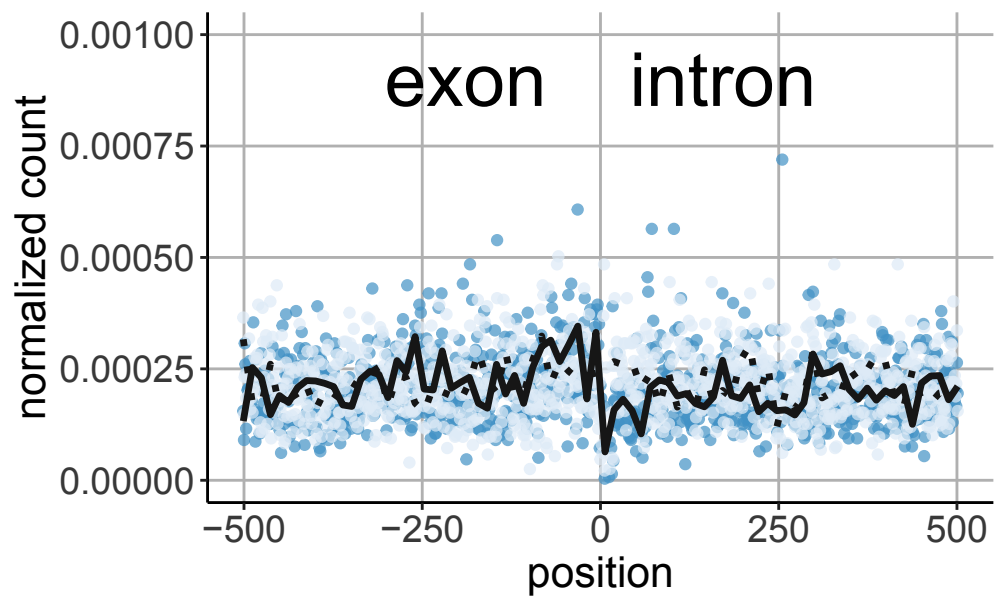


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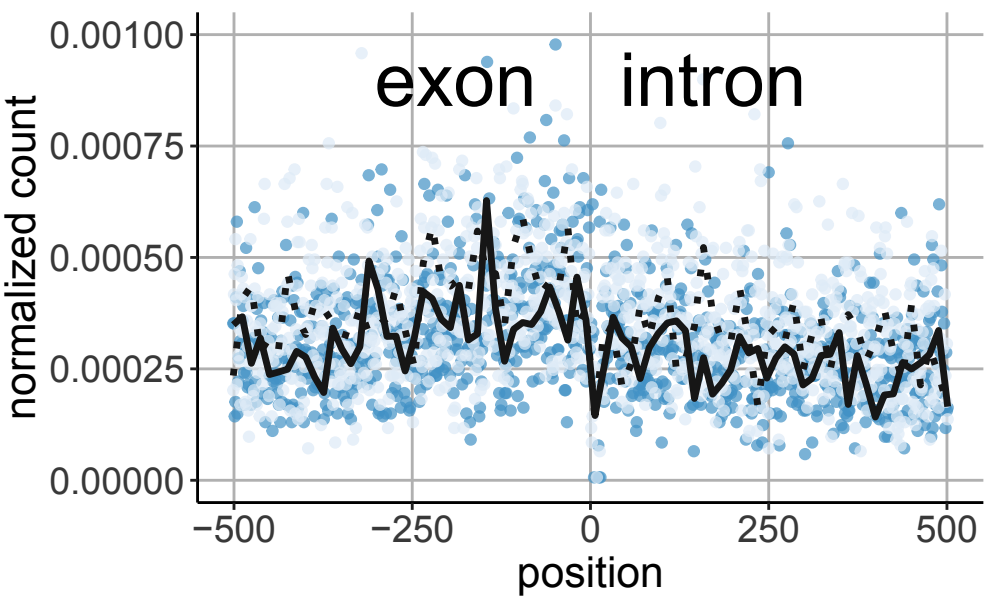


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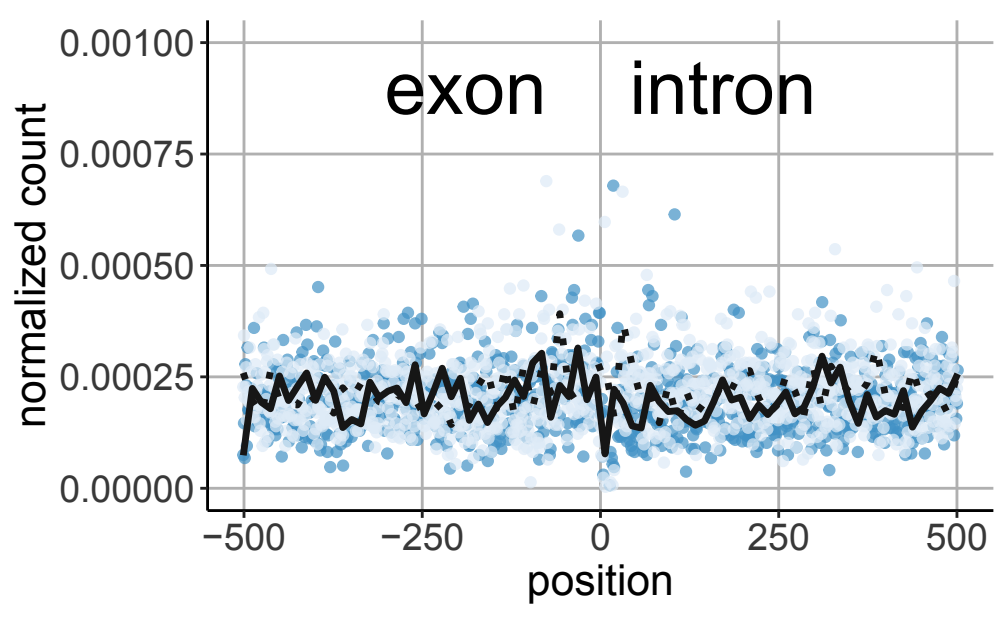


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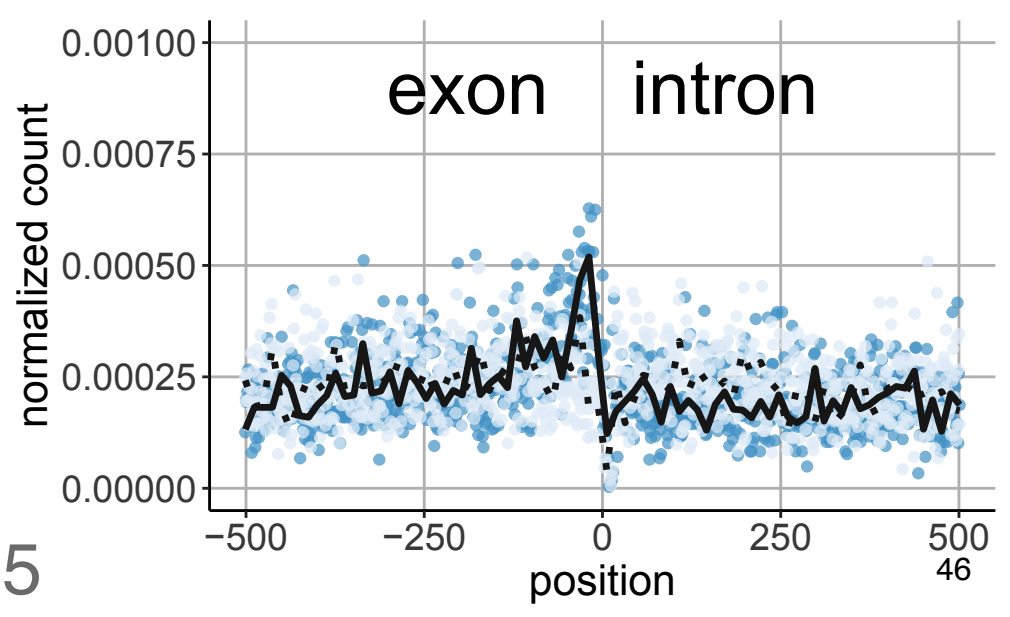

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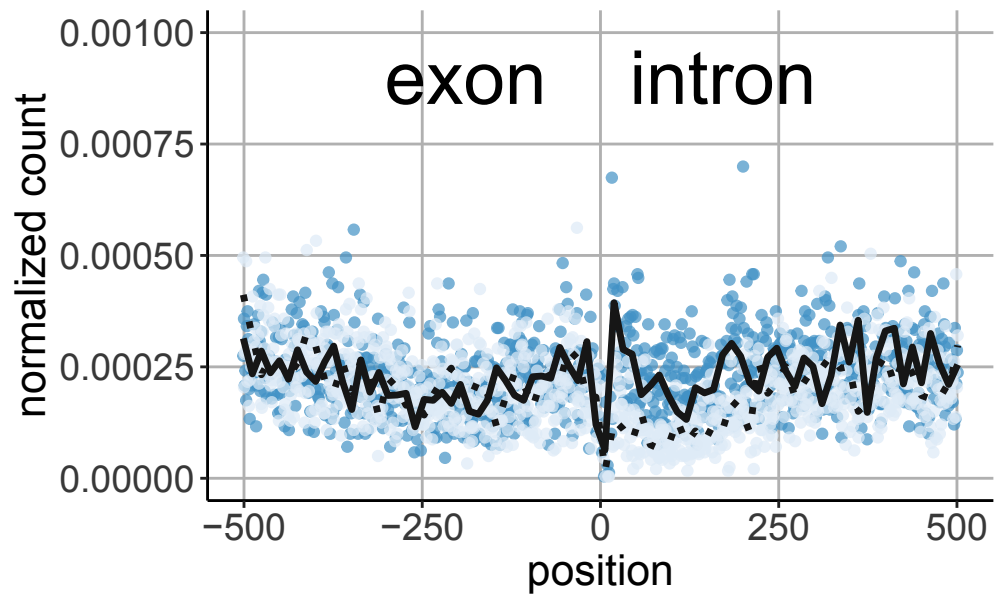


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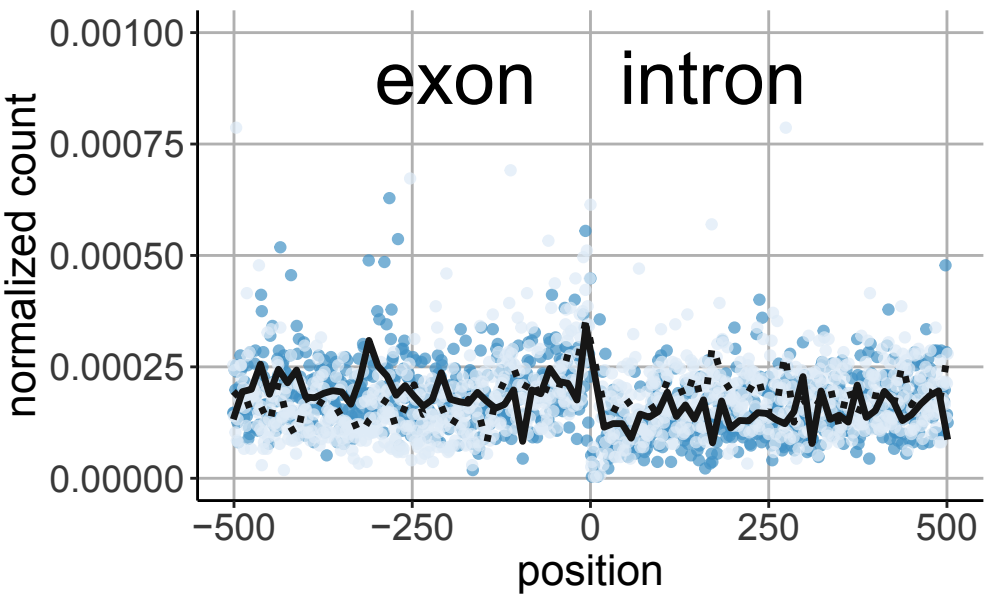


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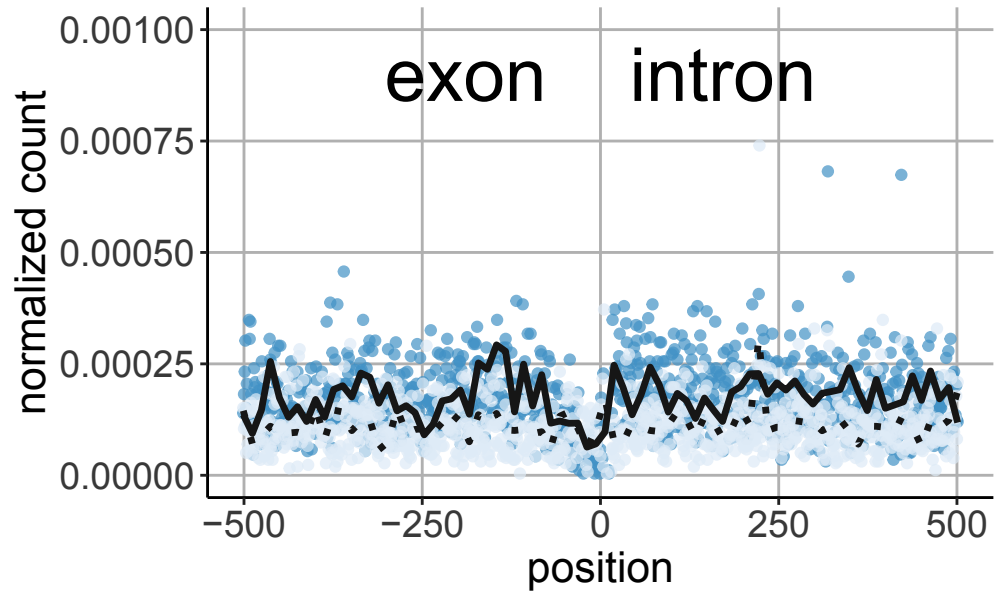


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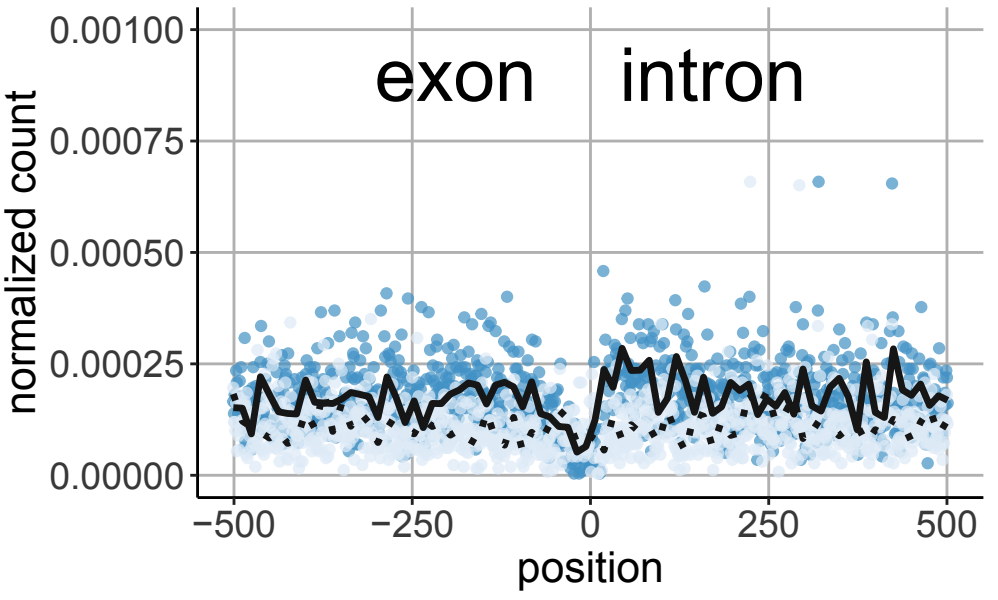


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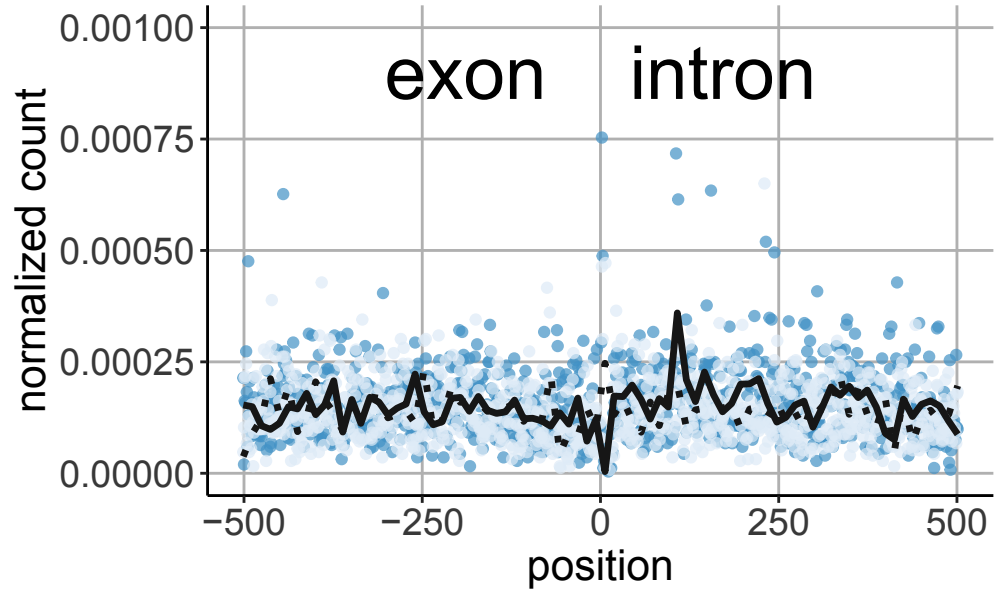


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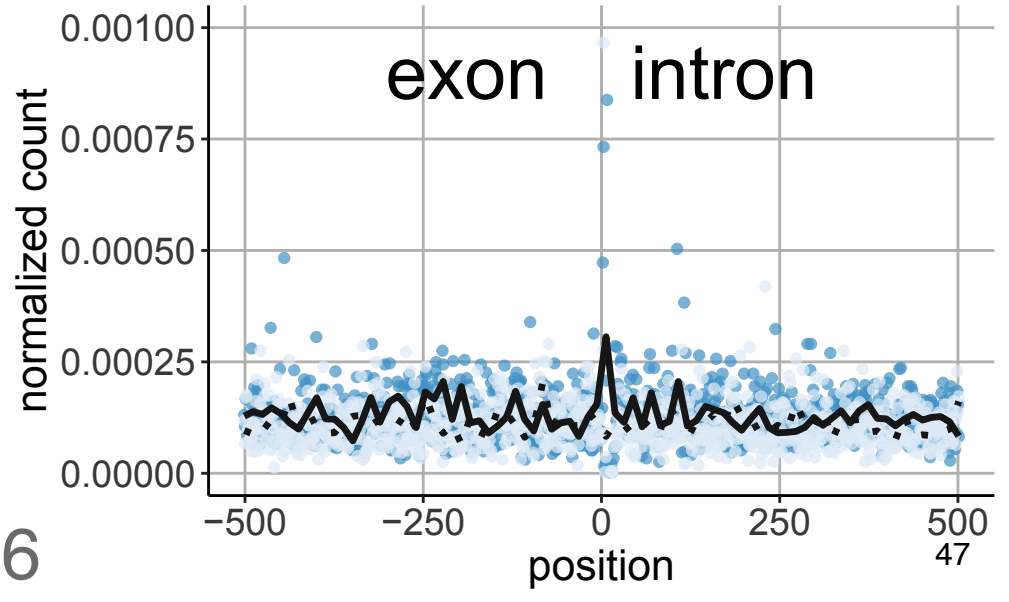

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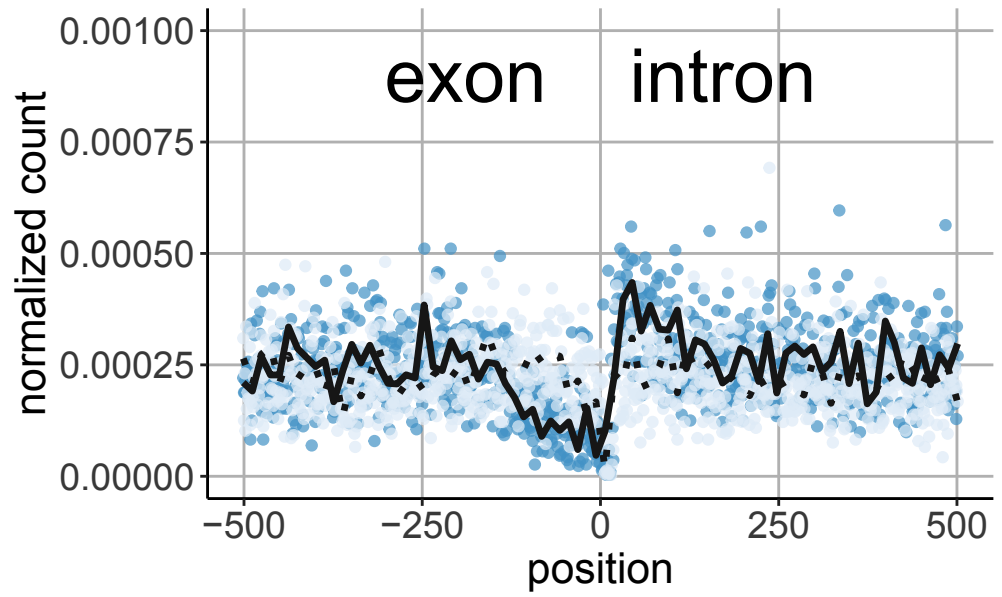


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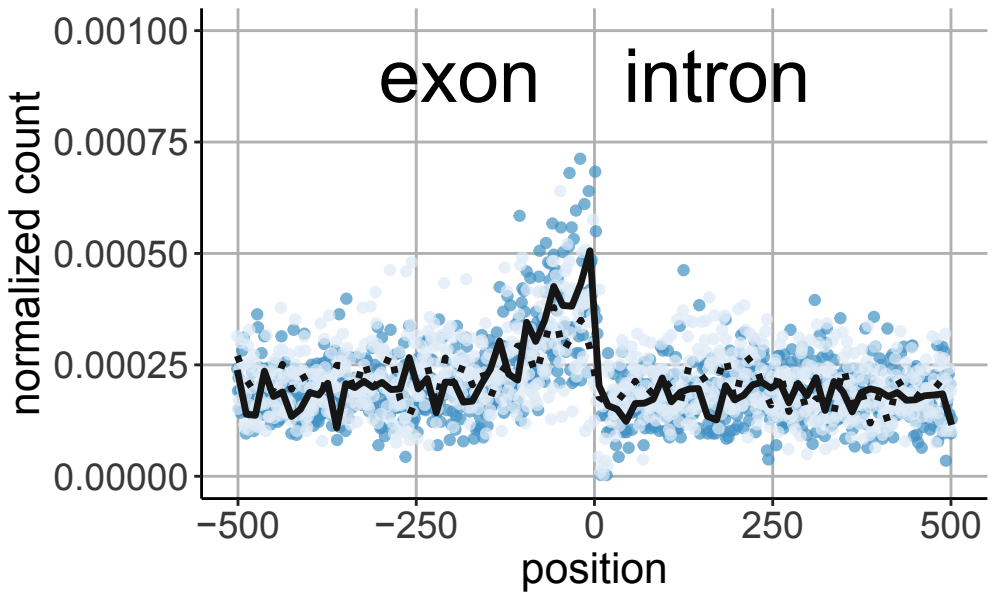


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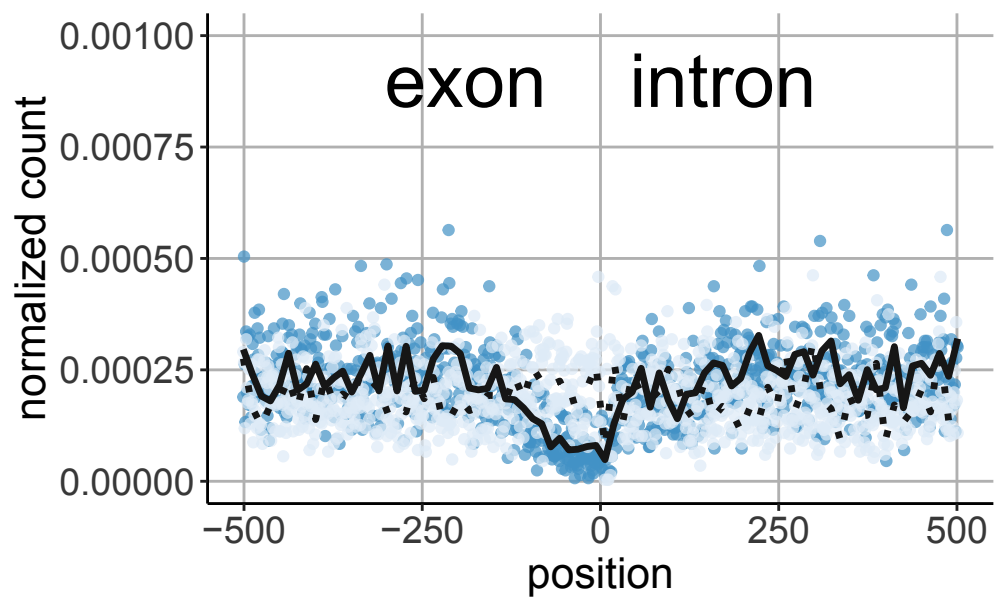


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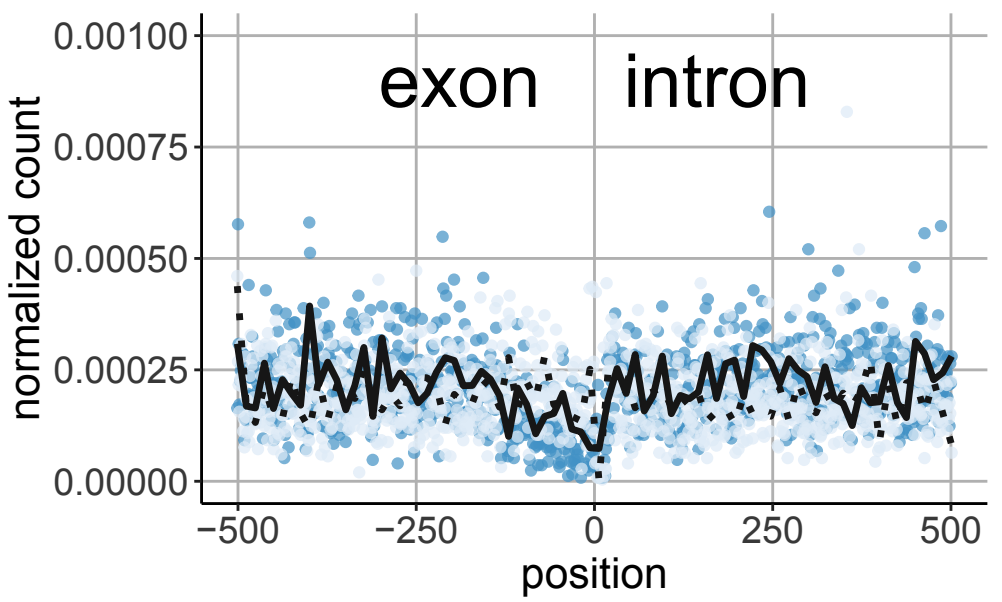


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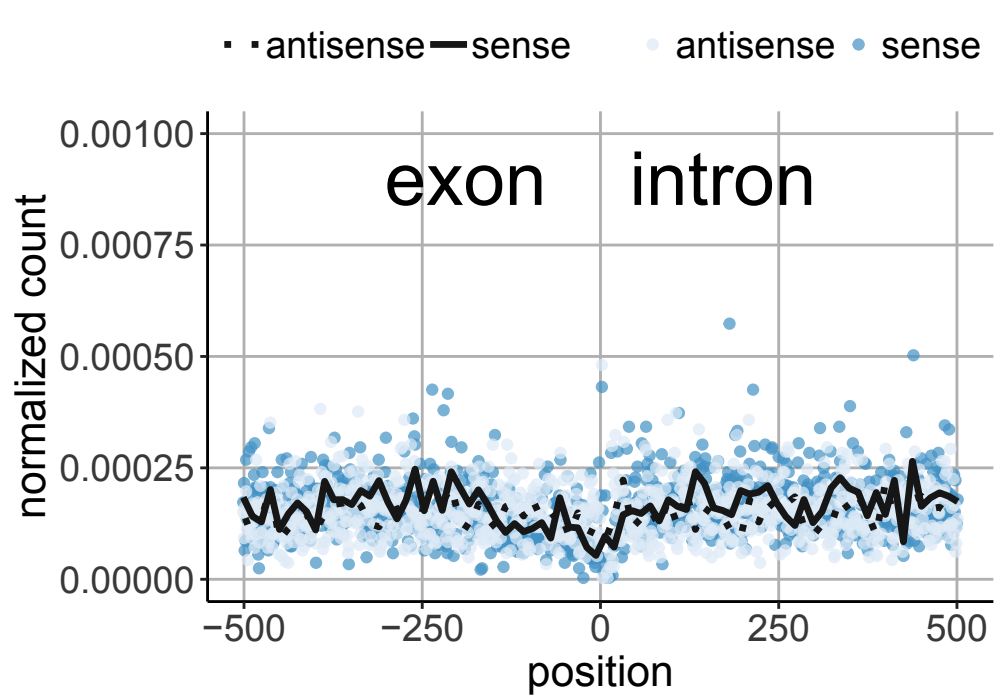

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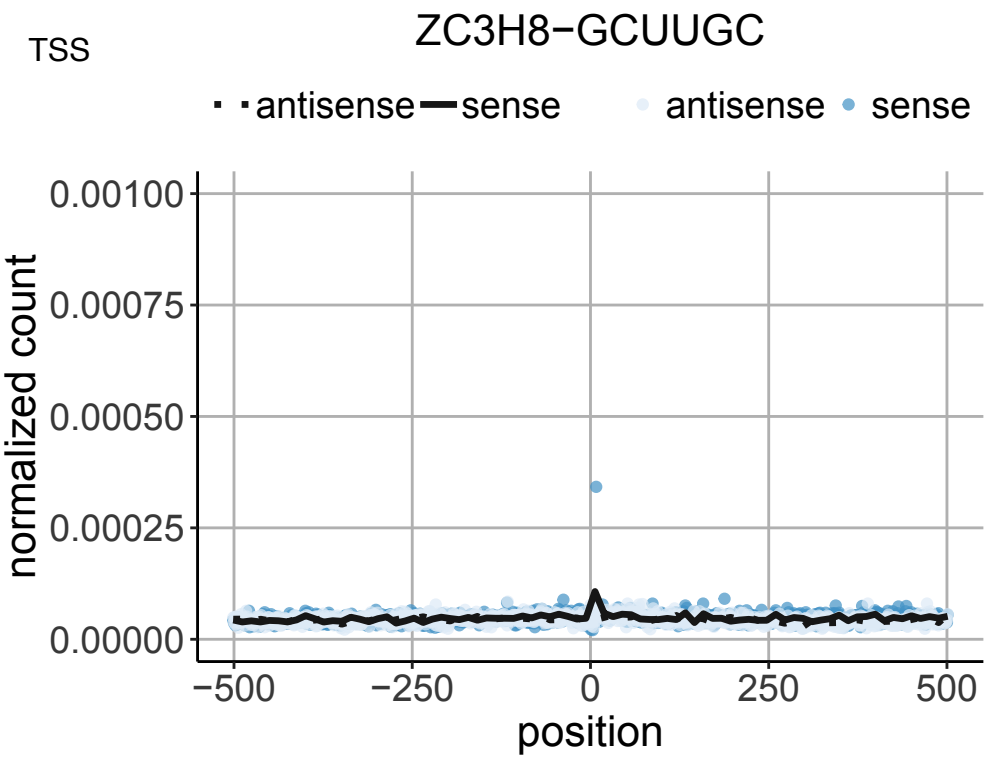
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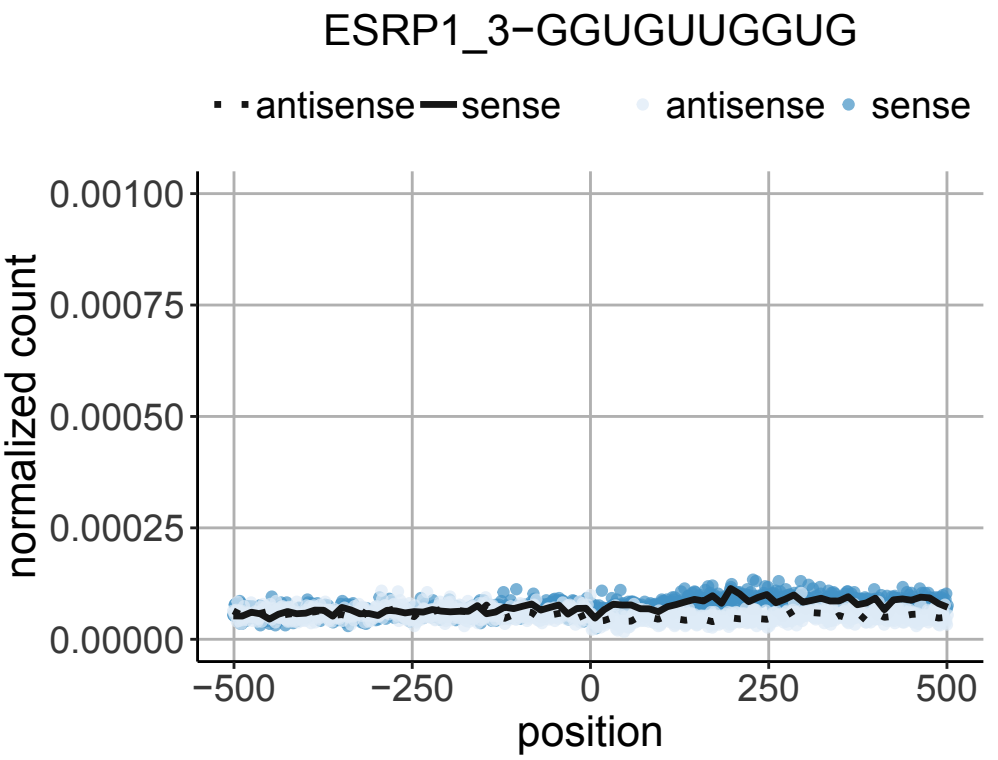
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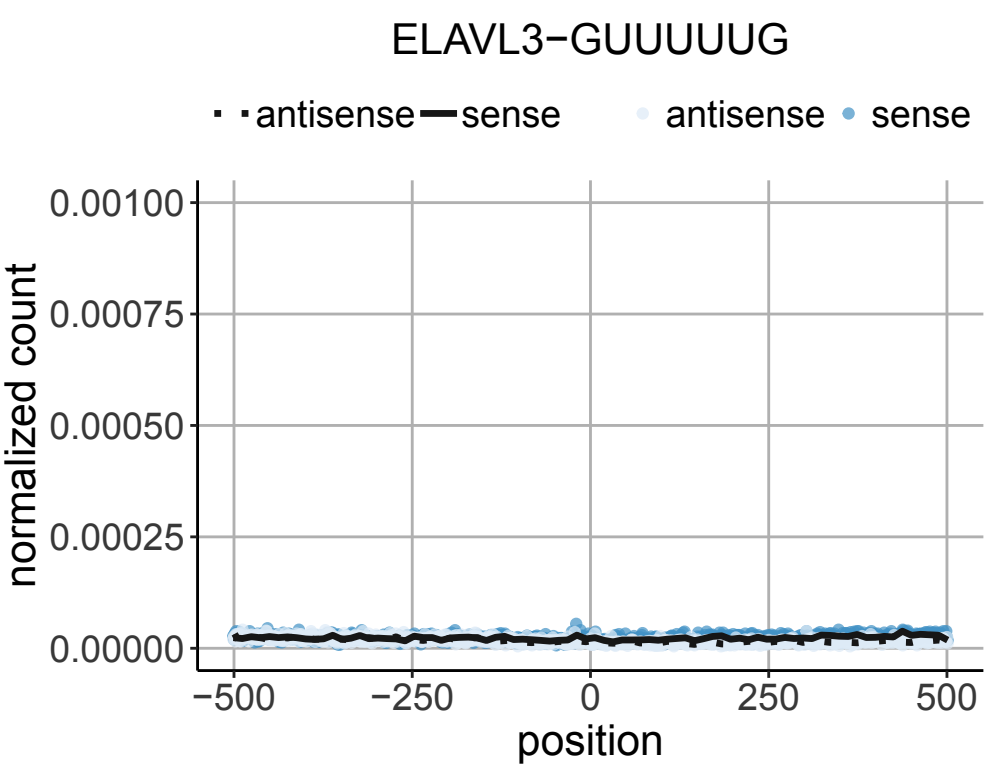
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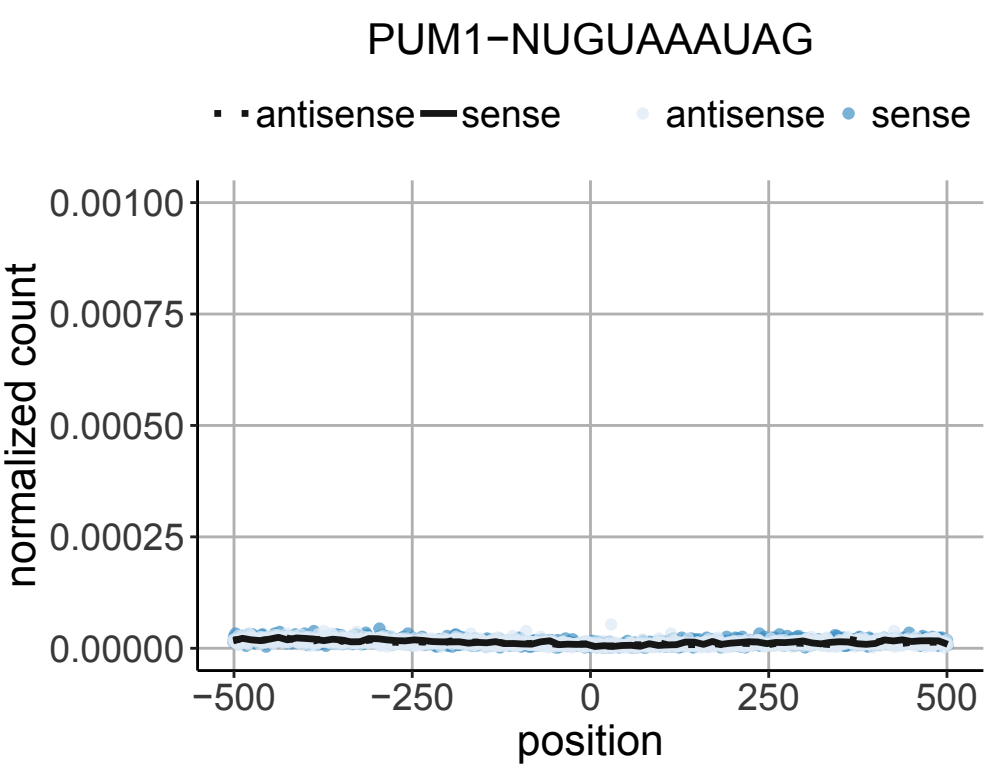
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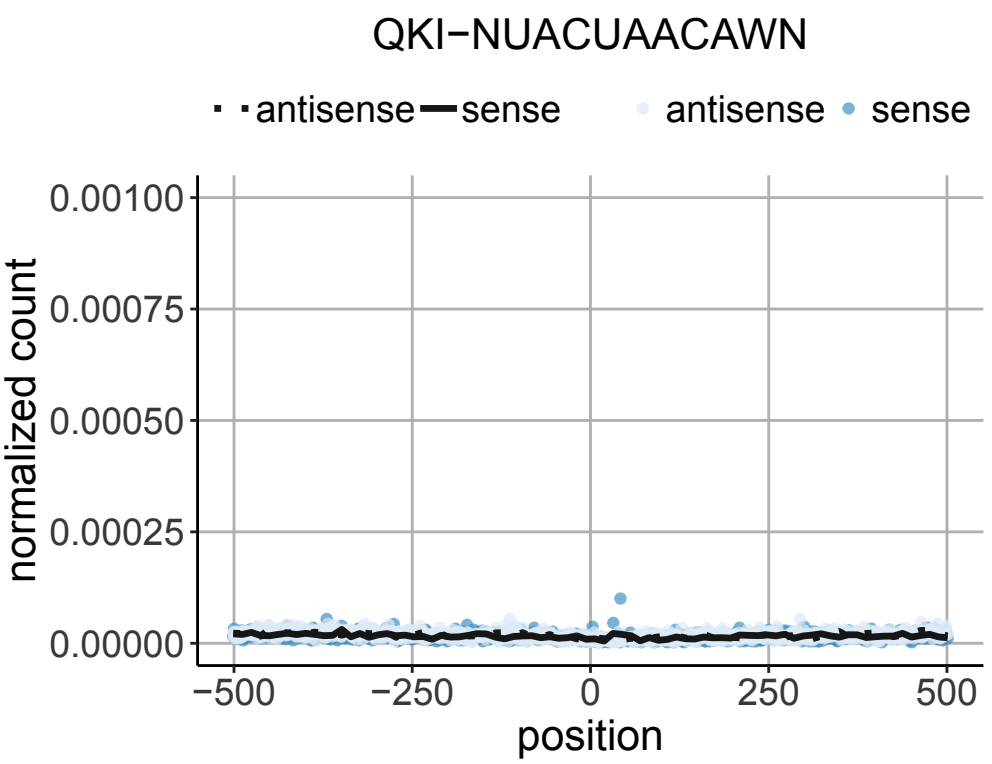
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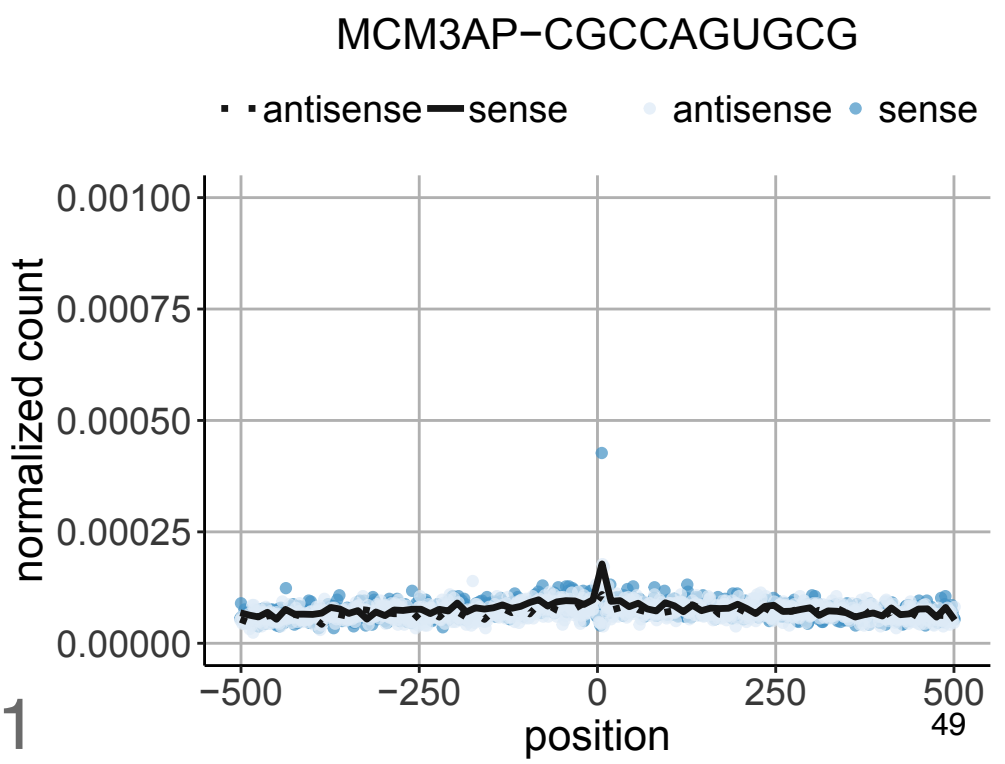
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TSS

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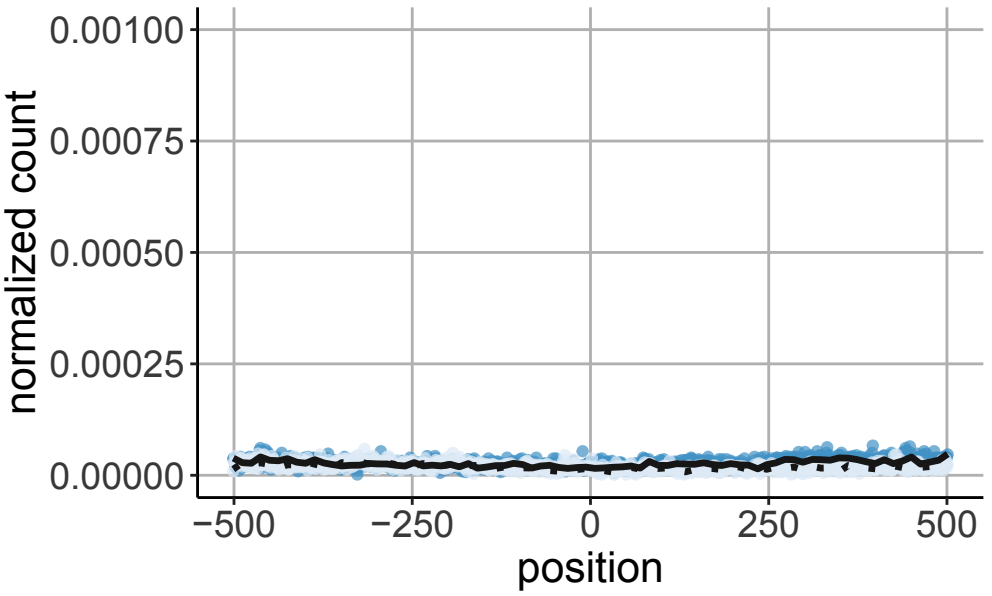


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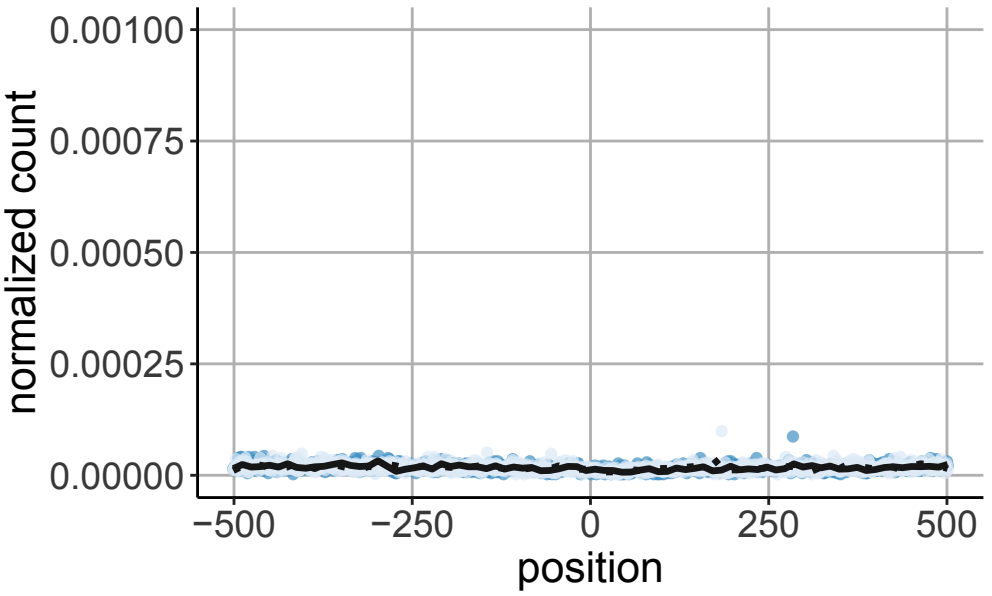


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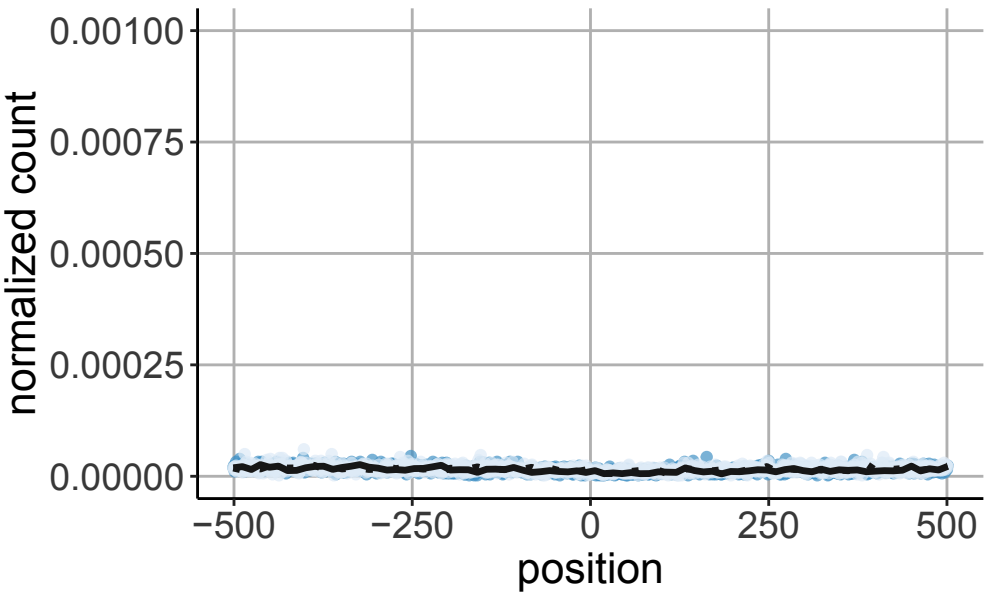


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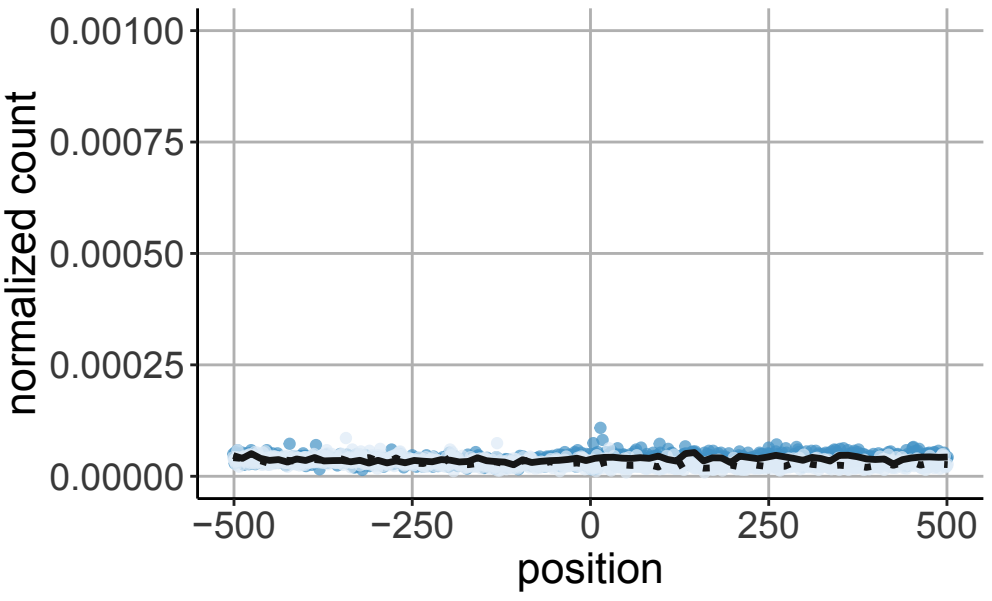


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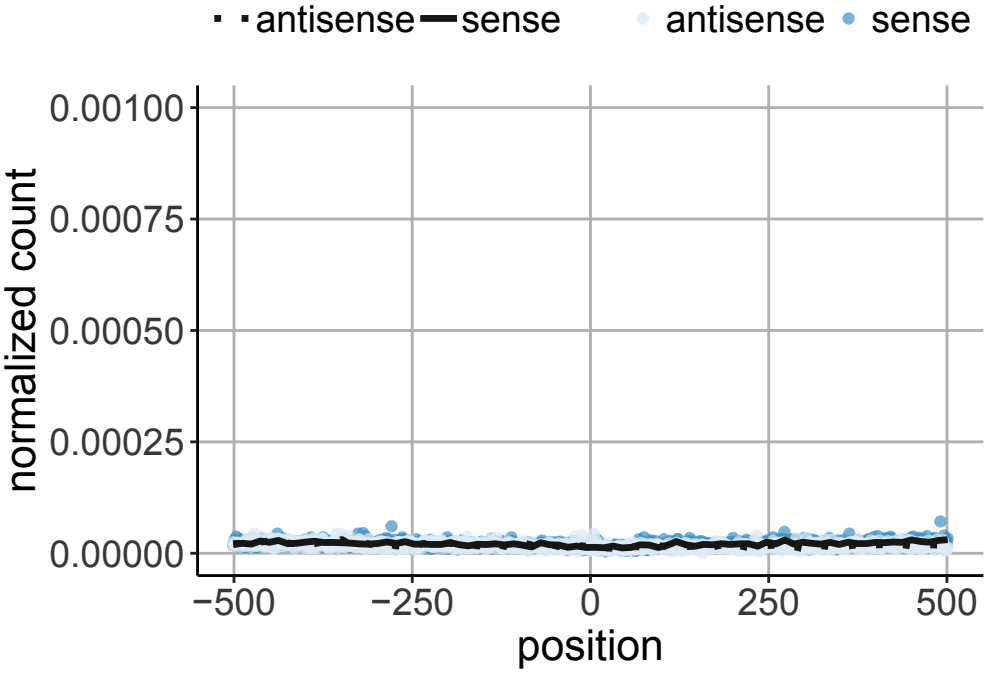


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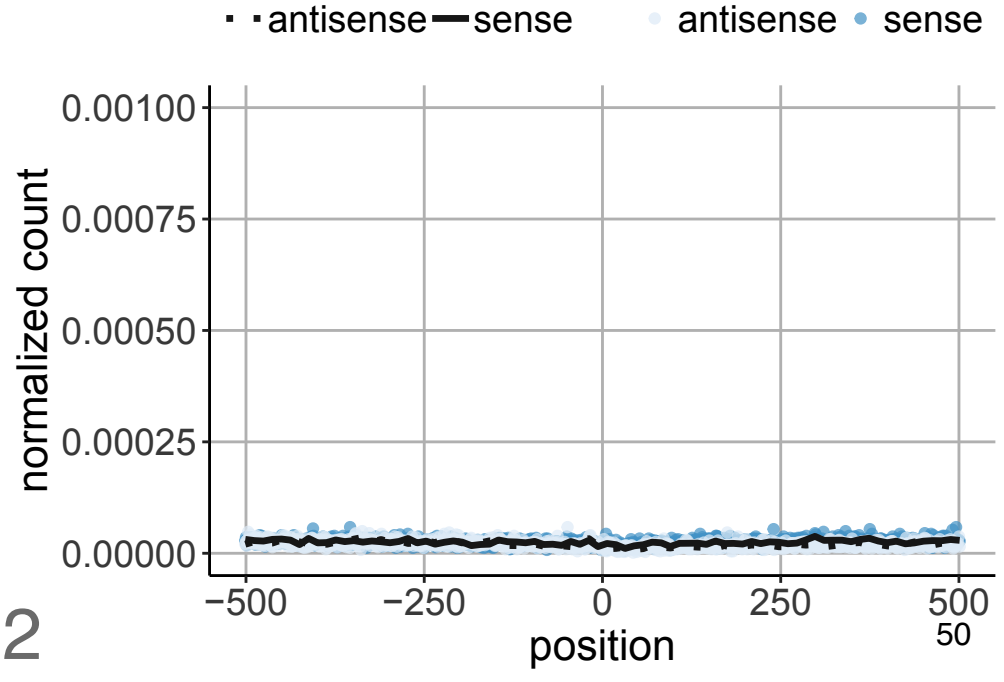

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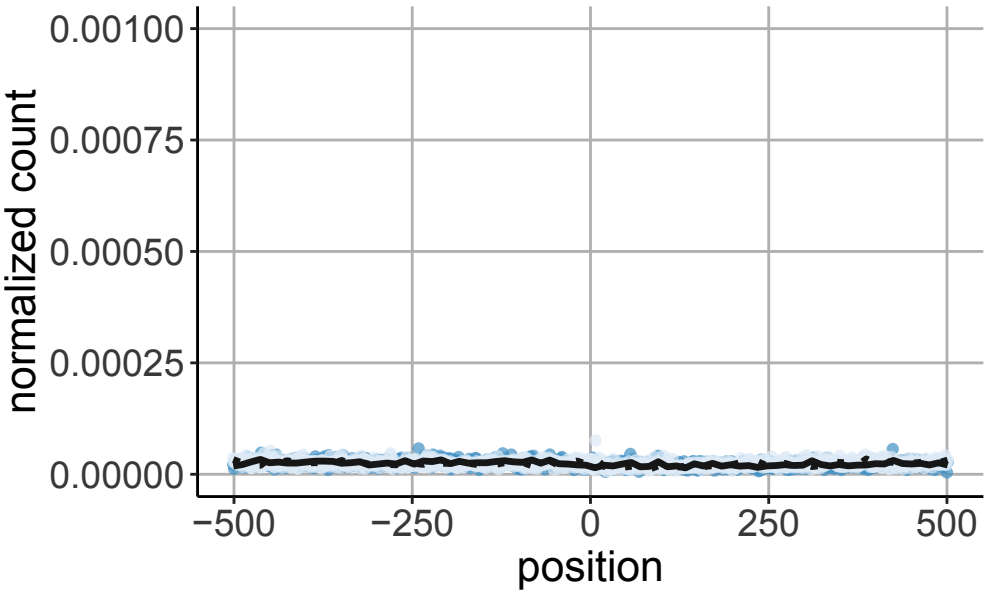


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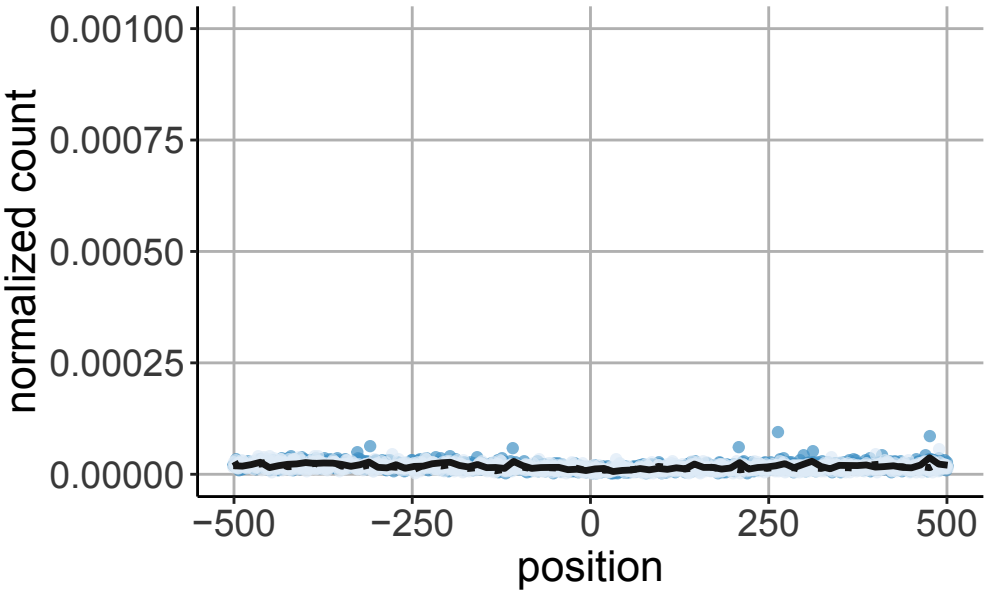


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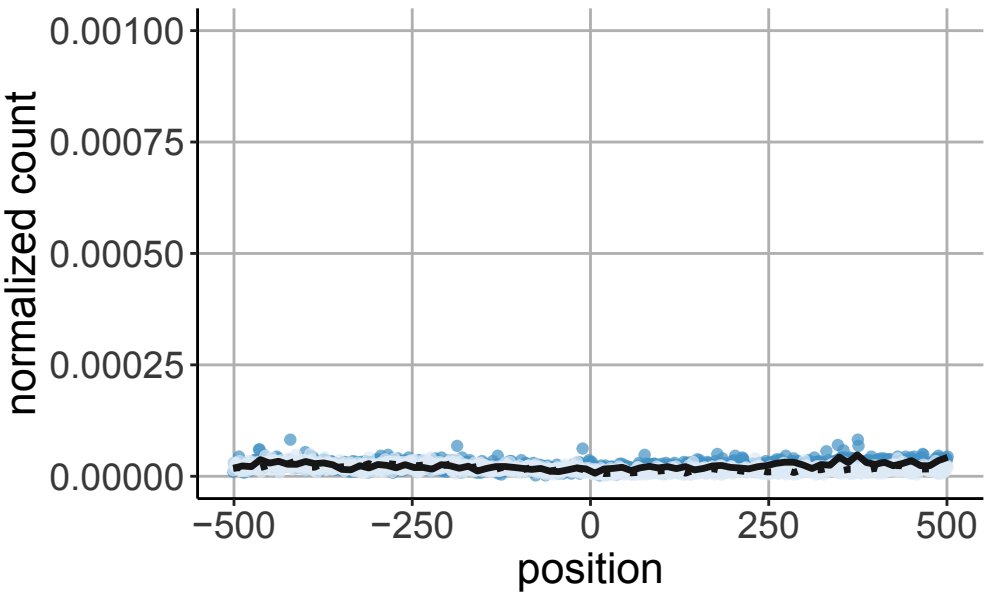


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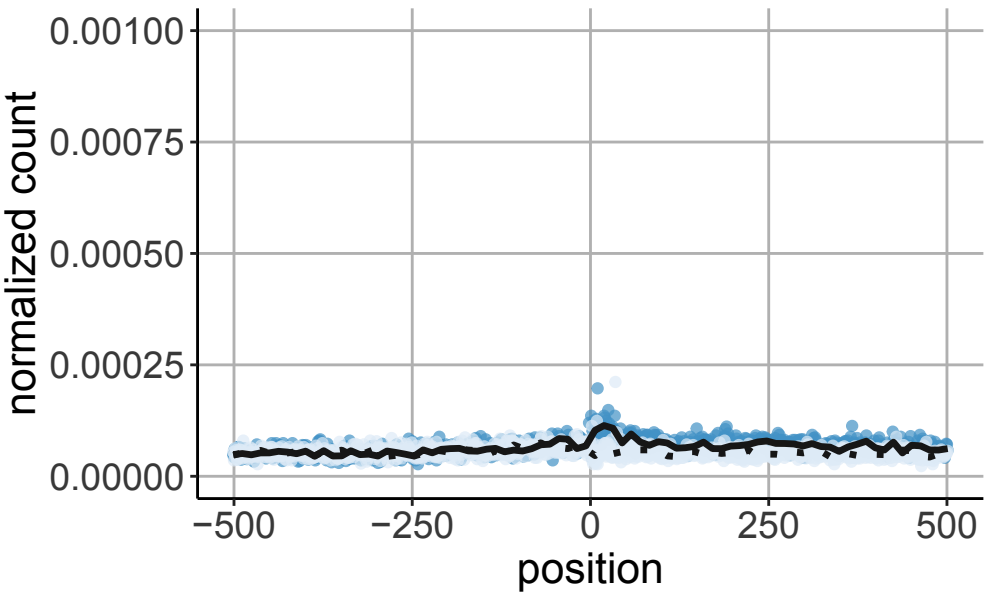


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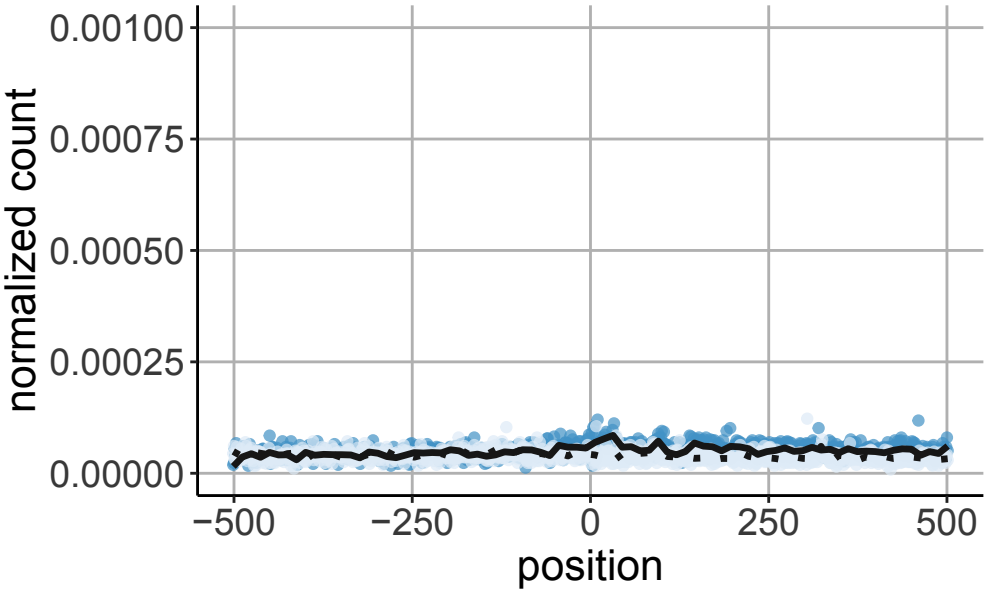


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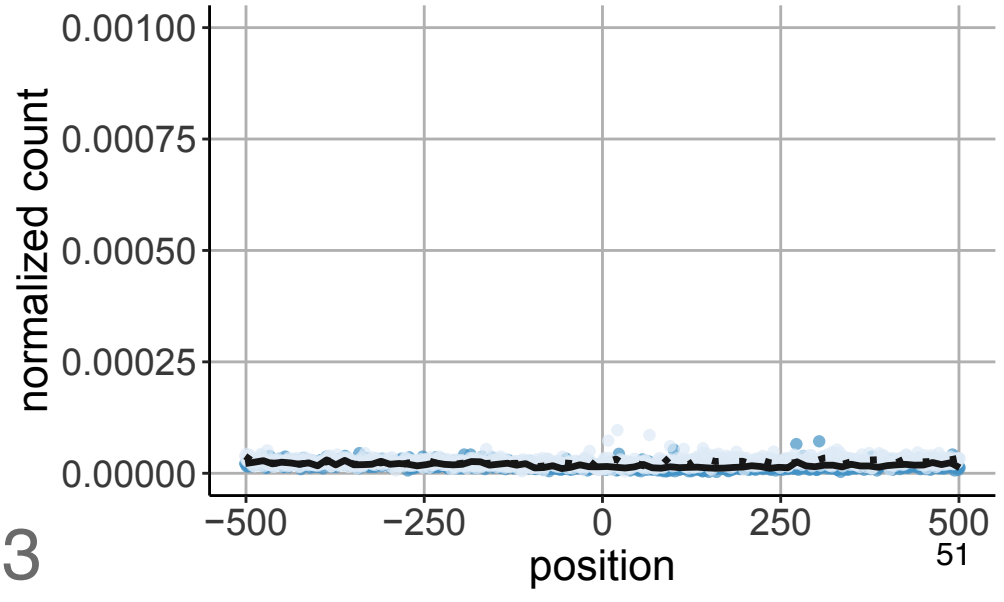

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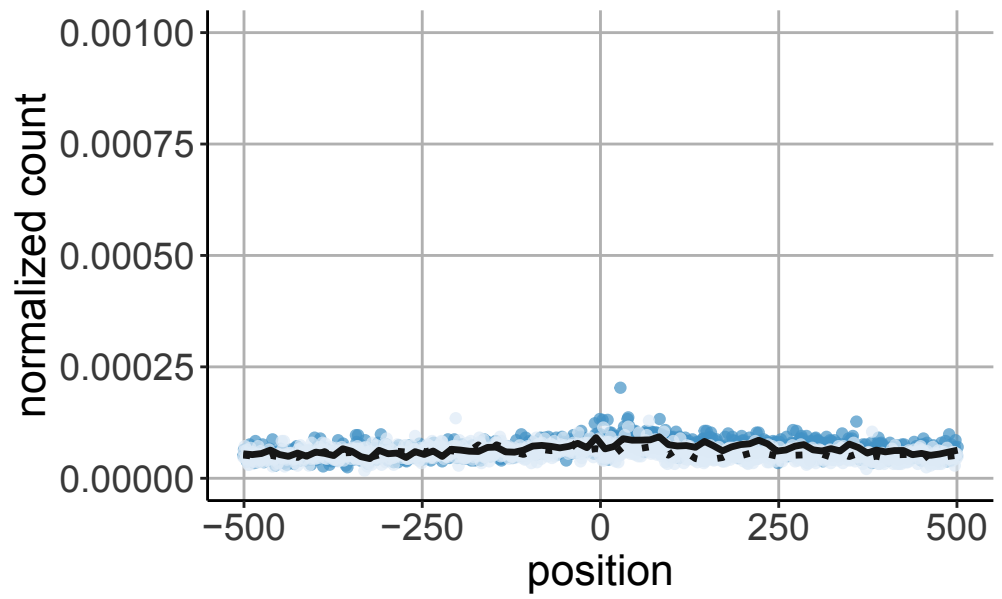


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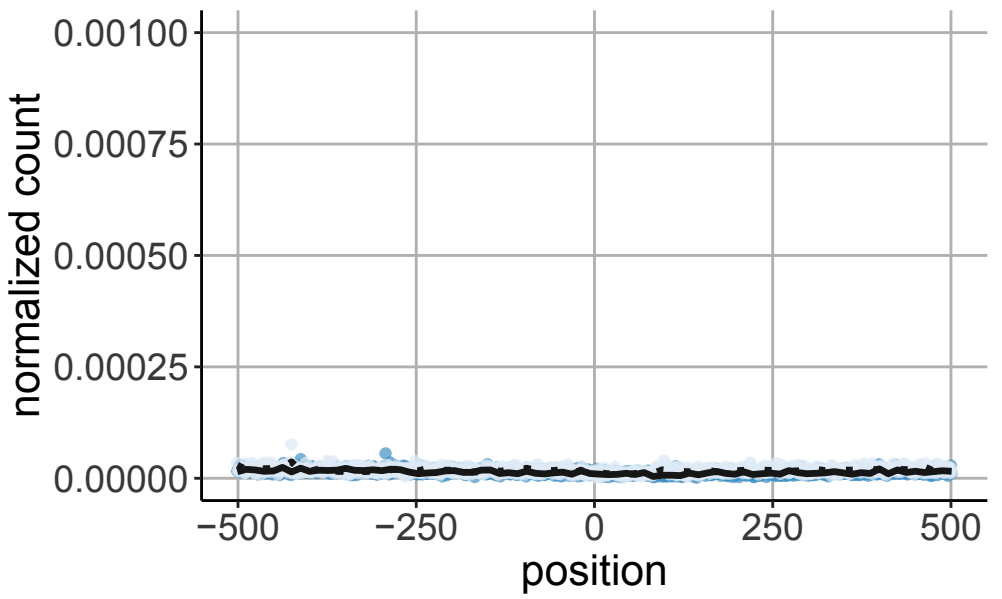


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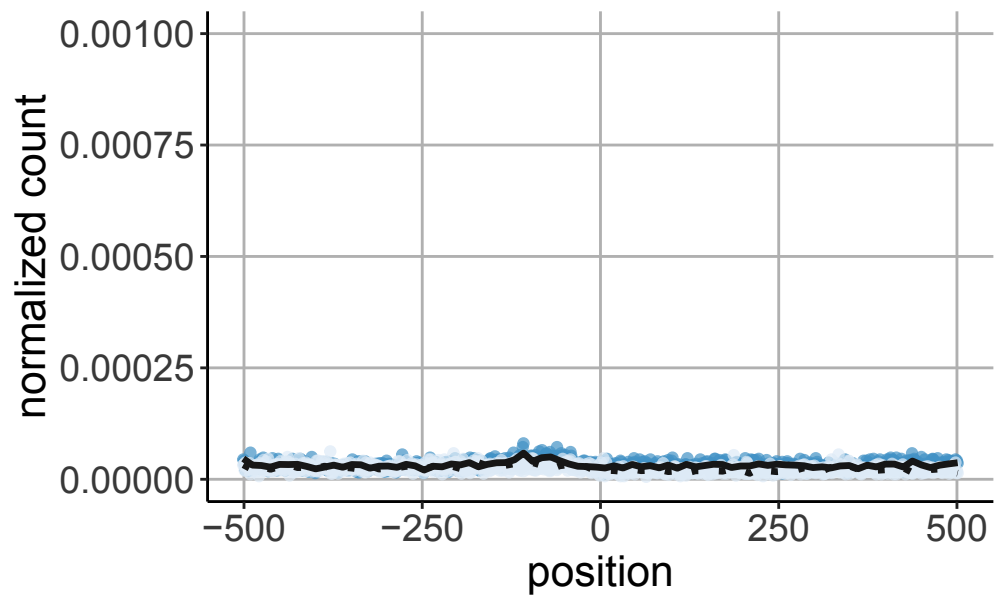


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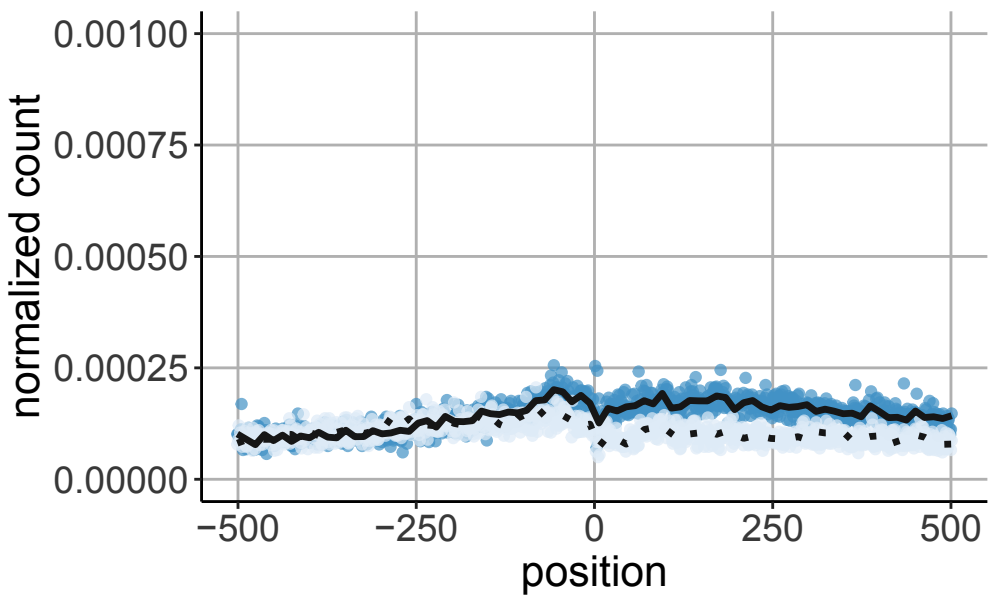


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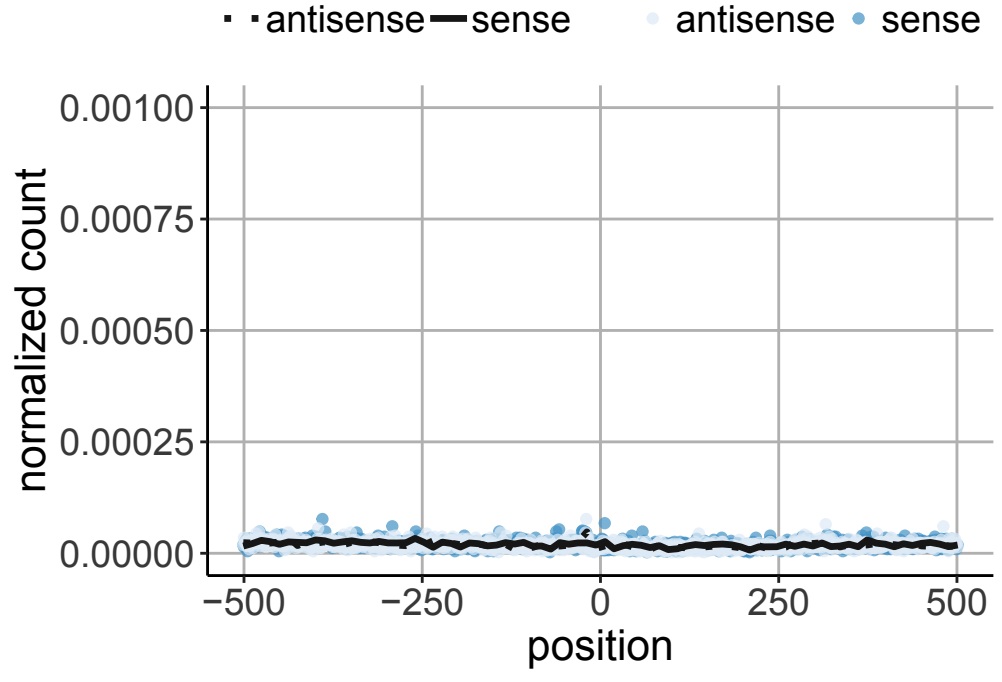


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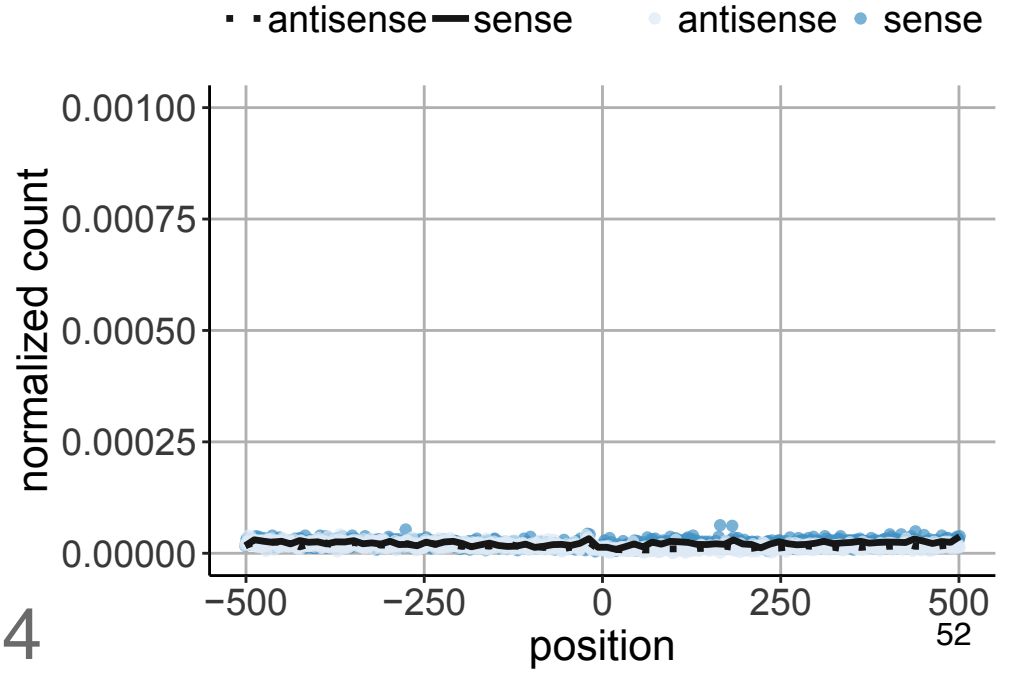

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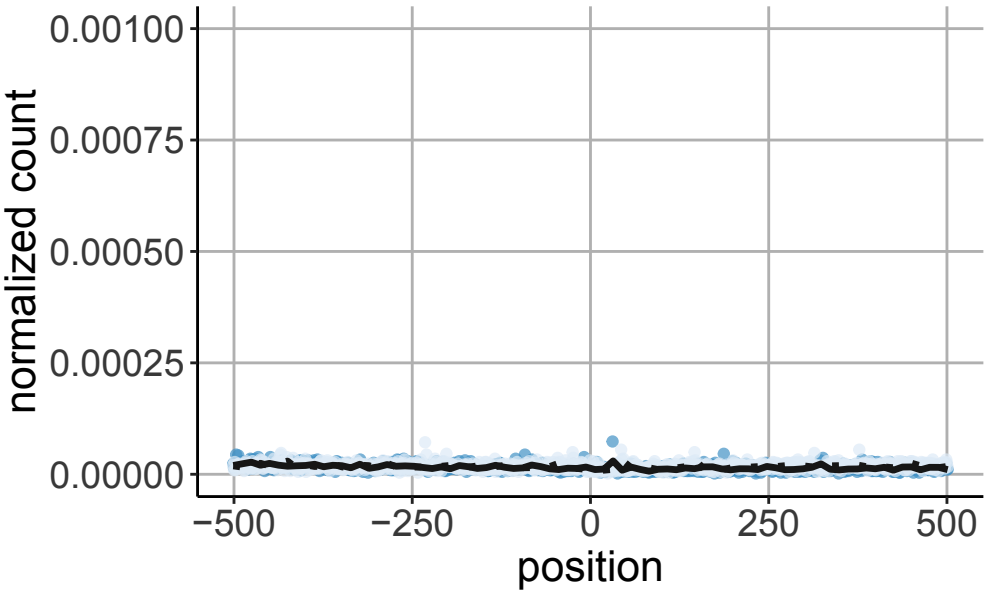


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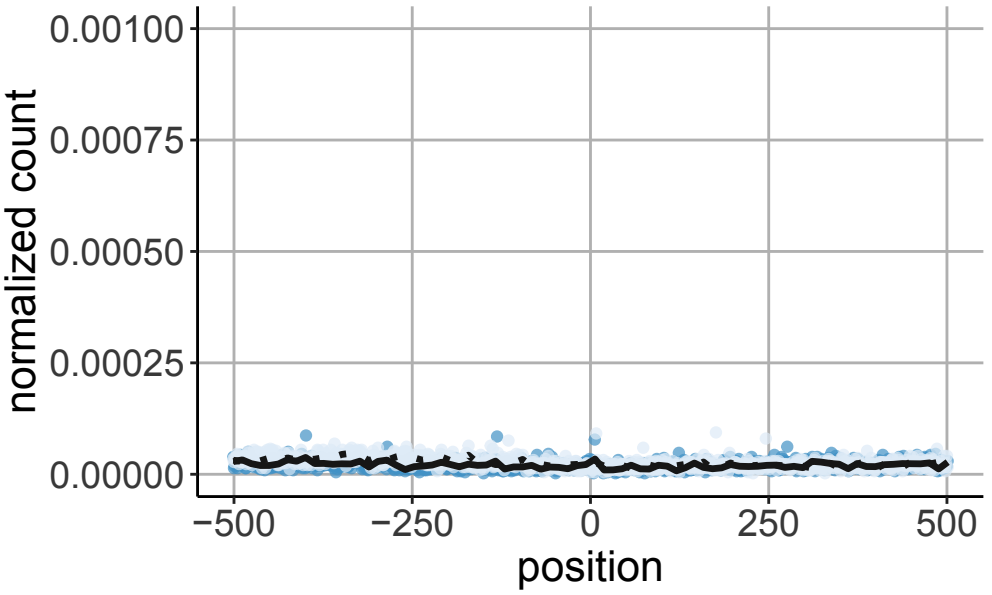


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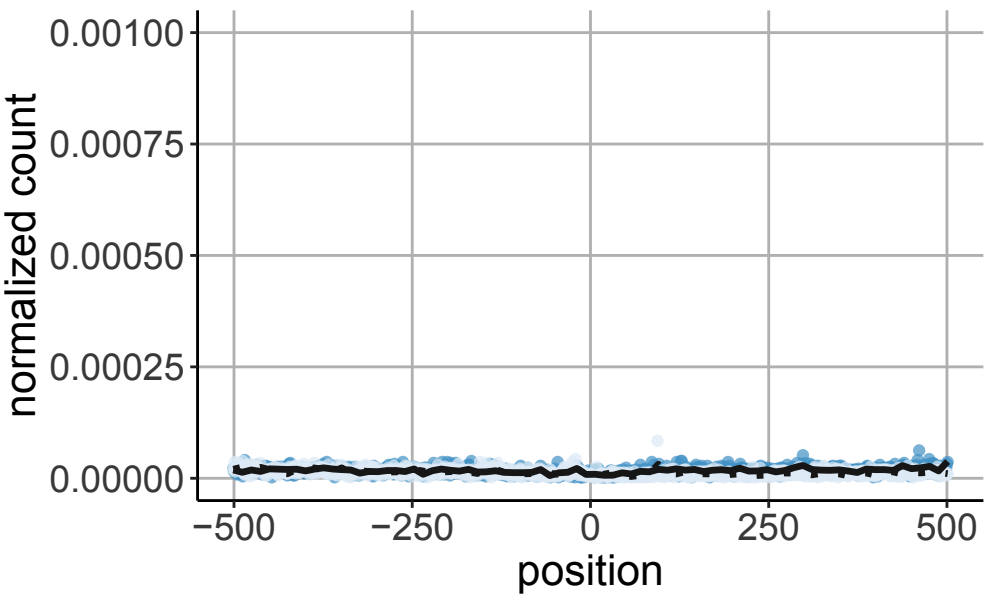


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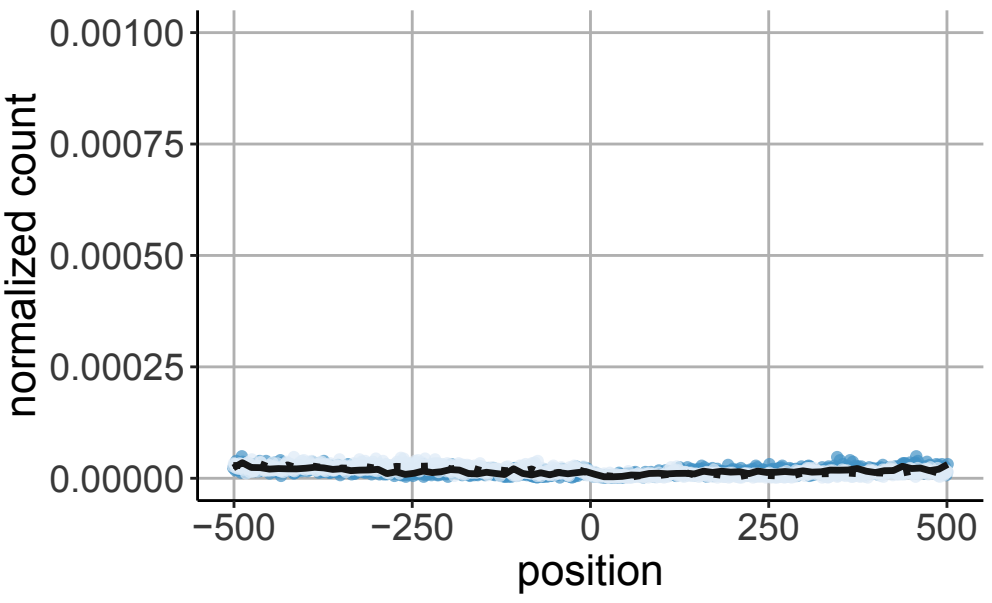


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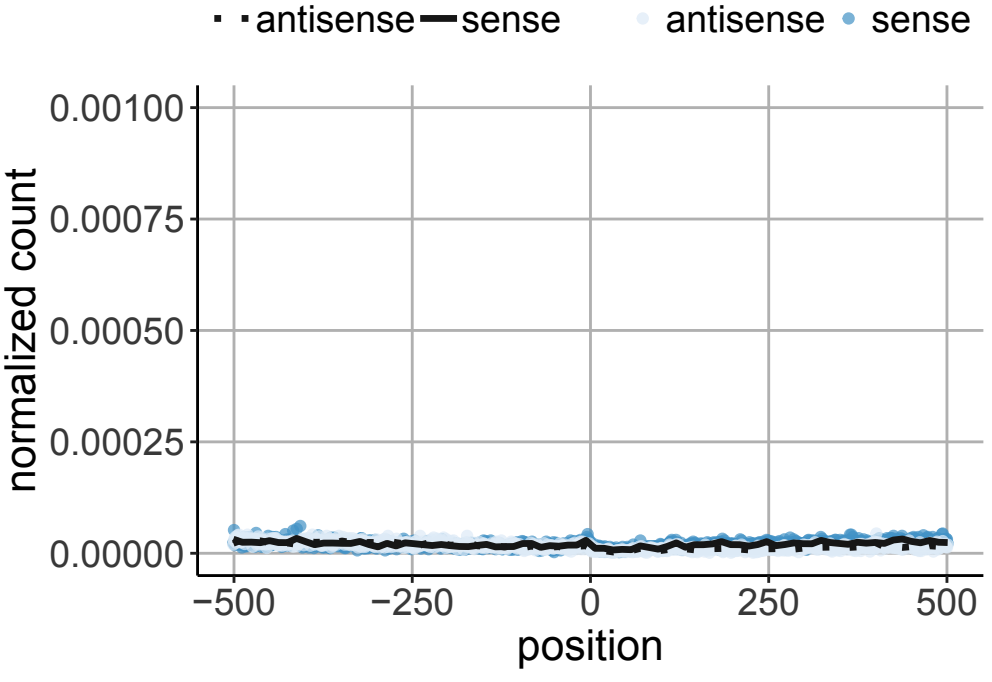


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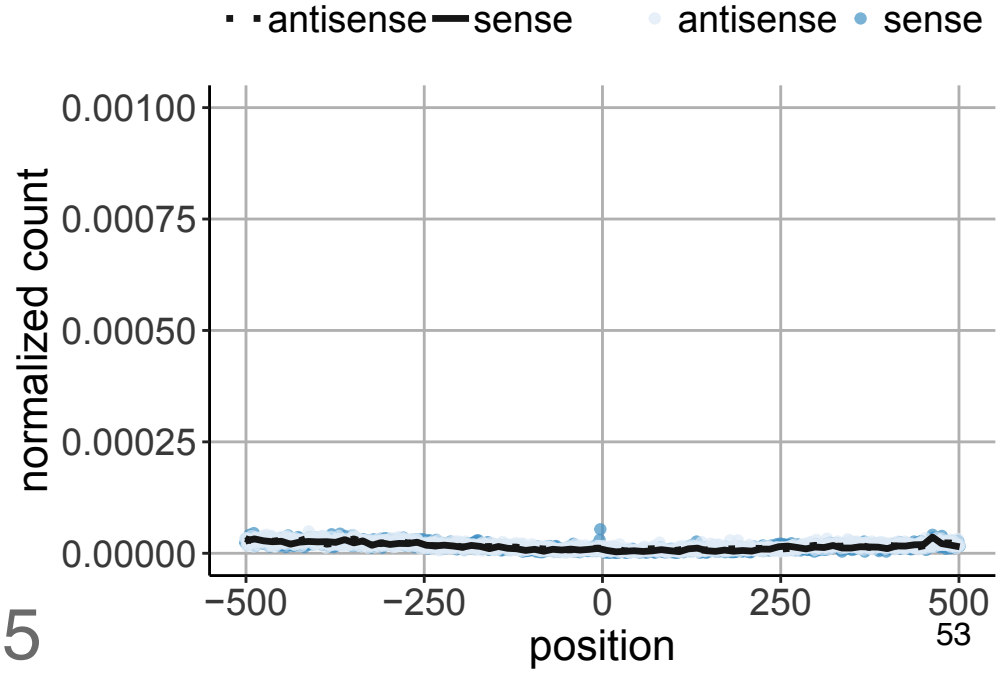

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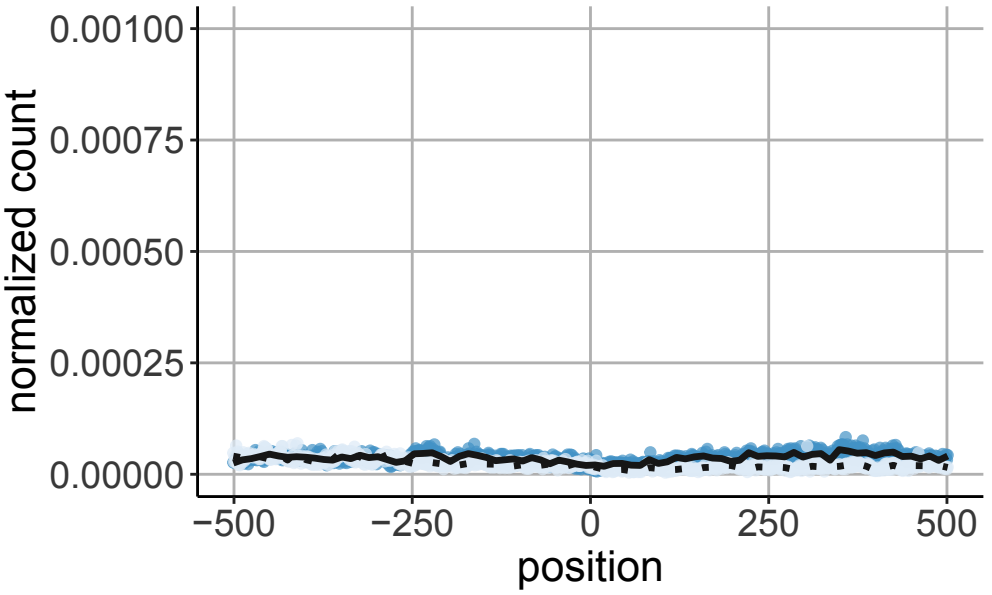


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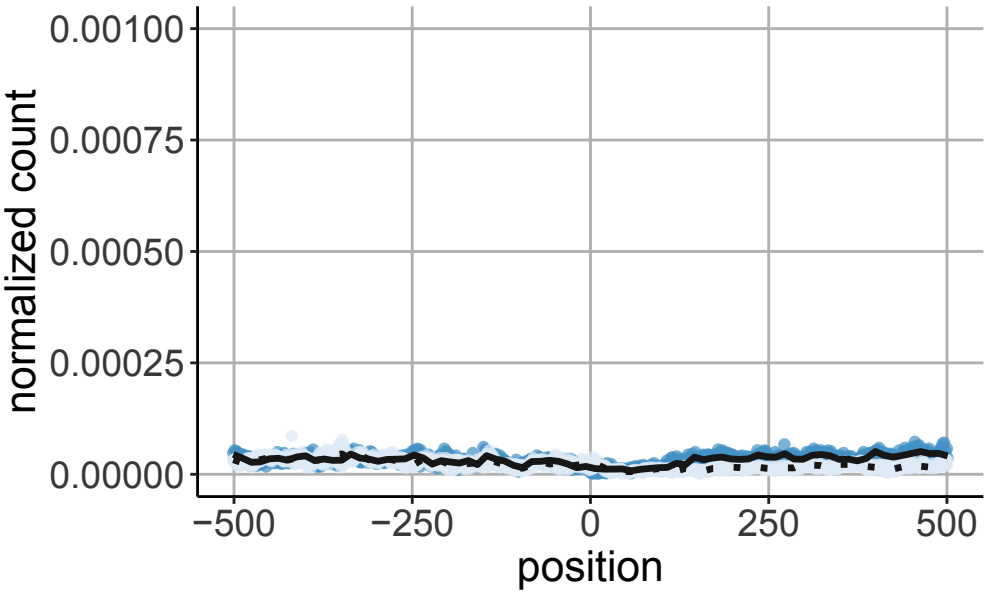


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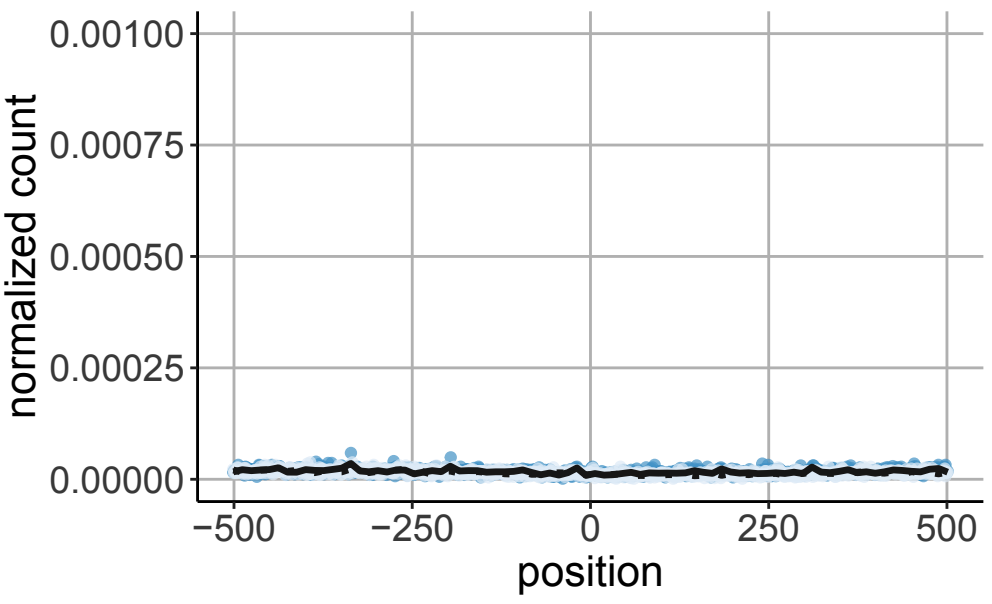
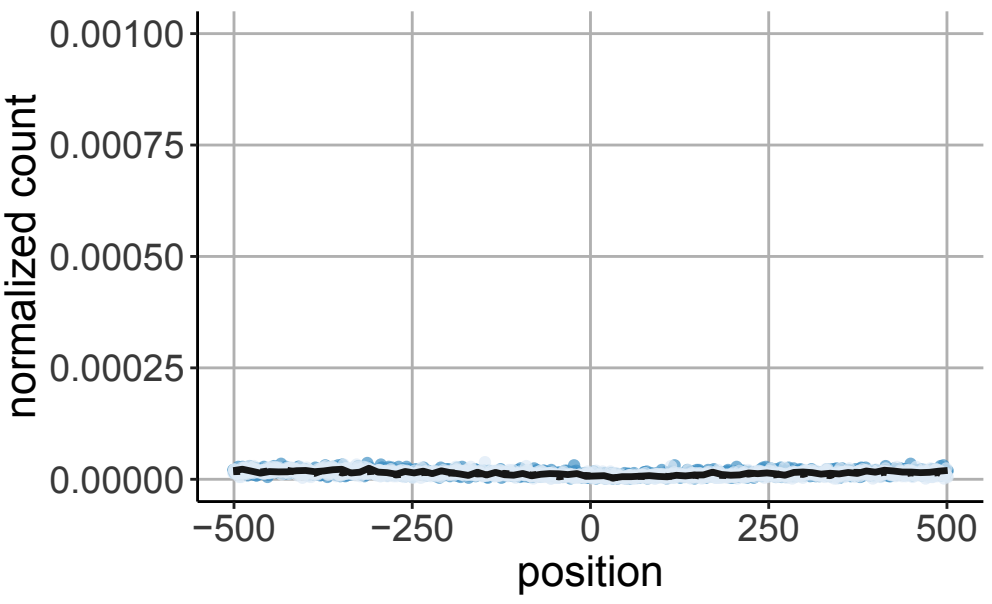



PUM2−NUGUAAAUAGKN

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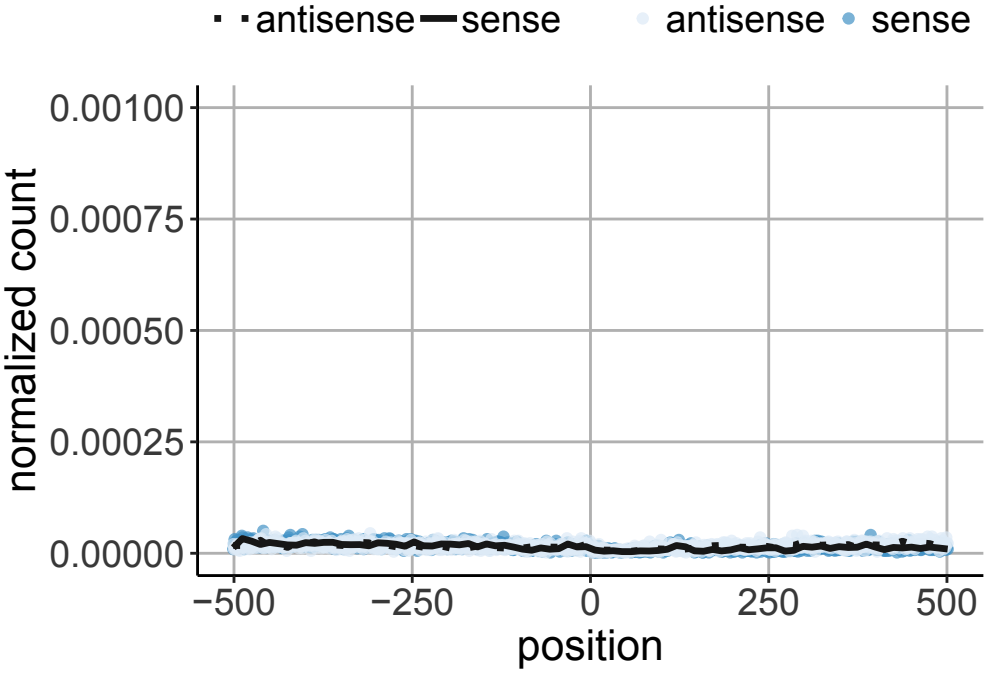


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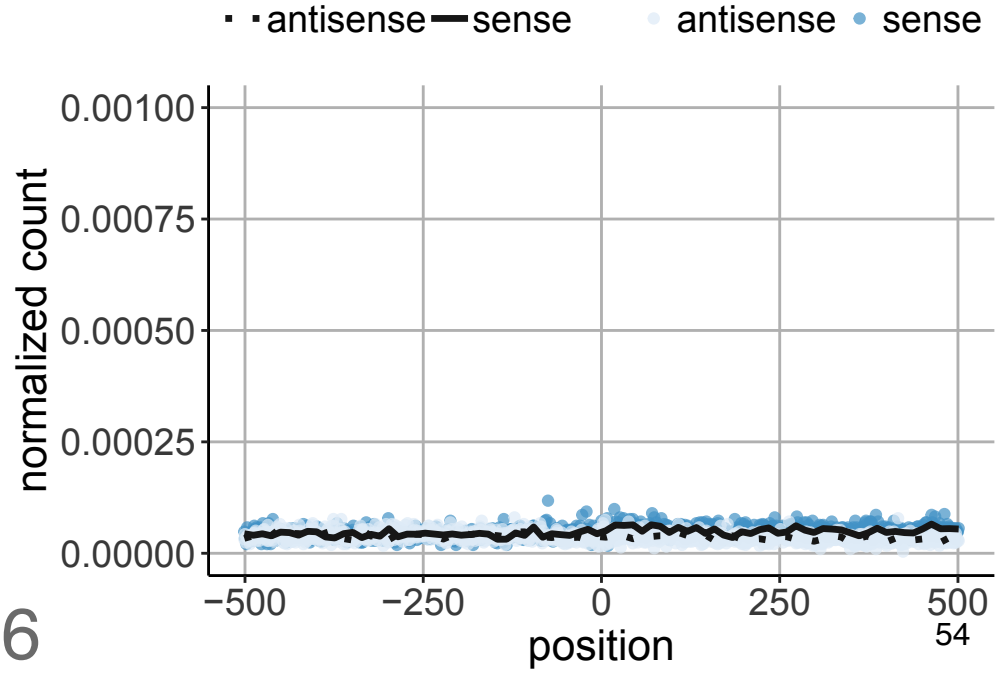

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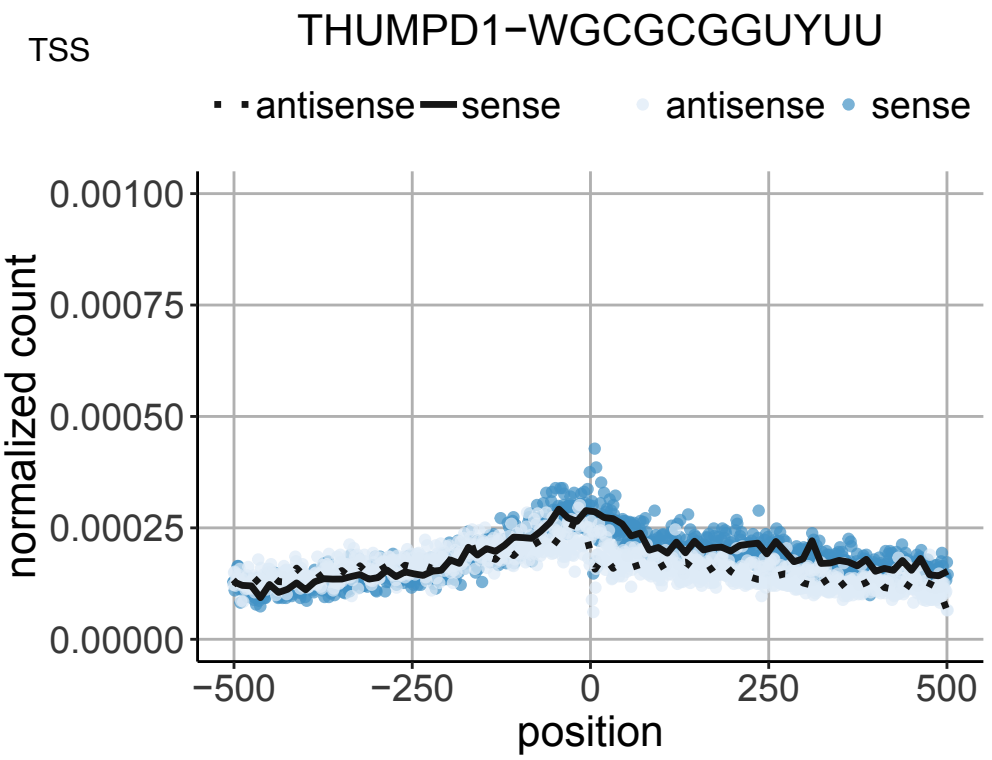
THUMPD1−WGCGCGGUYUU
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sense
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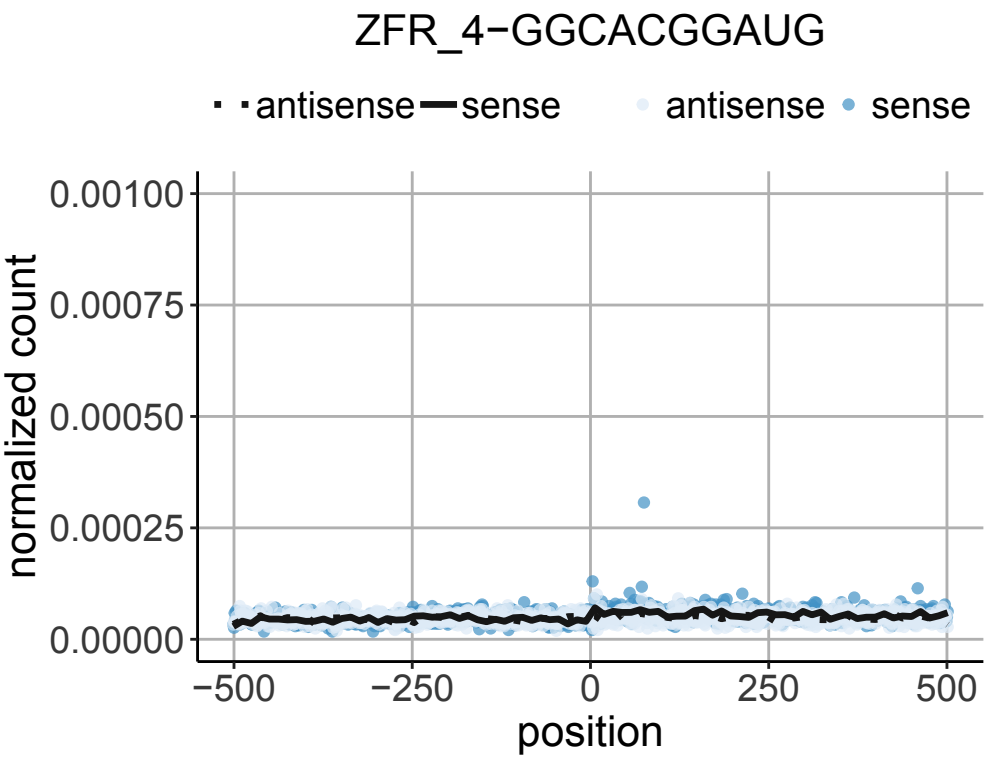
500
position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sense
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sense
normalized count
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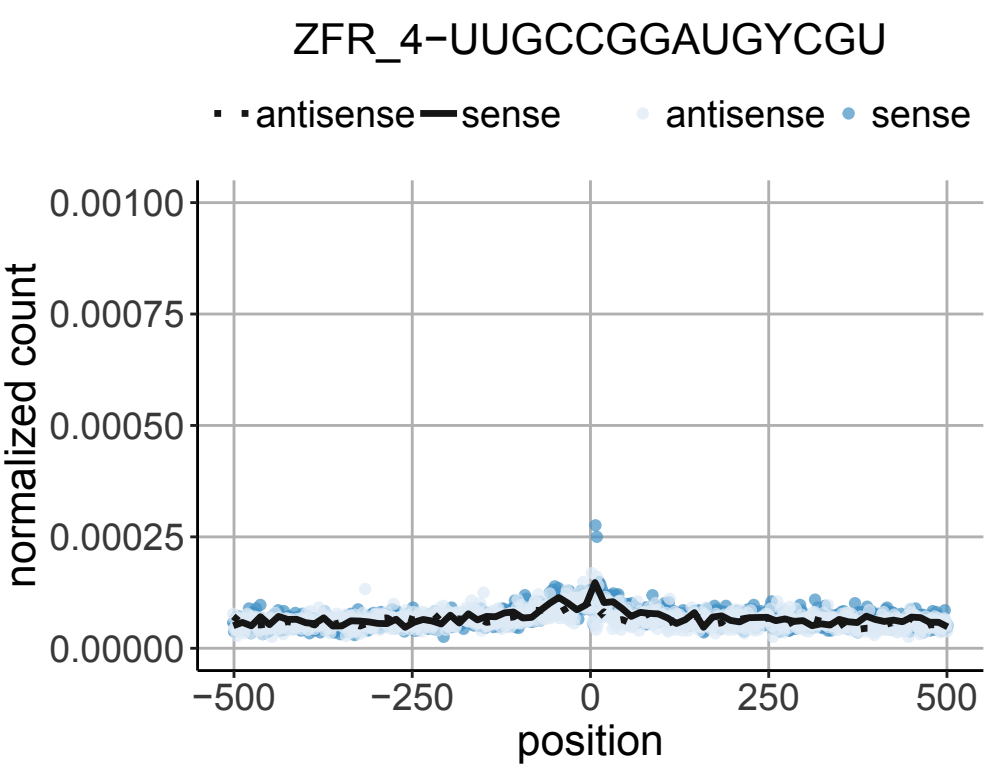
position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sense
normalized count
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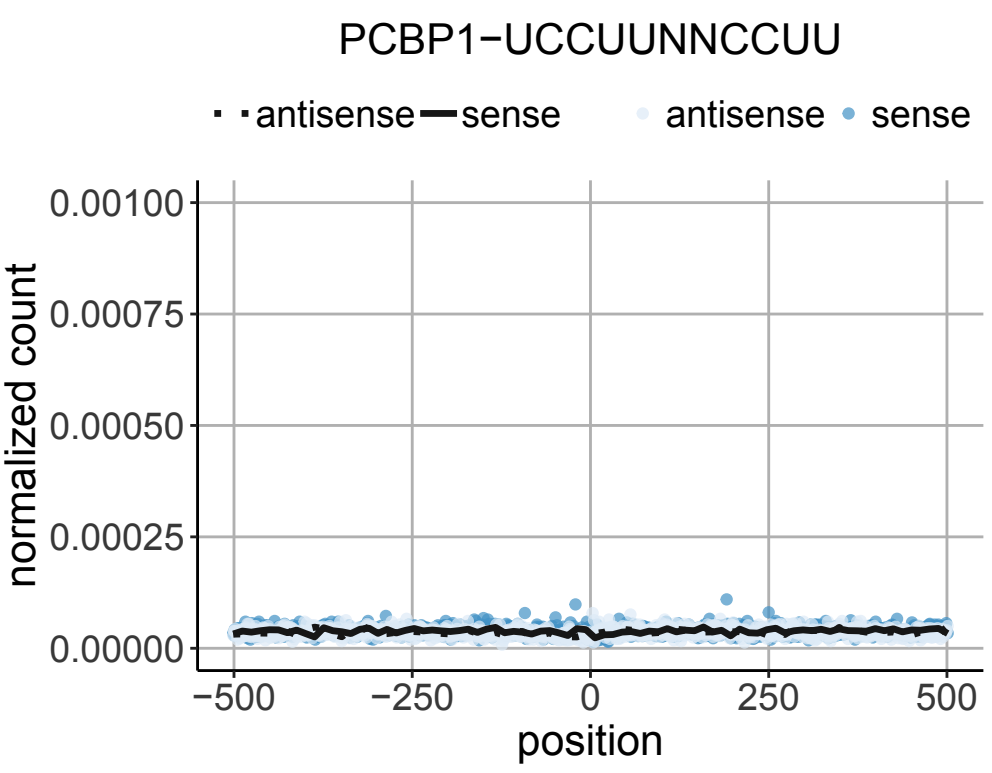
position


PCBP1−UCCUUNNCCUU
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antisense
sense
normalized count
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0
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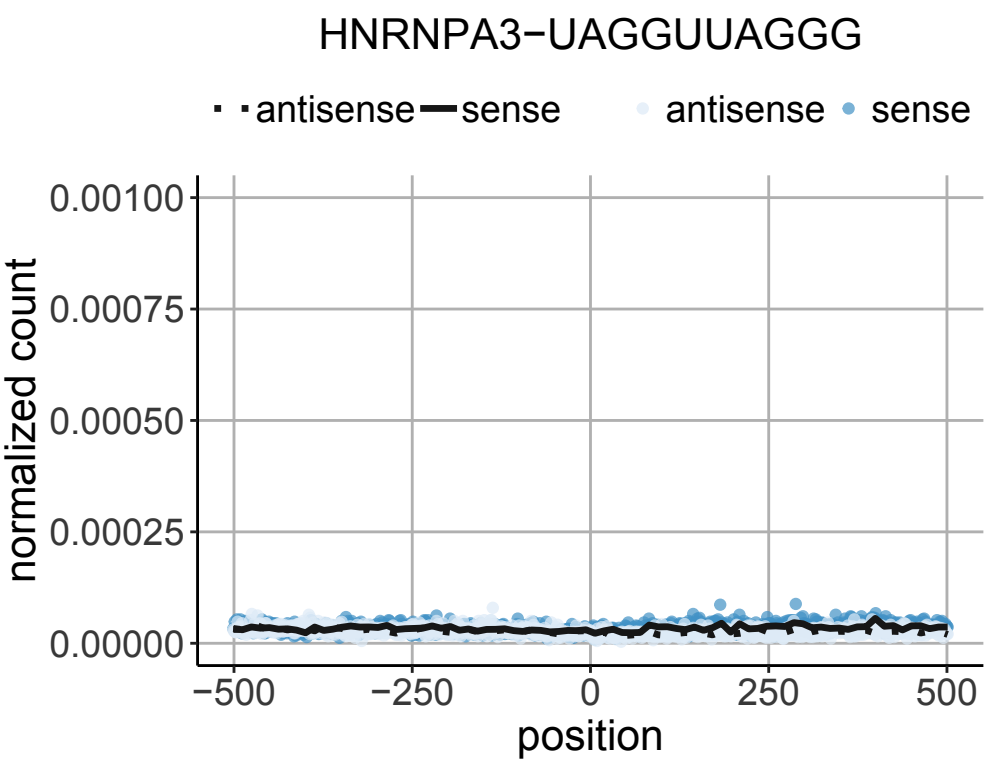
position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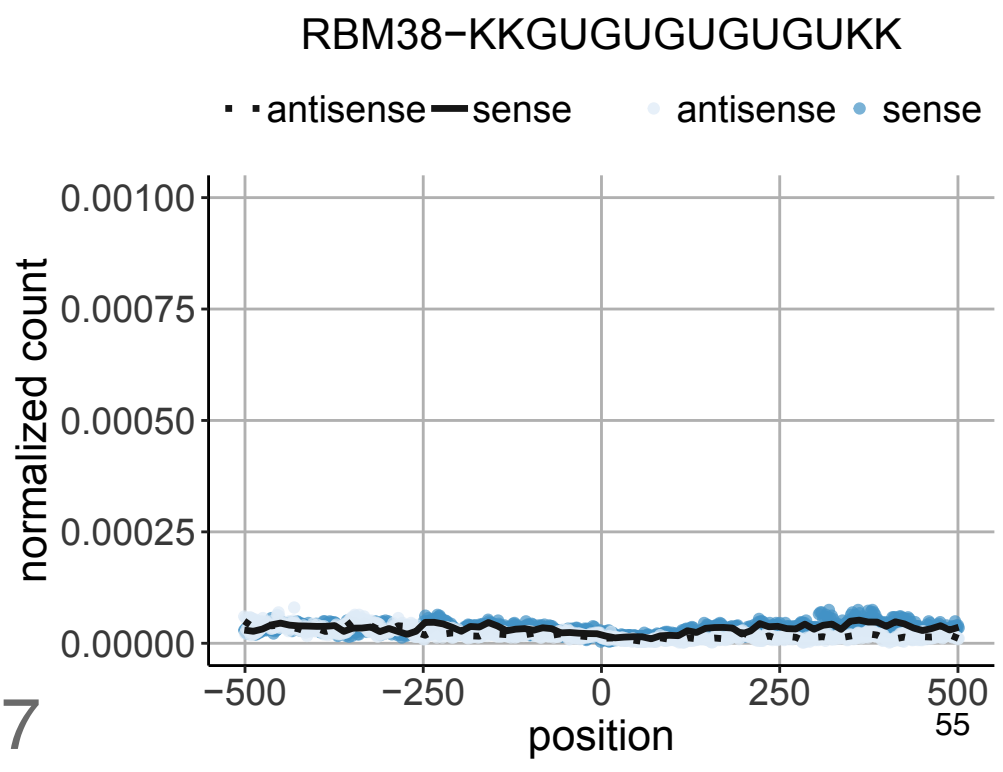
position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antisense
sense
normalized count
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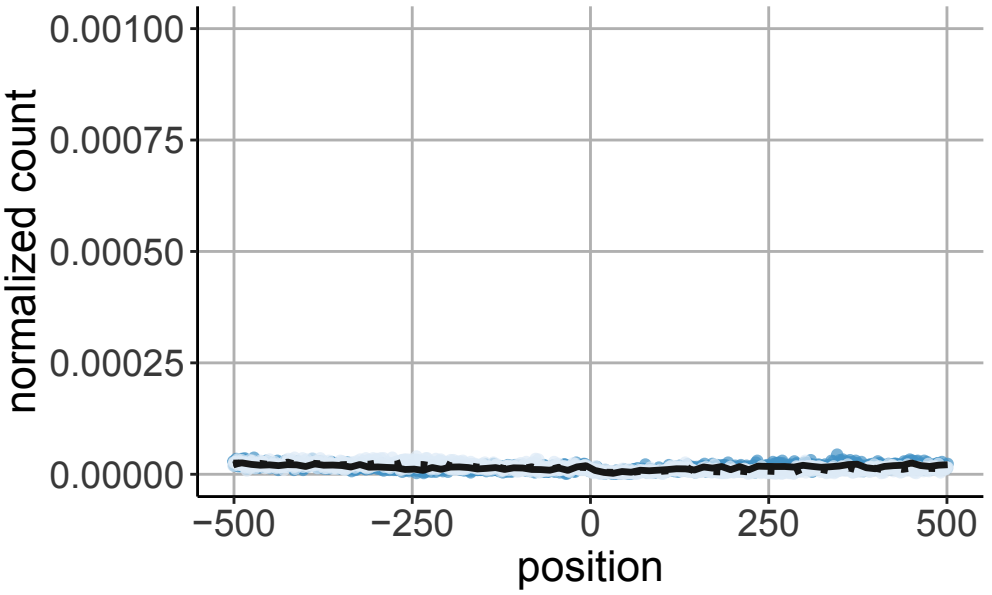
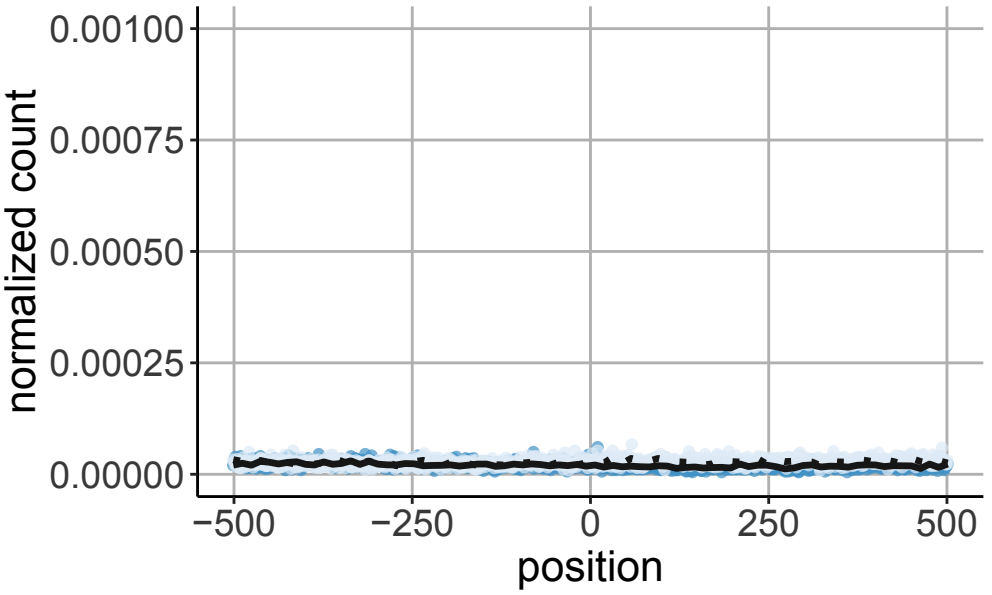
500
position

TSS

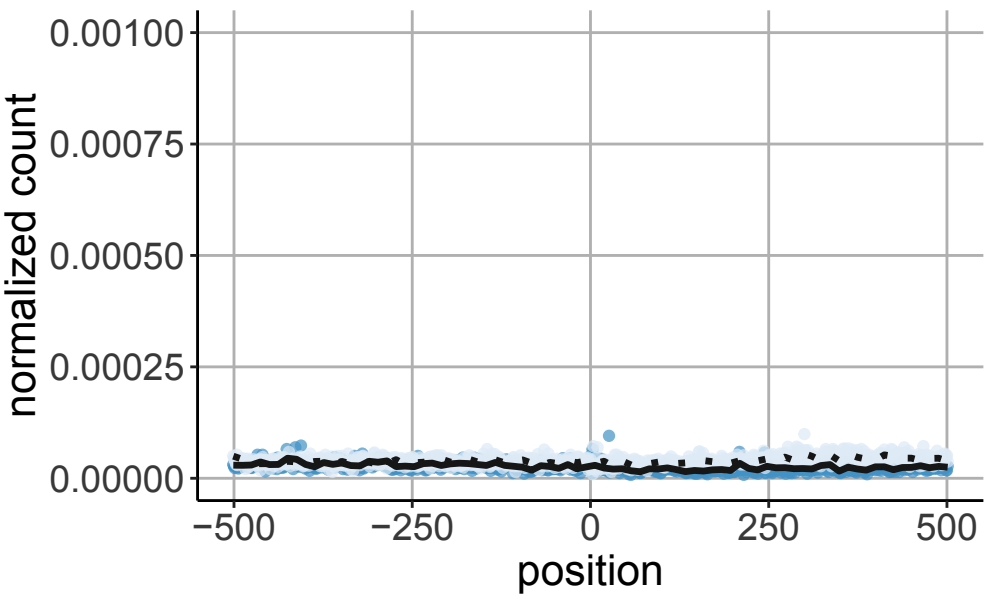
MEX3D−UNURUUUAUU



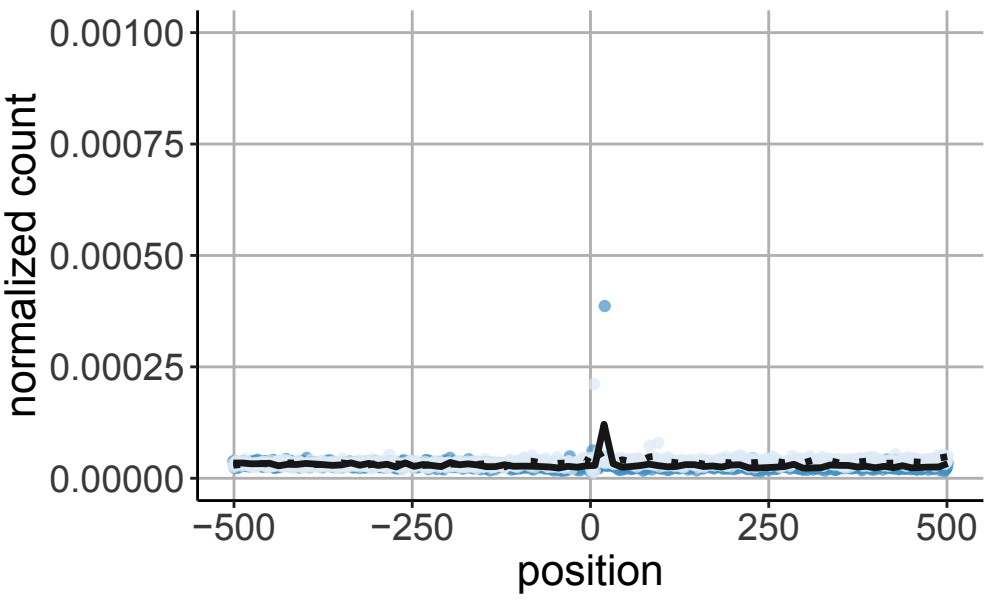

RBPMS2−CACAGNGCACA



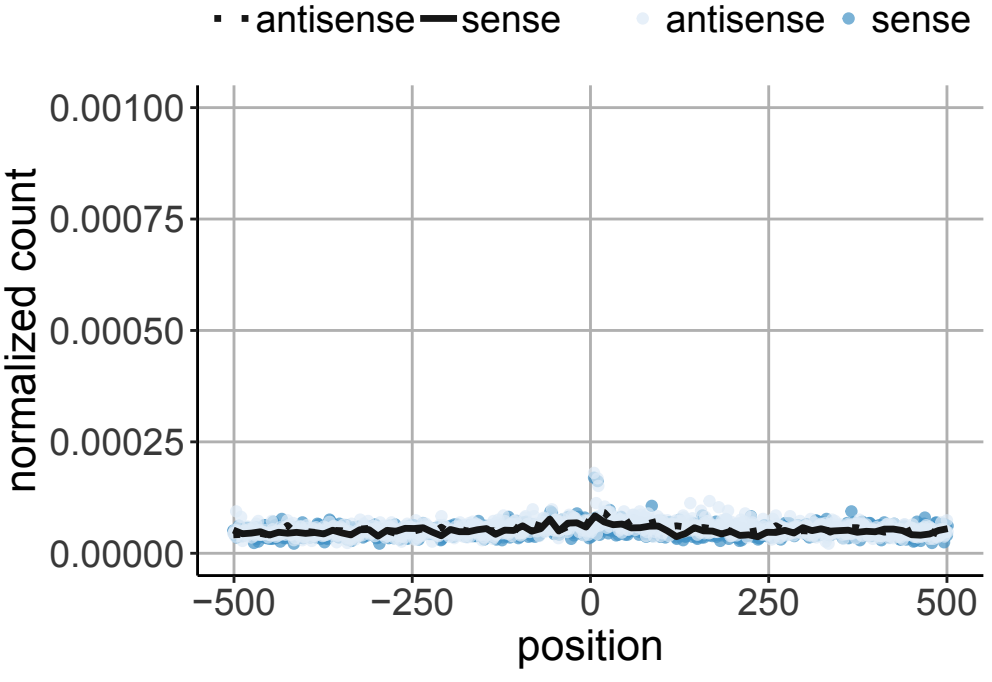

RBPMS2−UCACRUGCACA



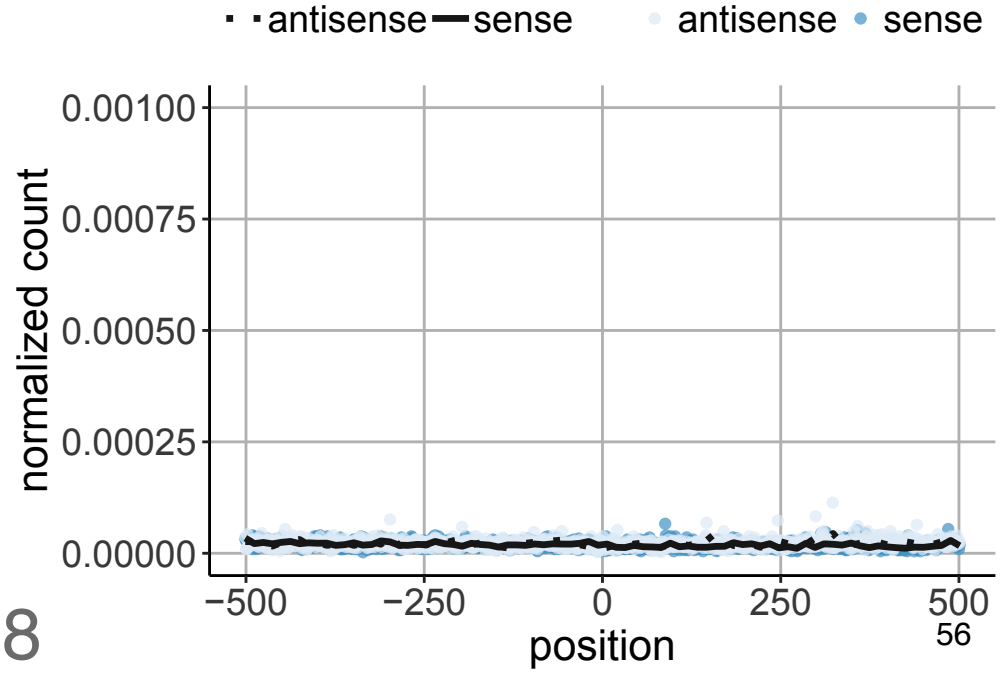

RBPMS2−UGCACA




YBX2−GCCAUNNNAUCGC




YBX2−NUAACAUCNN



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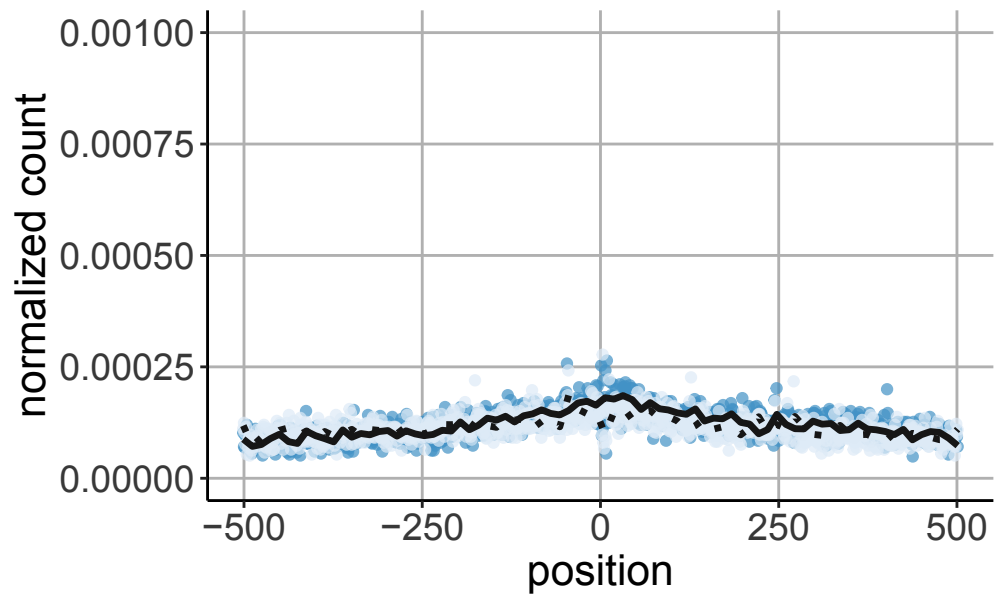
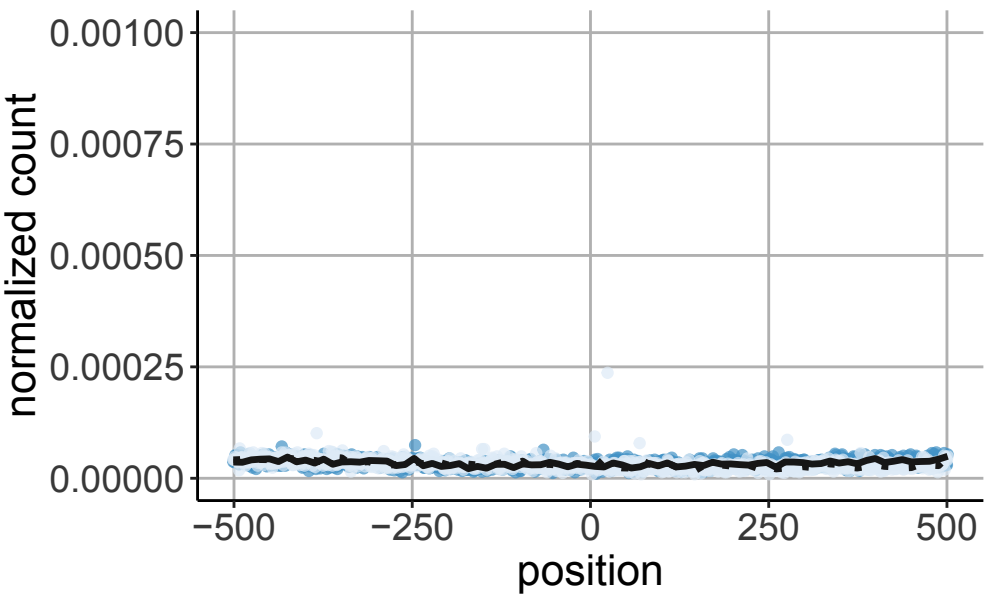



SNRNP70−GNUCANGNNG

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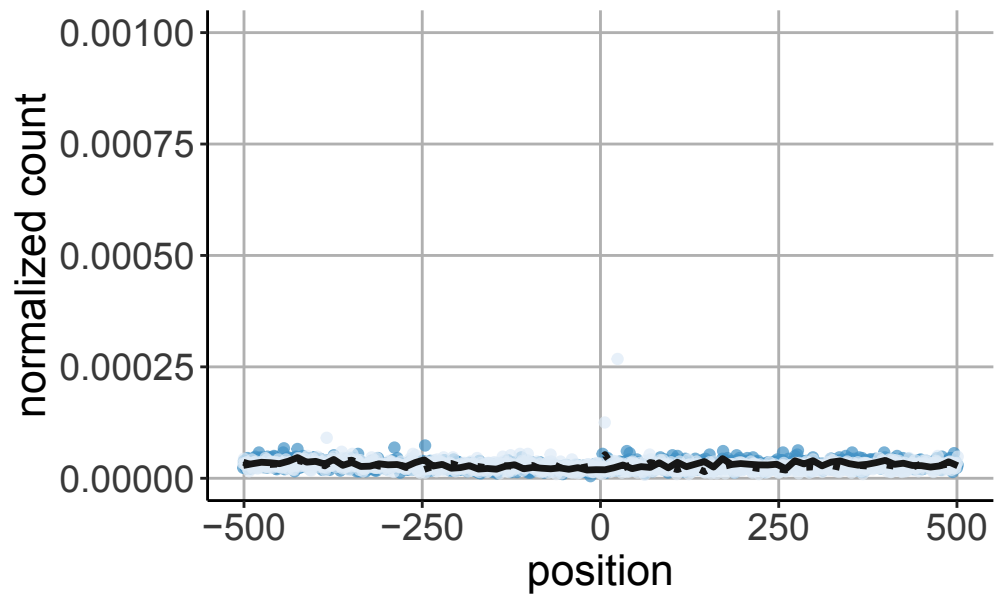
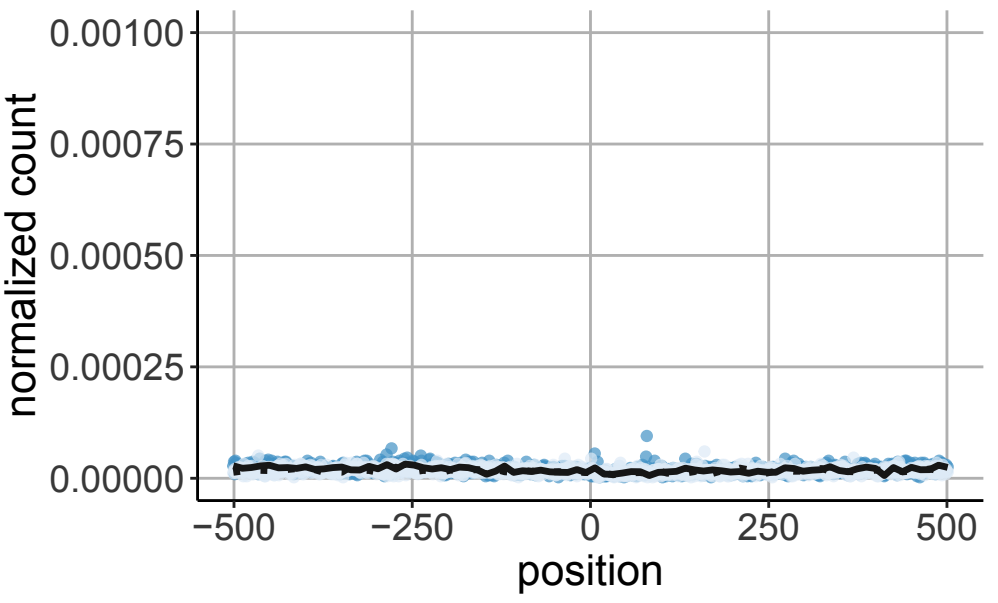
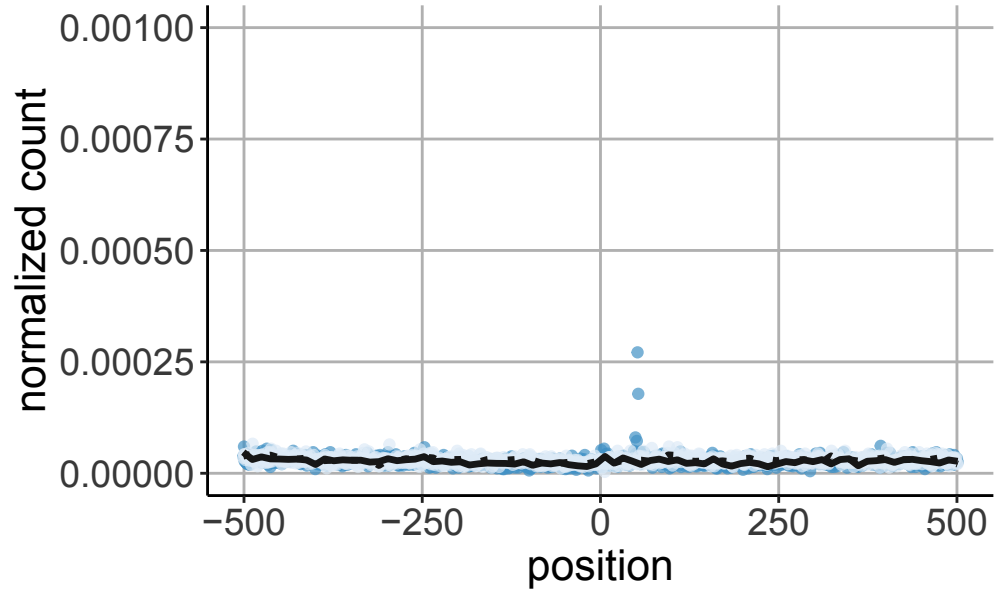


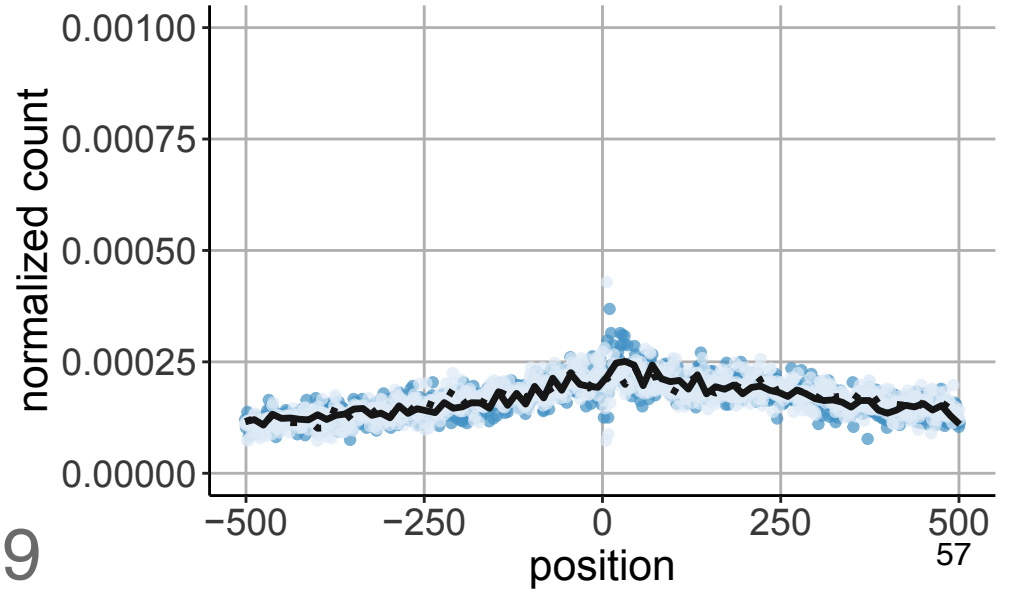

DAZ4−GYUCUAGUUAGYAUC




IGF2BP1−CAGNUWCA




HEXIM2−NGCGACGGKN



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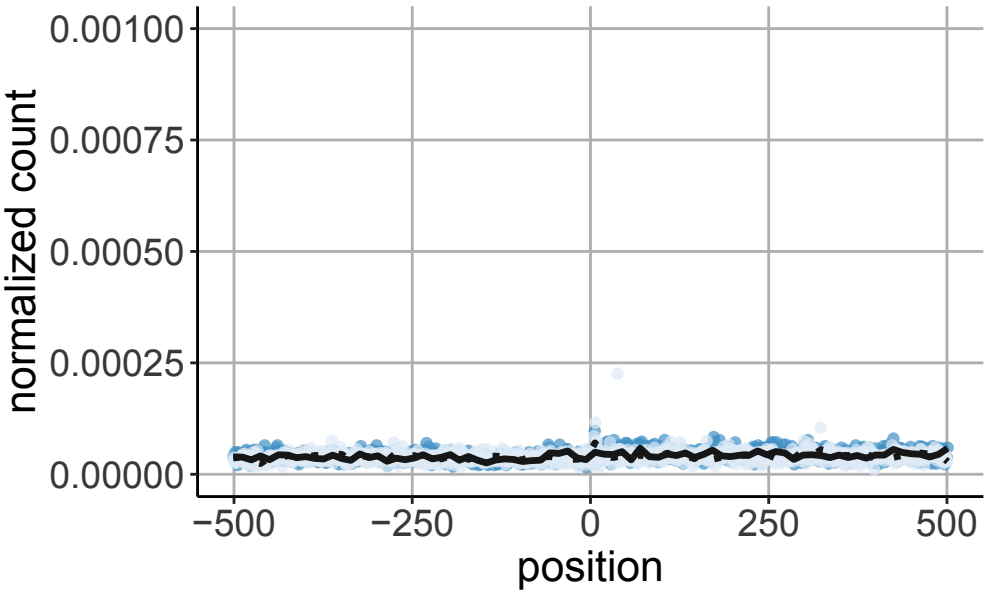
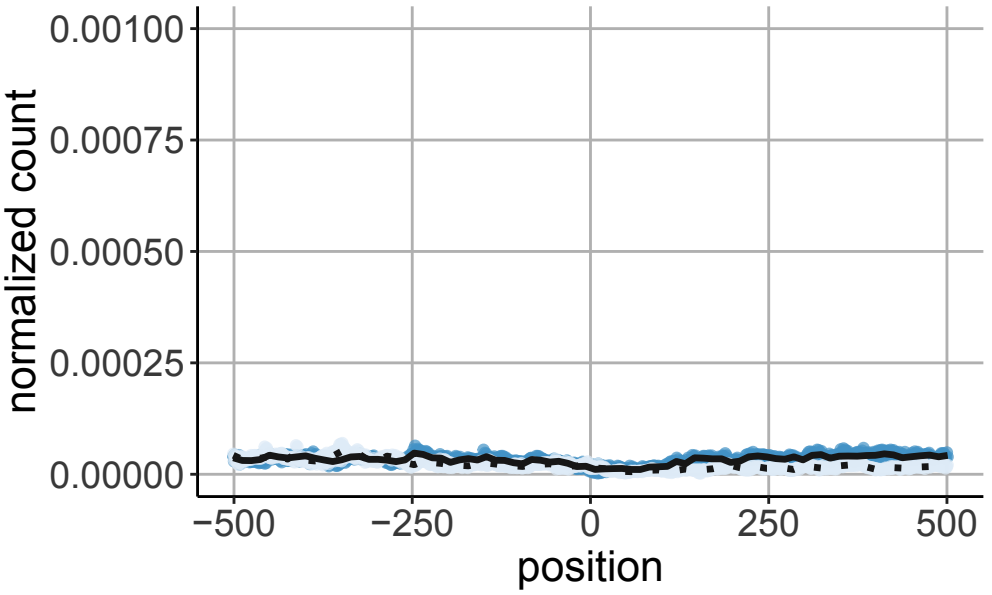
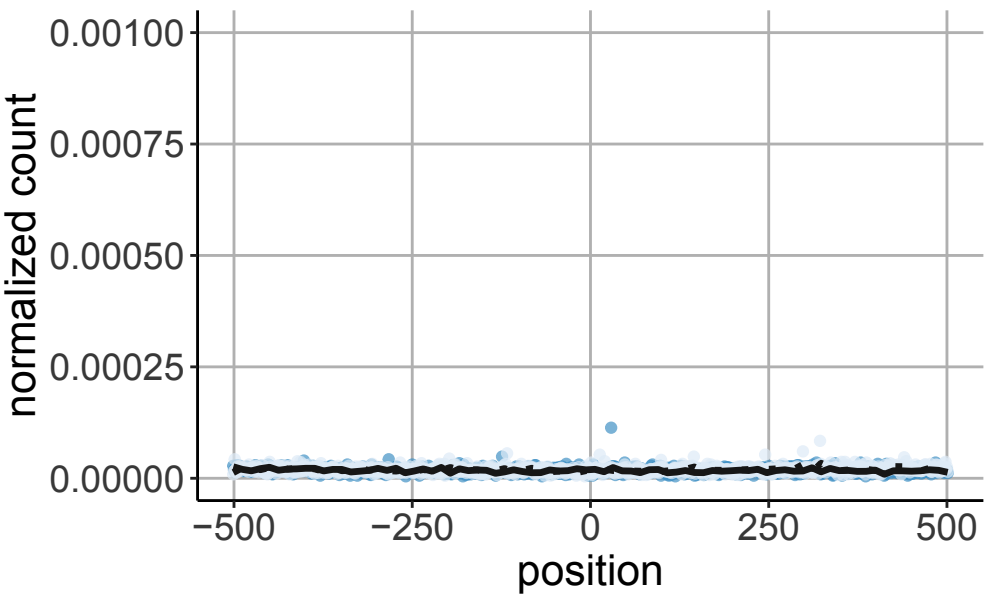
YBX1−NUAACAUCGGG




RBM24−GUGUGNGUGUG




CSDA−UAACAUCA

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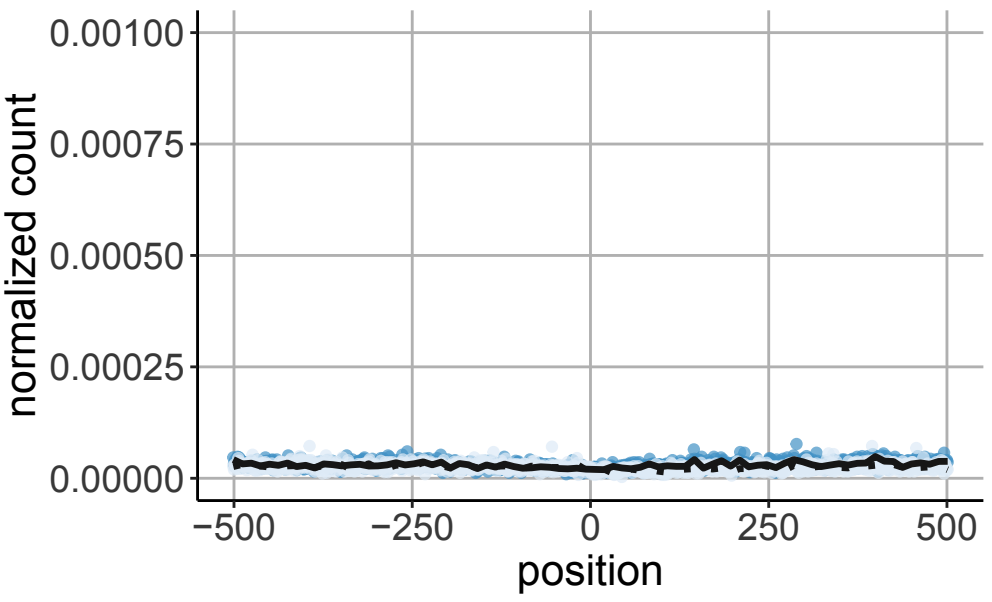


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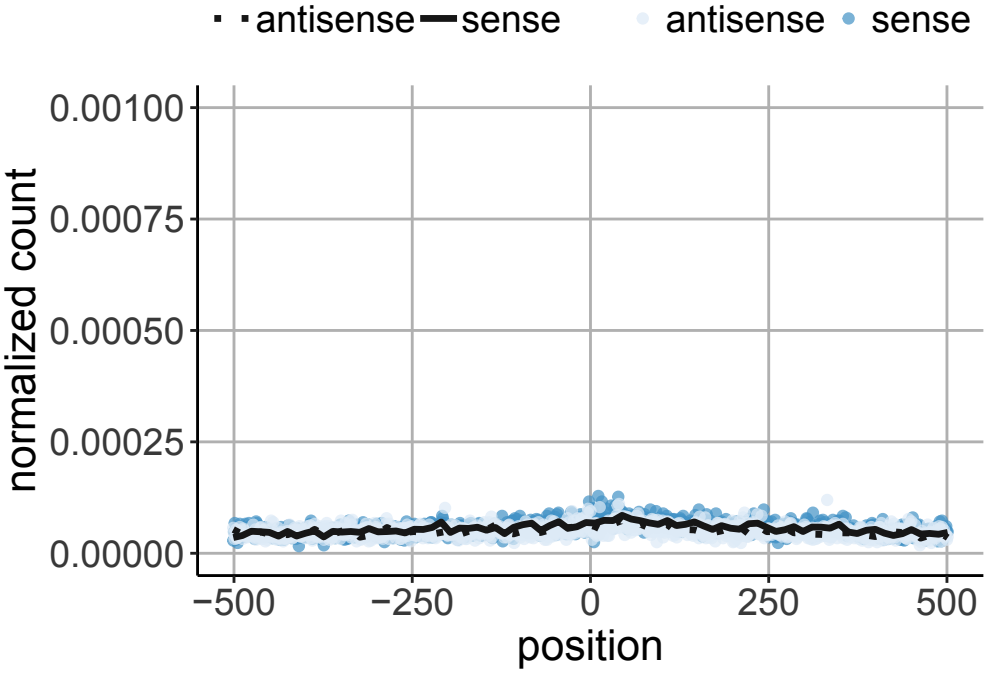


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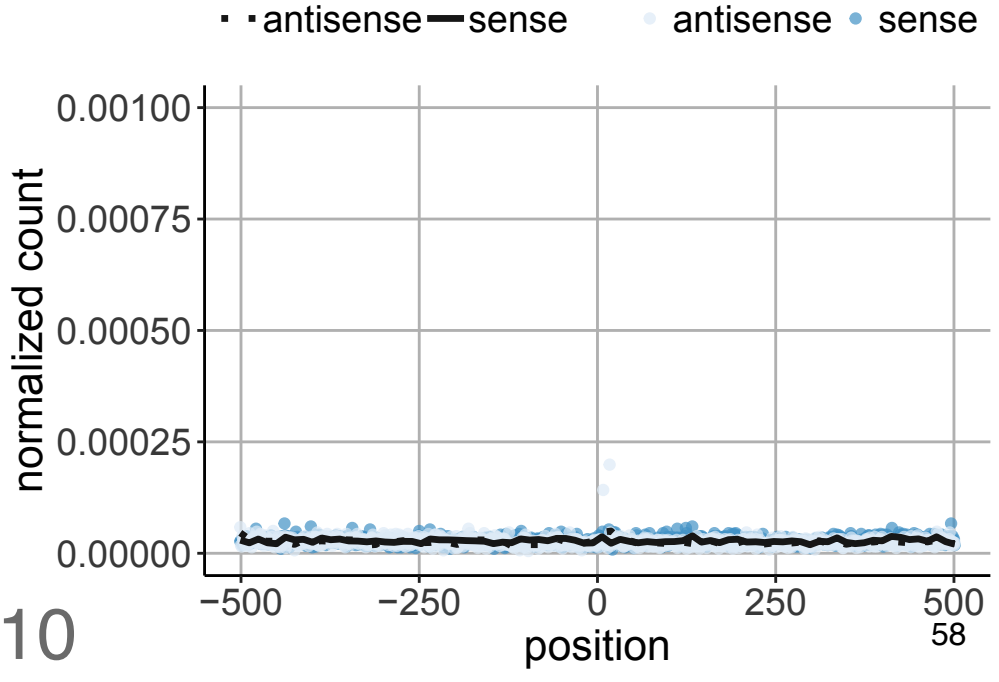

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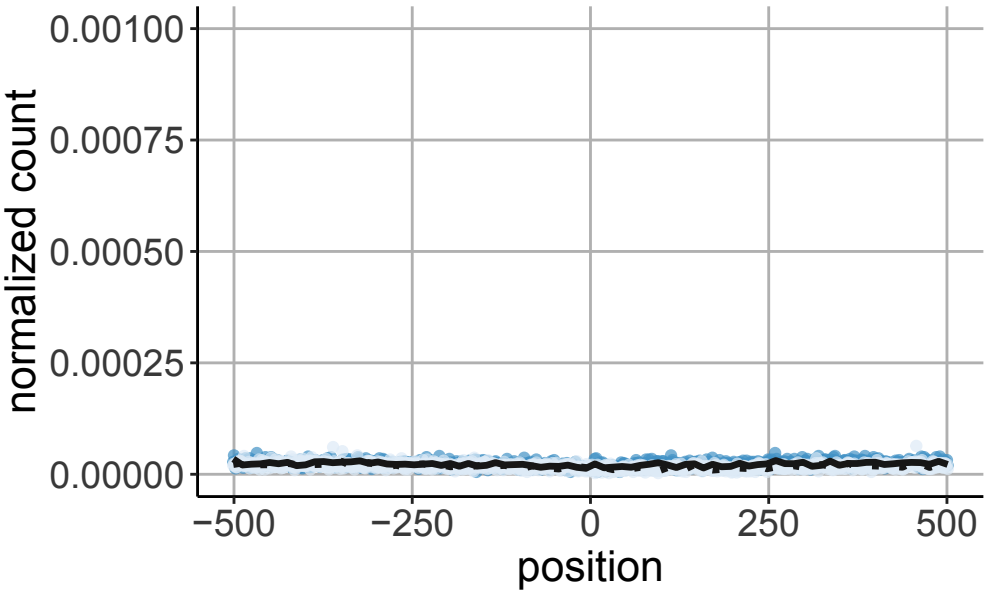
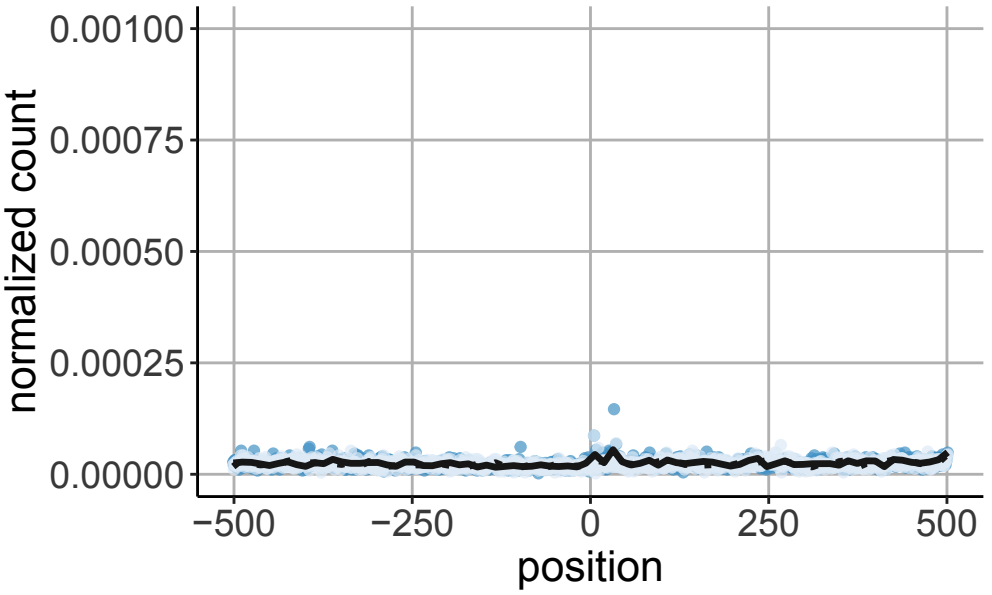
DAZAP1−UUAGGUUAGG




CARHSP1−GCCAUGAUCAUGAU

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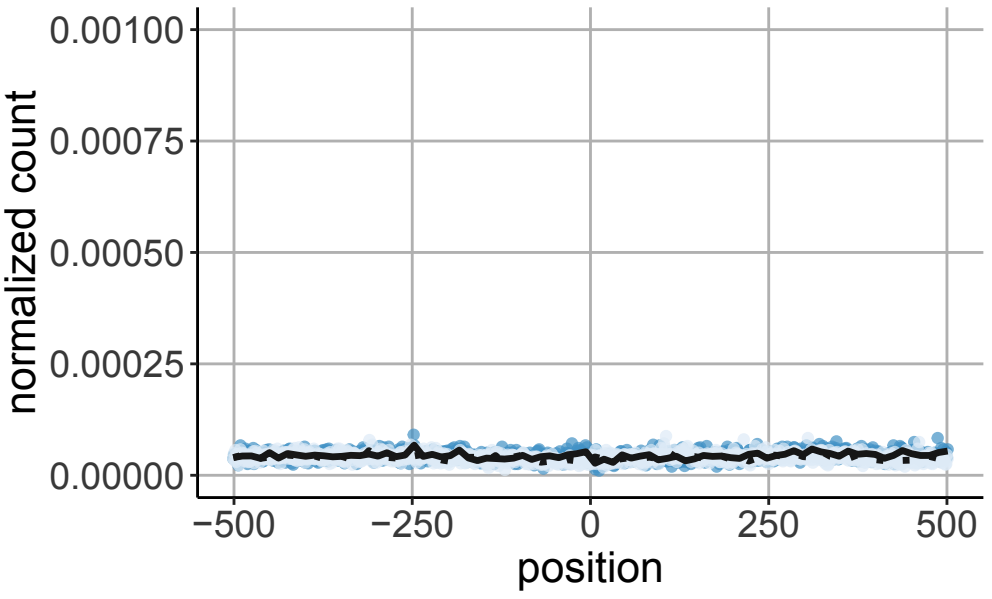


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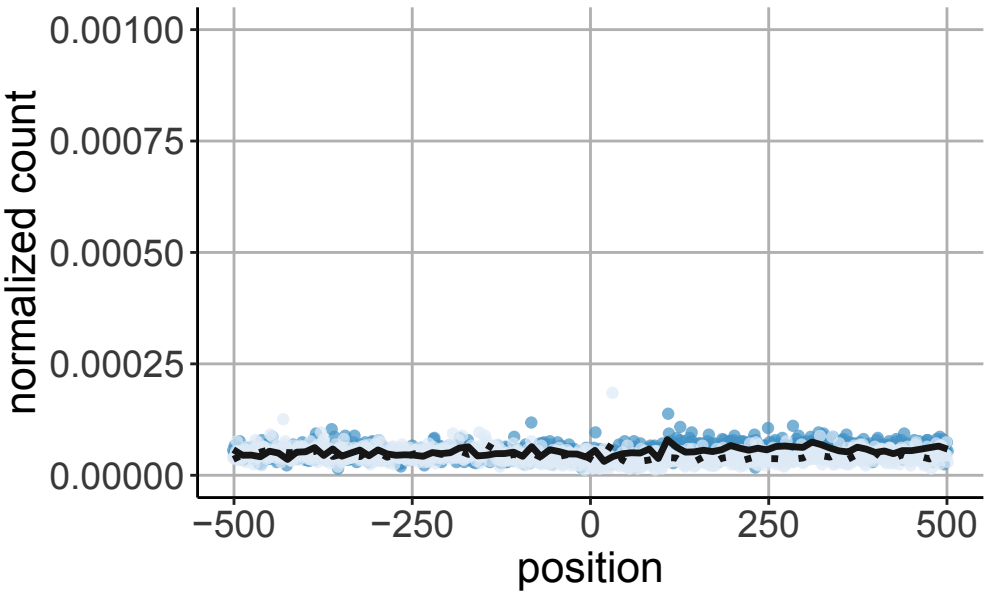
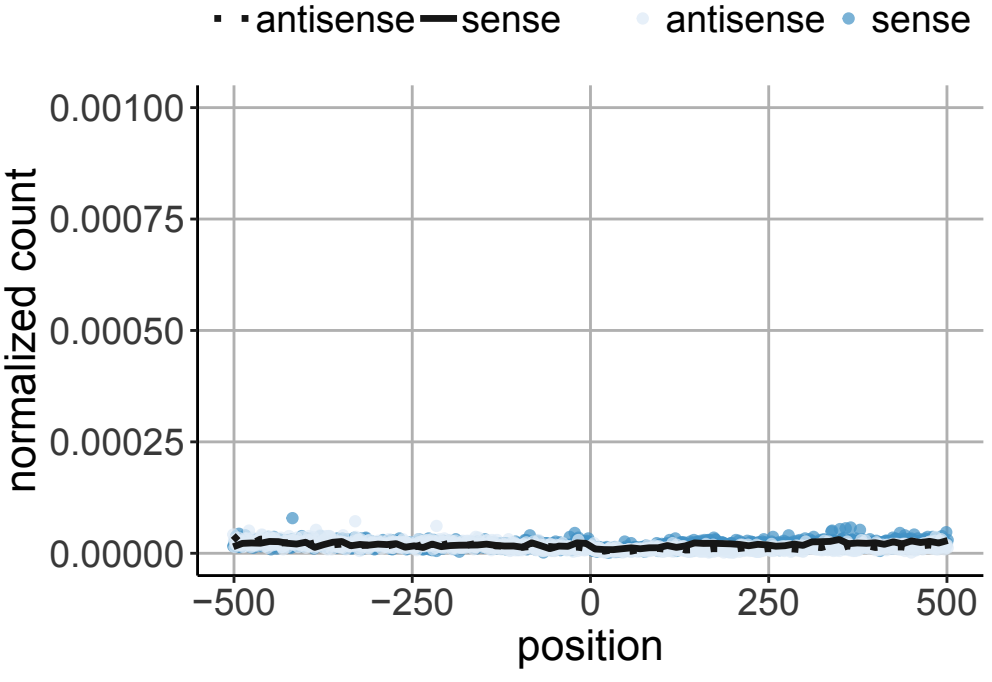
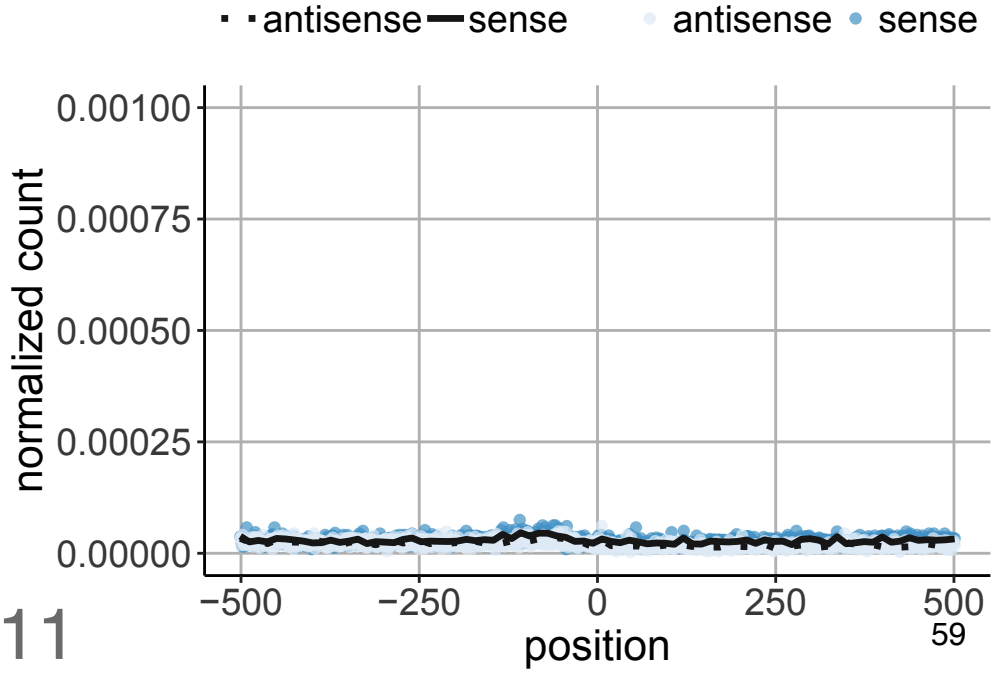



ELAVL1−UUUAUGNUUU




RBM46−GUGAUUG



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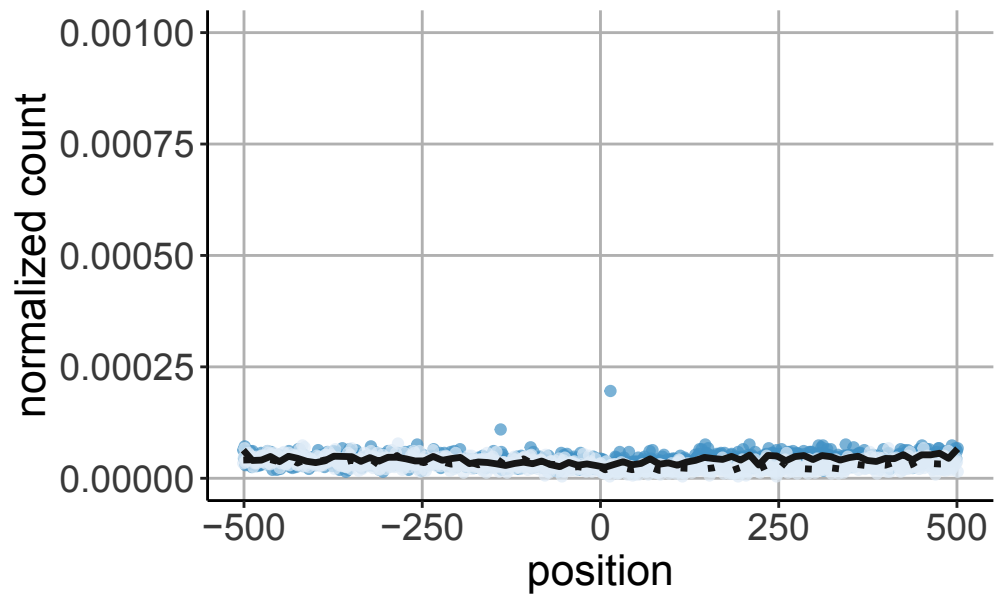
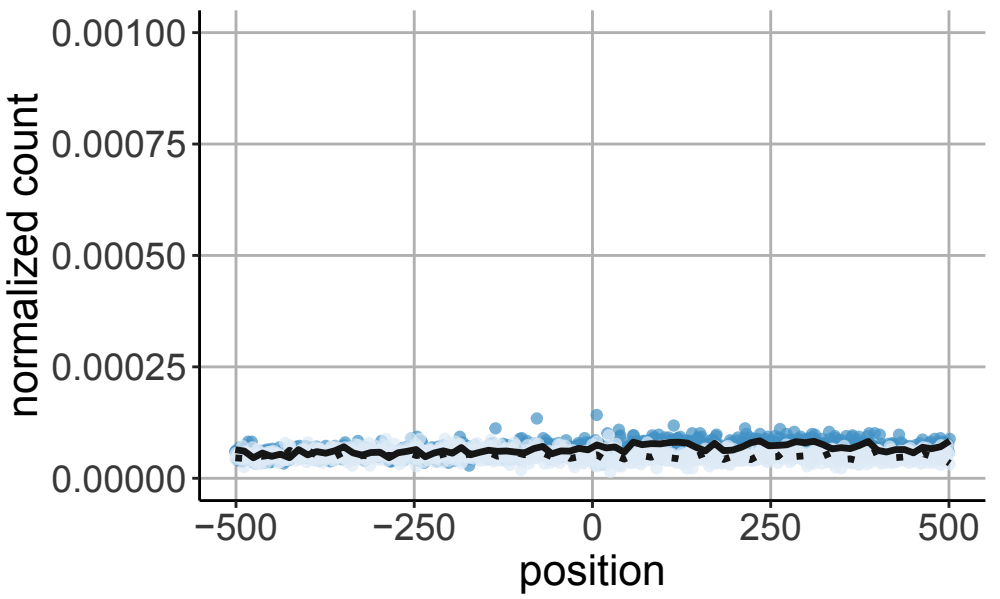
ESRP1_3−GGUGUGGUGU




SNRPB2−GGGUGUGCAC

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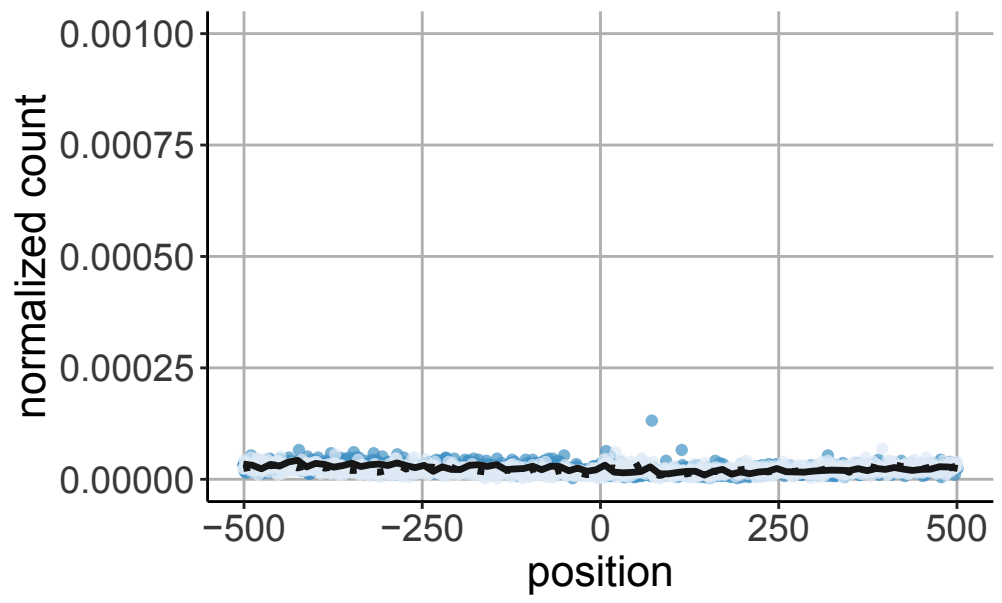
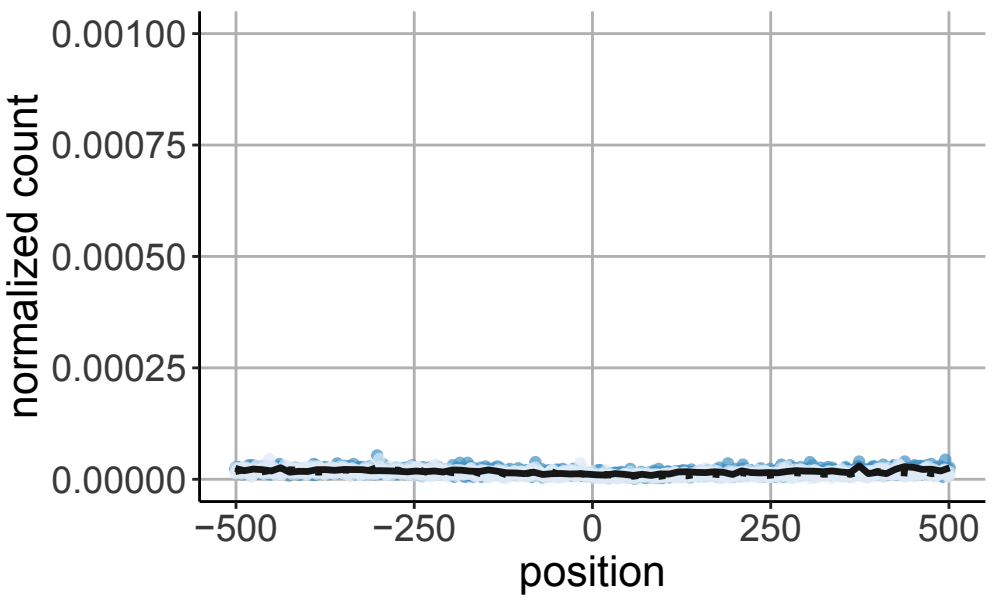



MEX3C−NNAGAGUUUAUNN

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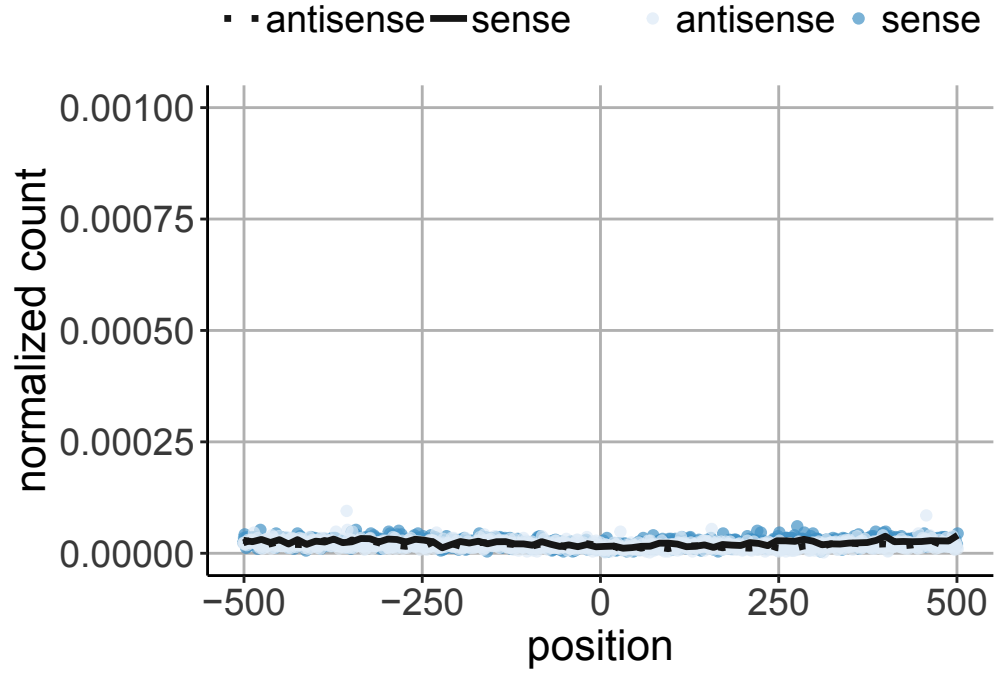
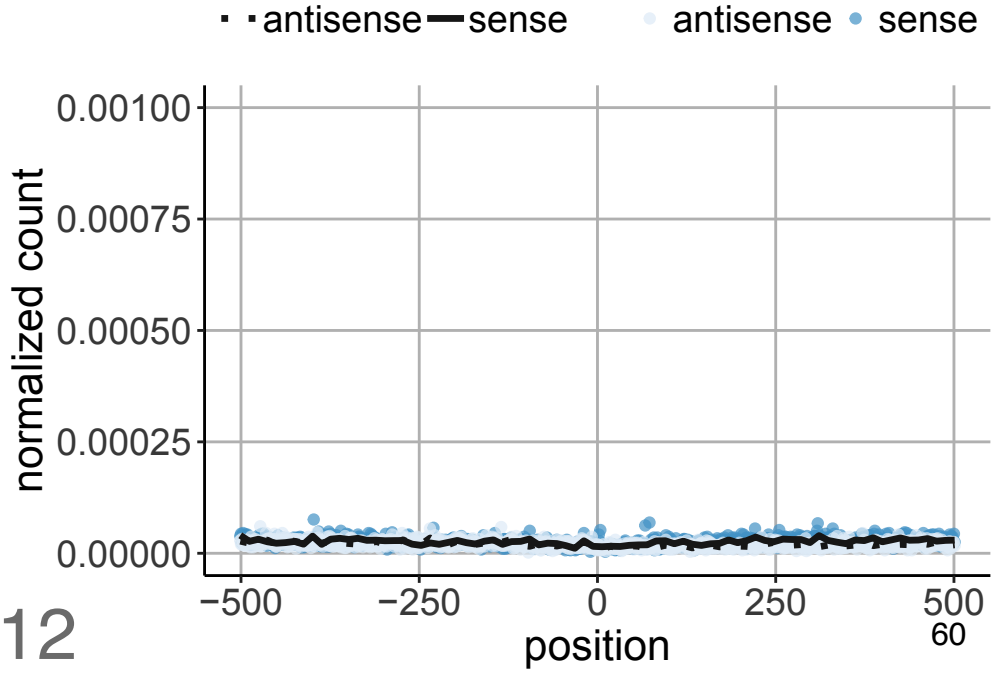



HNRNPA0−KUAGKUUUAGGK



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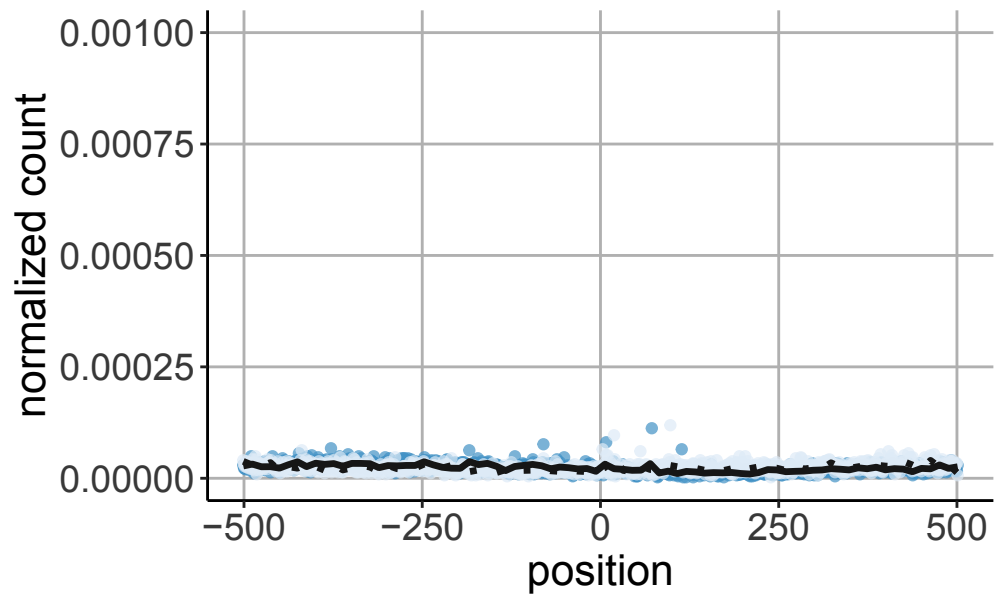
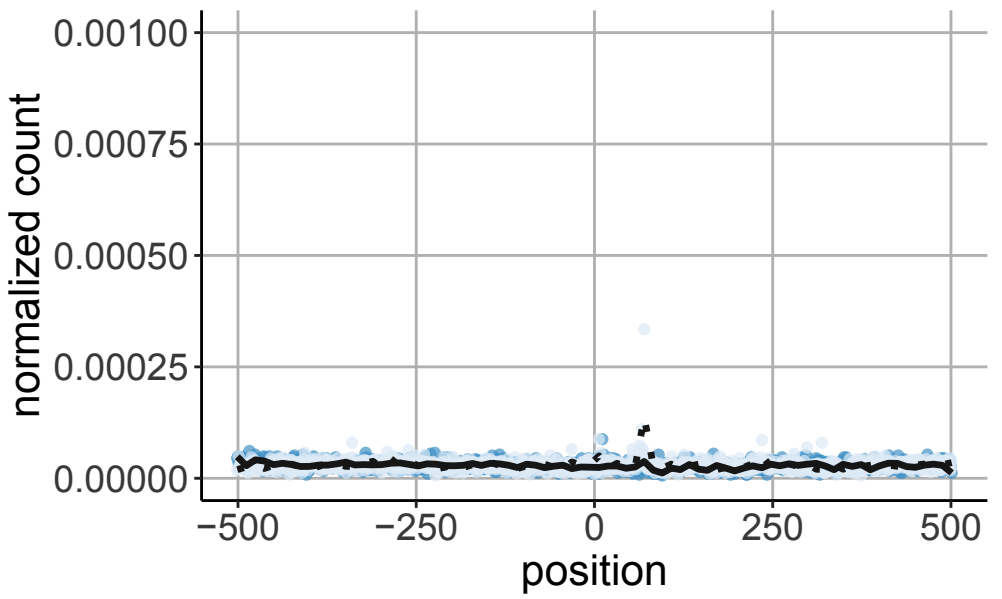
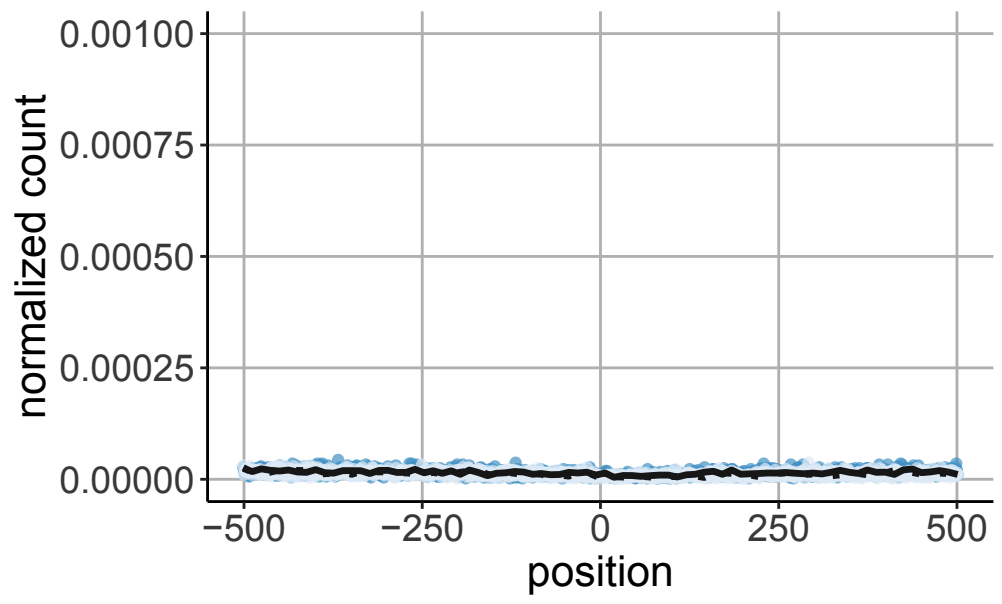
SNRPA−CAUUGCACN



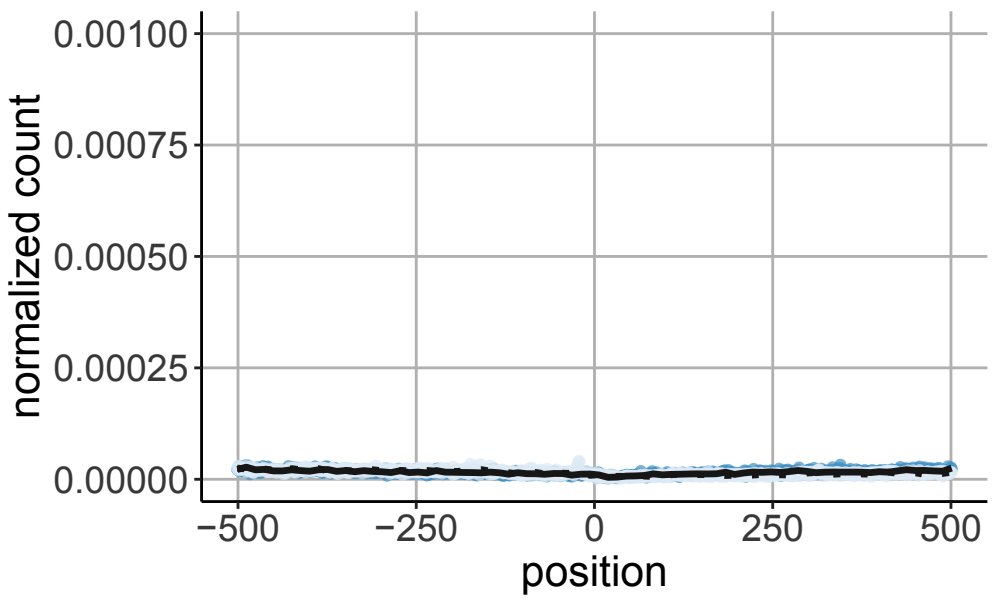

SNRPA−NUGCACR



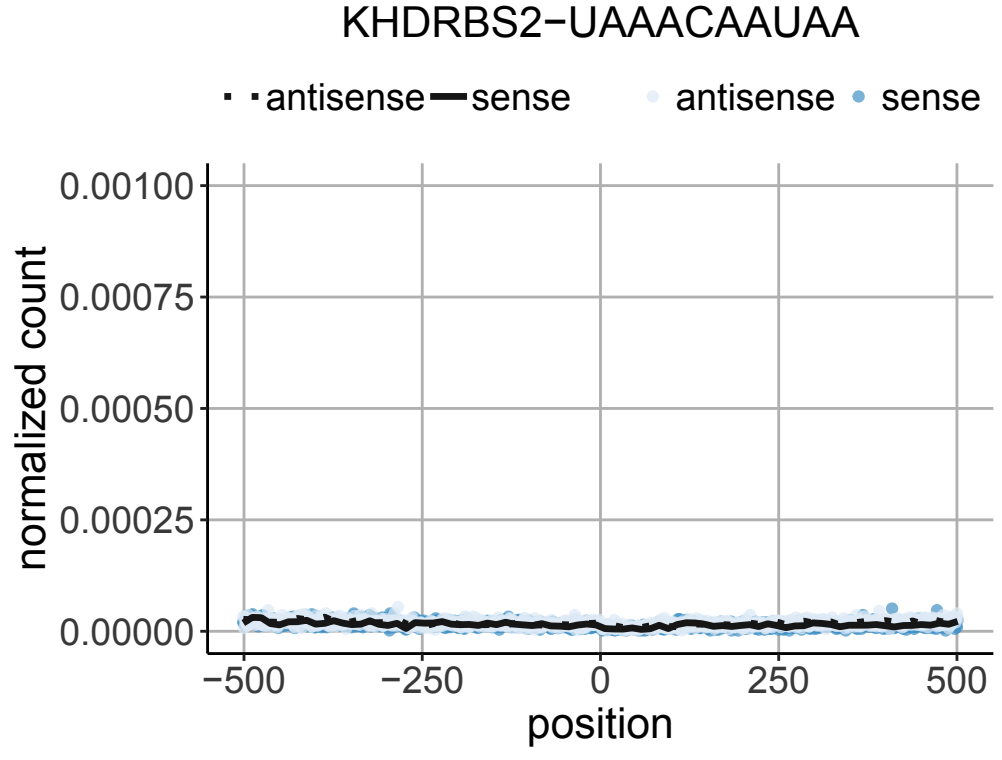

MEX3B_3−UAGAGUUUAU



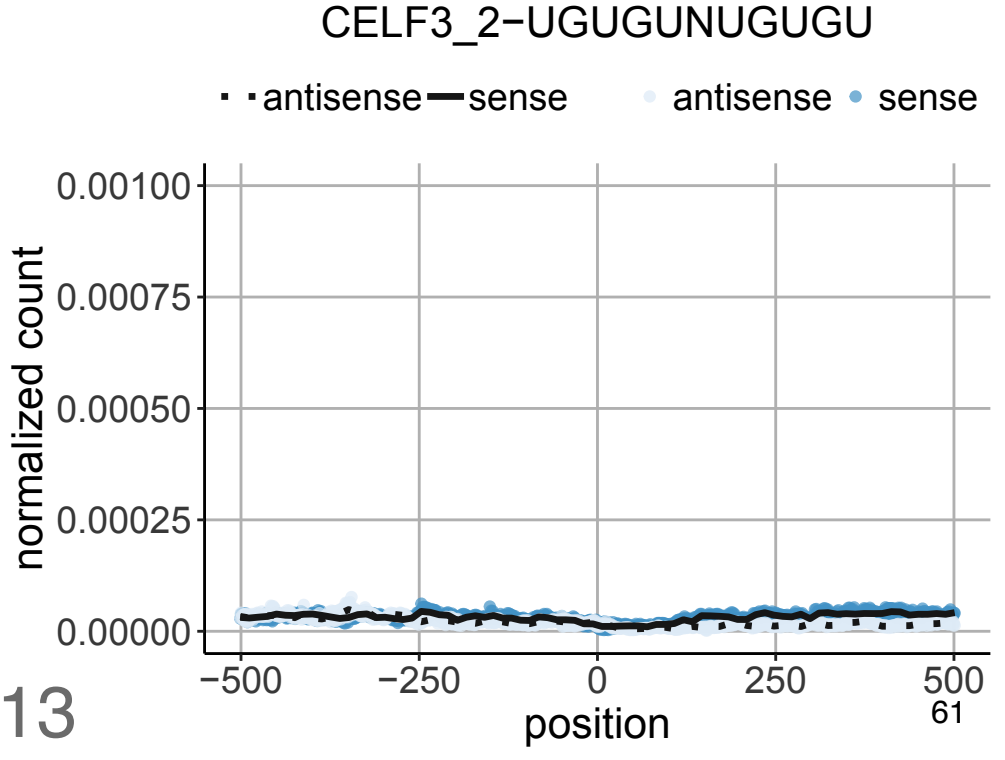

MEX3B_3−UAUUUAU




KHDRBS2−UAAACAAUAA




CELF3_2−UGUGUNUGUGU



TSS

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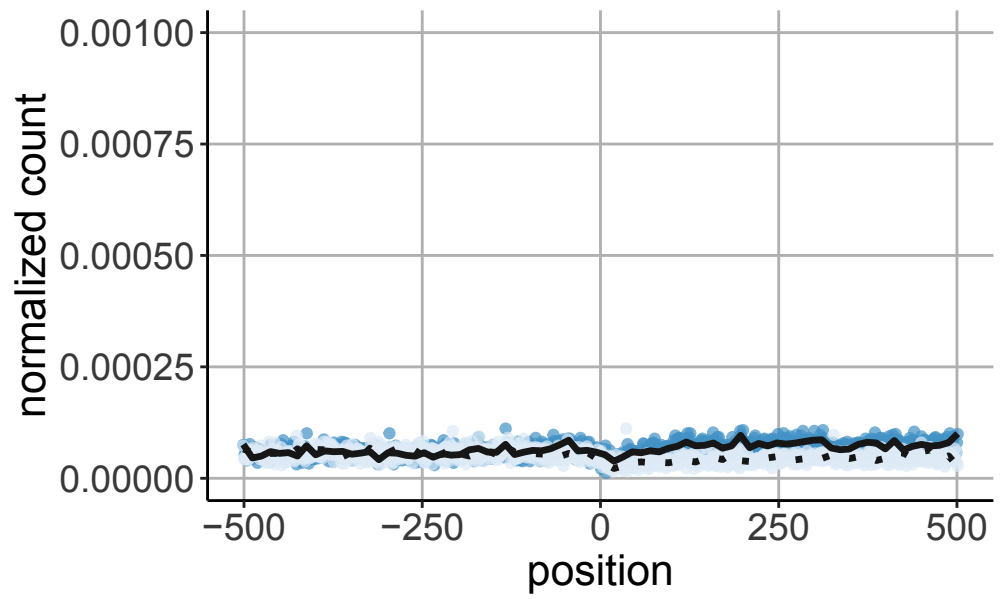
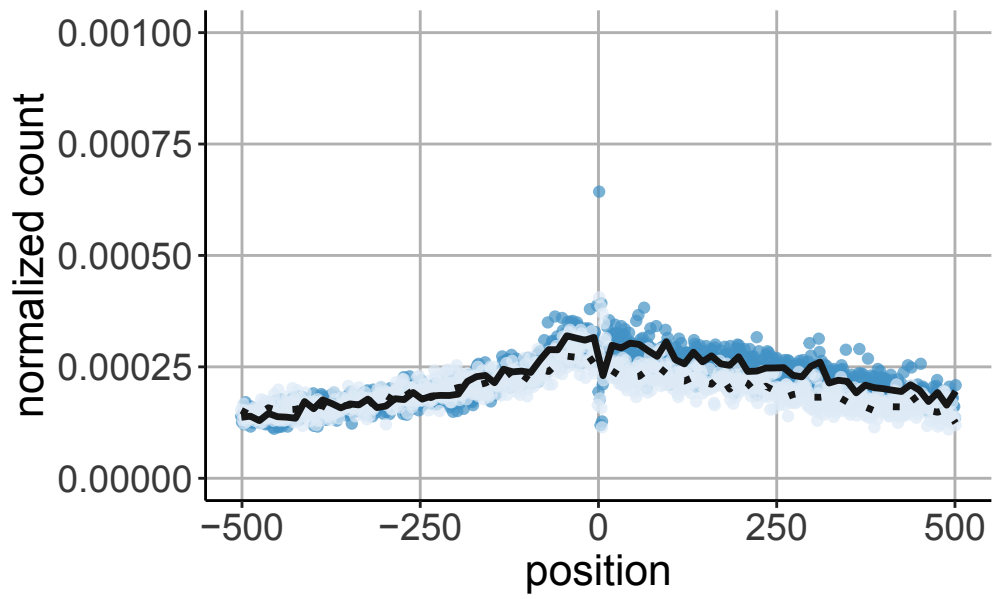
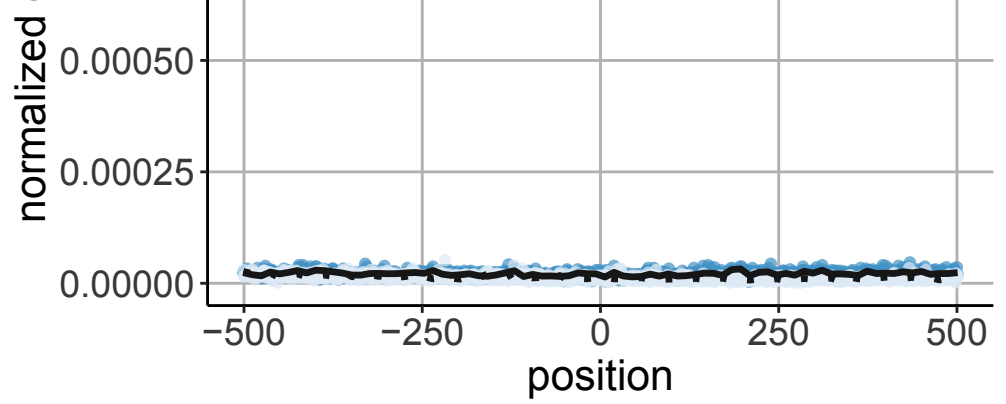



RBM14−UGCGUCG




CELF4−UGUGUUGUGU

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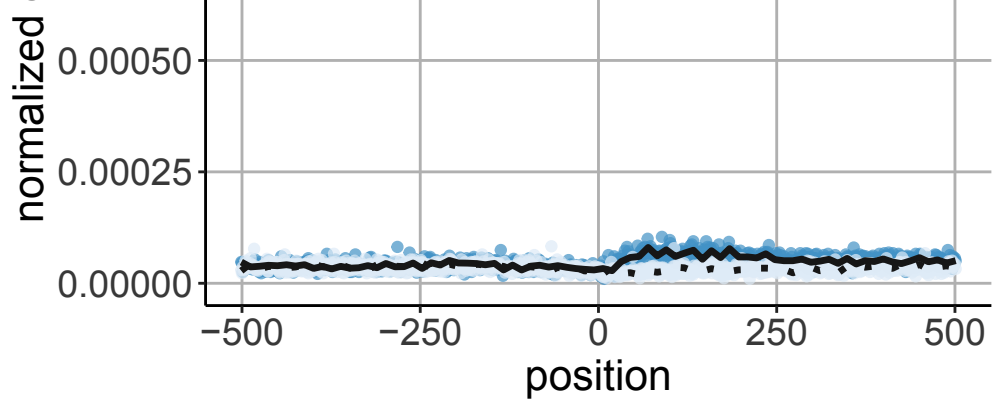
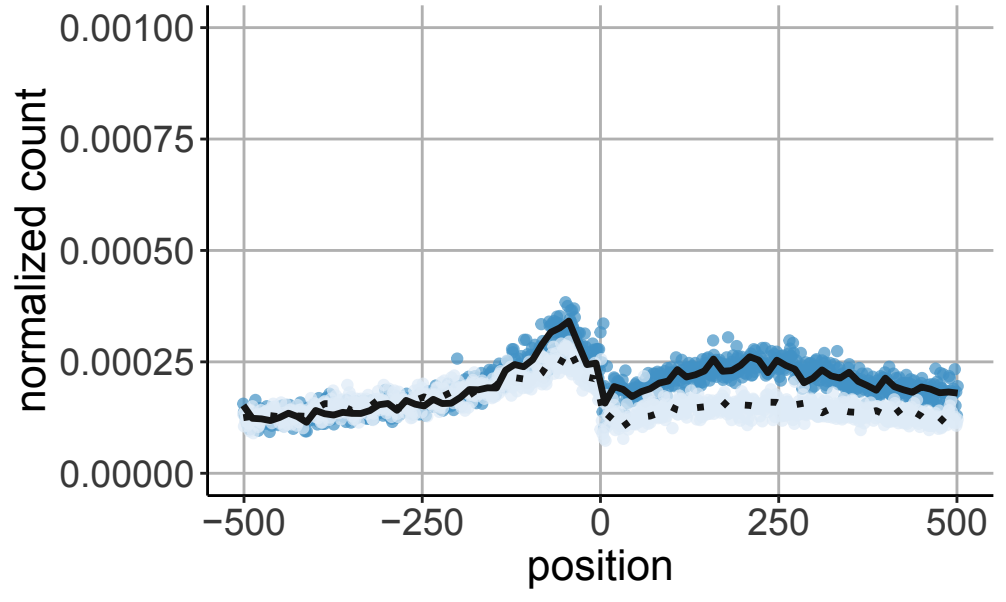
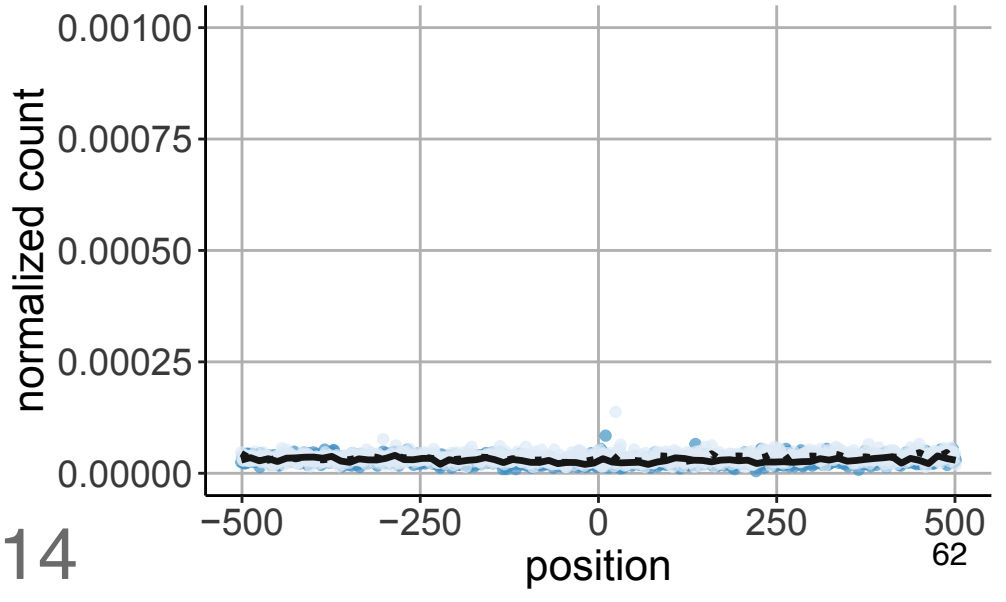



RBM4−CGGGGURUGN




RBPMS−NAGGCACR



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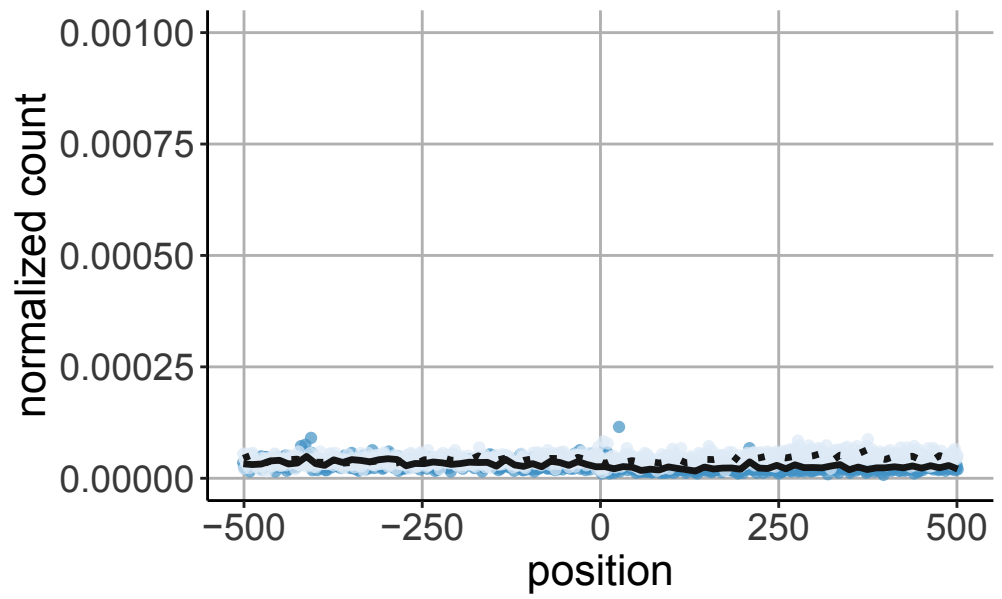


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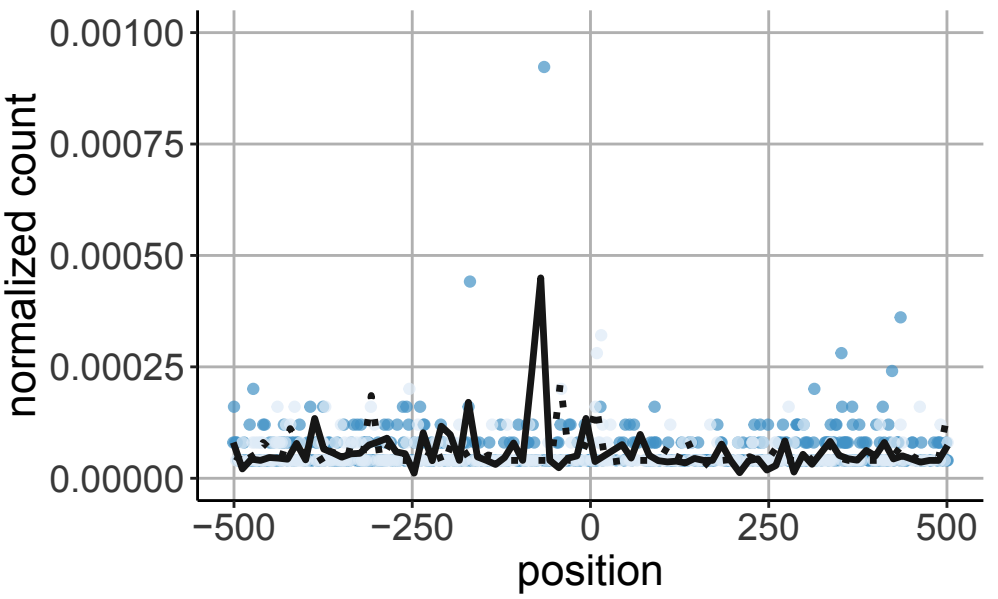


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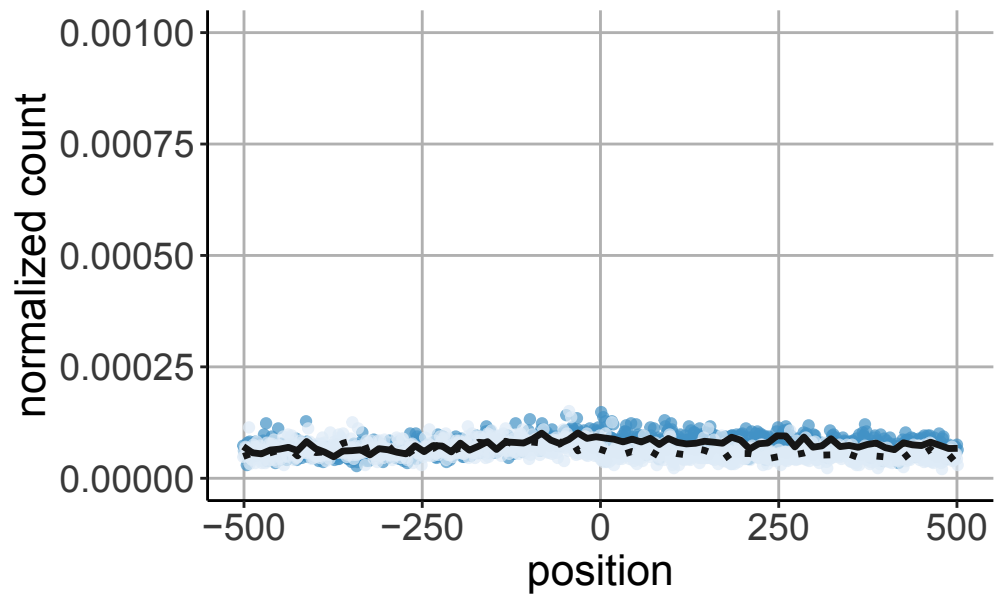


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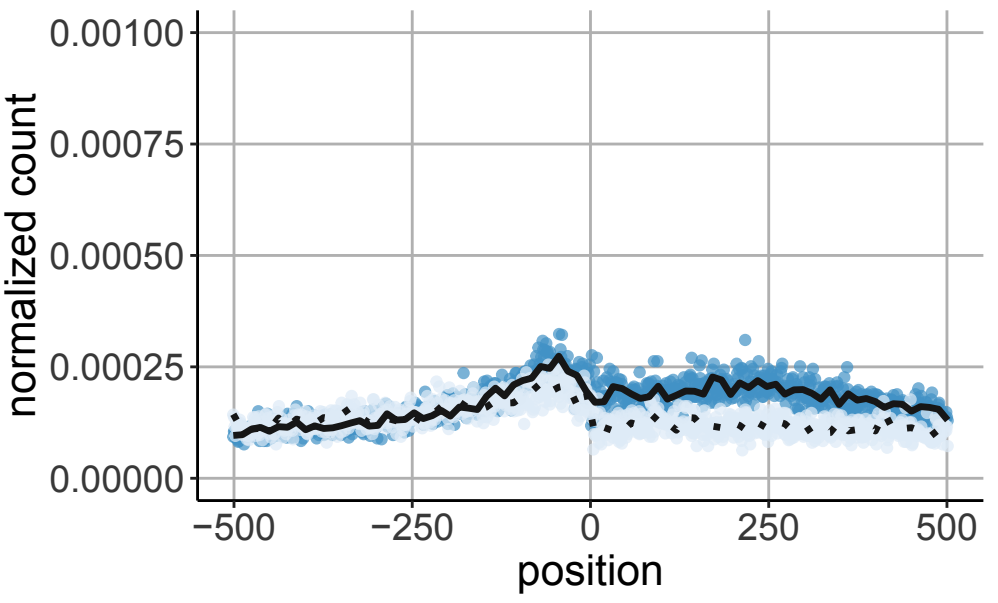


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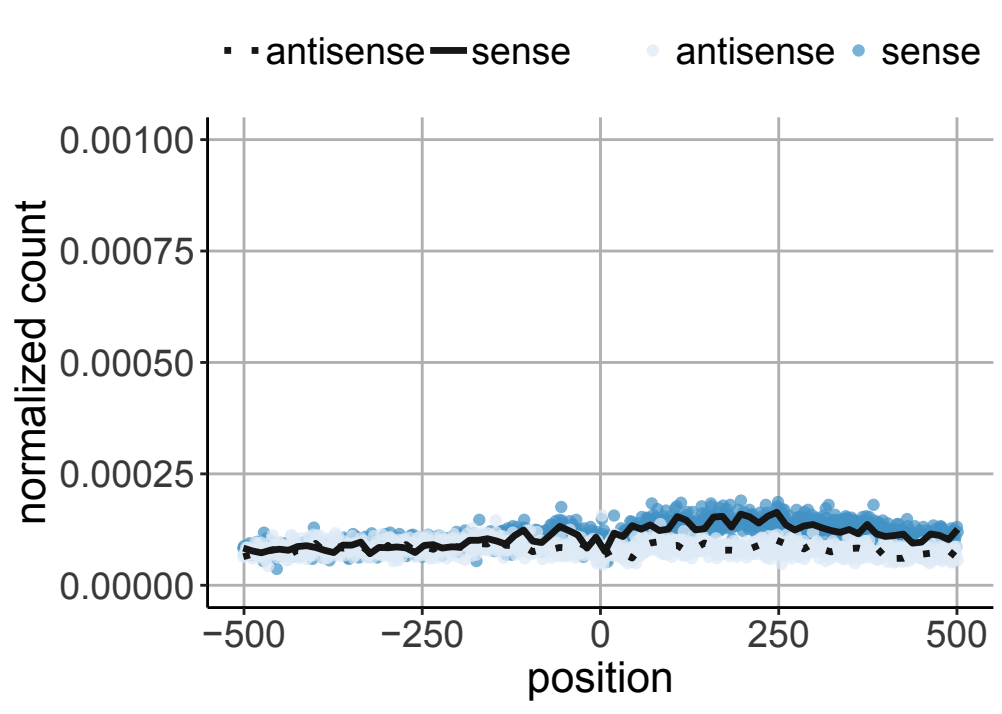


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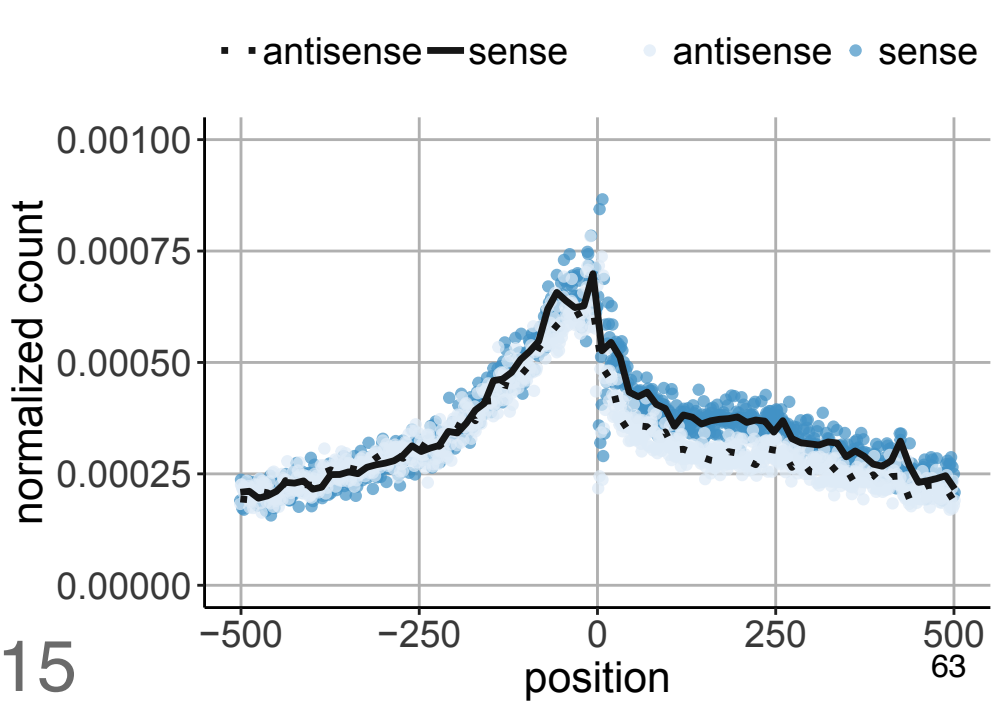

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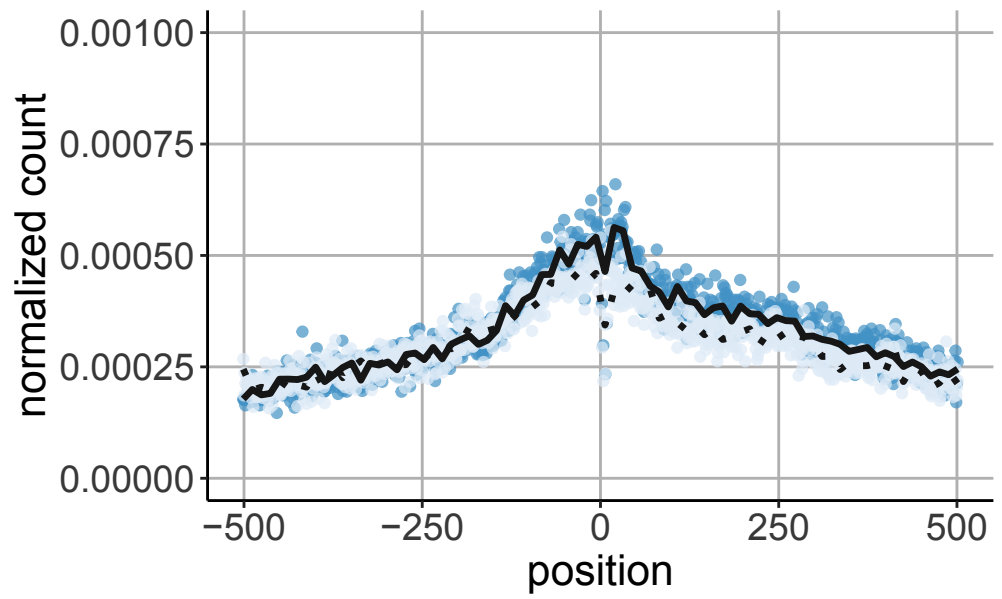


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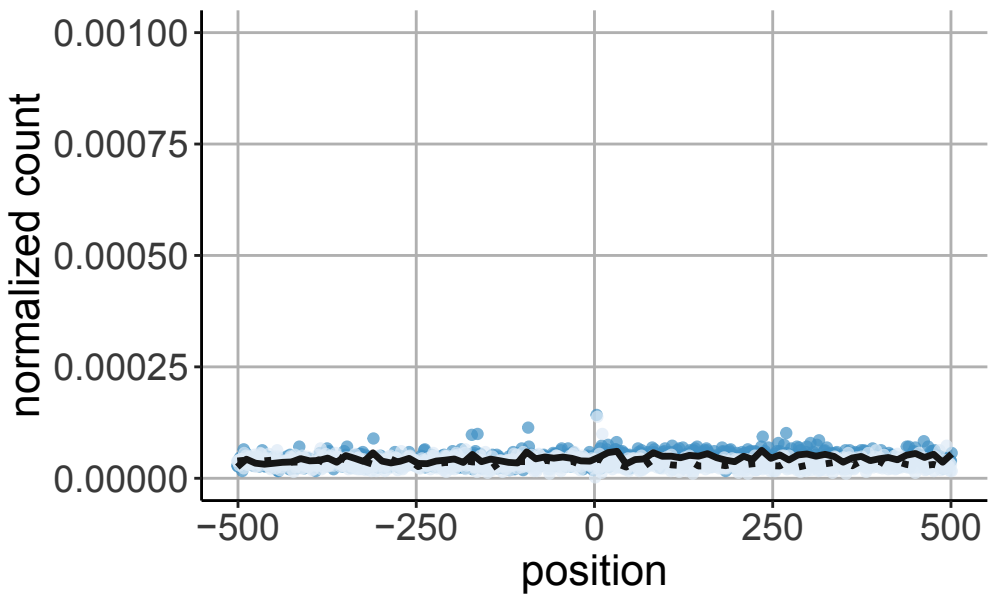


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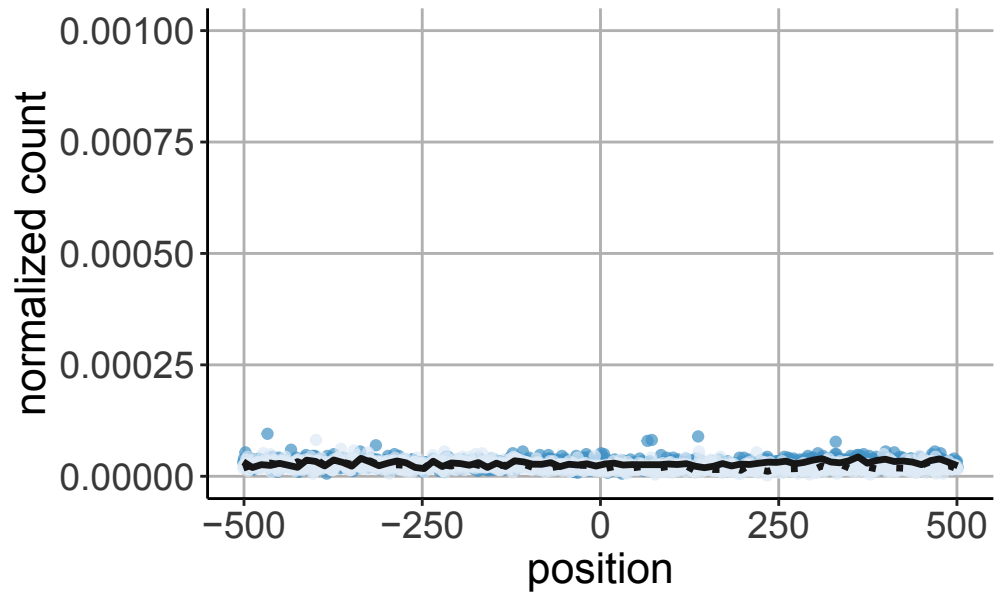


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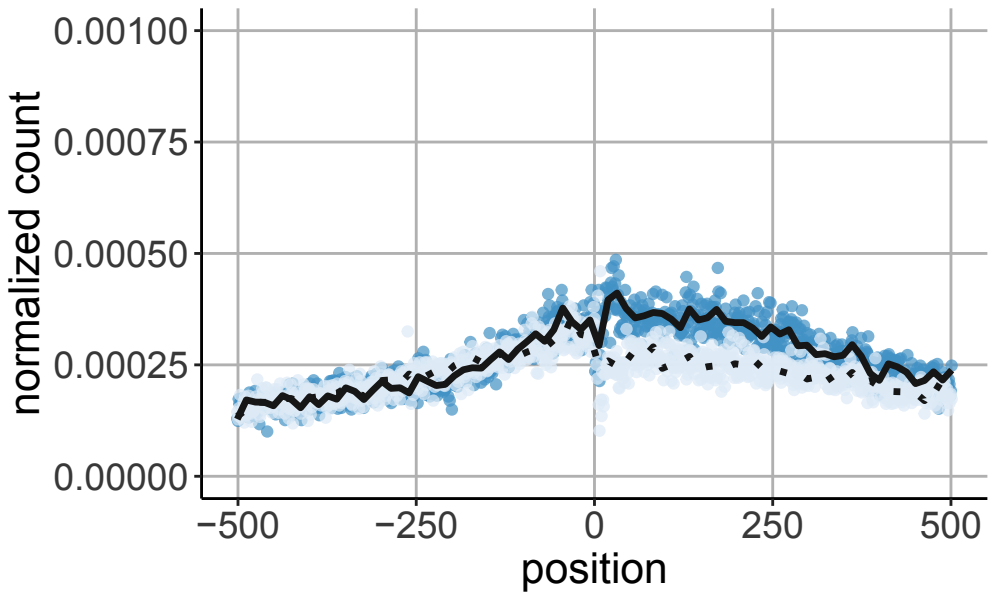


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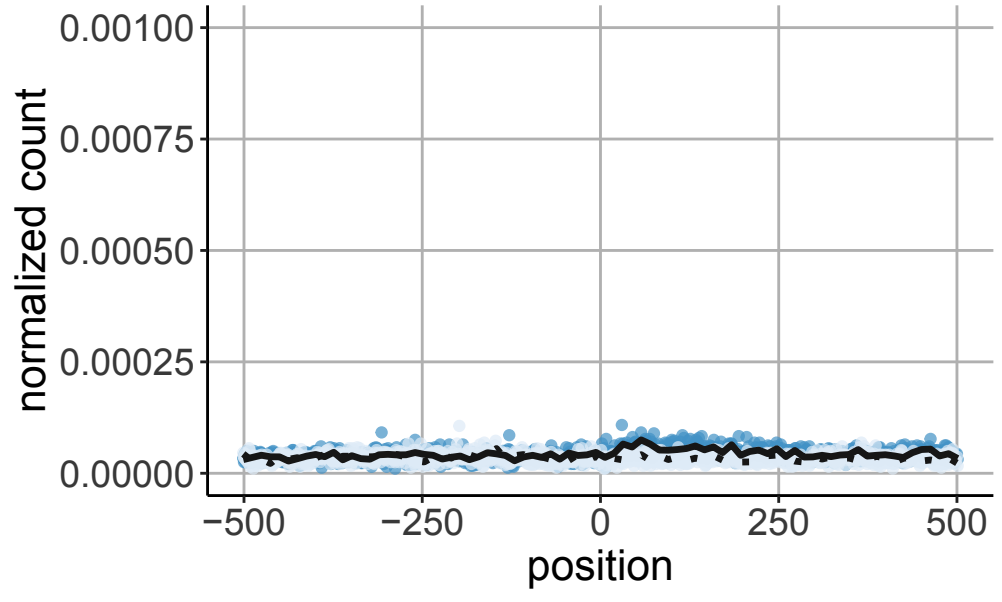


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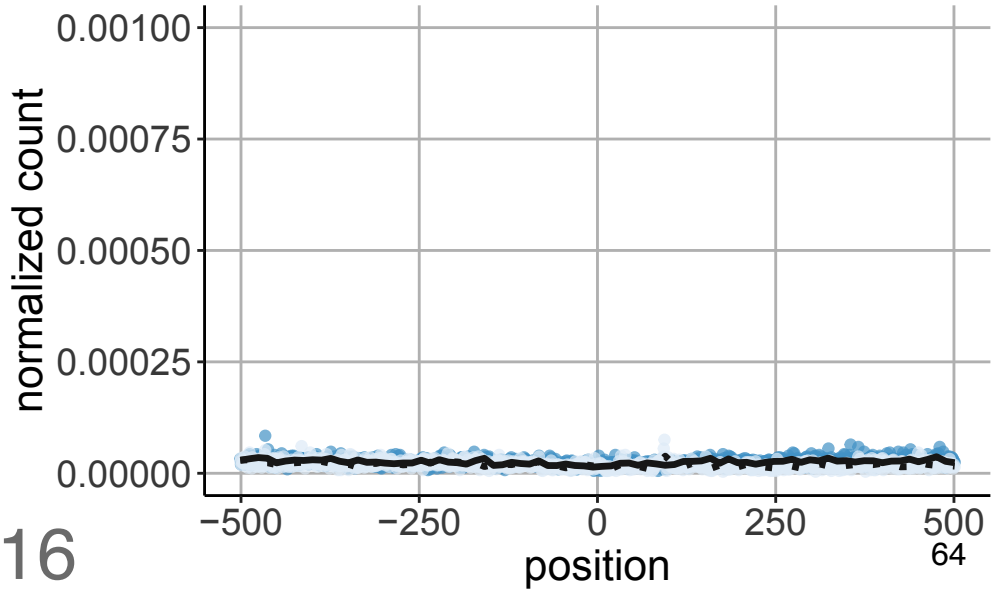

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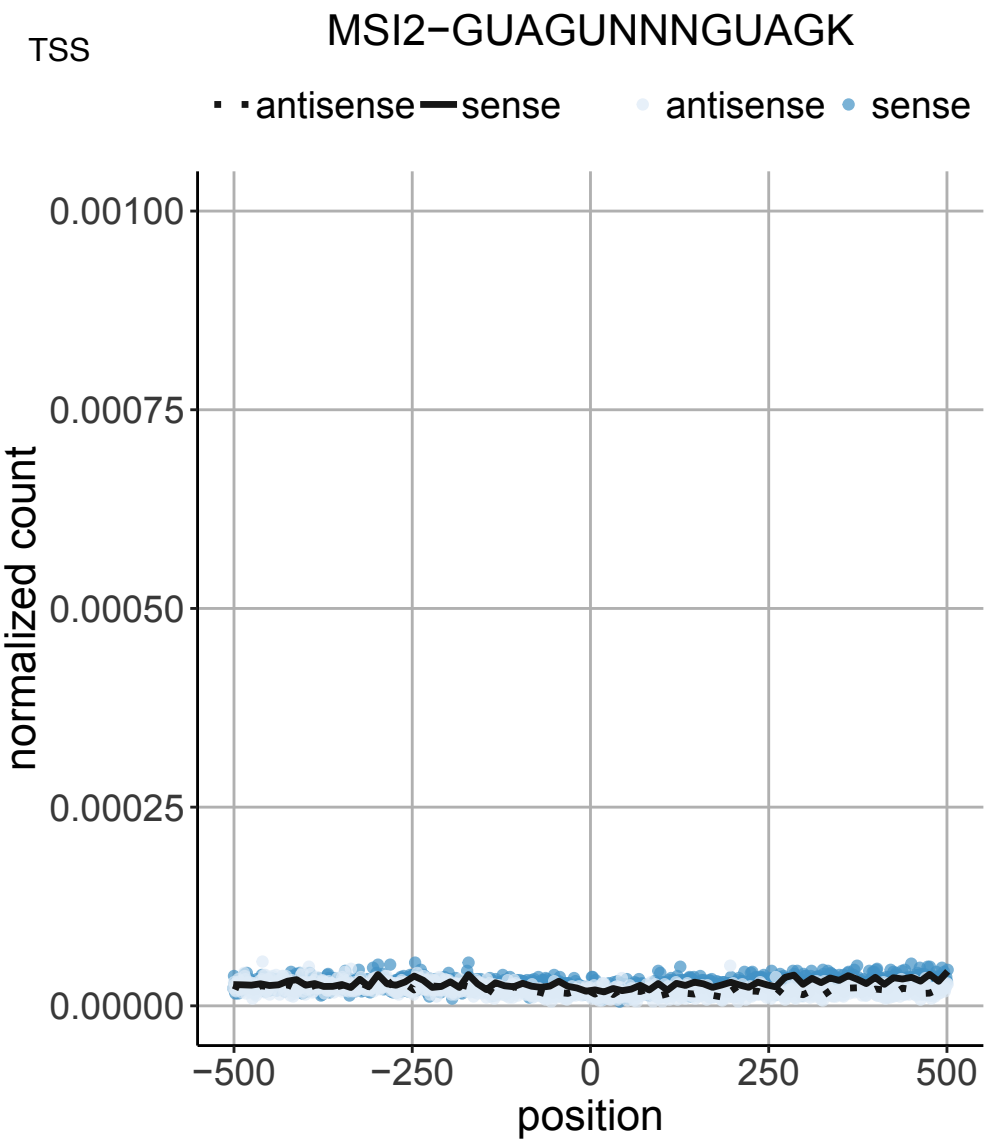
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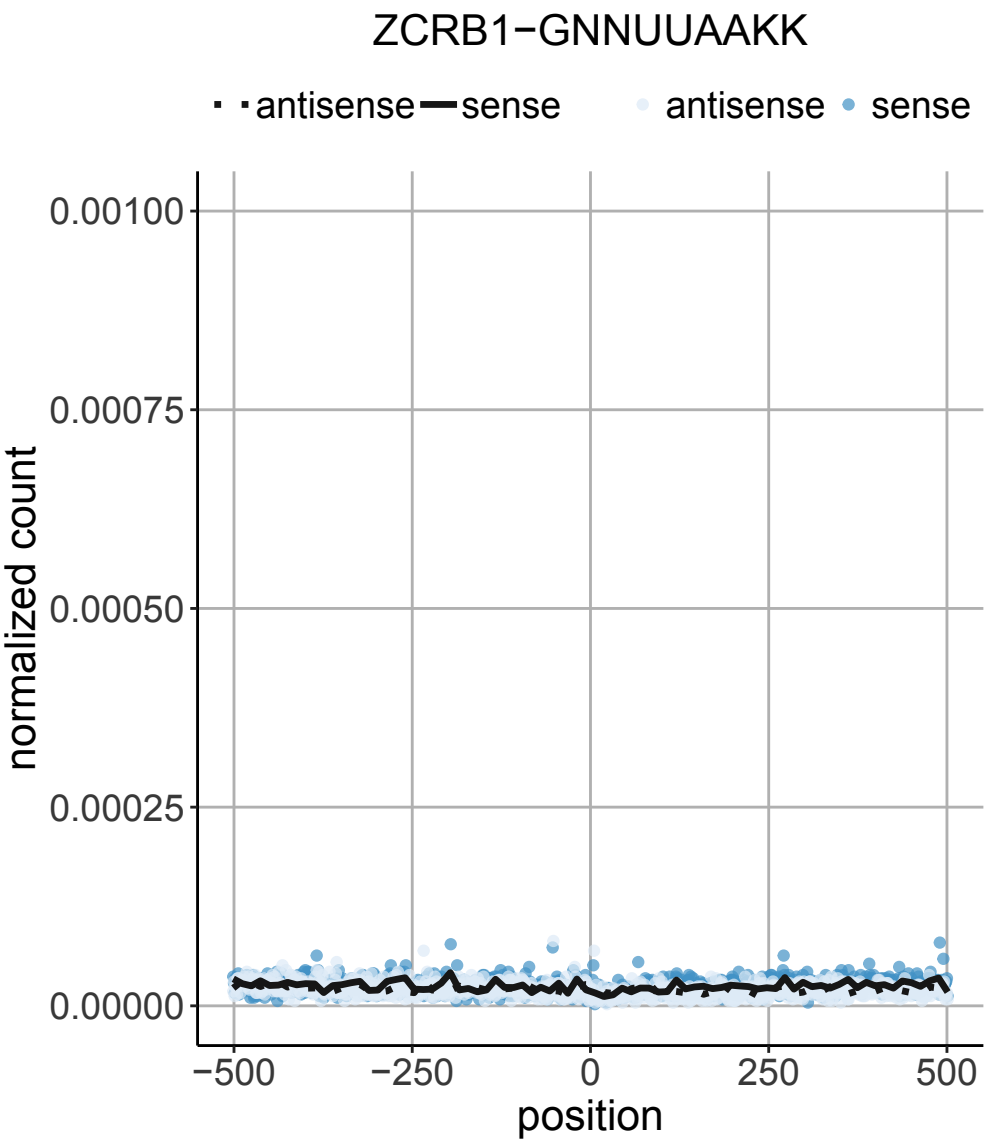
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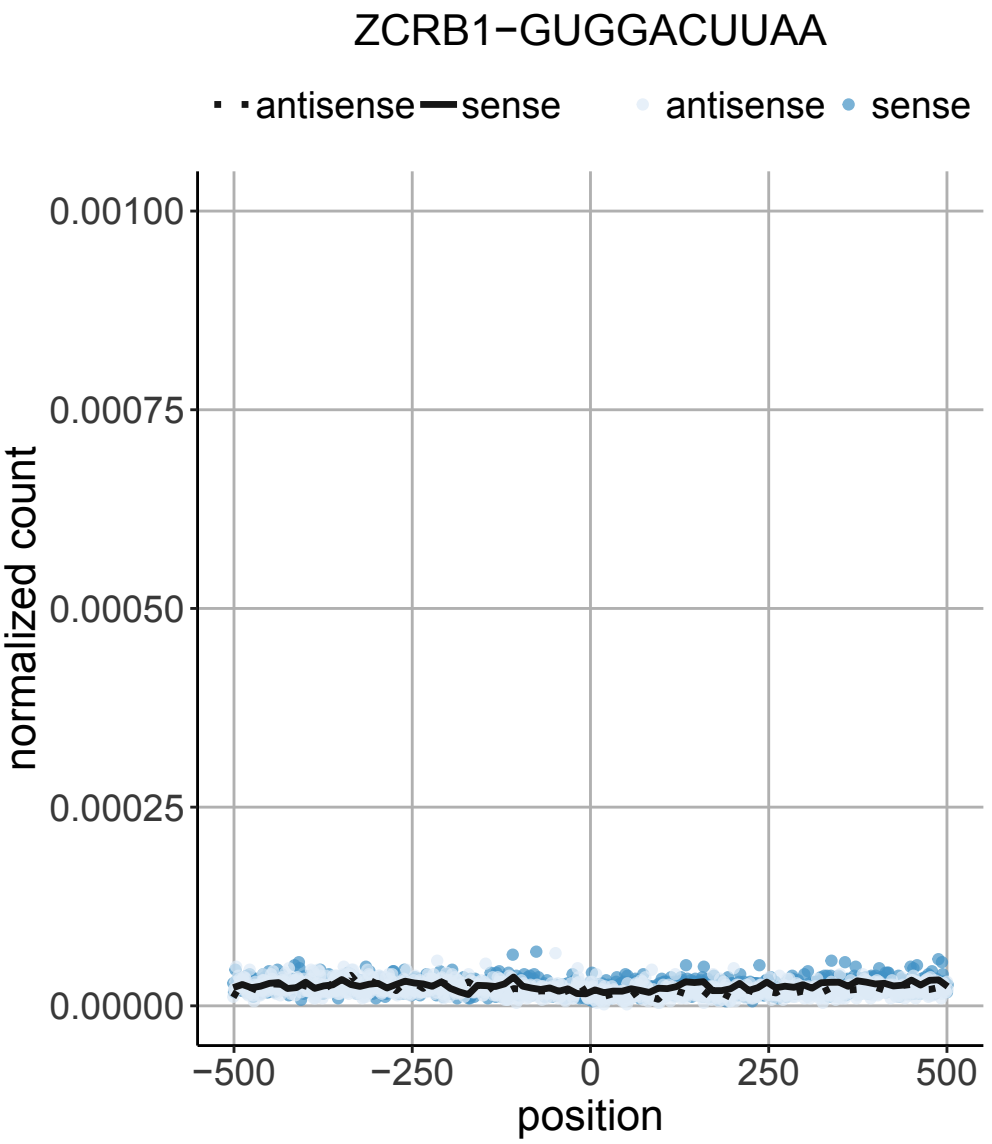
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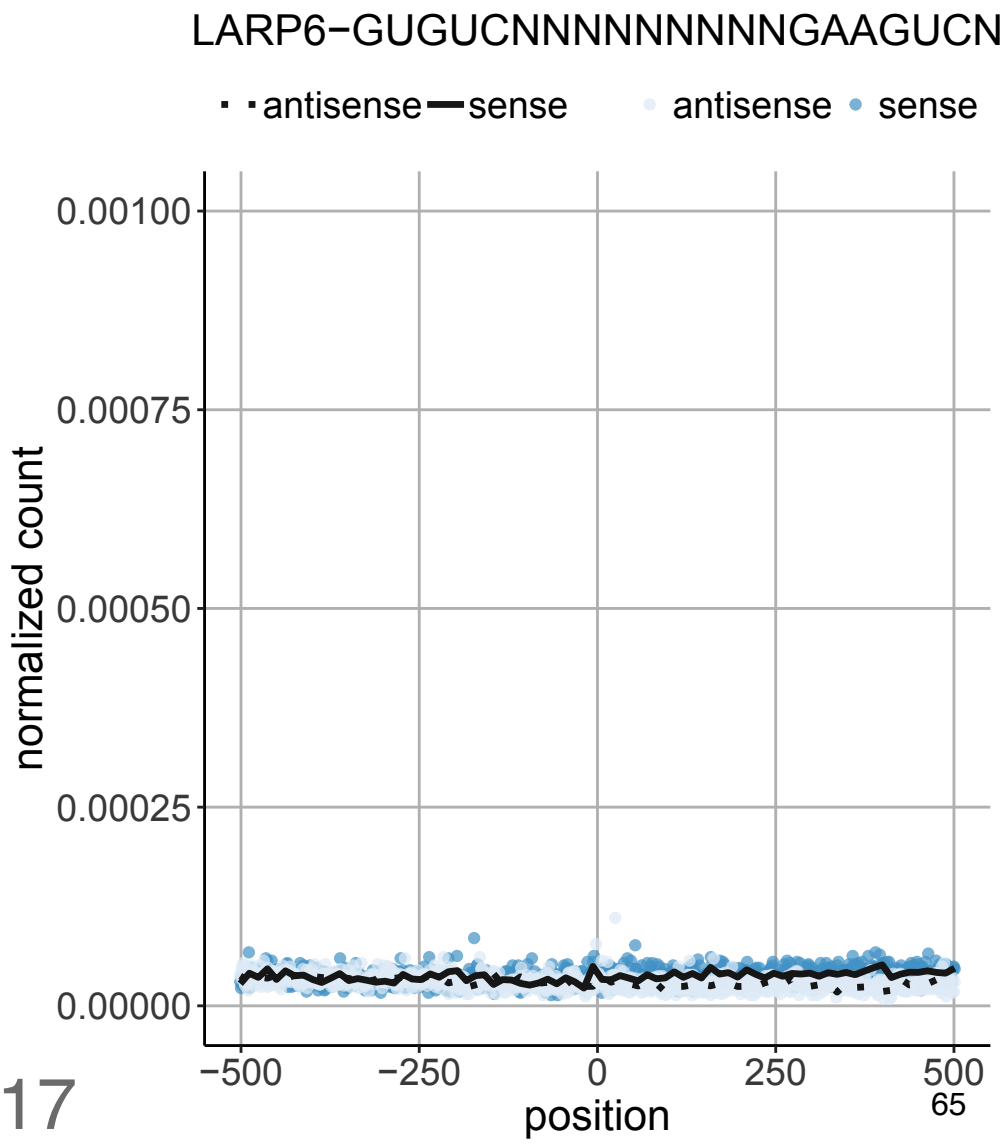
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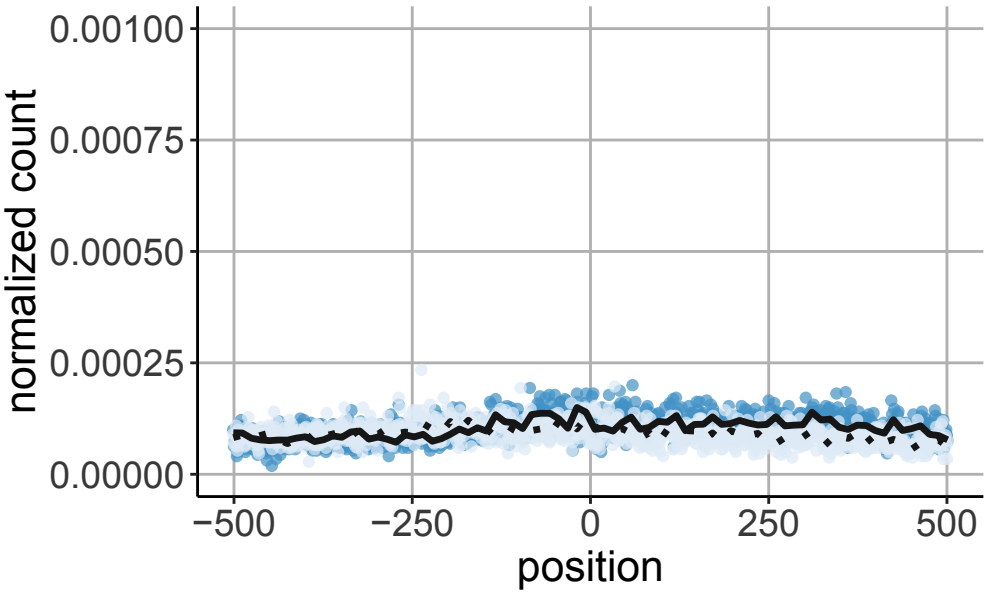
TSS

DAZ1_2−NNUGUGUGSGUUUCCGSN

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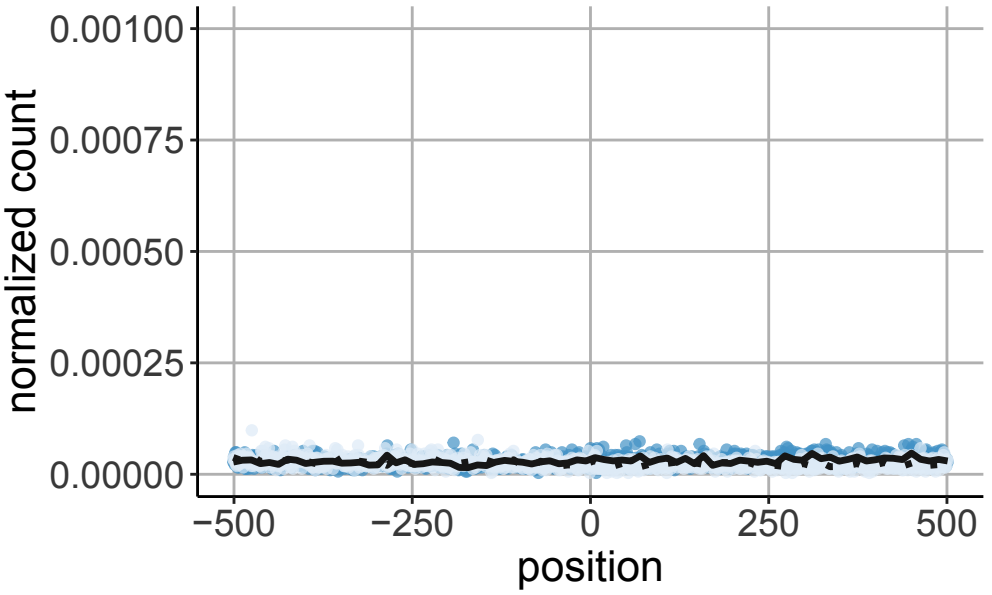


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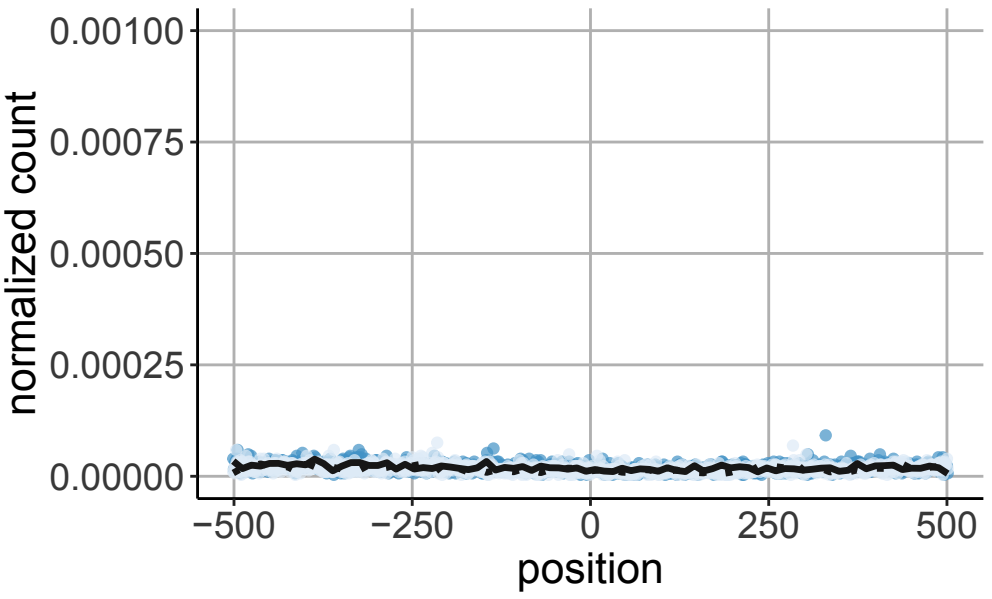


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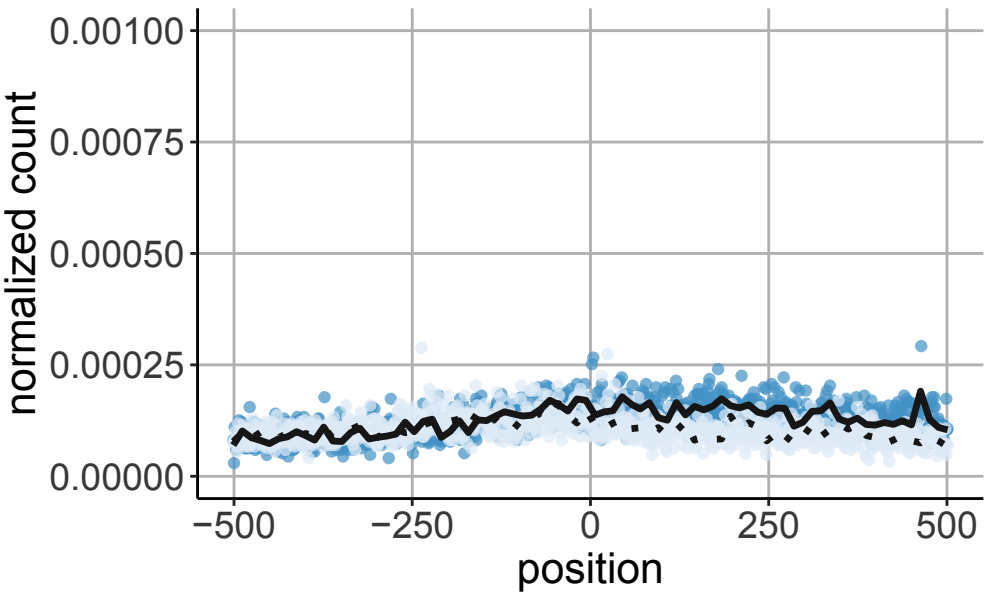


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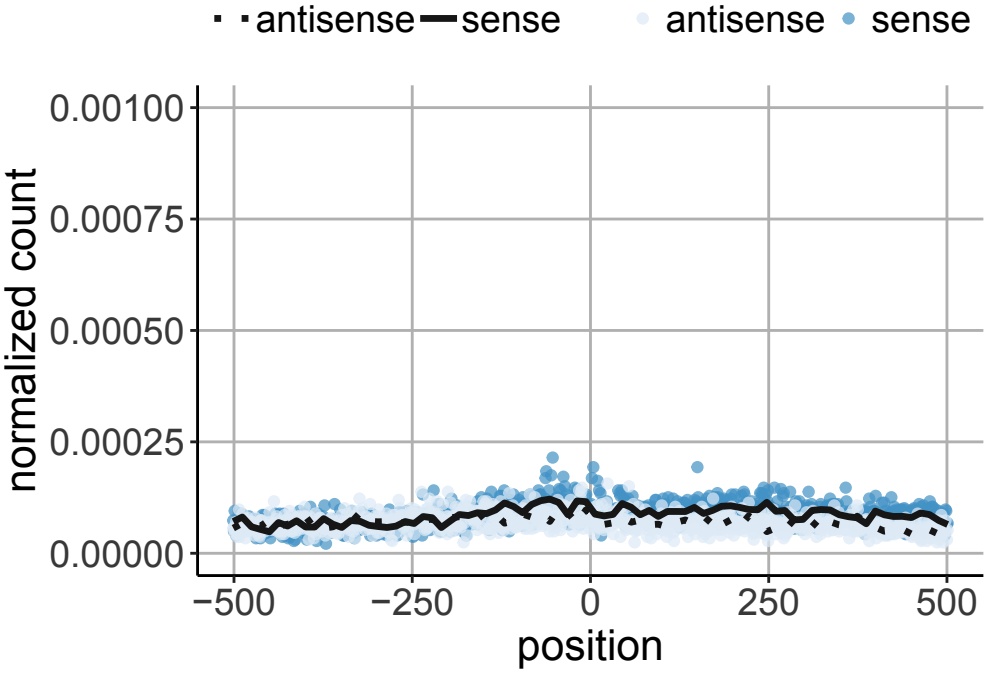


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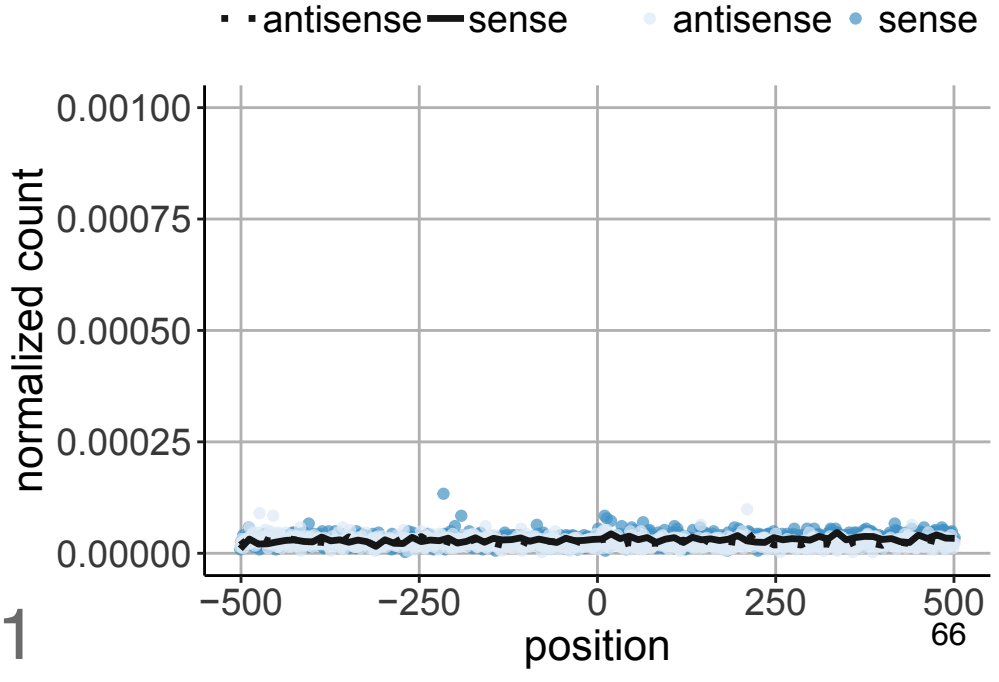

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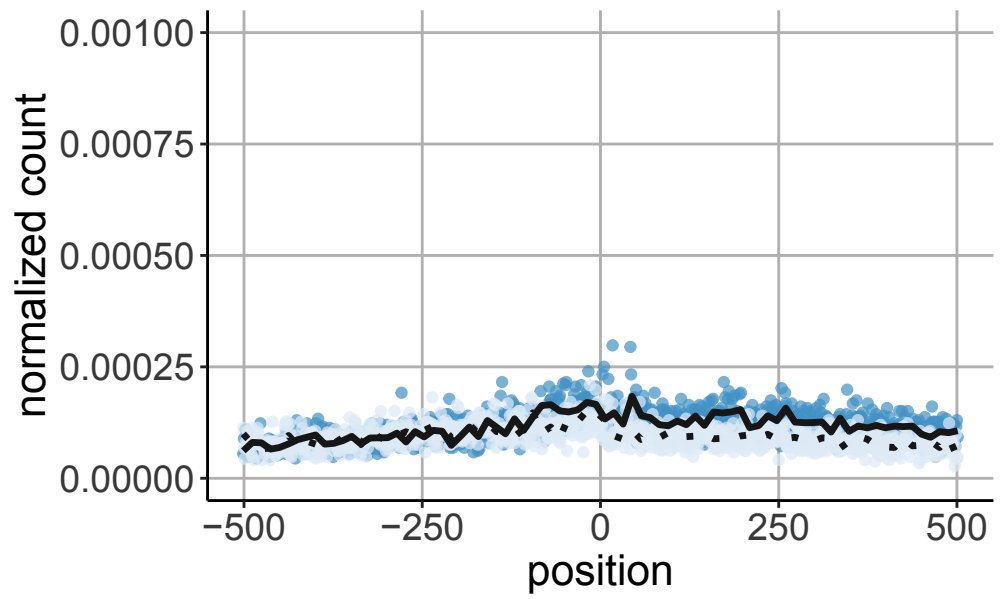


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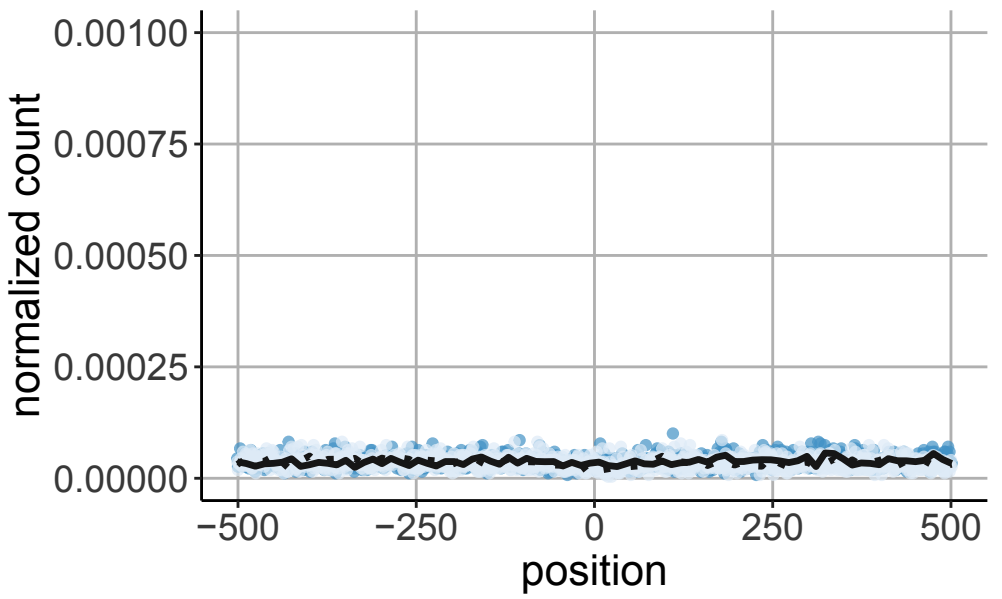


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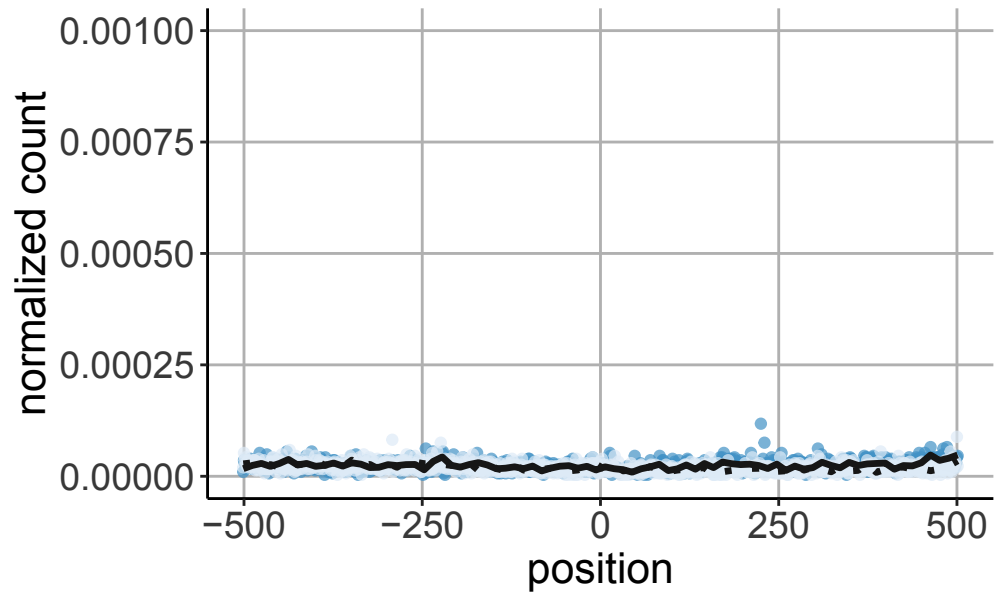


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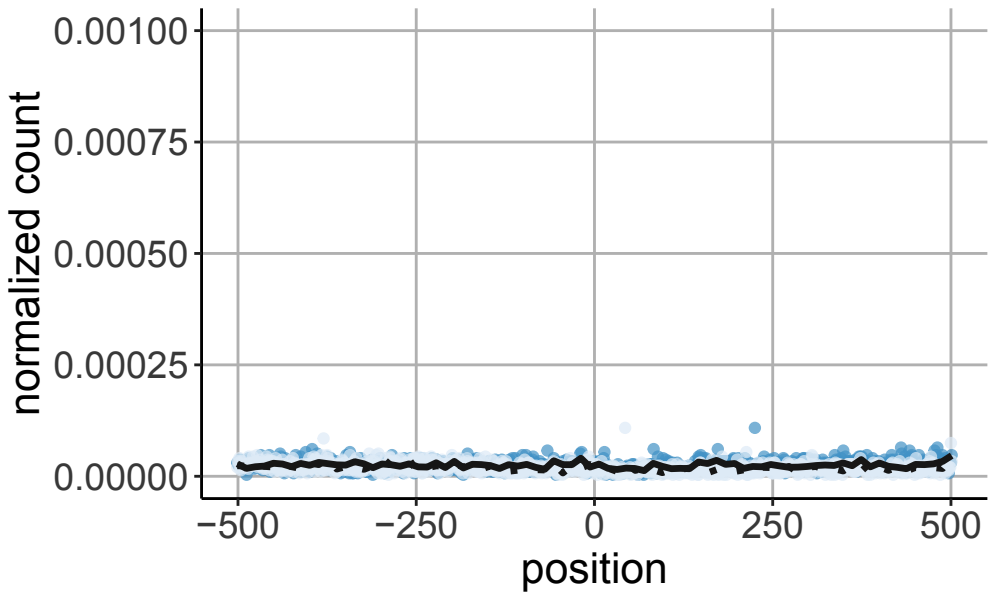


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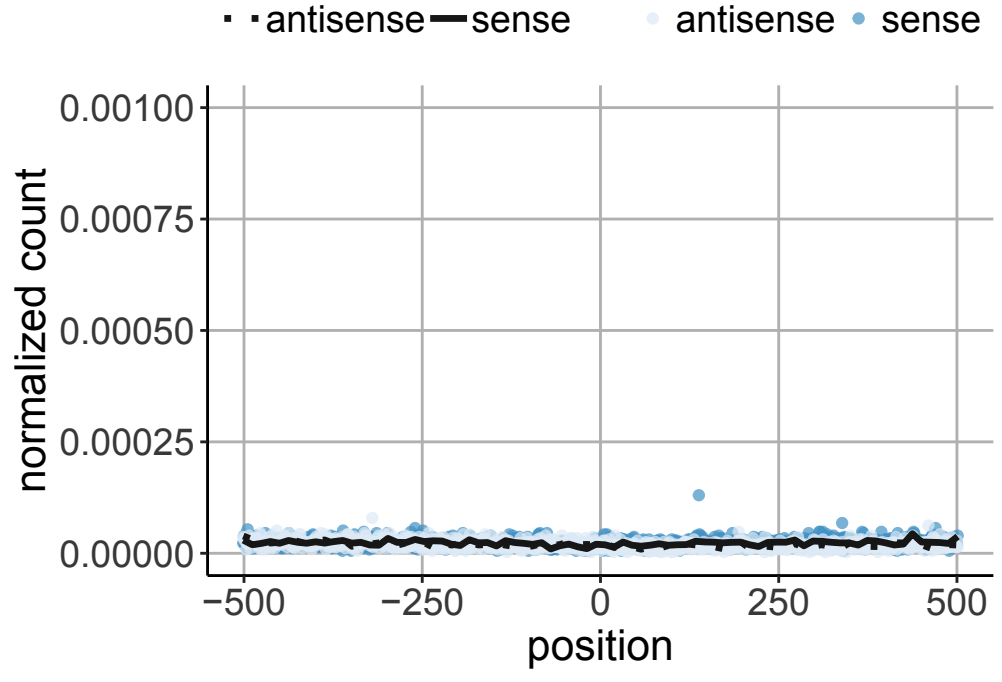


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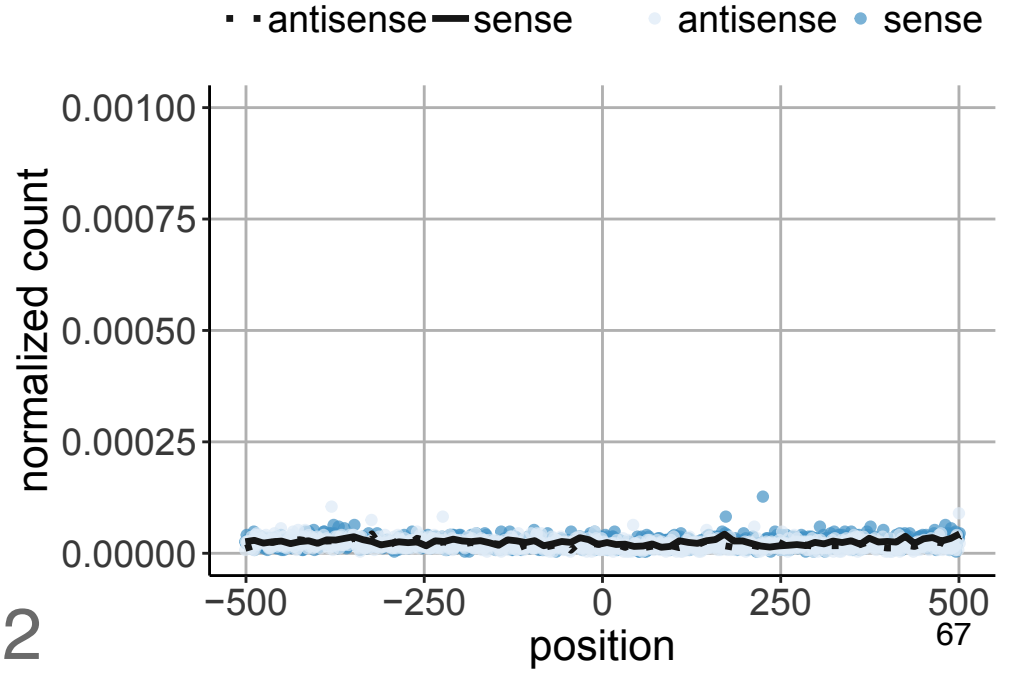

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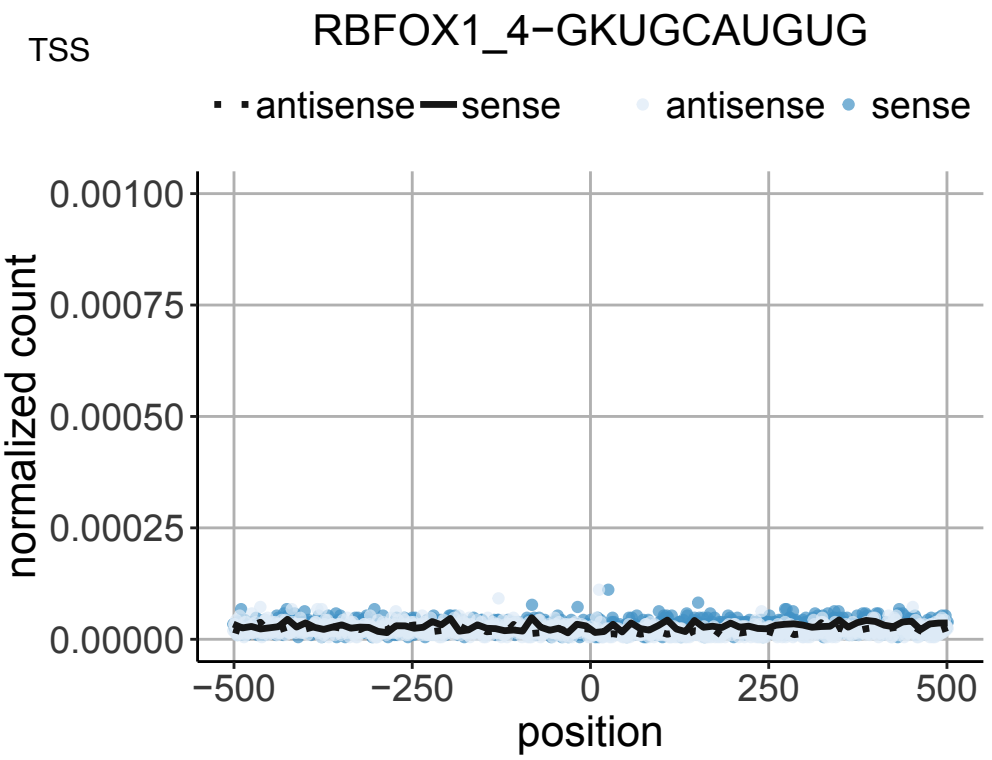
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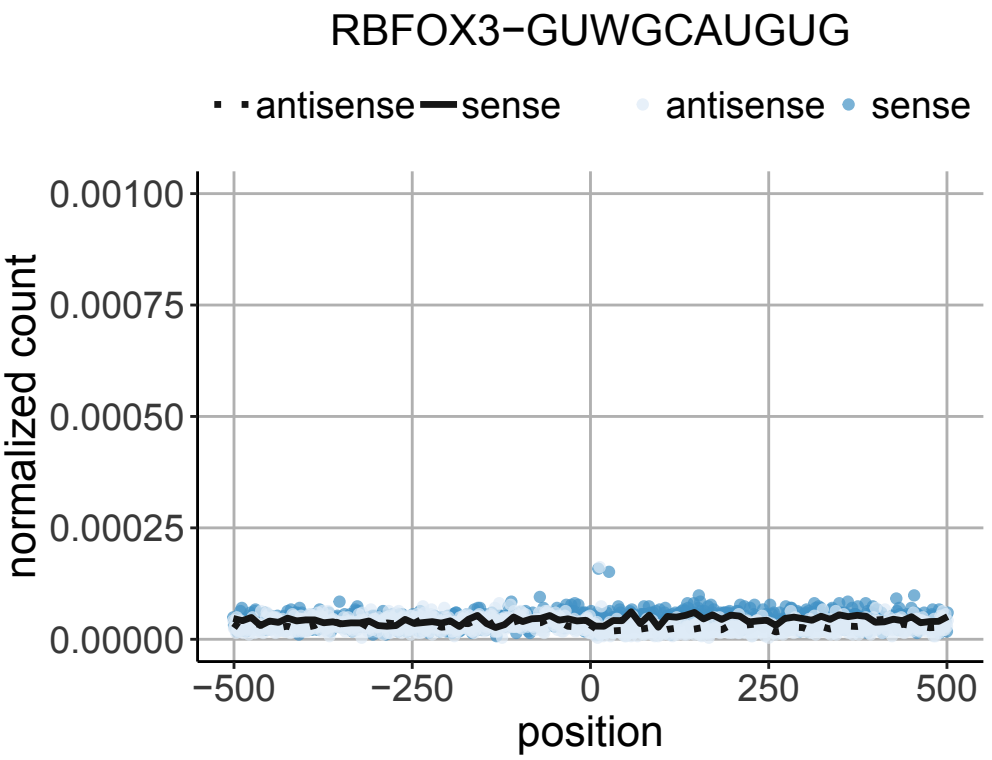
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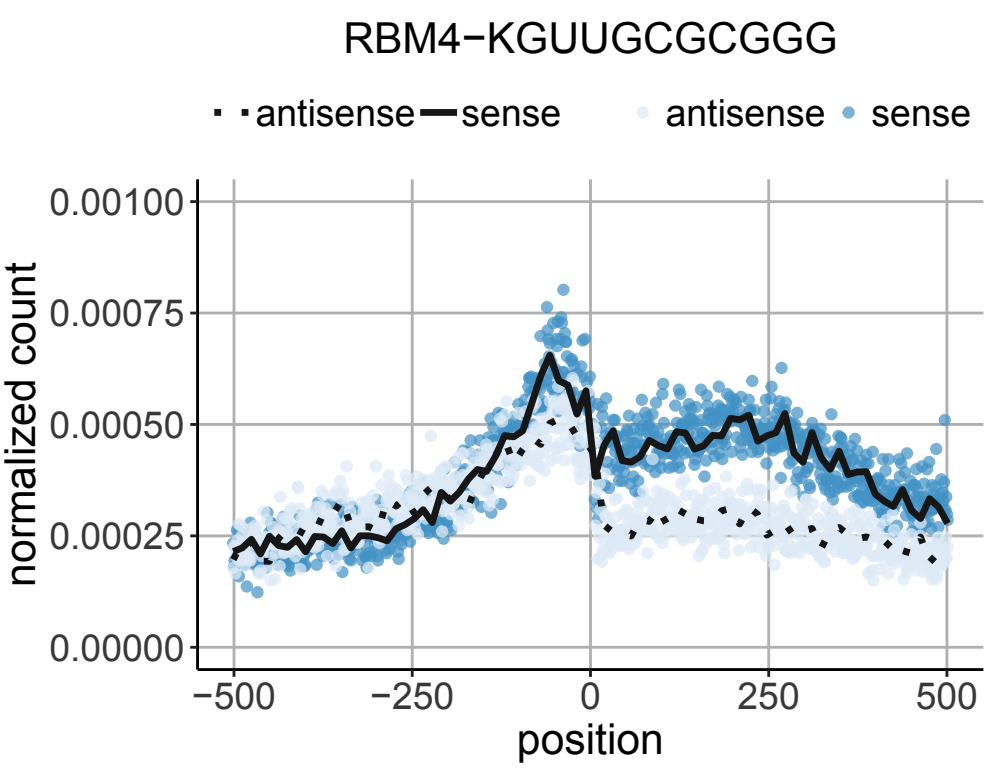
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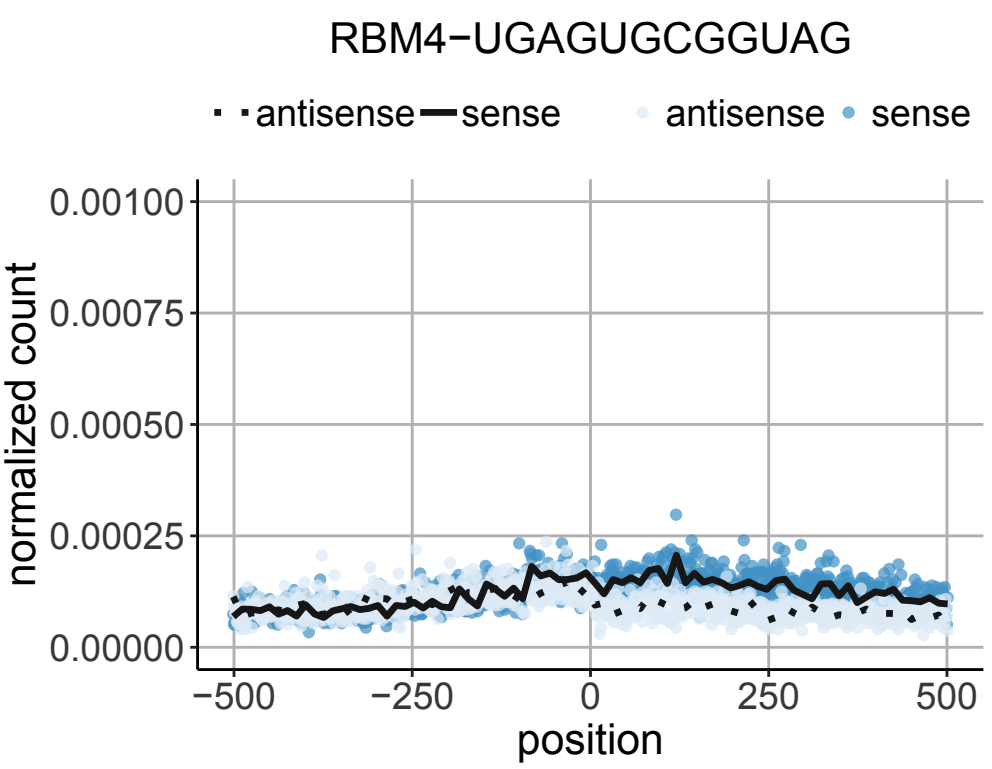
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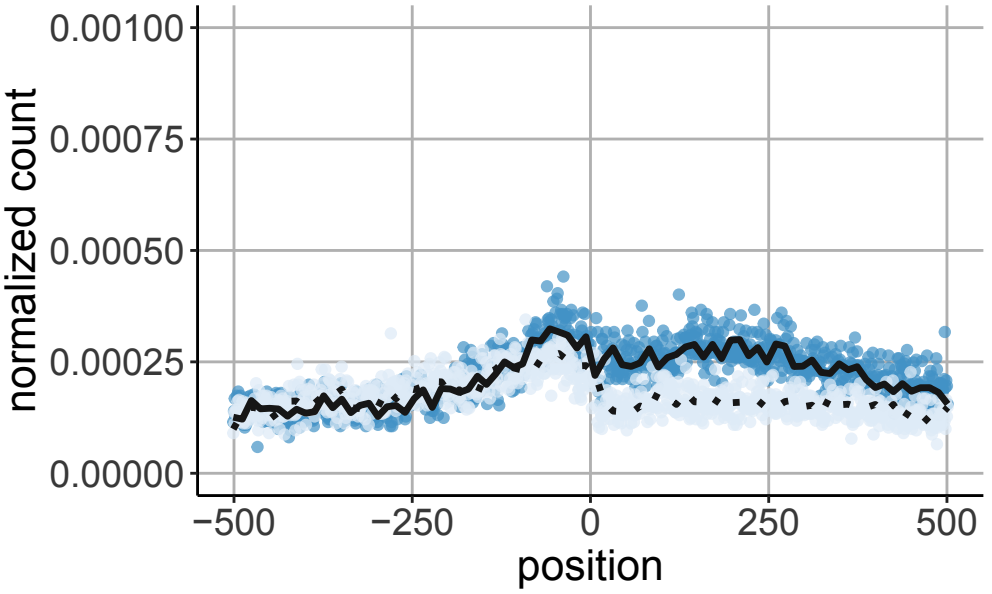
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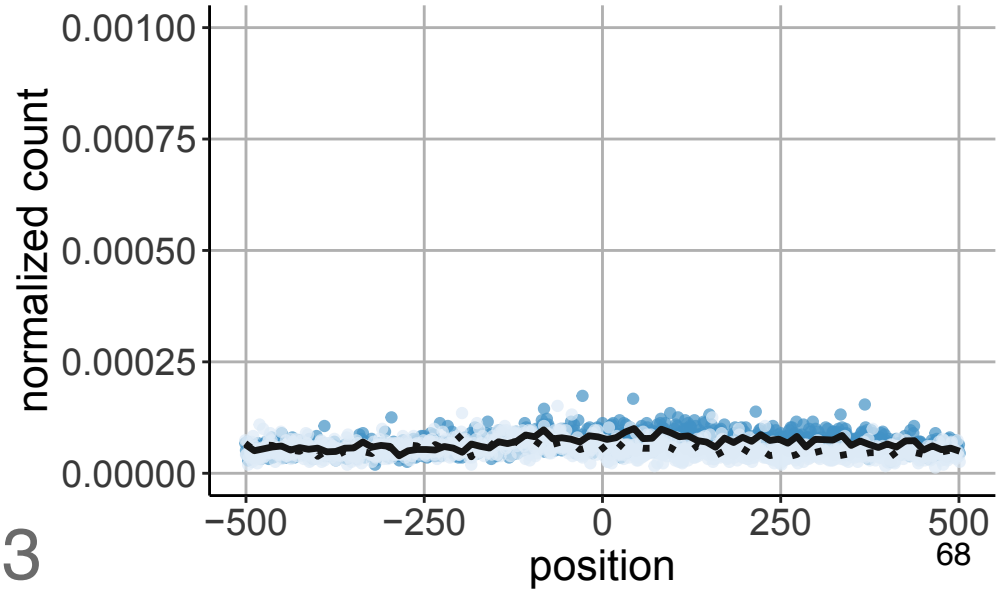
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TSS

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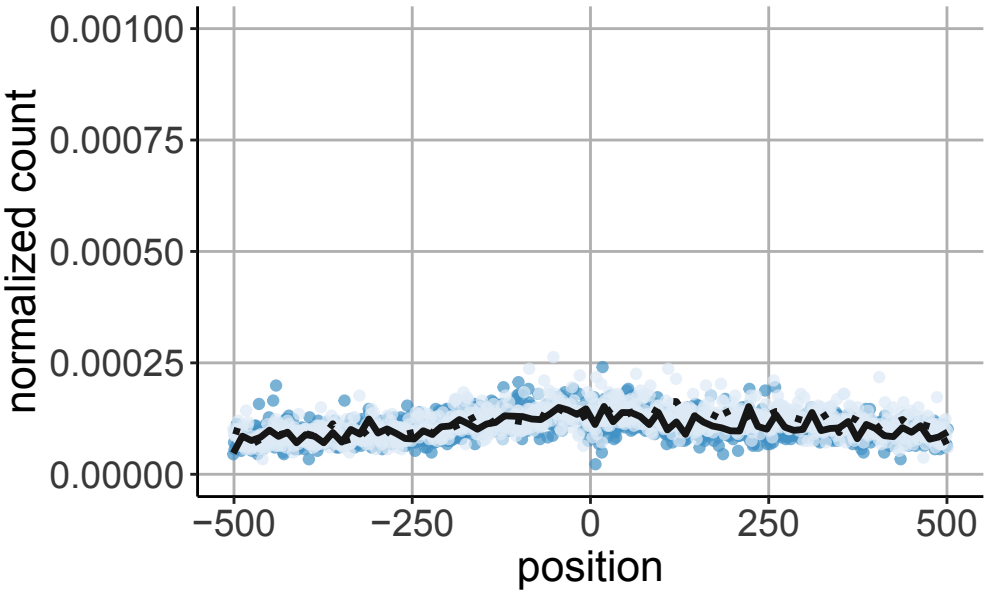


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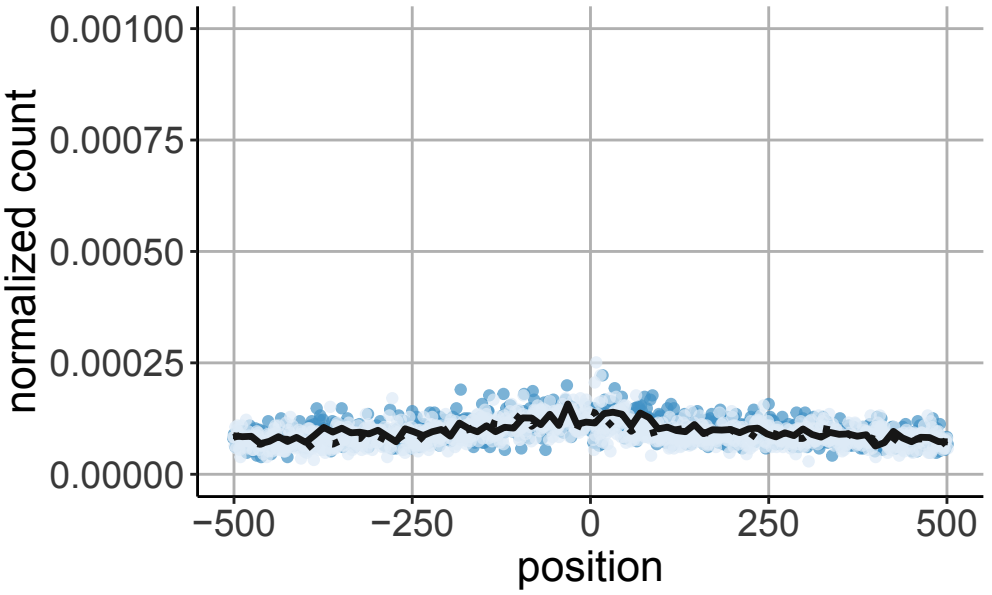


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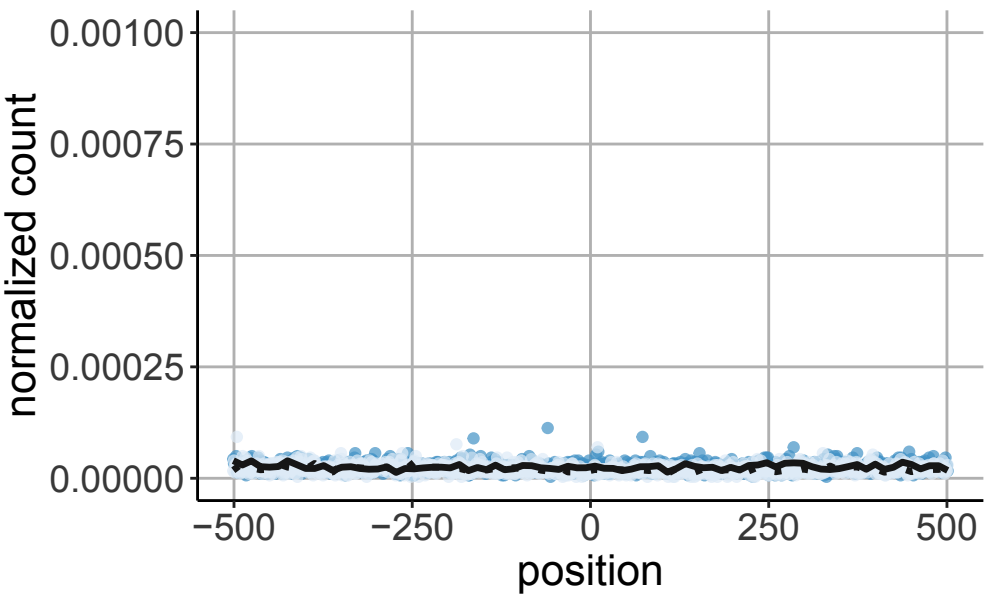


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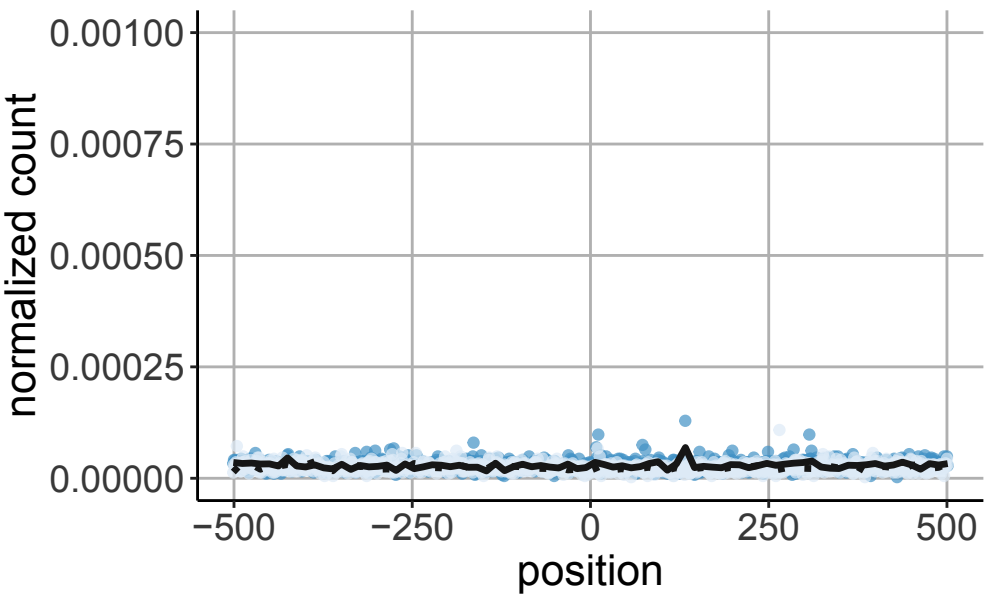


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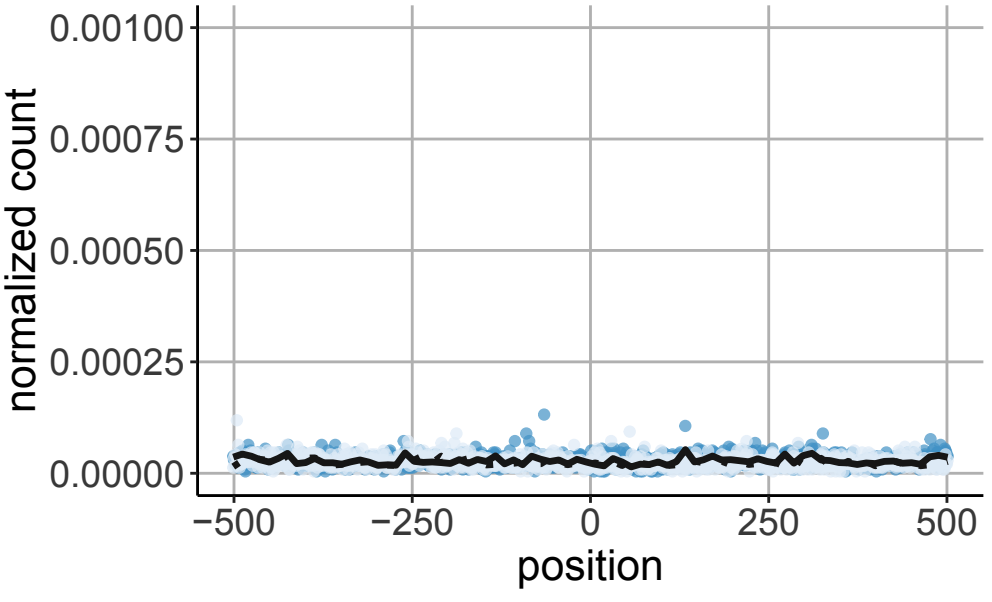


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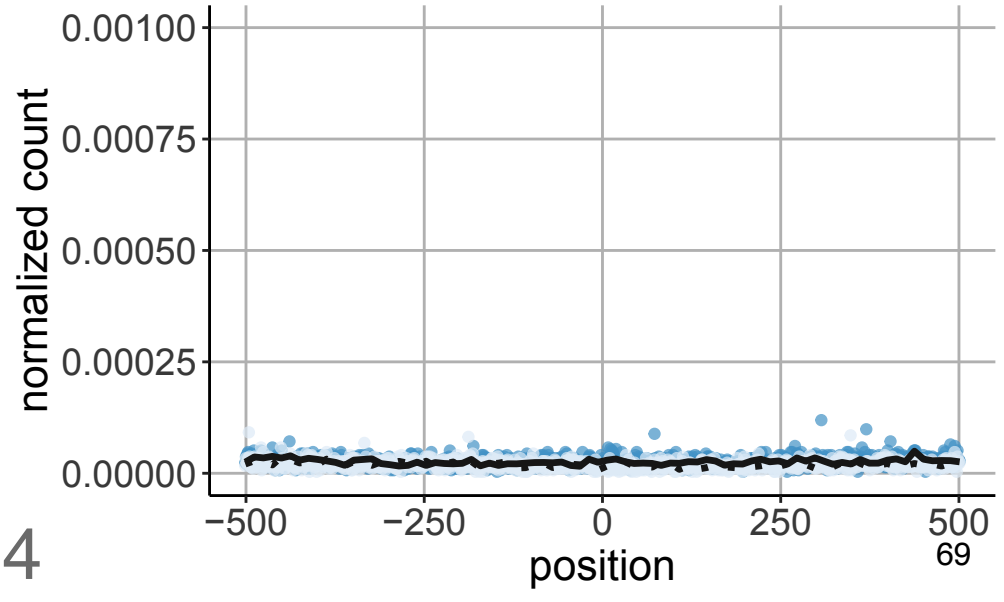

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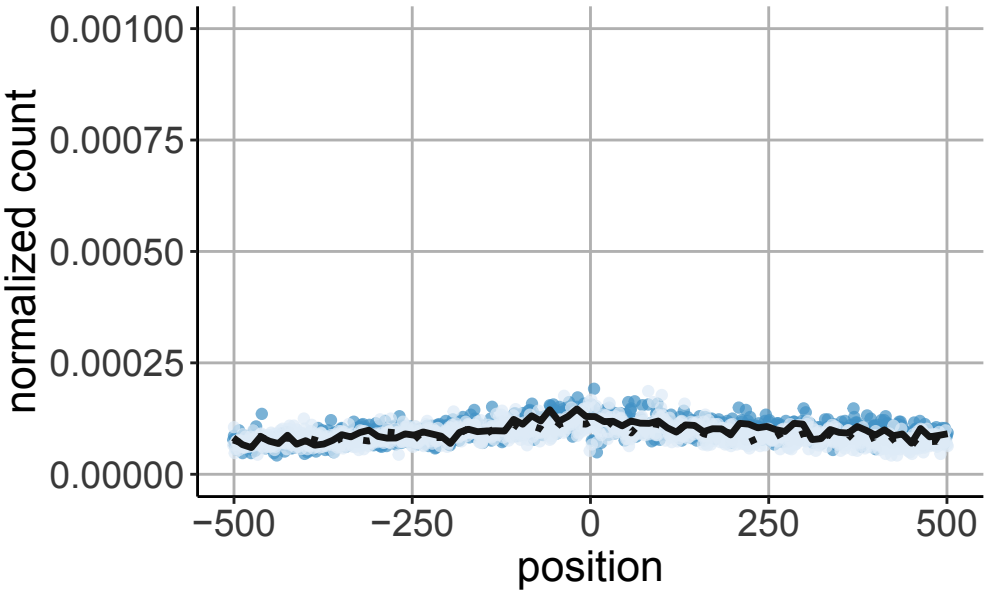


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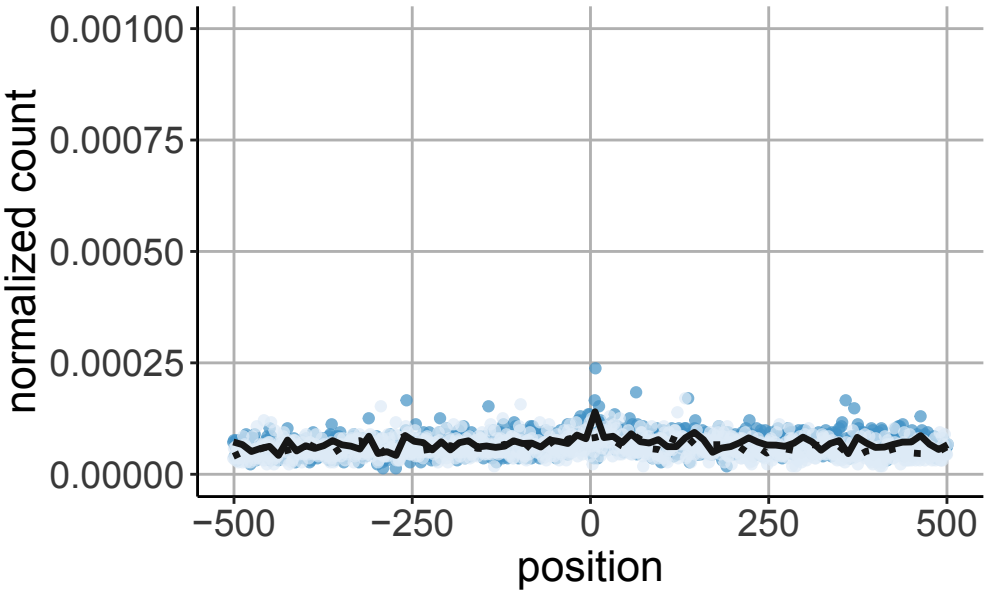


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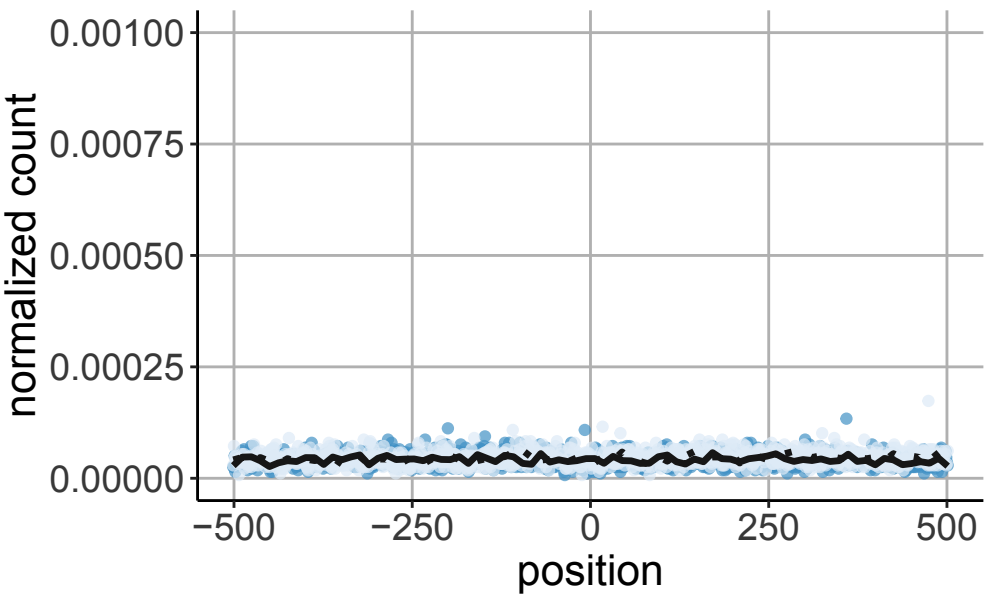


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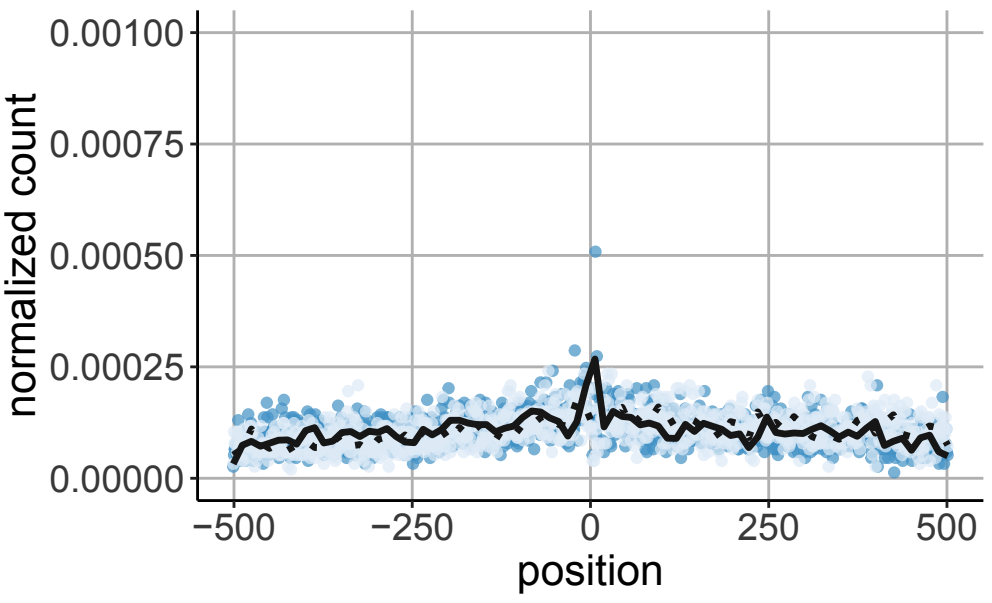


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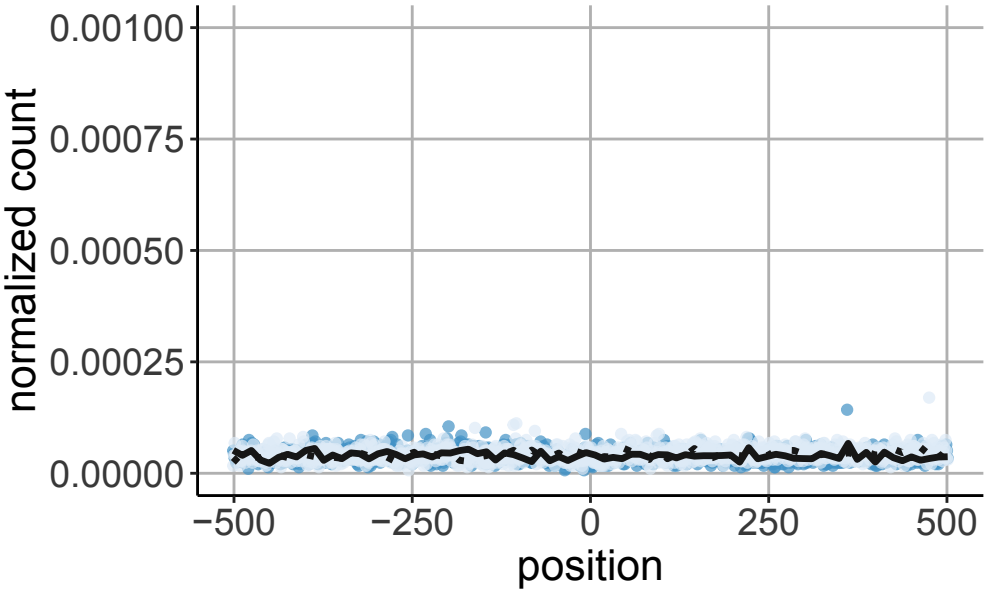
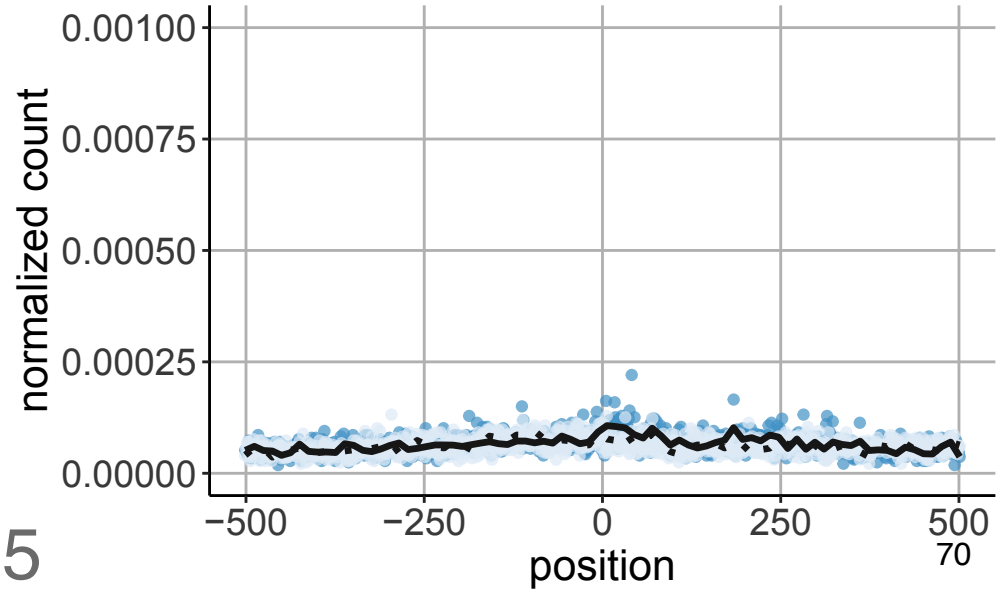



RBMY1J−GCGCAAGAGC



TSS

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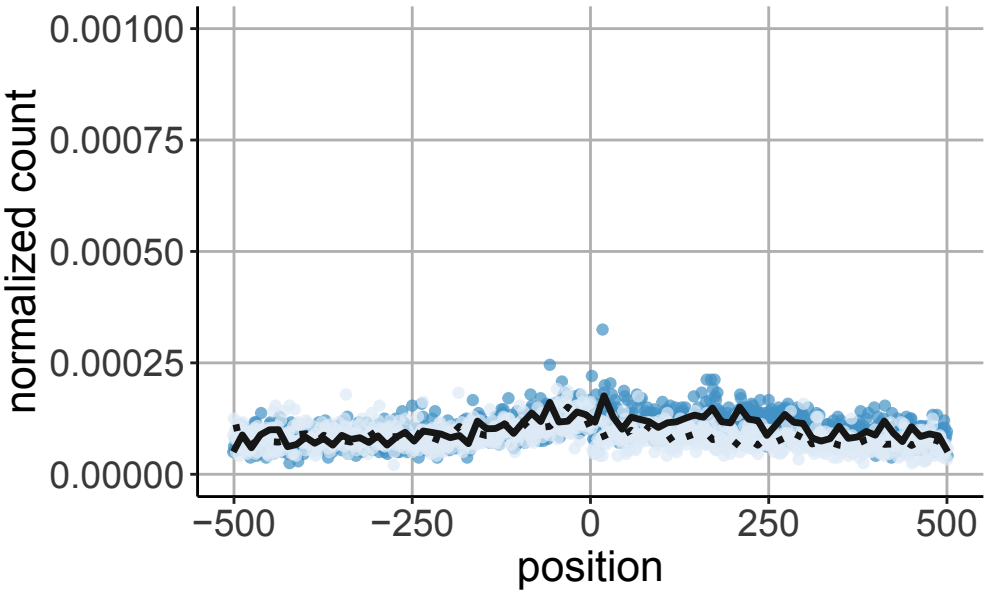


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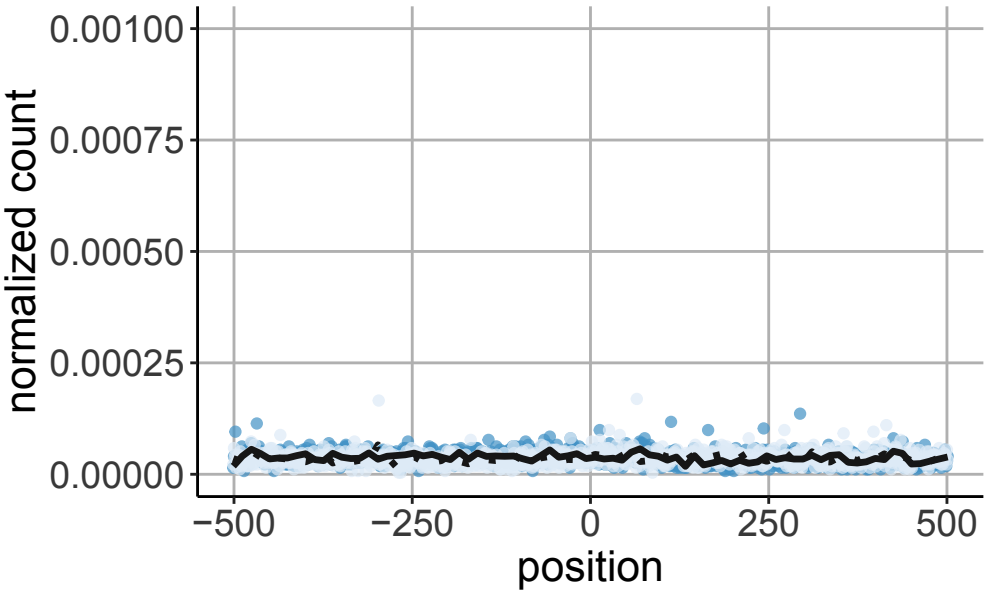


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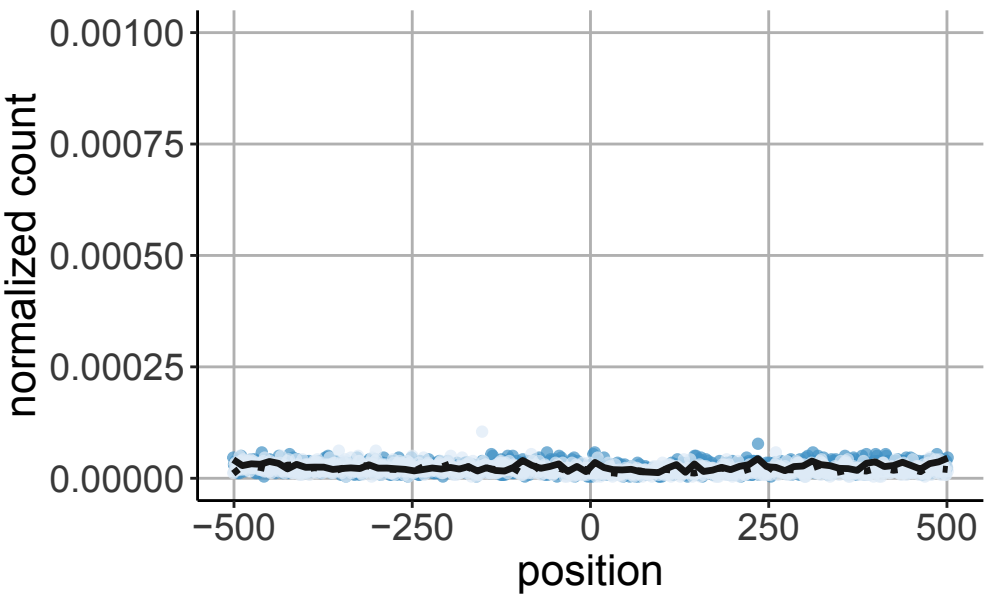


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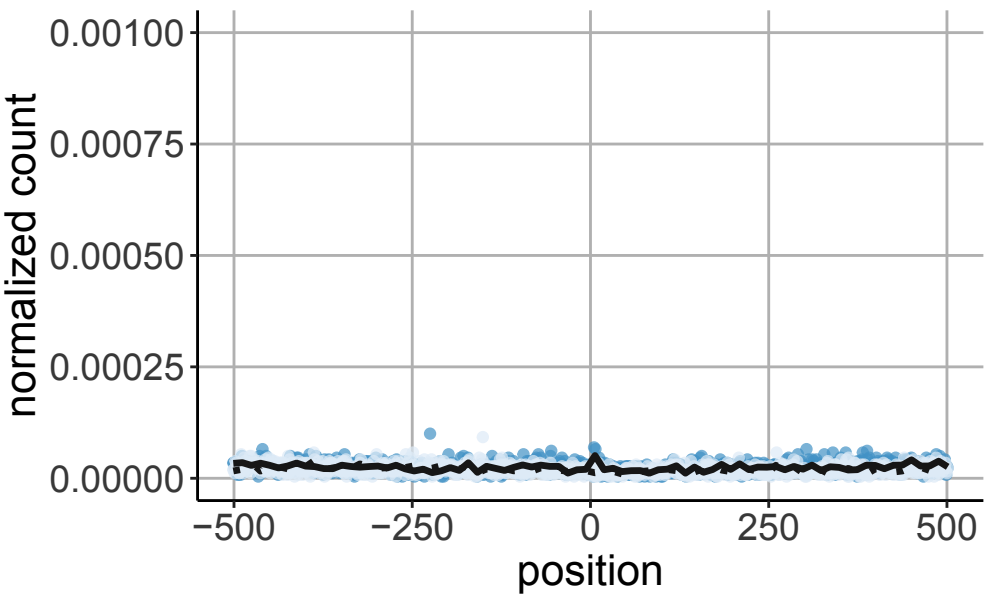


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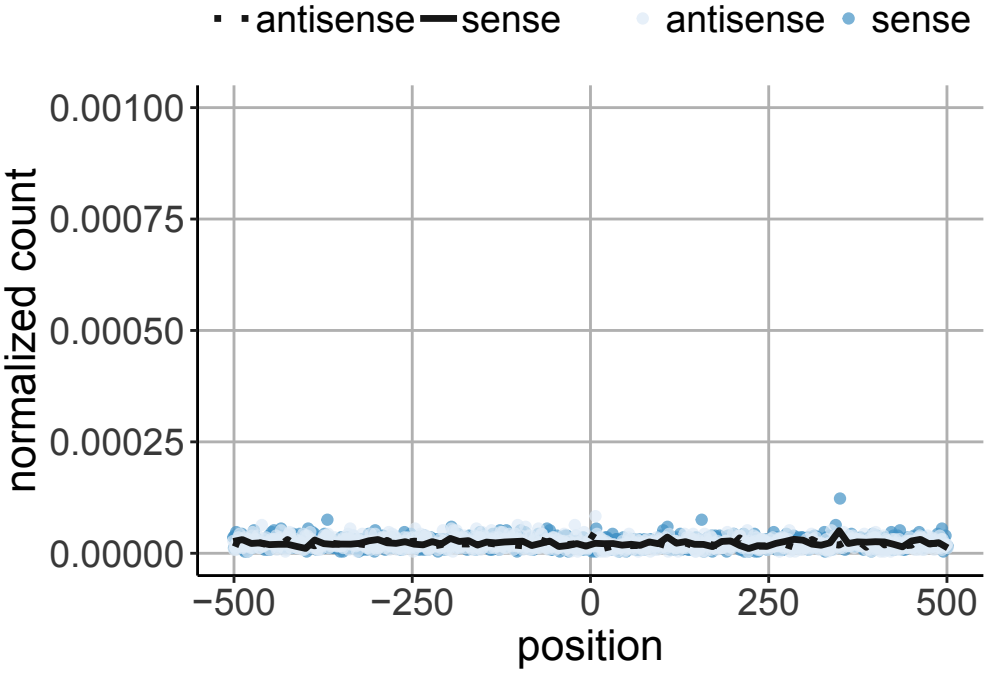


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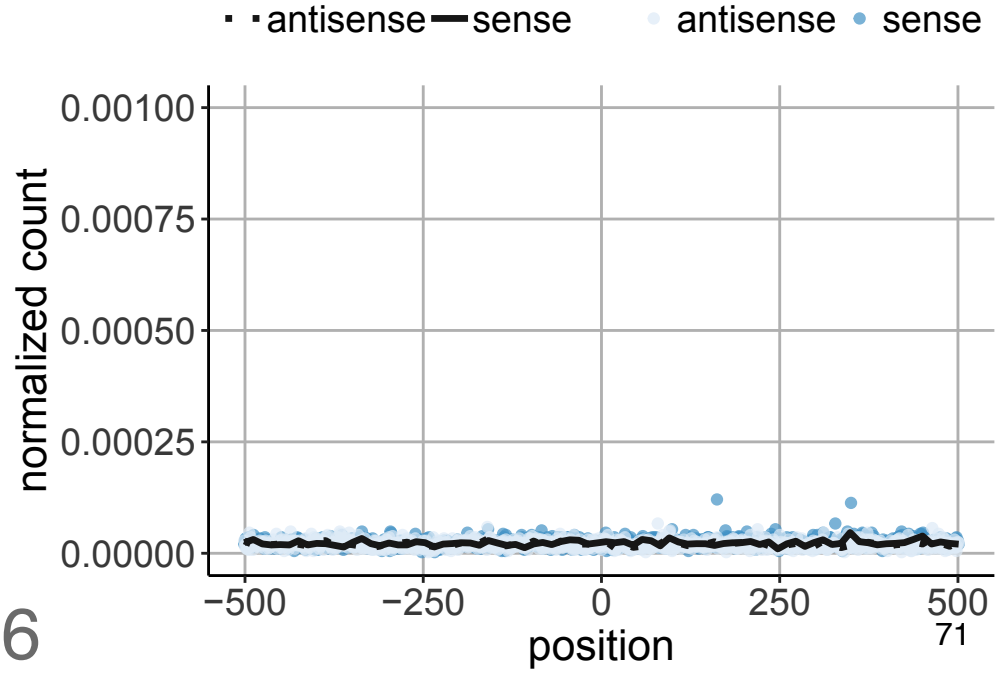

TSS

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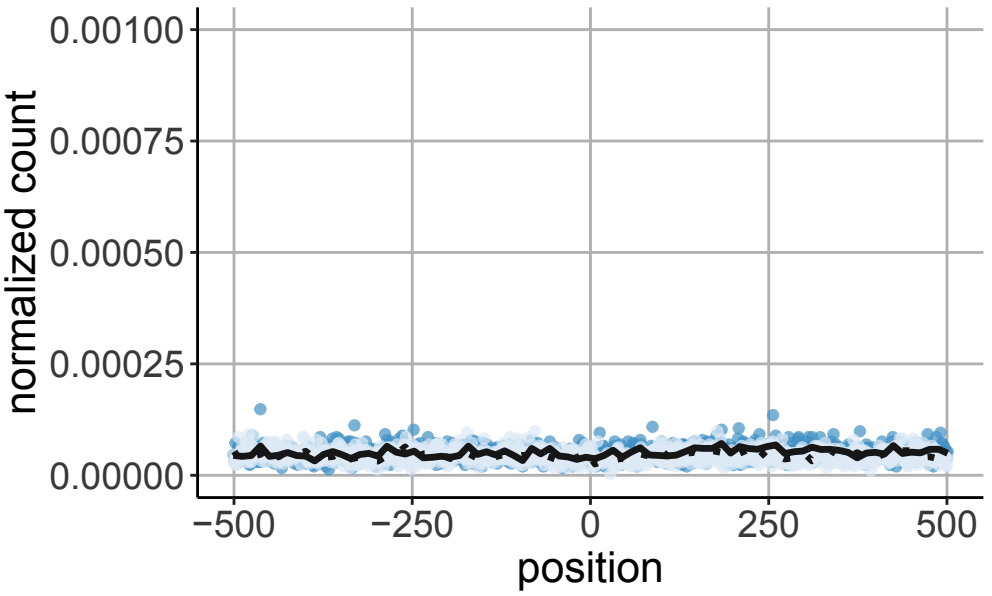
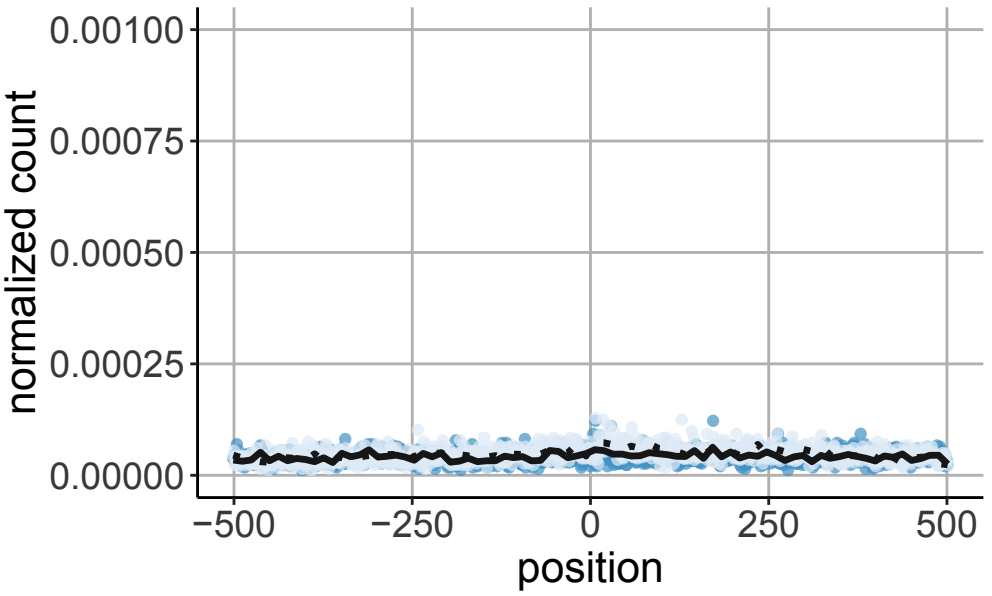
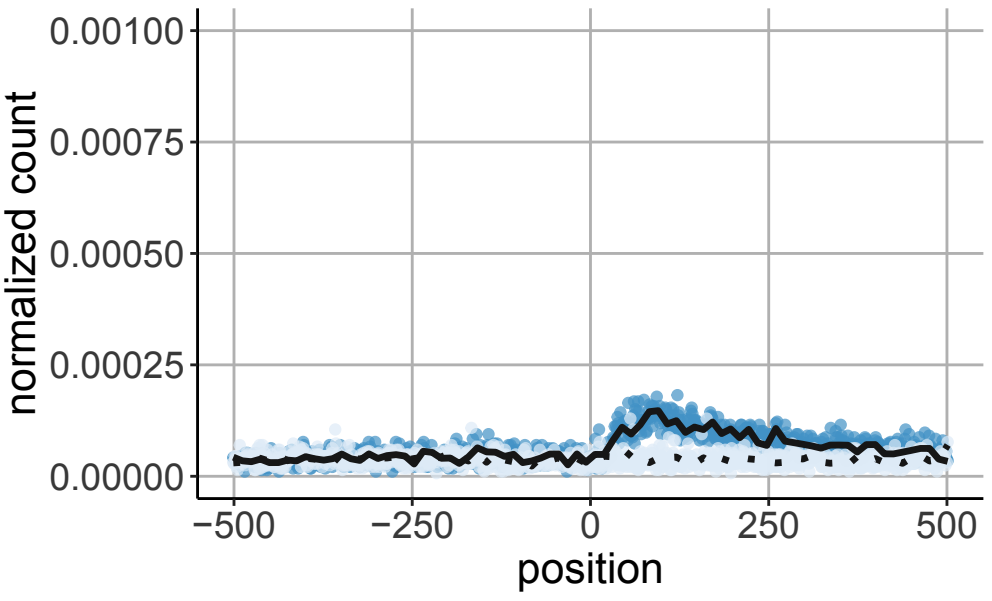



YBX1−RCCAYRHCAUCGY




ZC3H12A−NGCAGGUAAGUGCN

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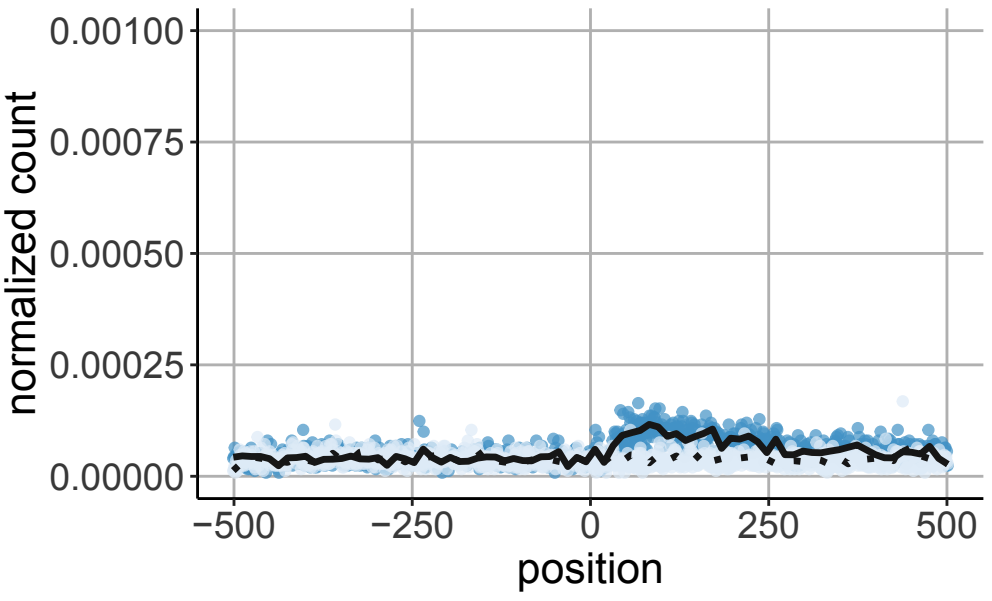


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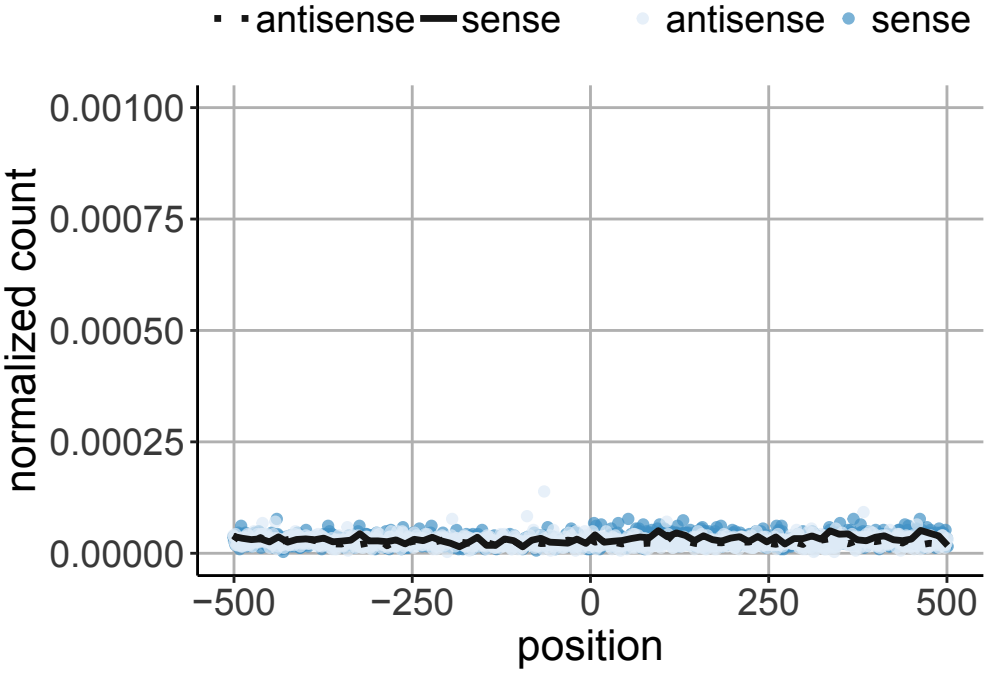
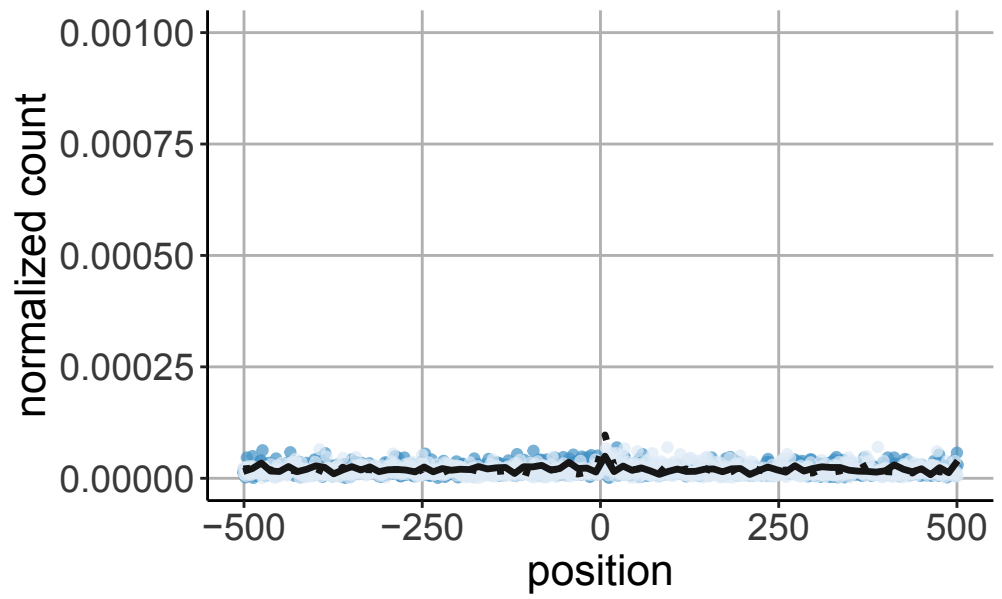
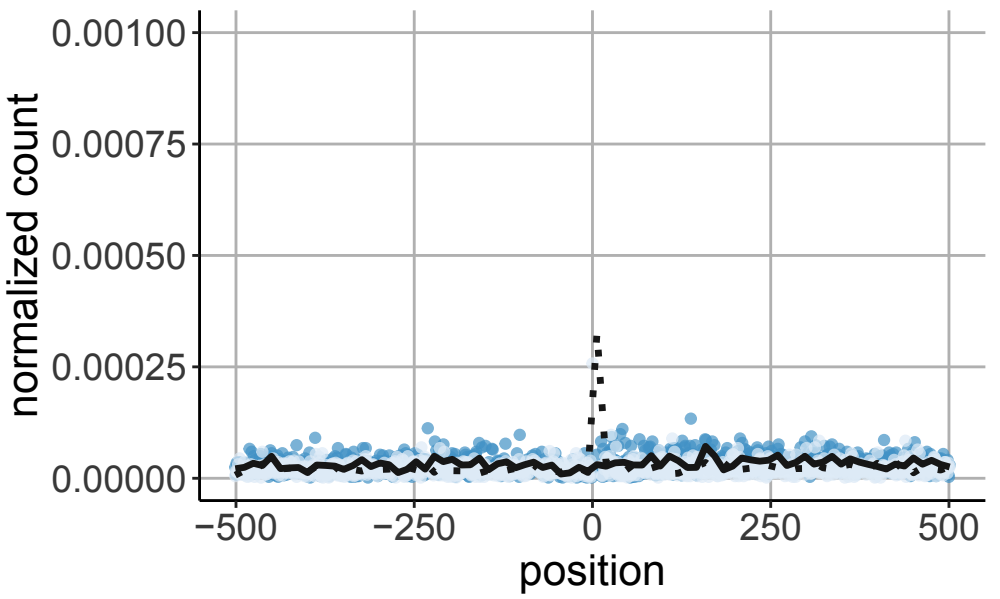


start codon

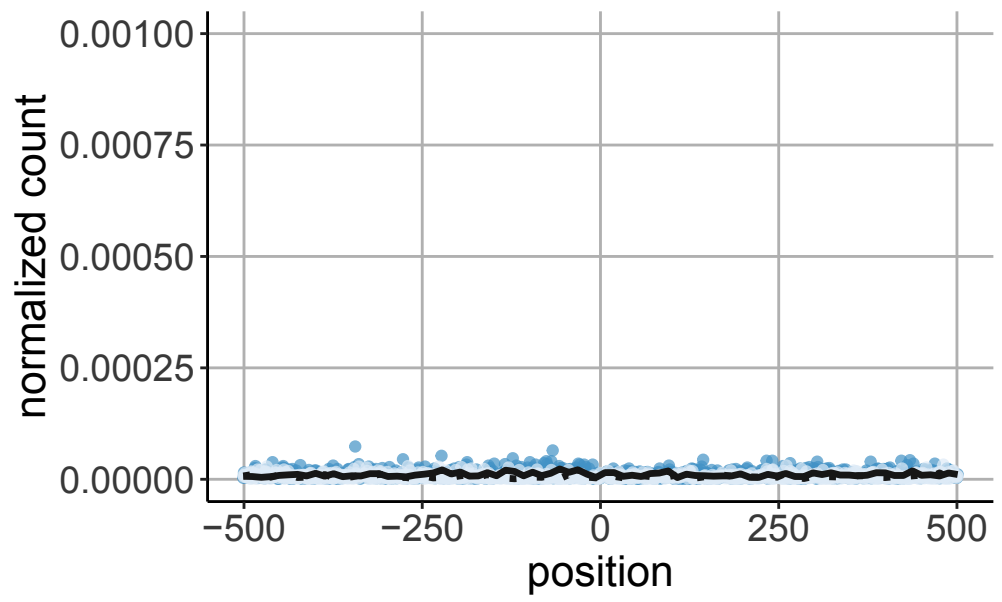
ZC3H8−GCUUGC



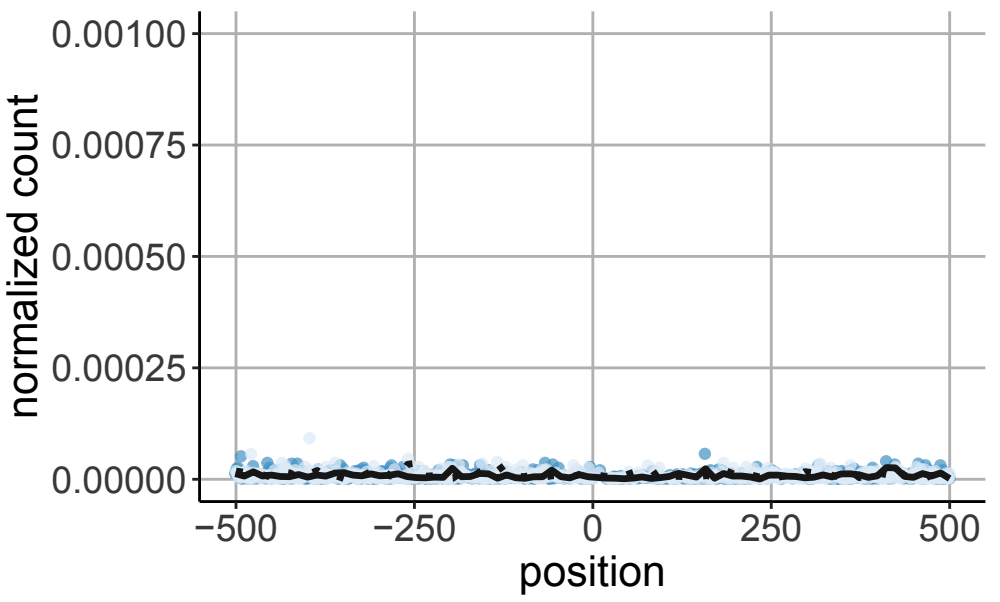

ESRP1_3−GGUGUUGGUG



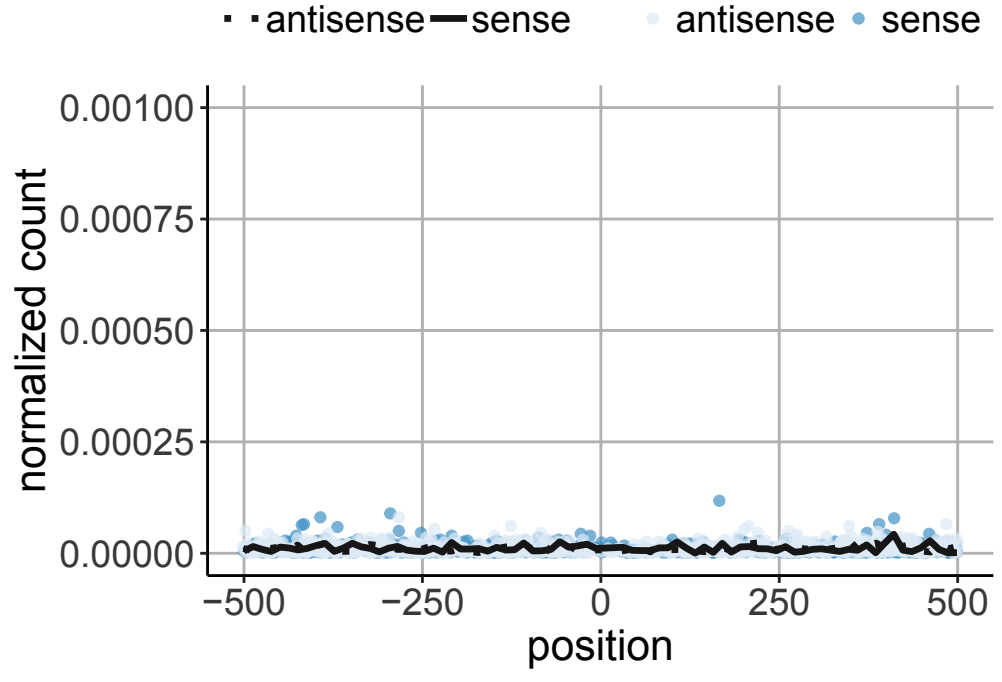

ELAVL3−GUUUUUG



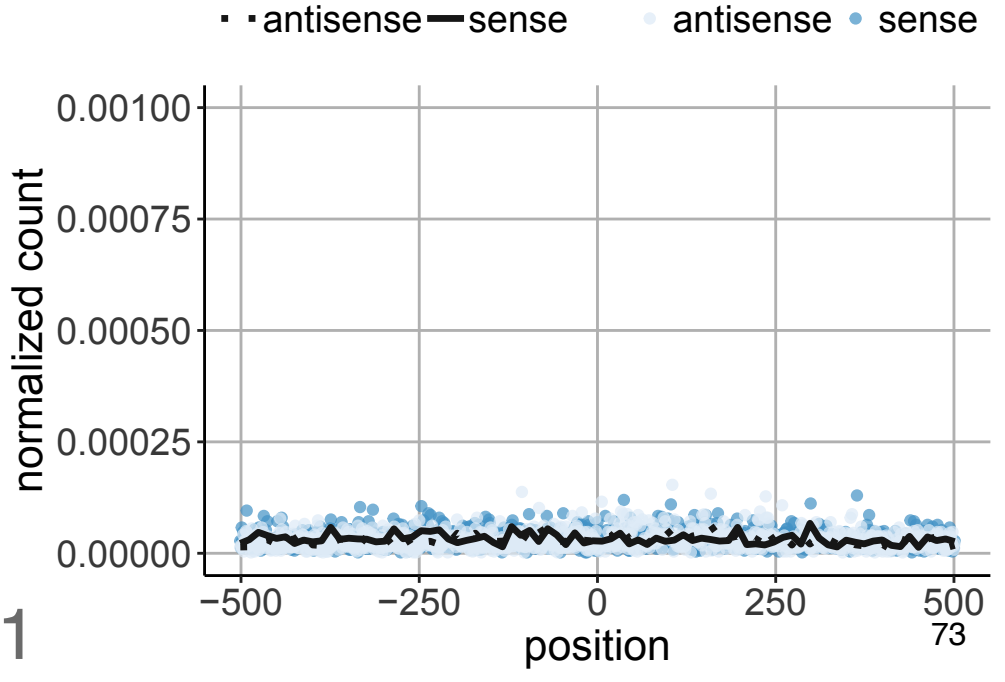

PUM1−NUGUAAAUAG




QKI−NUACUAACAWN

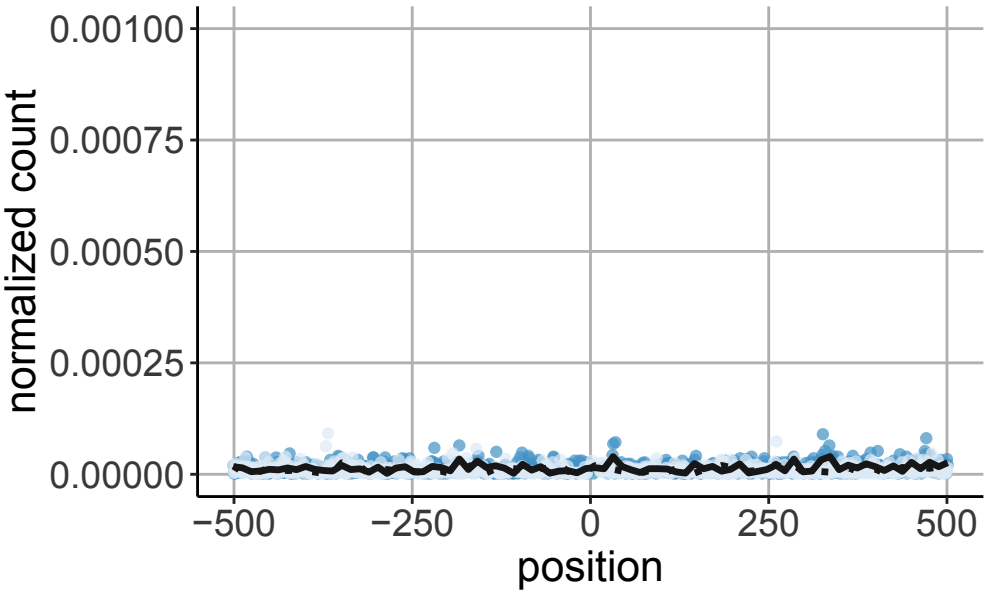



MCM3AP−CGCCAGUGCG

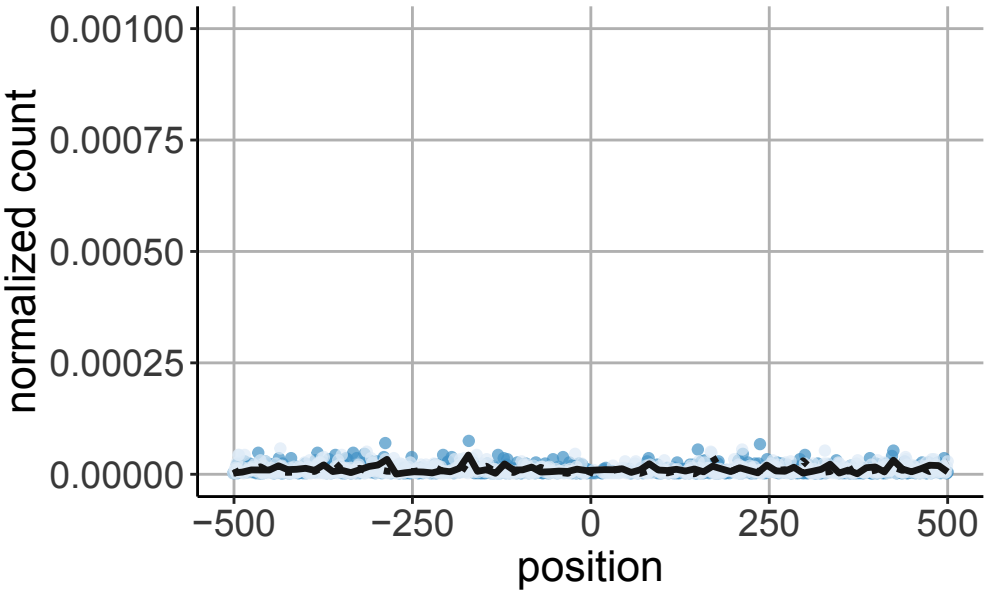


start codon

HNRNPC−UUUUUGGUGG




PABPC5−NUAKAAAKUURCN

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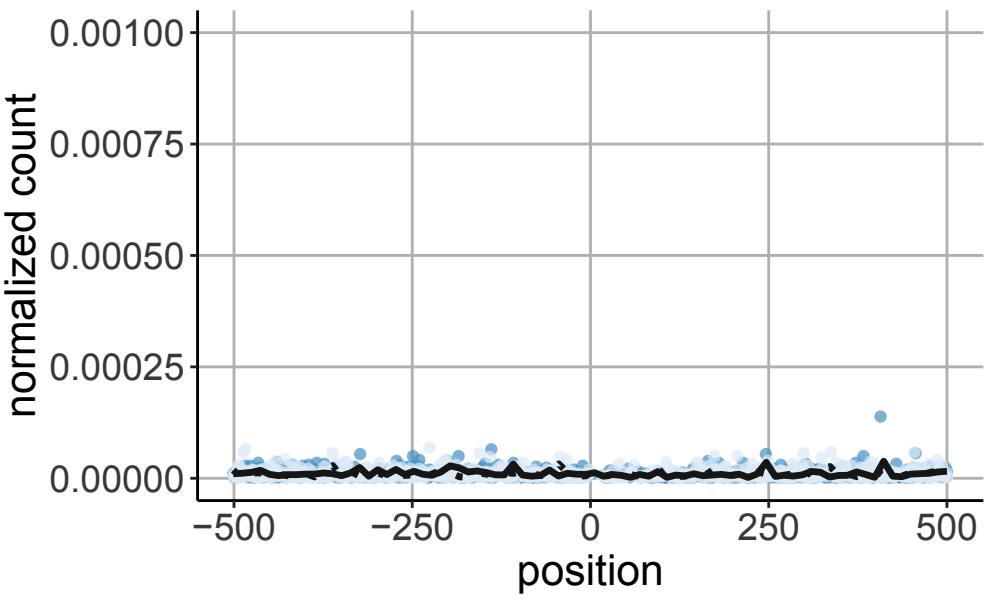
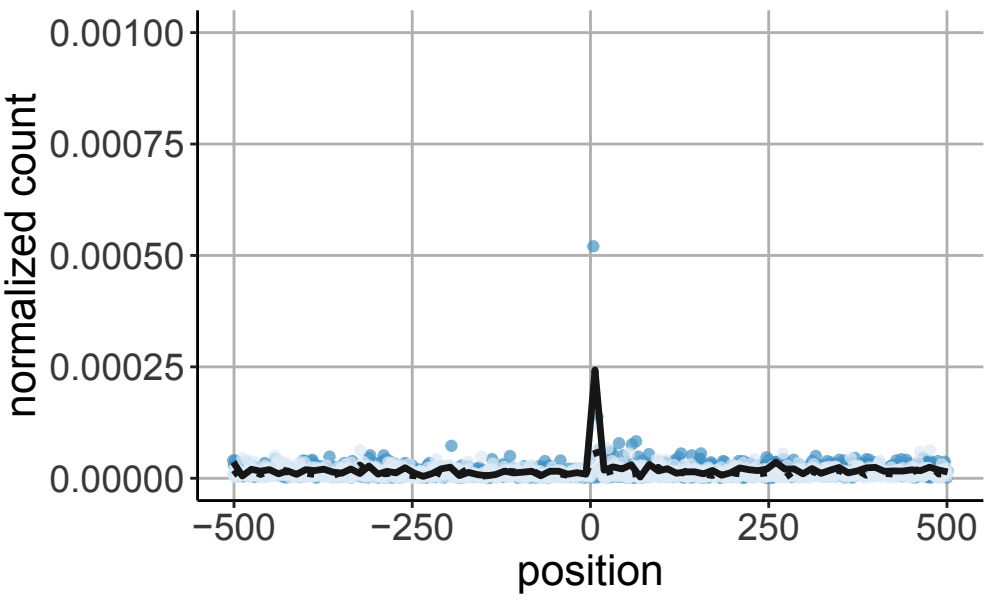
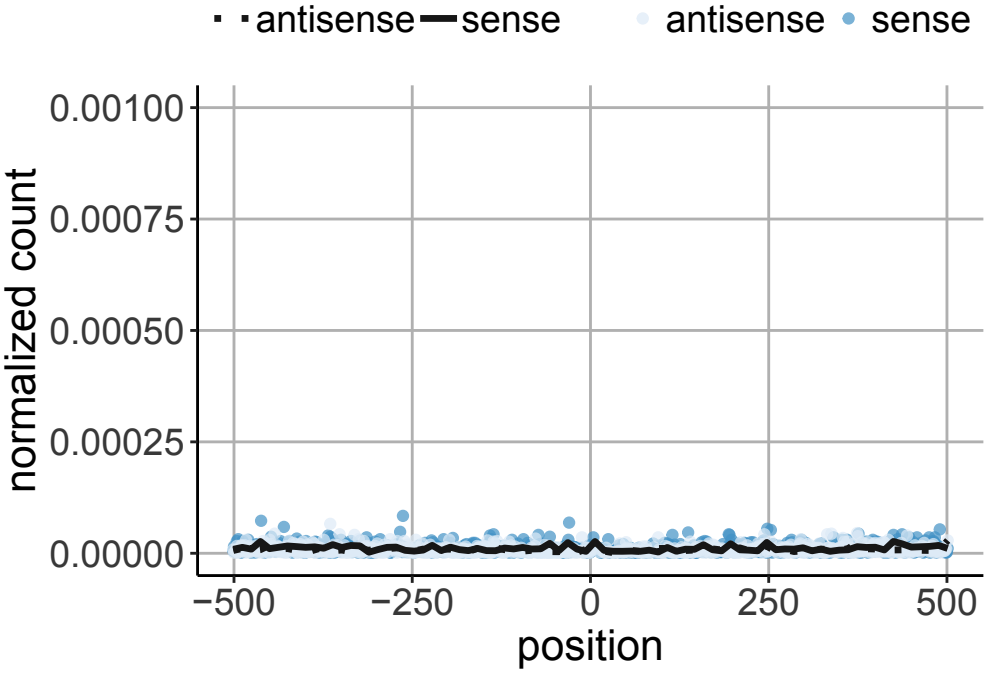


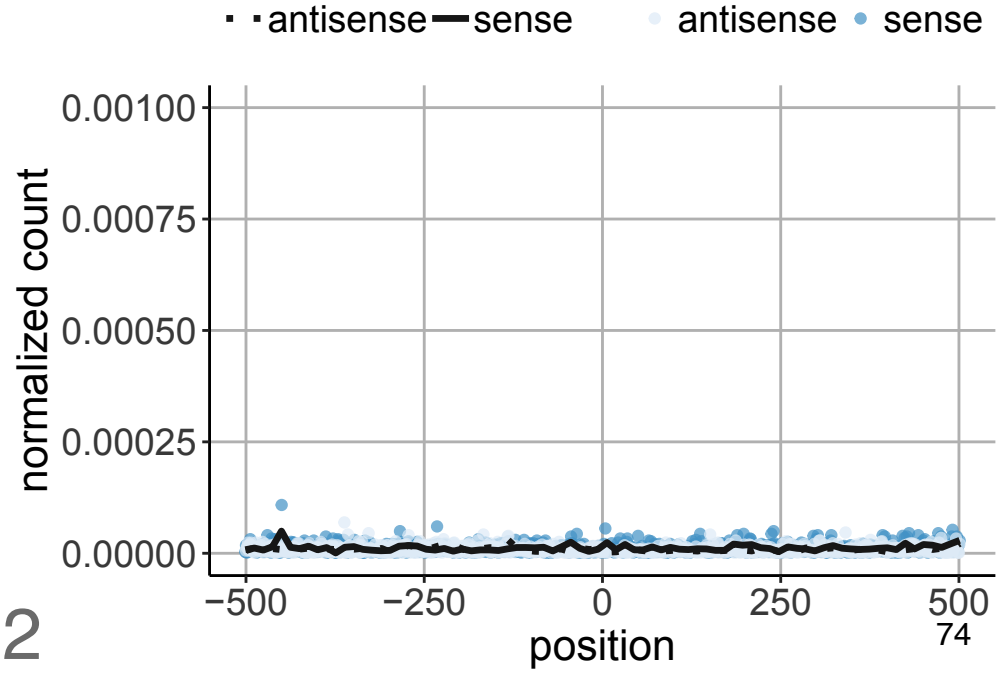

LARP7_4−GRUCGUGAUGN




ZCRB1−GUAUUAAGGG

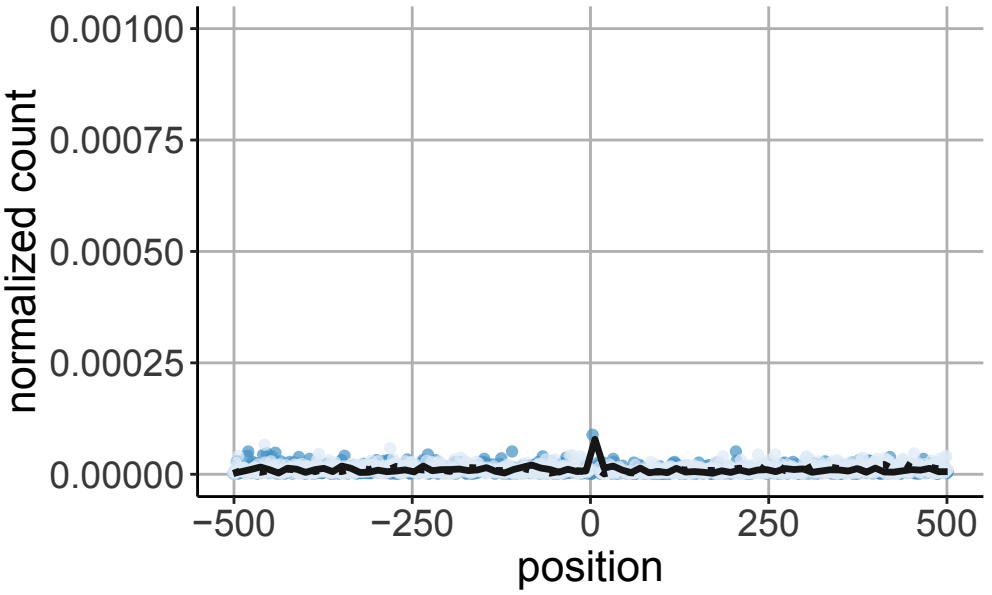



ZCRB1−GUGGACUUAANNN

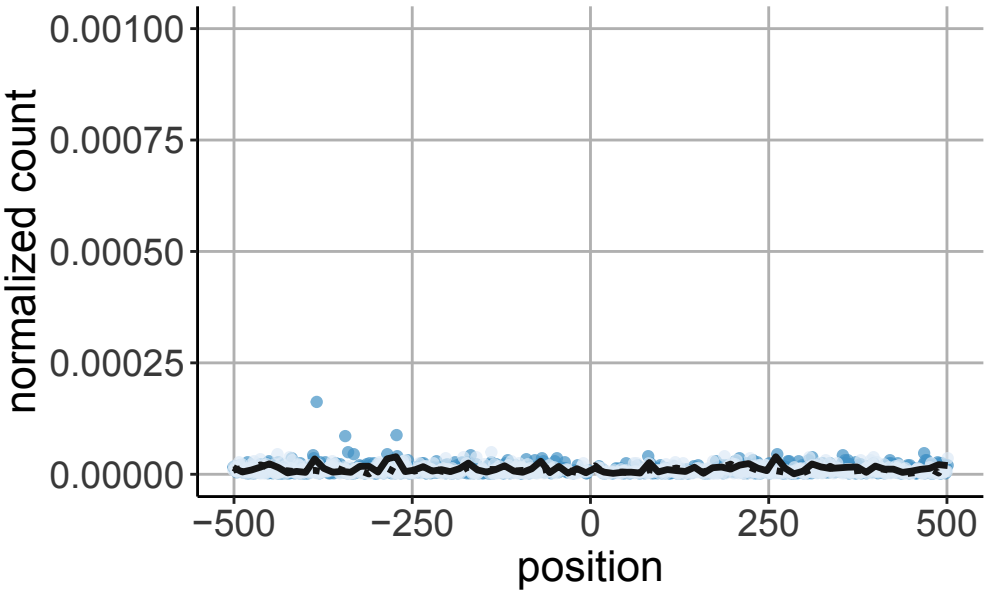


start codon

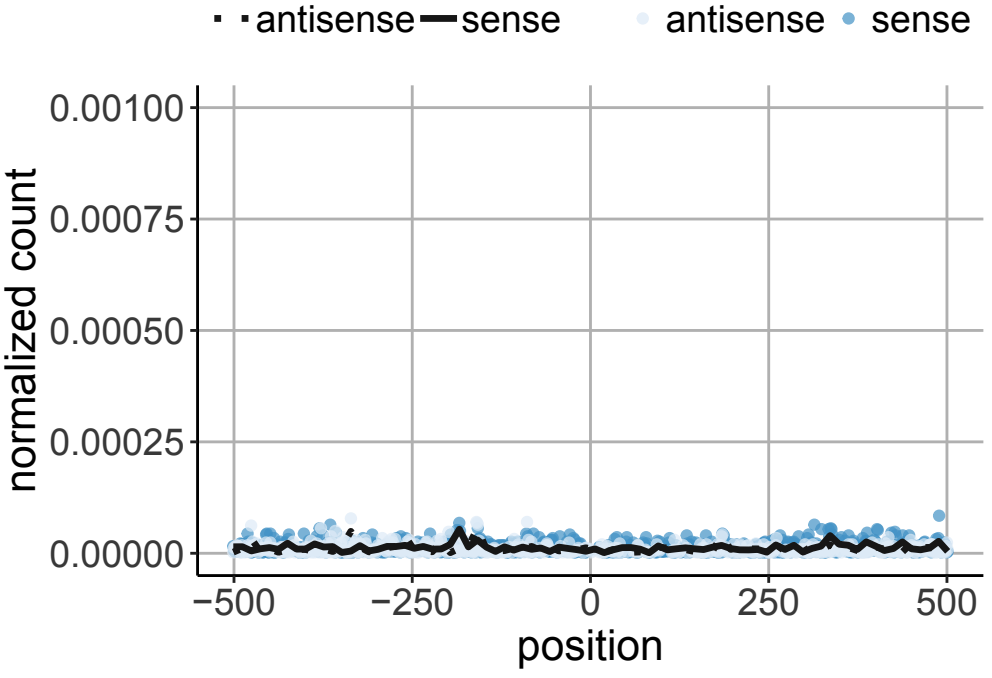
RBM42−NGGAACUAAN



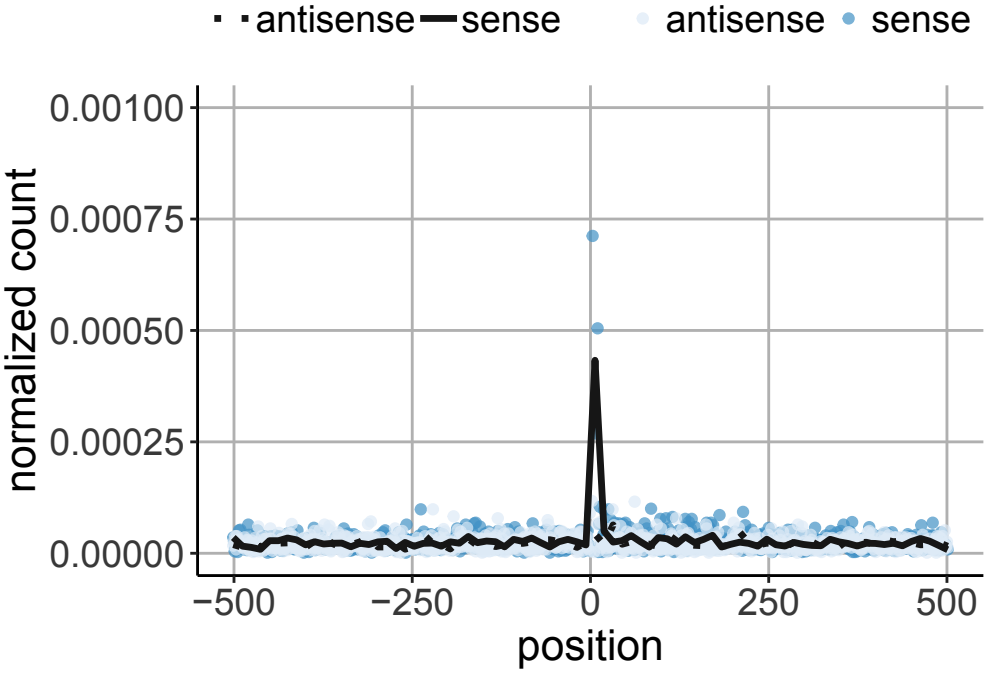

KHDRBS1−UAAUAGN




HNRNPCL1−GUUUUUUGGG




ZFR_4−GUGACGGAUG

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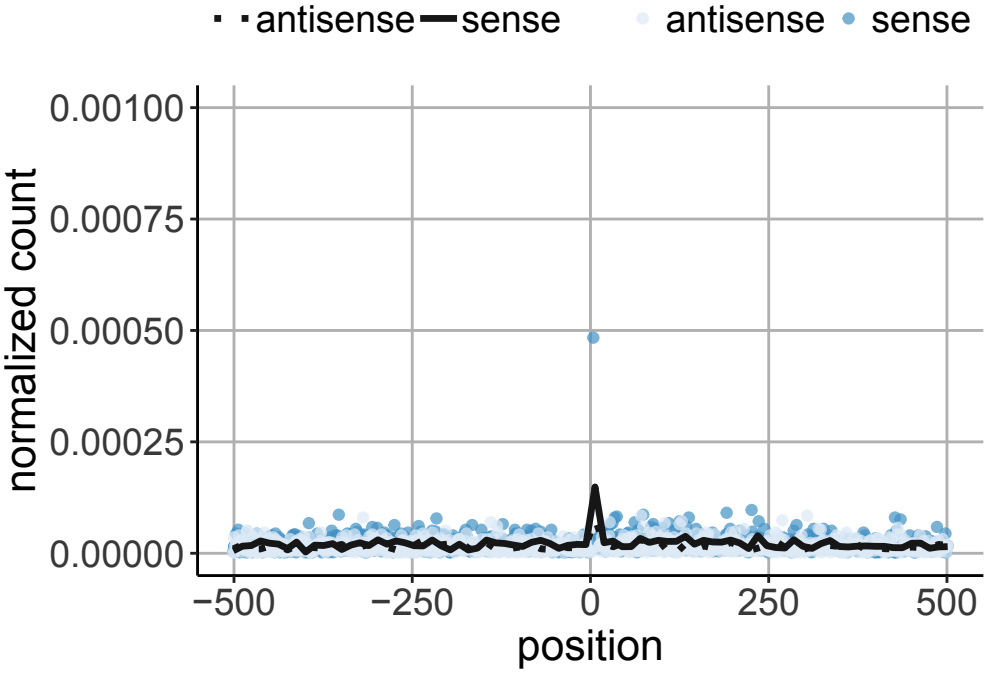
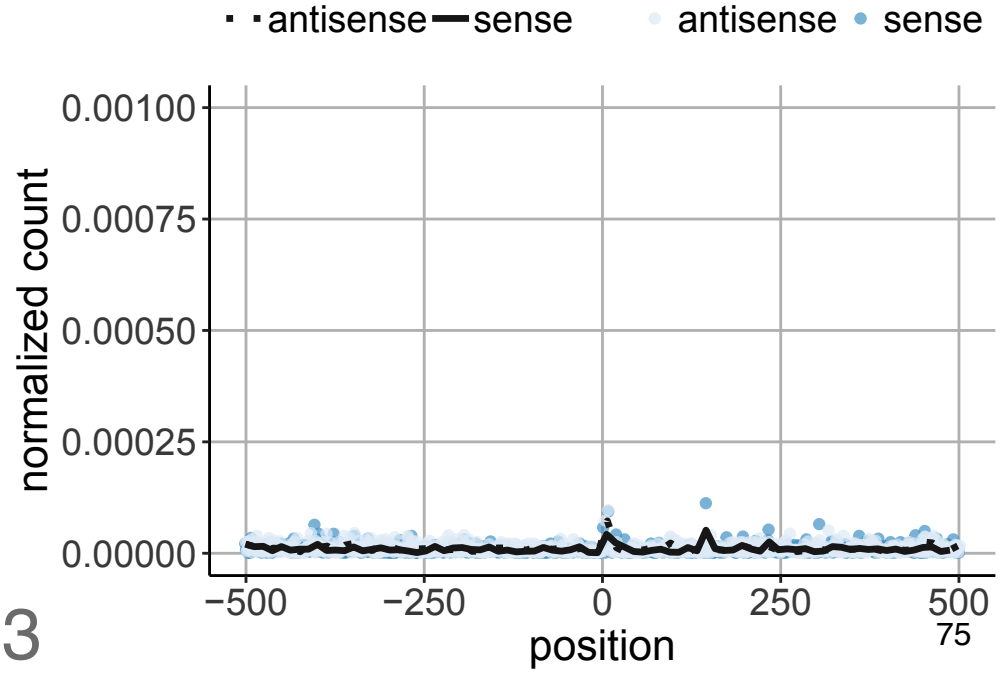
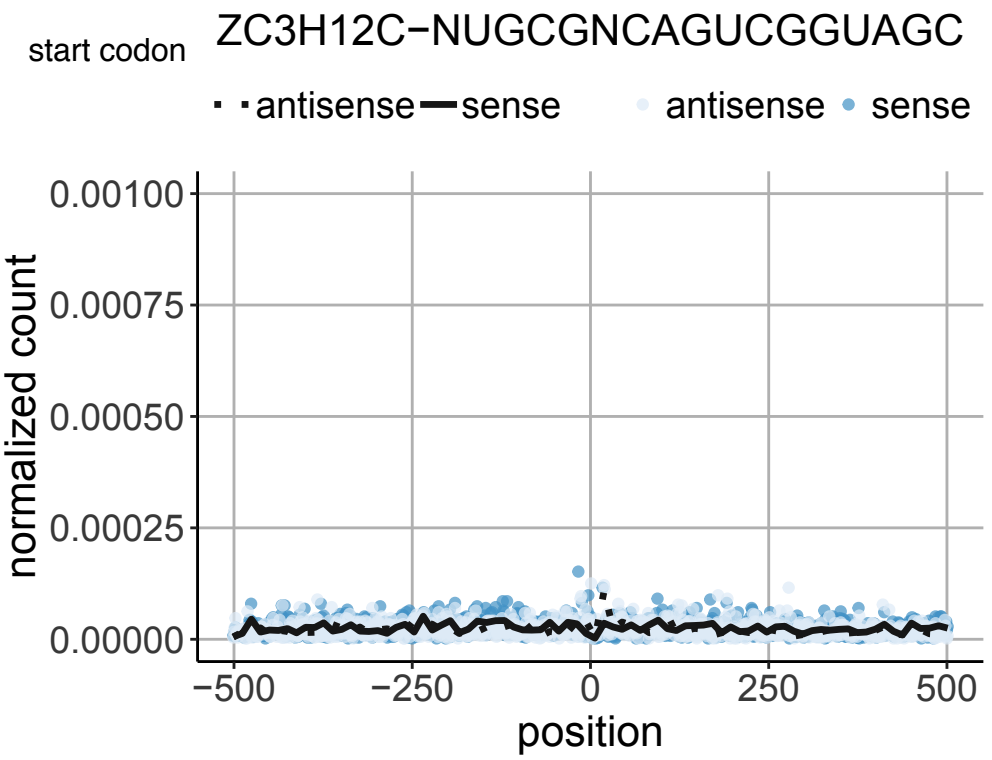



HNRPLL−GCAURCAYCC



start codon


ZC3H12C−NUGCGNCAGUCGGUAGC
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antisense sense
normalized count
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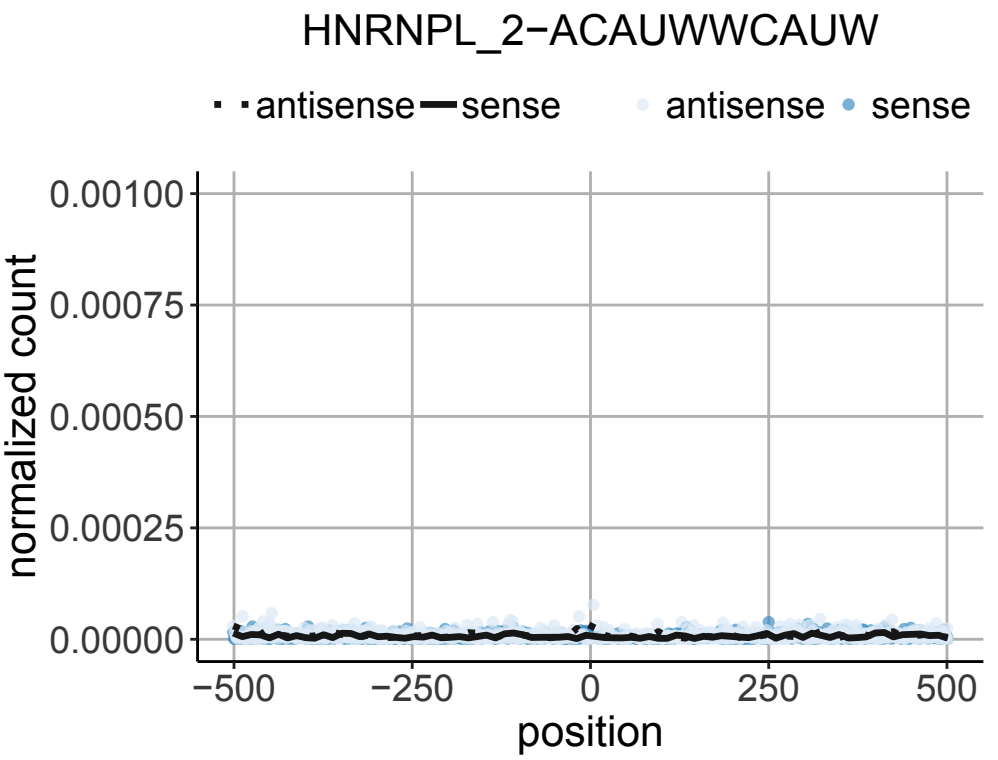
0.00050
0.00025
0.00000
−500
−250
0
250
500
position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antisense sense
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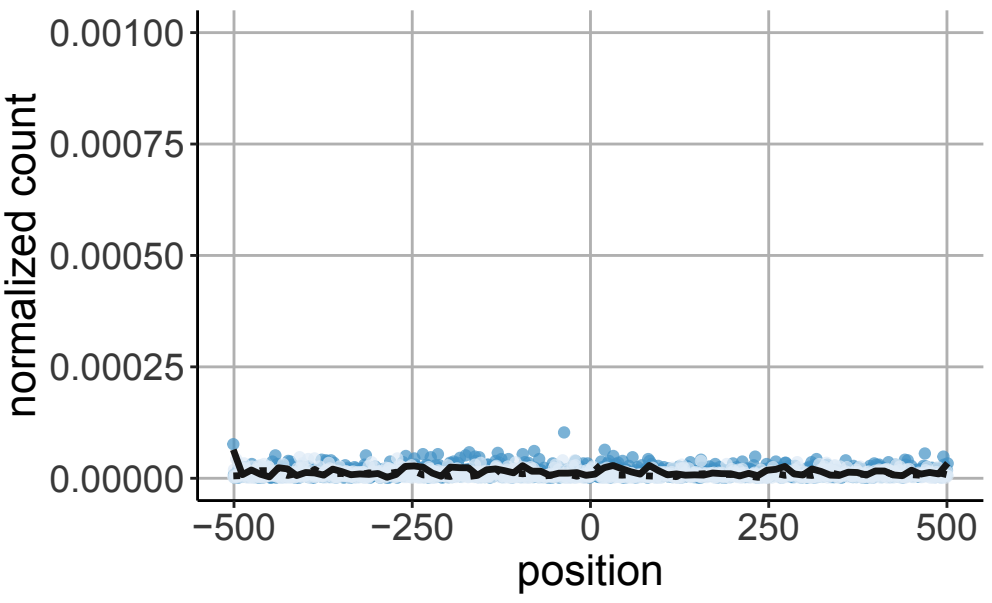
RBMS2−CAGUGAUUGG
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normalized count
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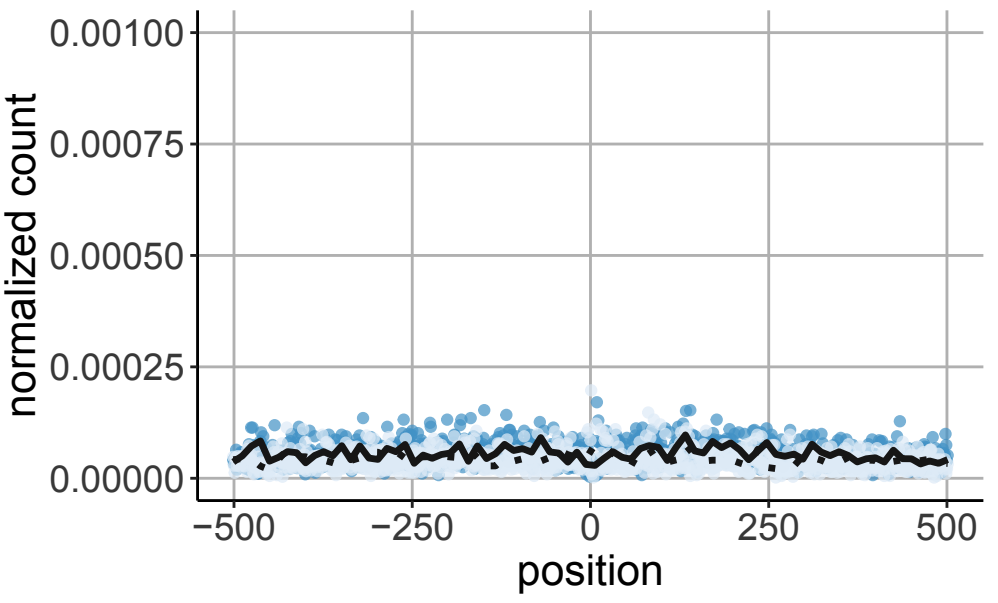
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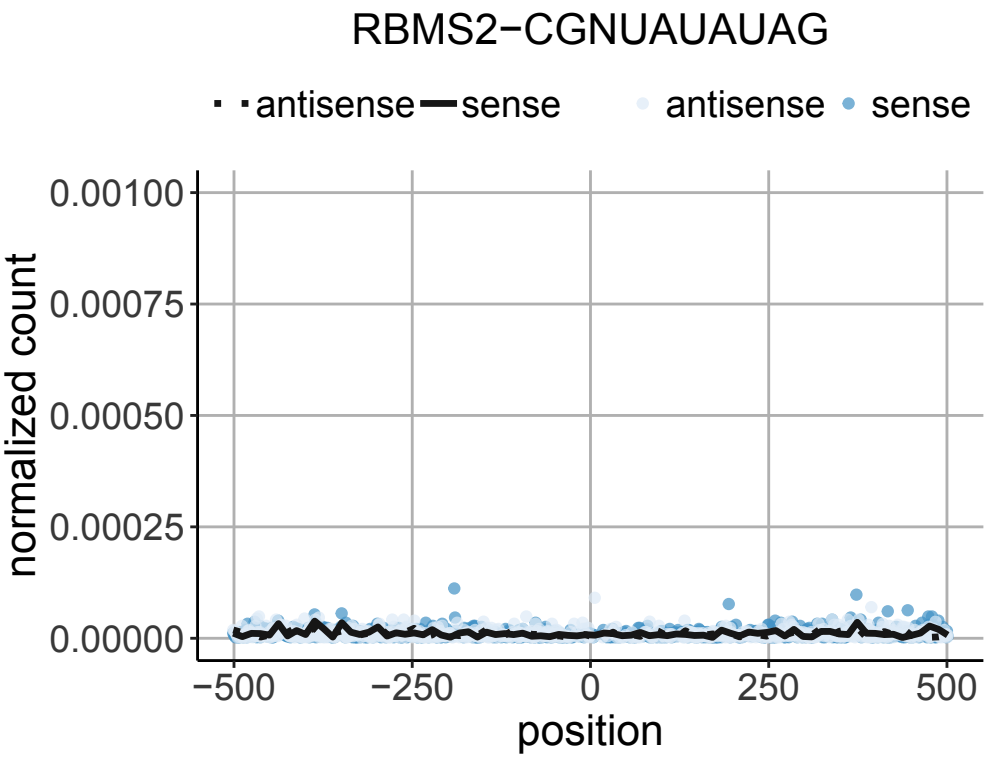
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antisense sense
normalized count
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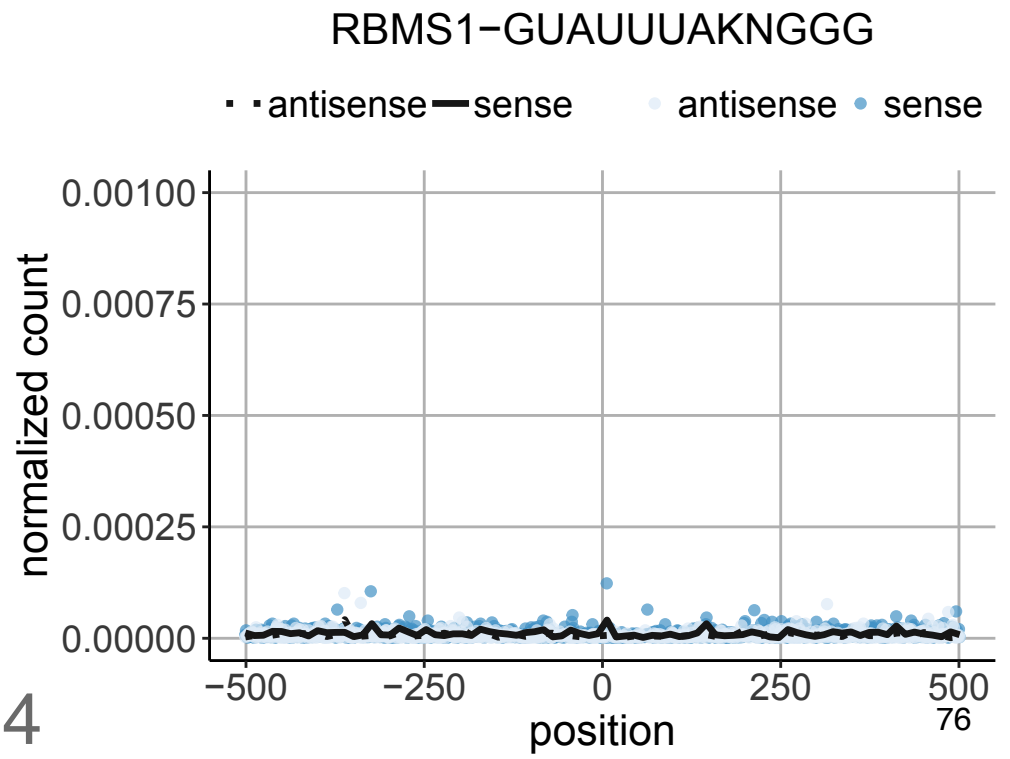
position


RBMS1−GUAUUUAKNGGG
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antisense sense
normalized count
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−500
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250
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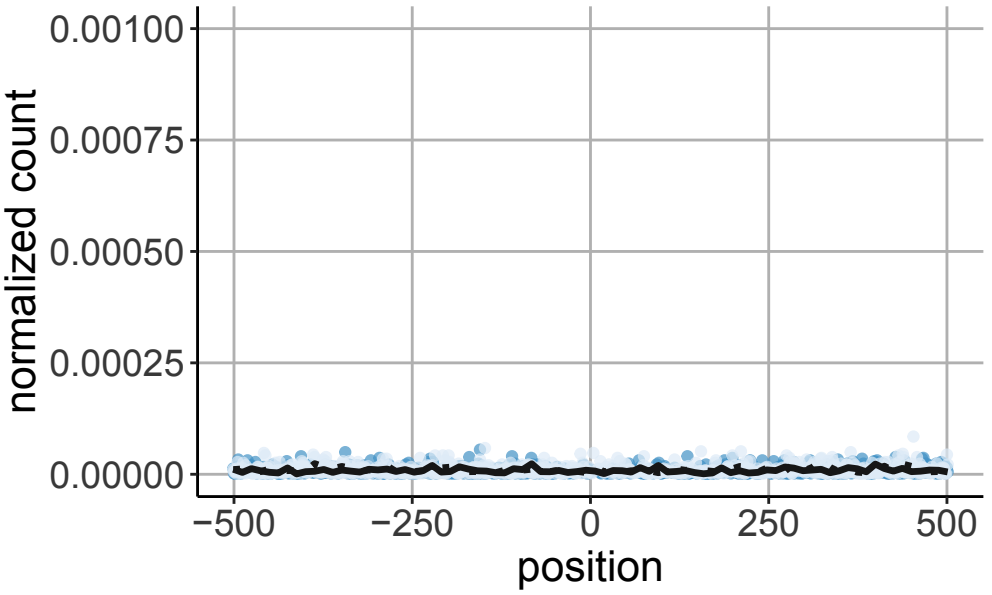
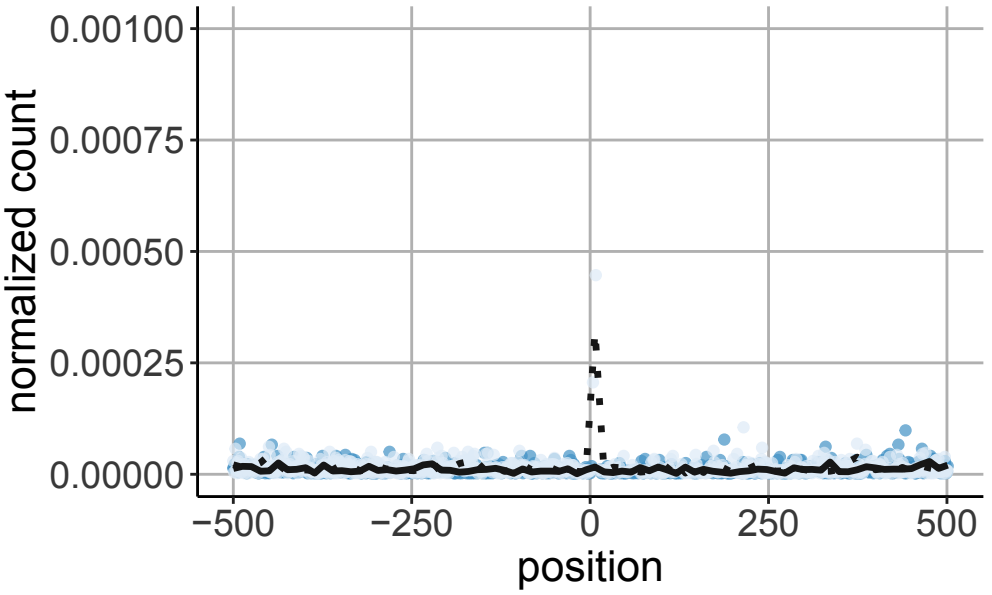
position

start codon

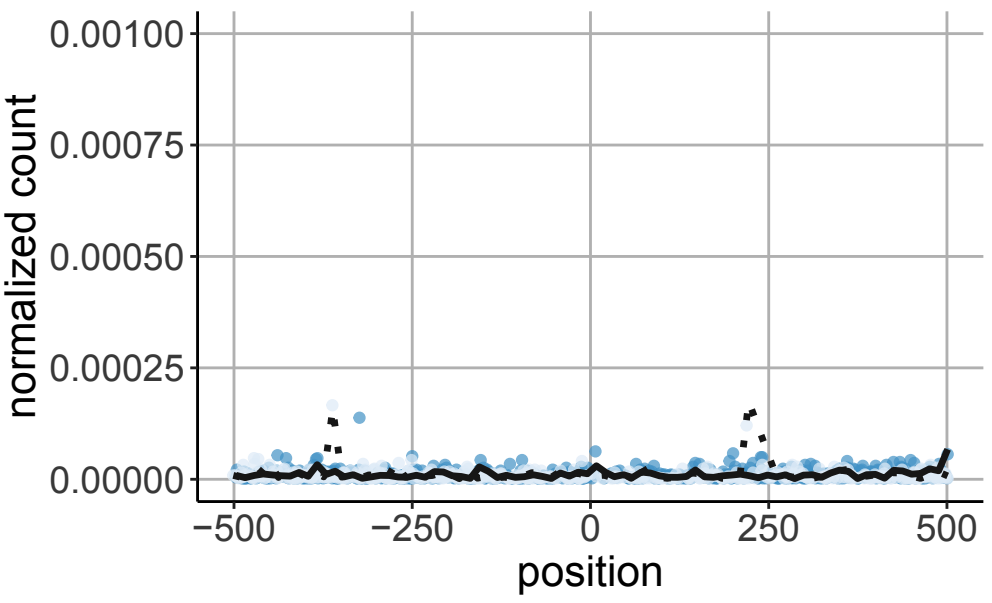
RBMS1−UUAUAAUCAAC



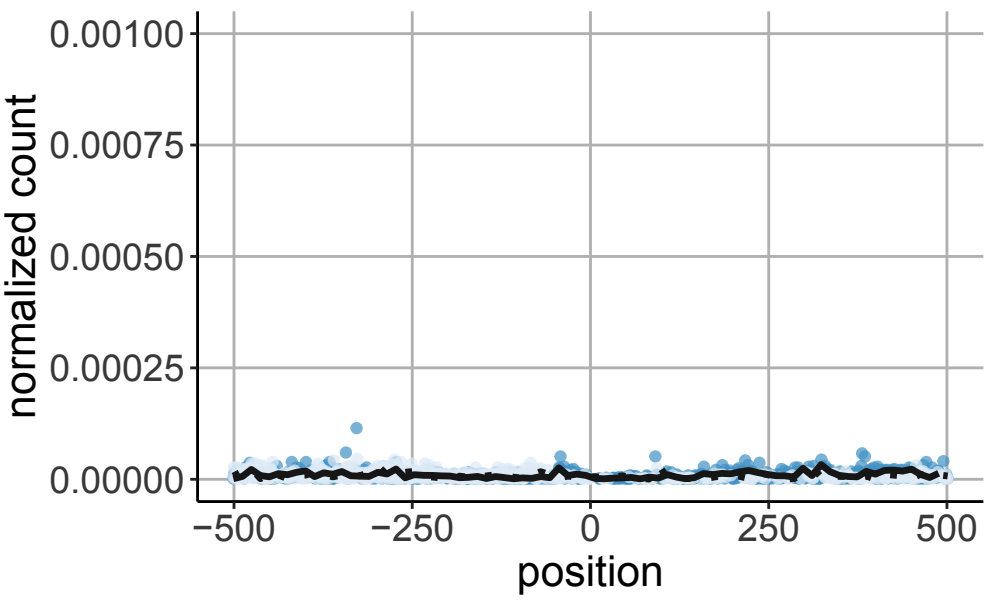

NOVA2_3−UCAUUCAU



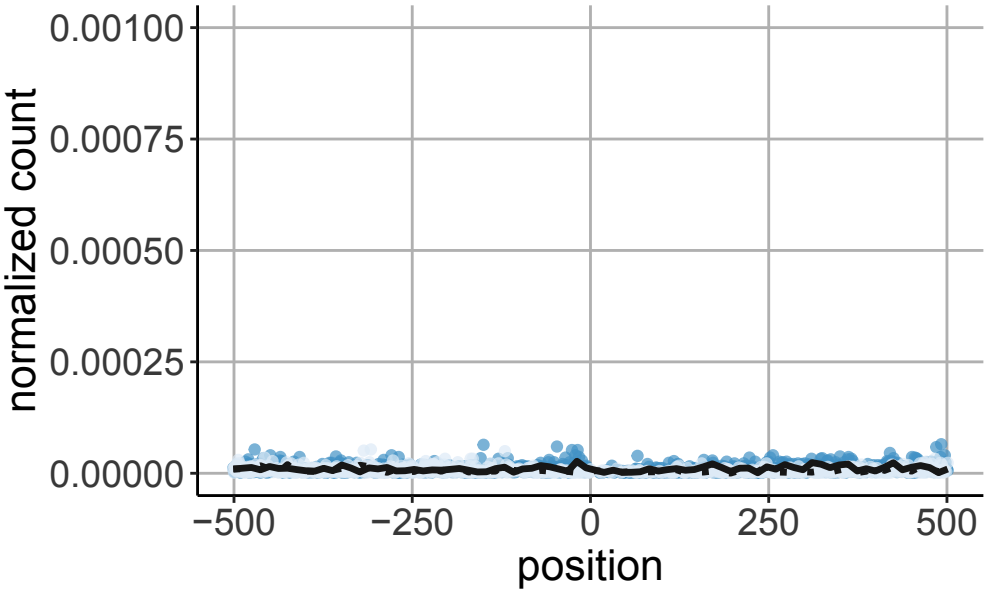

ZFP36−KUAUUUAUGGUGG



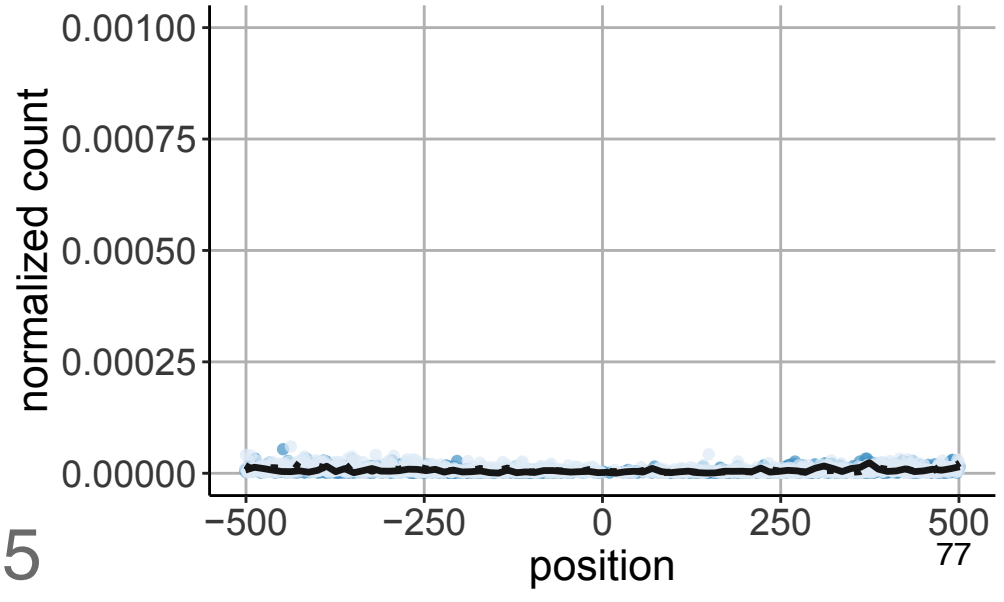

ZFP36−UUAUUUAUU




ELAVL4−UUUUAUUUUG

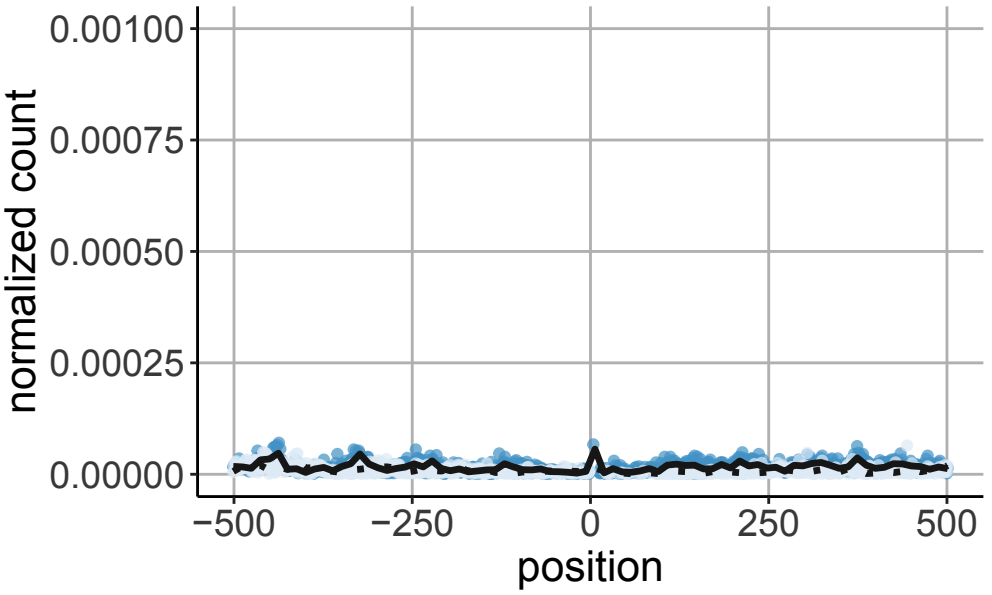



QKI−ACUAACANNACUAACA

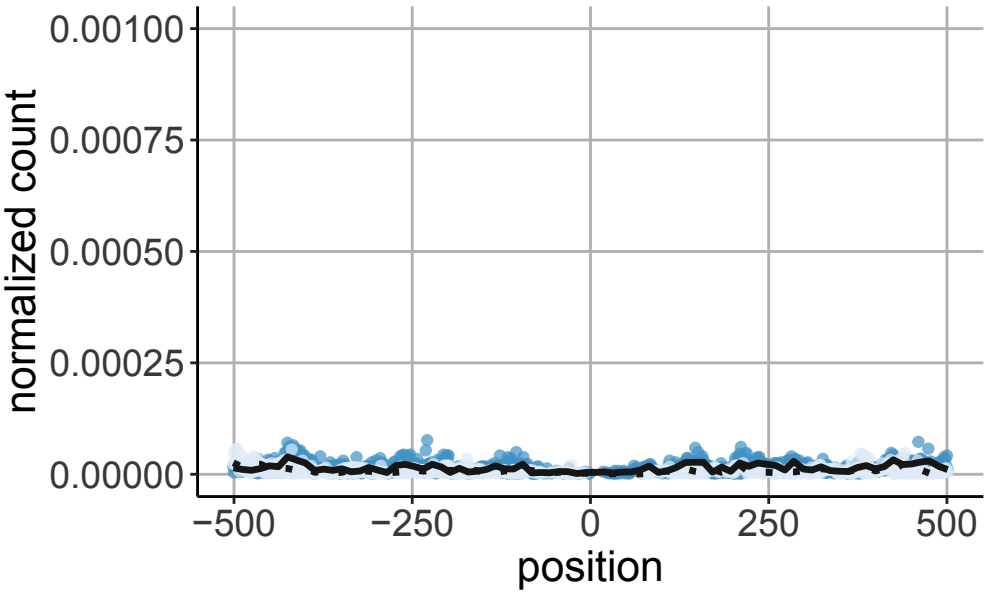


start codon

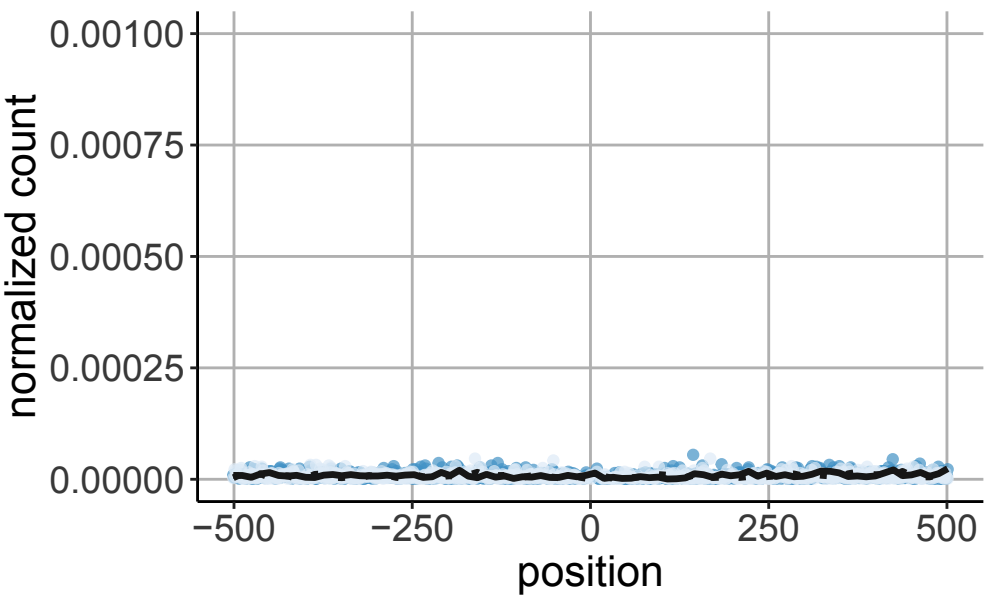
TARDBP−GUGUGAAUGG



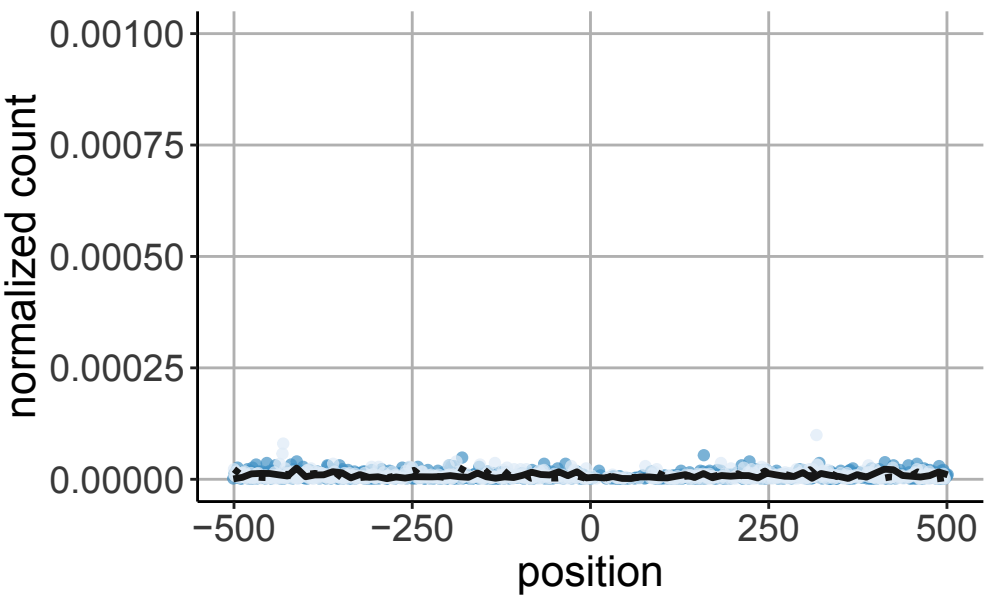

TARDBP−GUGUGNGUGUG



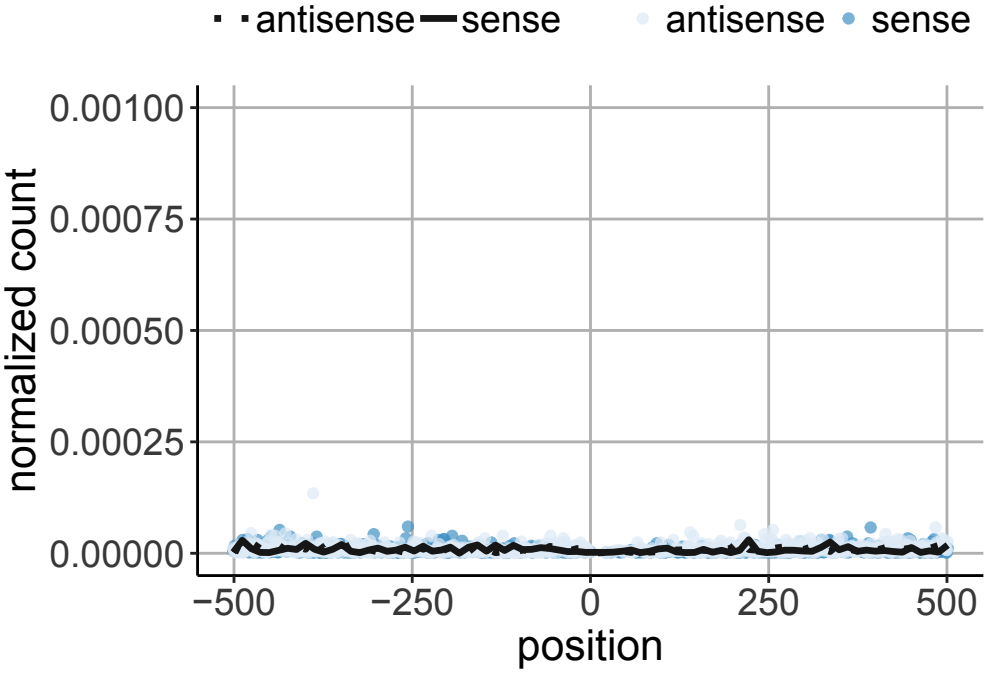

PUM2−NNUGUAYAGK



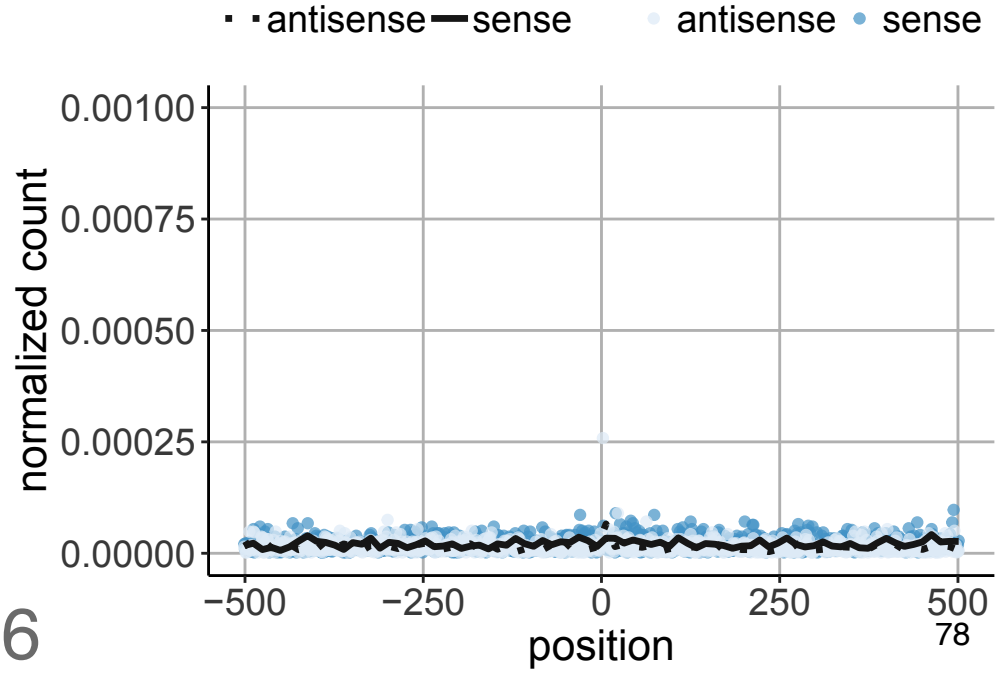

PUM2−NUGUAAAUAGKN




KHDRBS3−UAAANNNNNNNUAAA

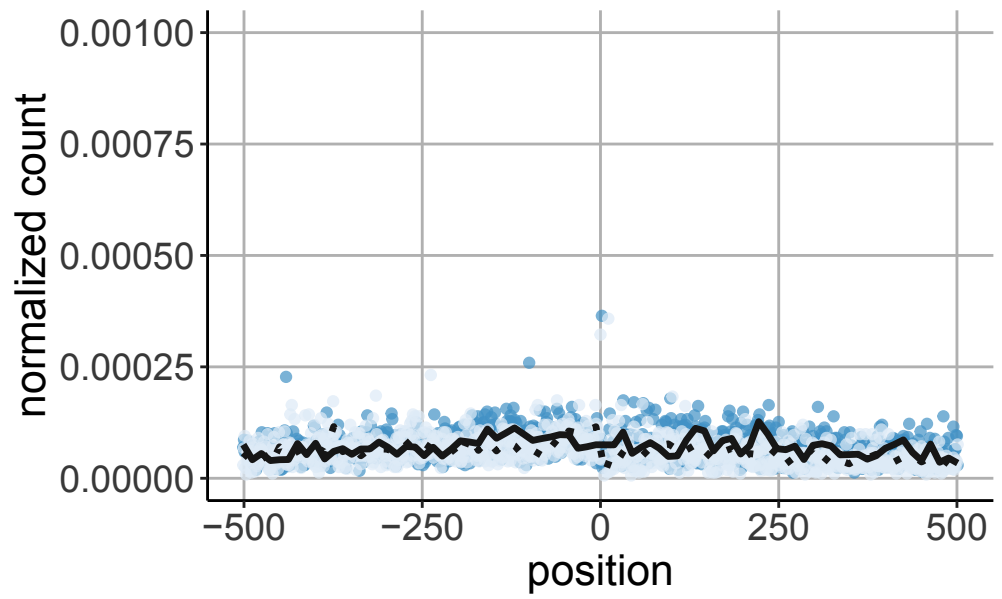



THUMPD1−UUCGUGGCUUG

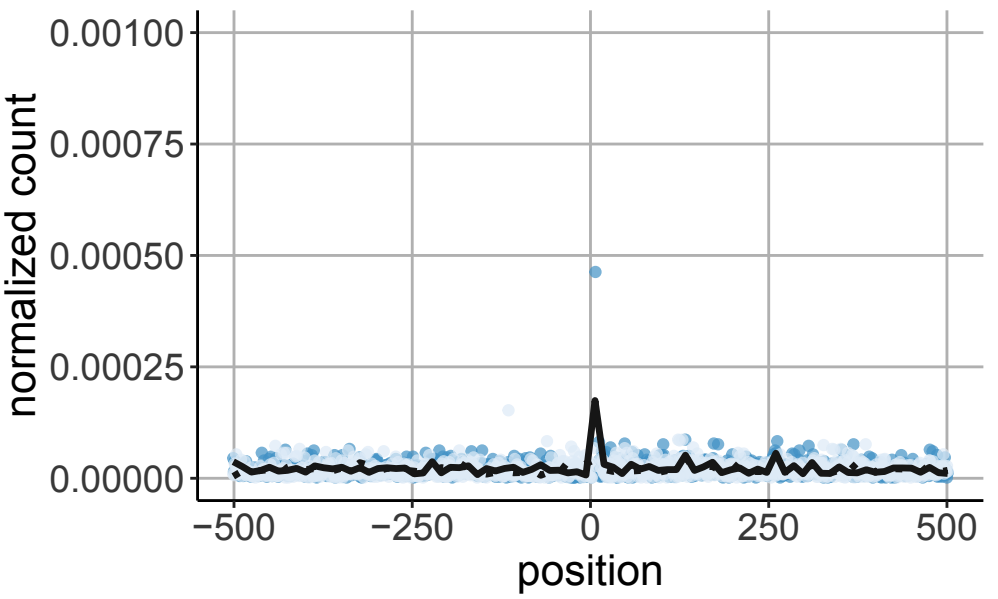


start codon

THUMPD1−WGCGCGGUYUU




ZFR_4−GGCACGGAUG

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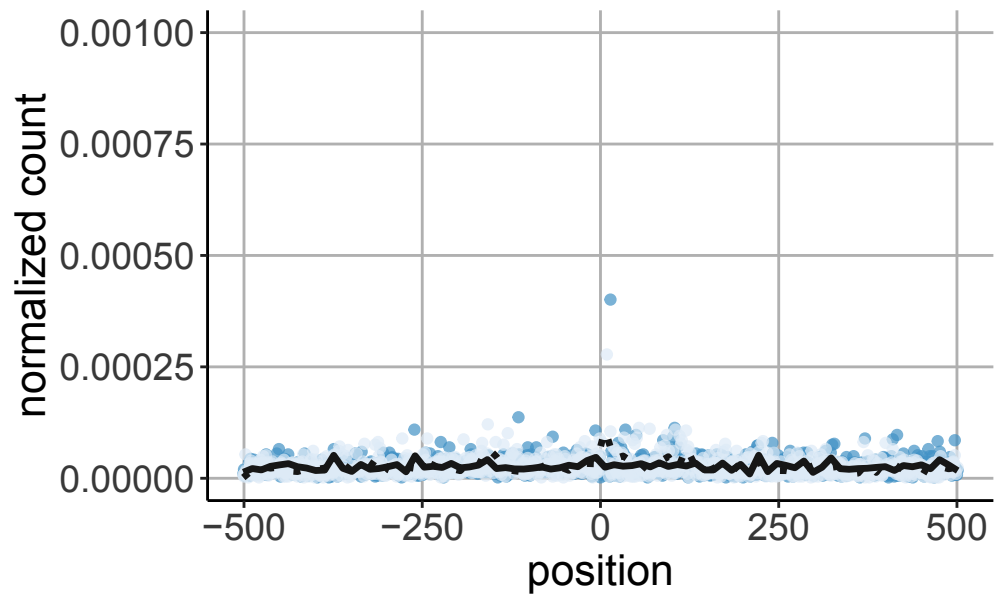
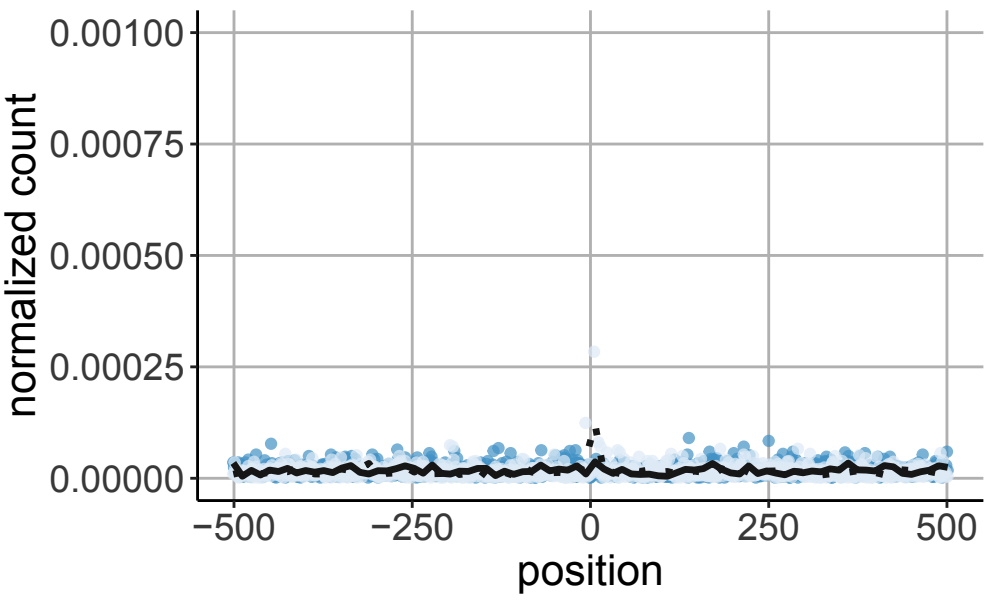
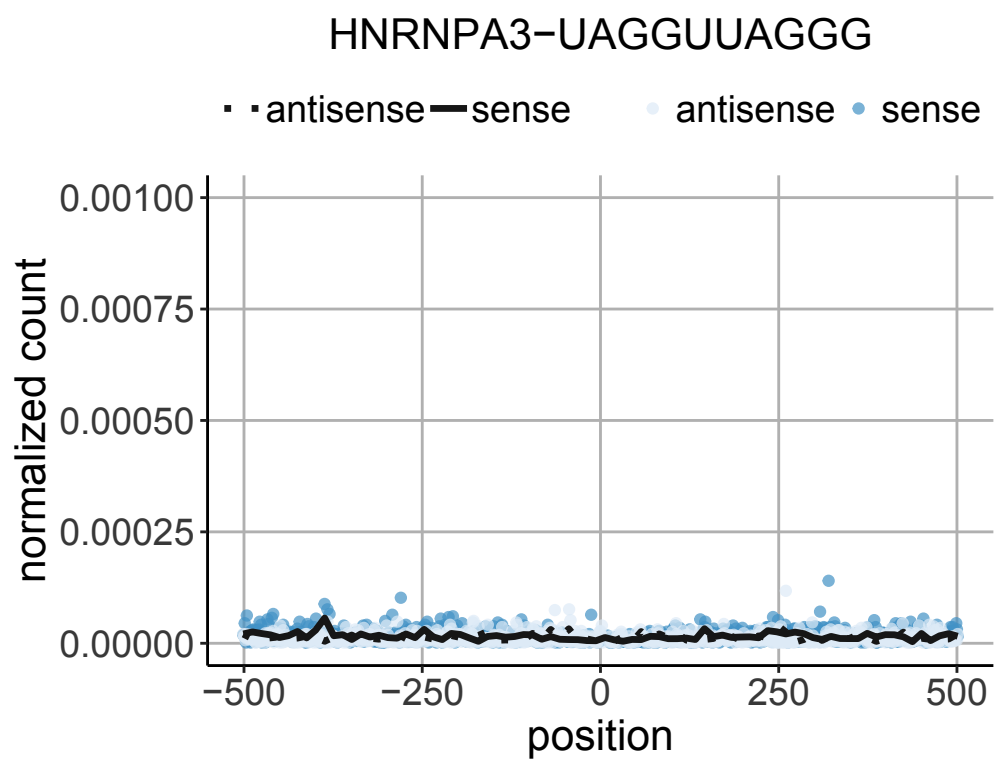


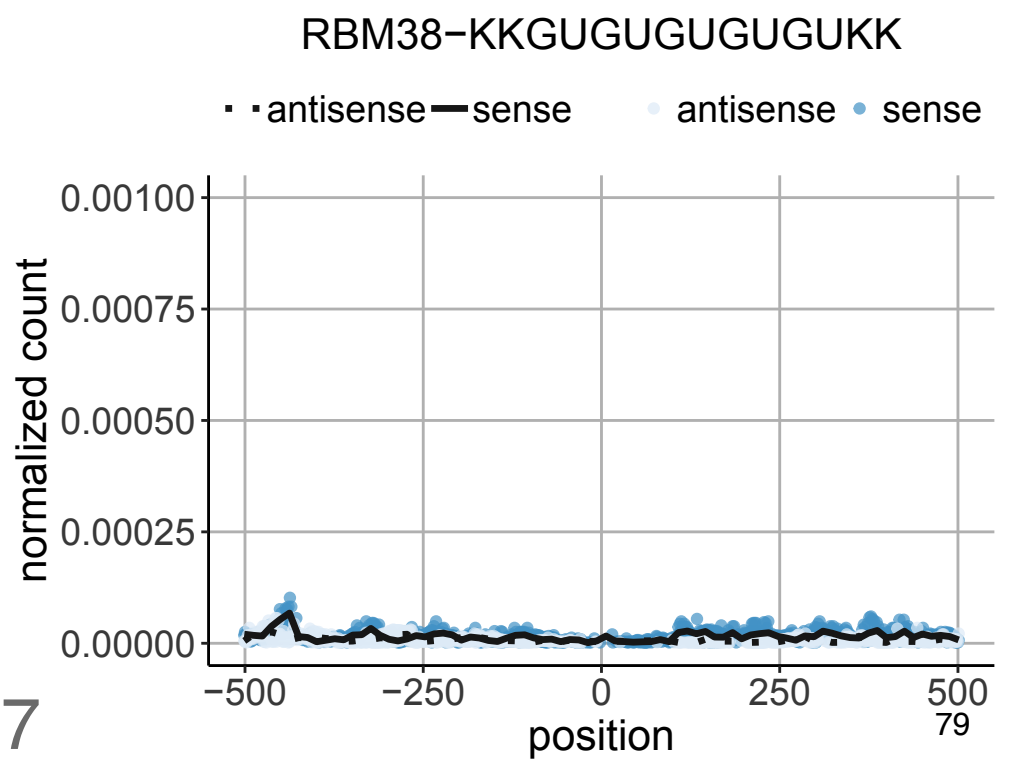

PCBP1−UCCUUNNCCUU




HNRNPA3−UAGGUUAGGG

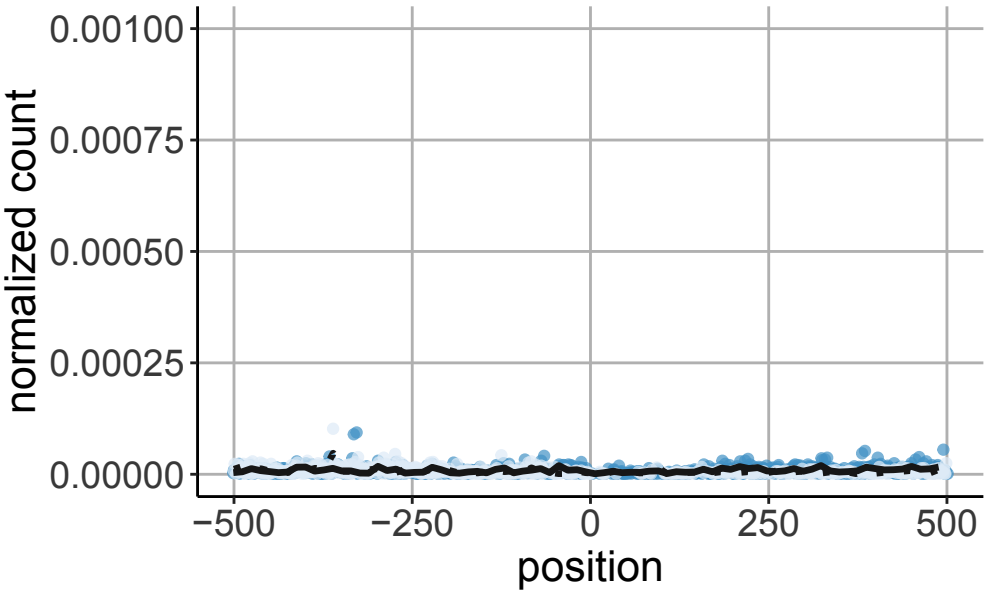



RBM38−KKGUGUGUGUGUKK

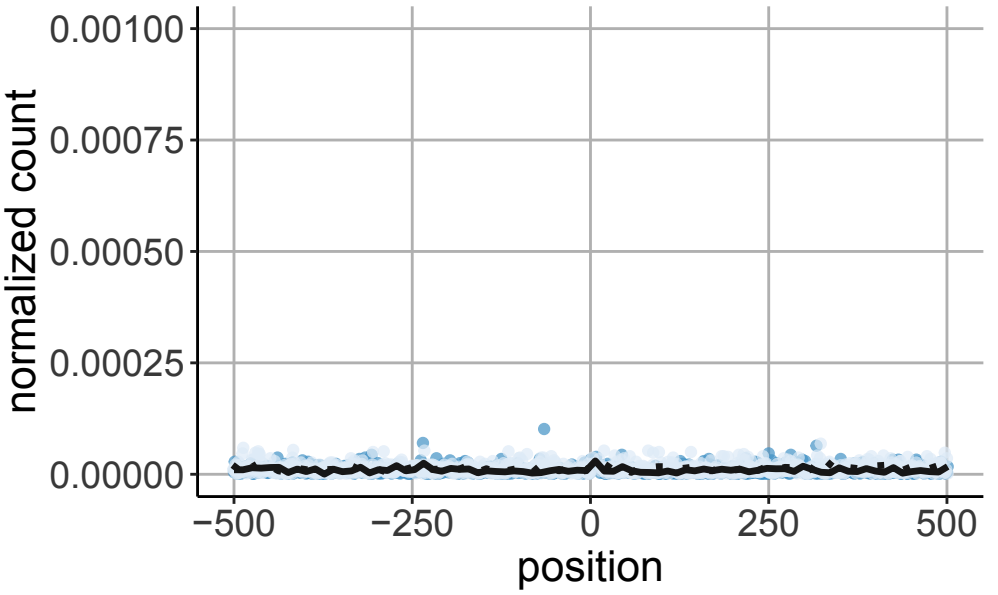


start codon

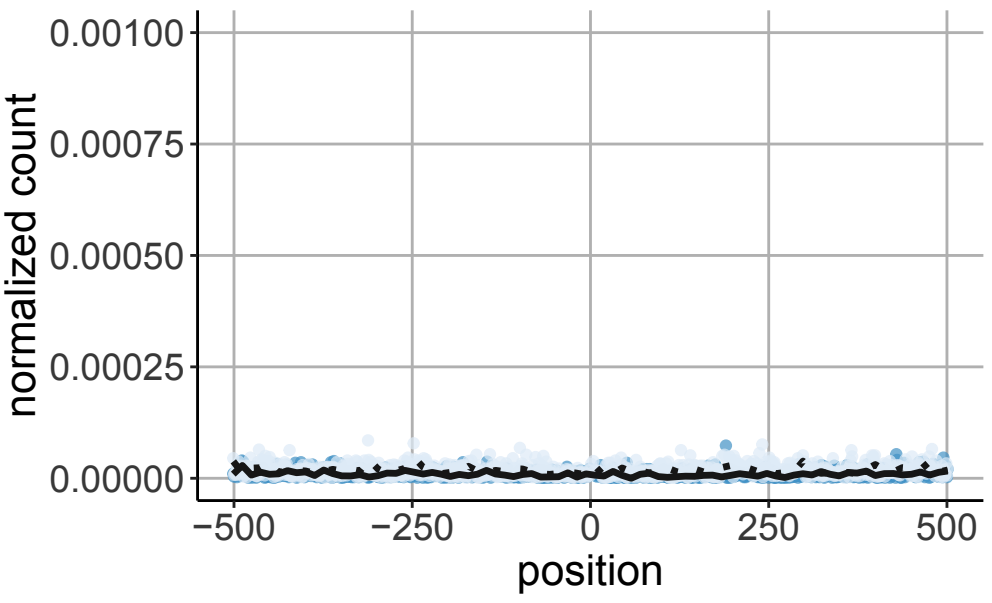
MEX3D−UNURUUUAUU




RBPMS2−CACAGNGCACA




RBPMS2−UCACRUGCACA

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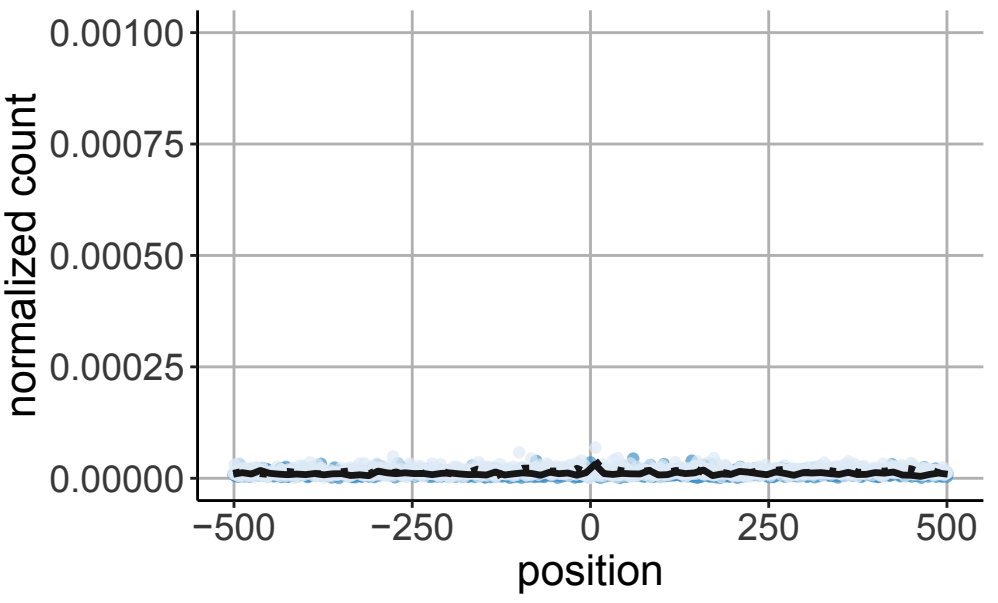
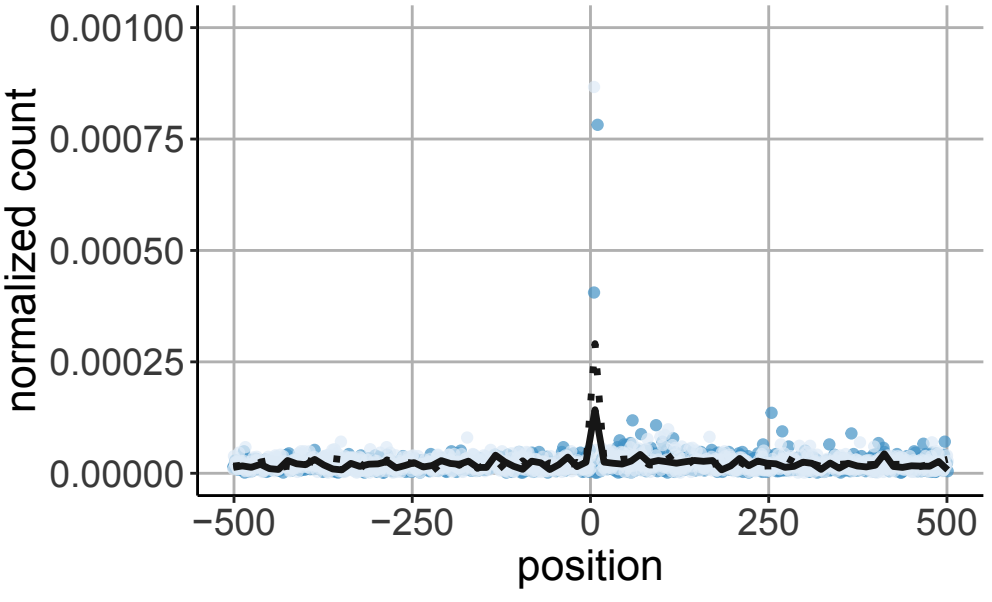
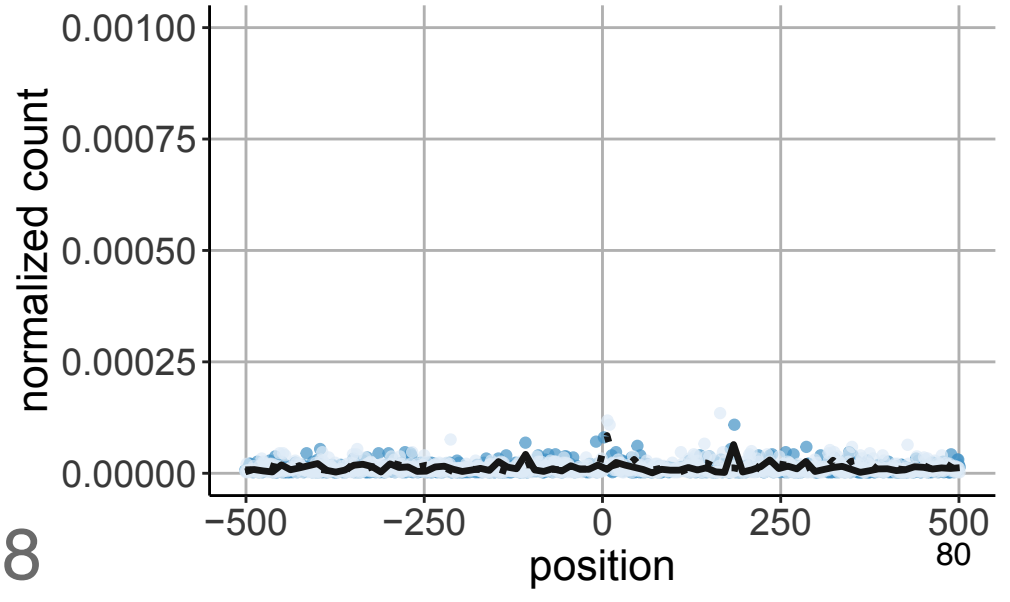



YBX2−GCCAUNNNAUCGC

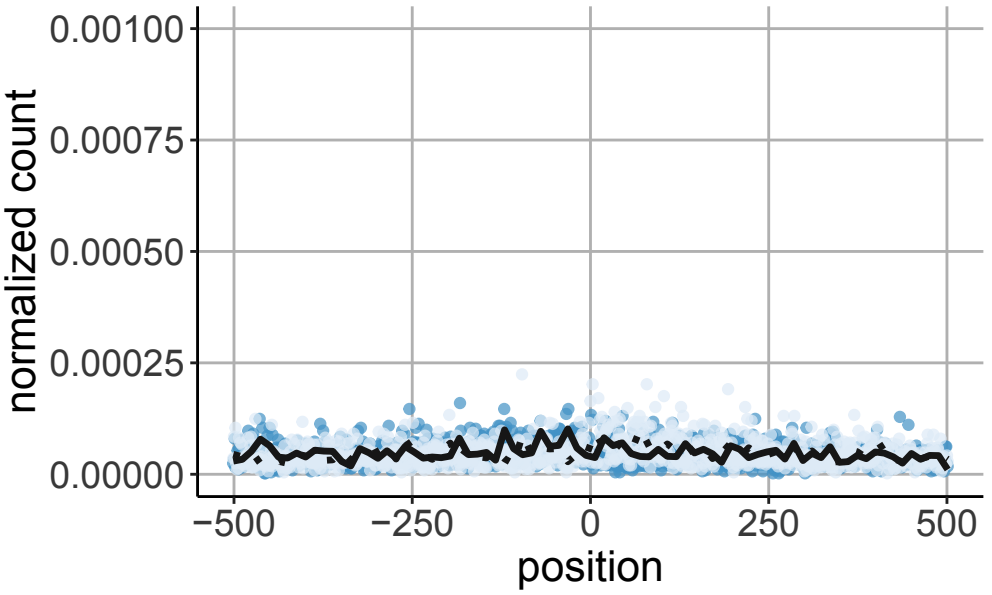



YBX2−NUAACAUCNN

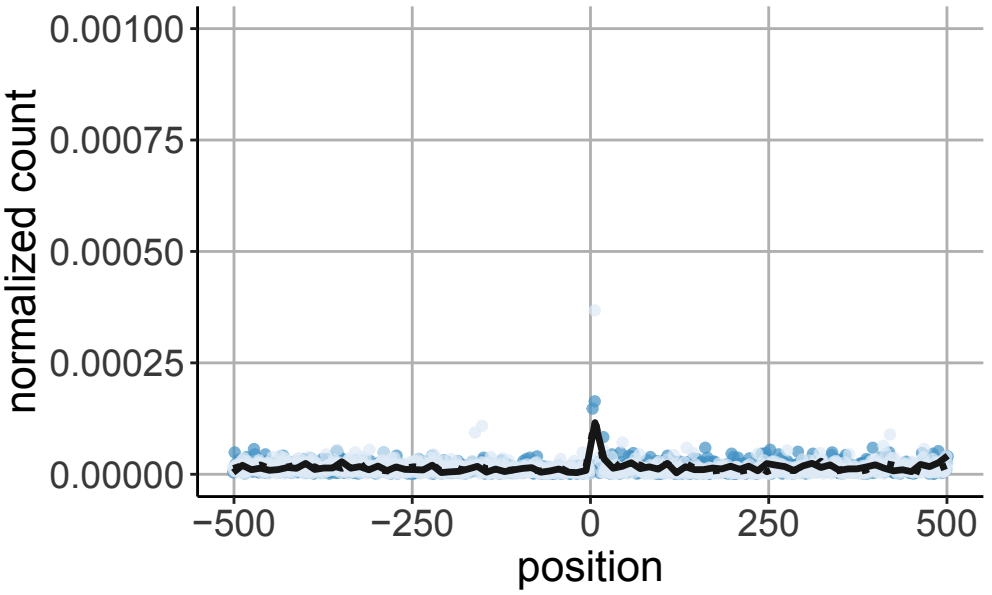


start codon

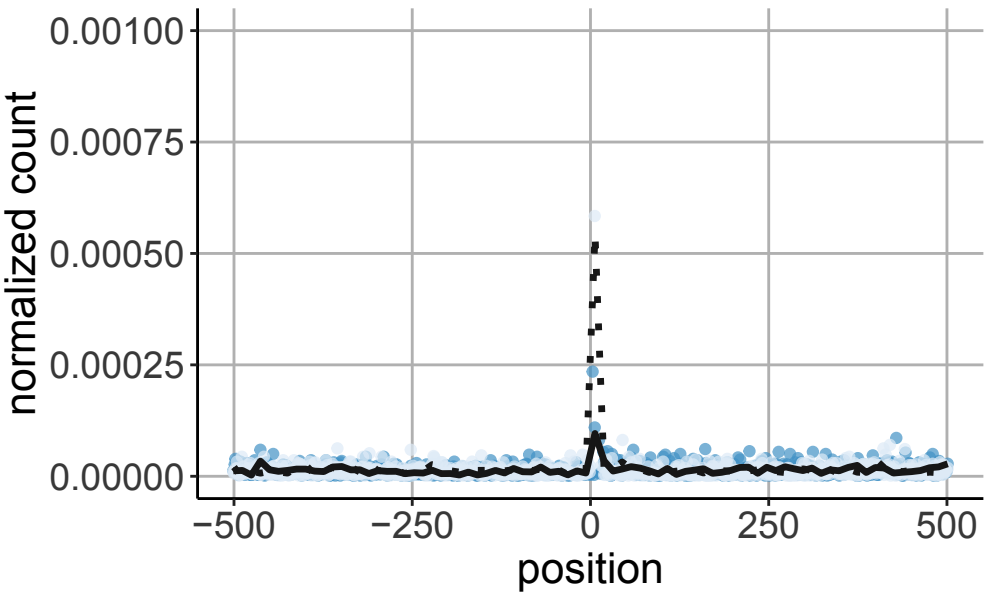
CSTF2T−CGUAGCGUCU



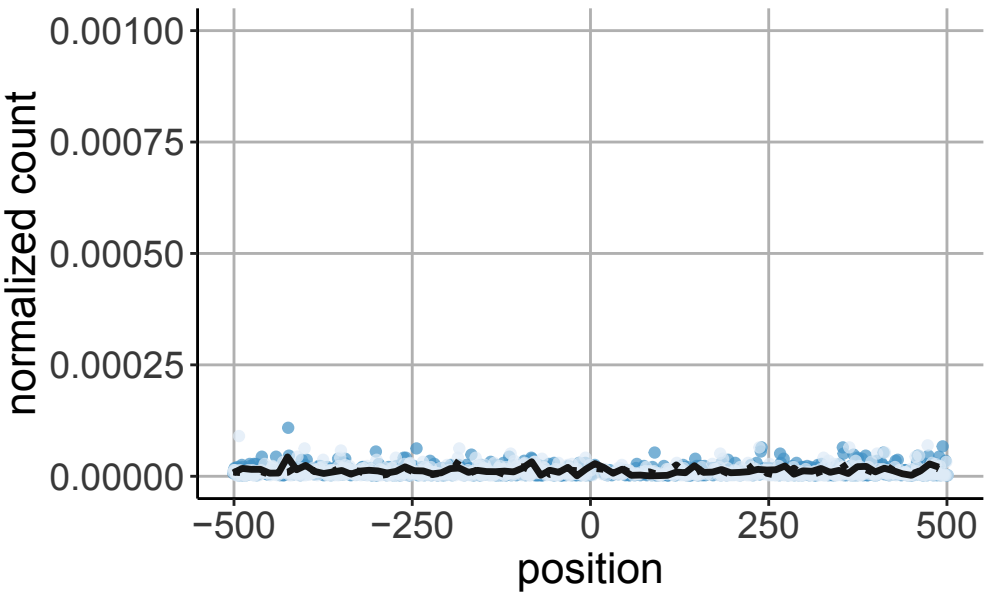

SNRNP70−GNUCANGNNG



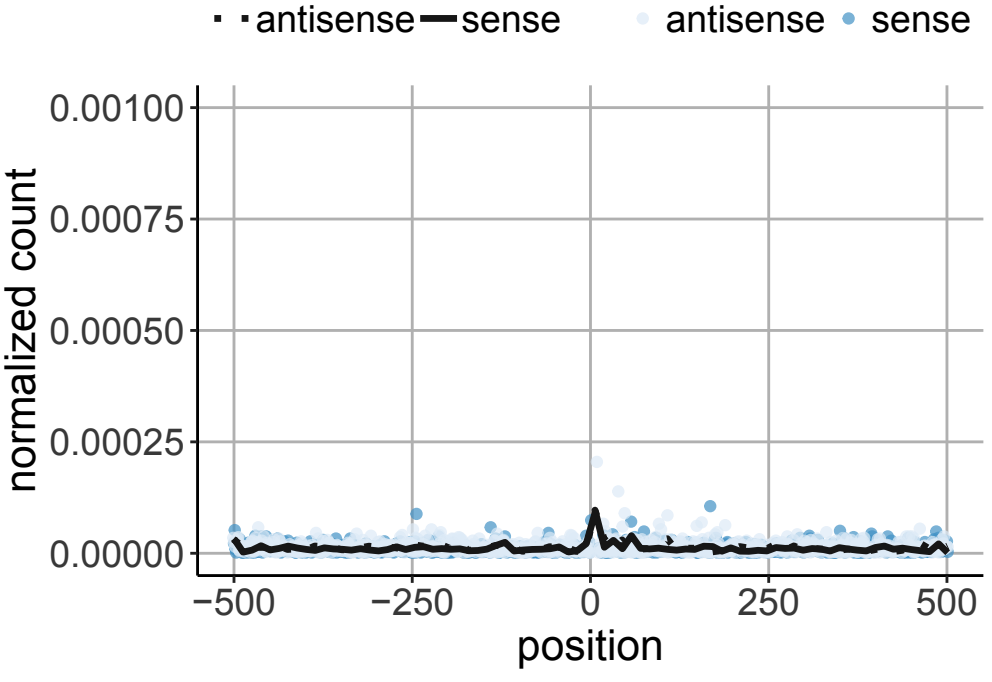

SNRNP70−GUUCAAGGUG



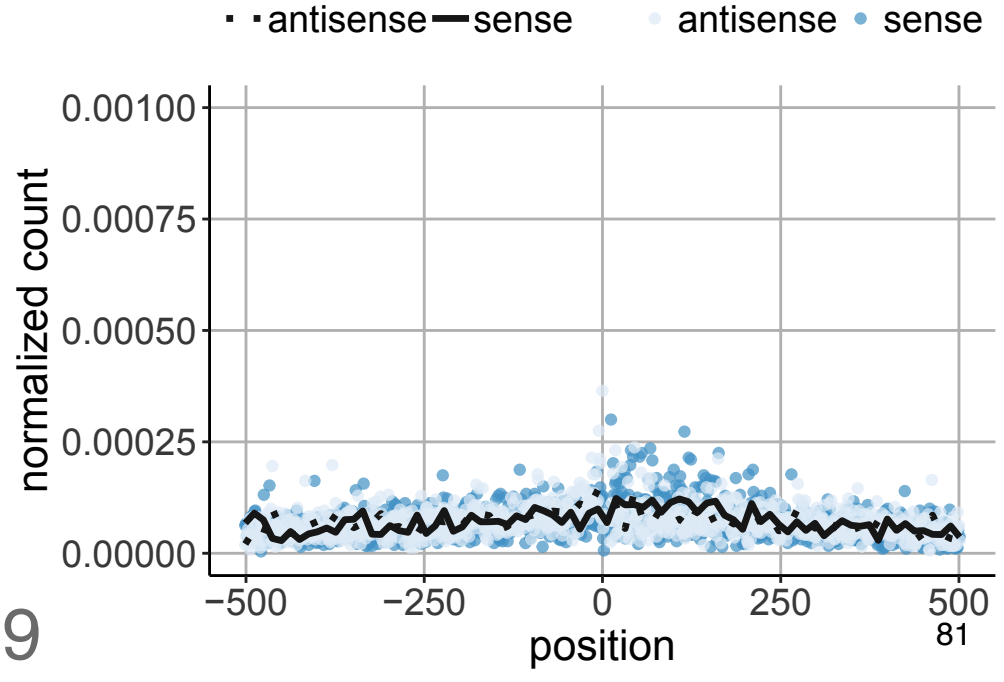

DAZ4−GYUCUAGUUAGYAUC




IGF2BP1−CAGNUWCA

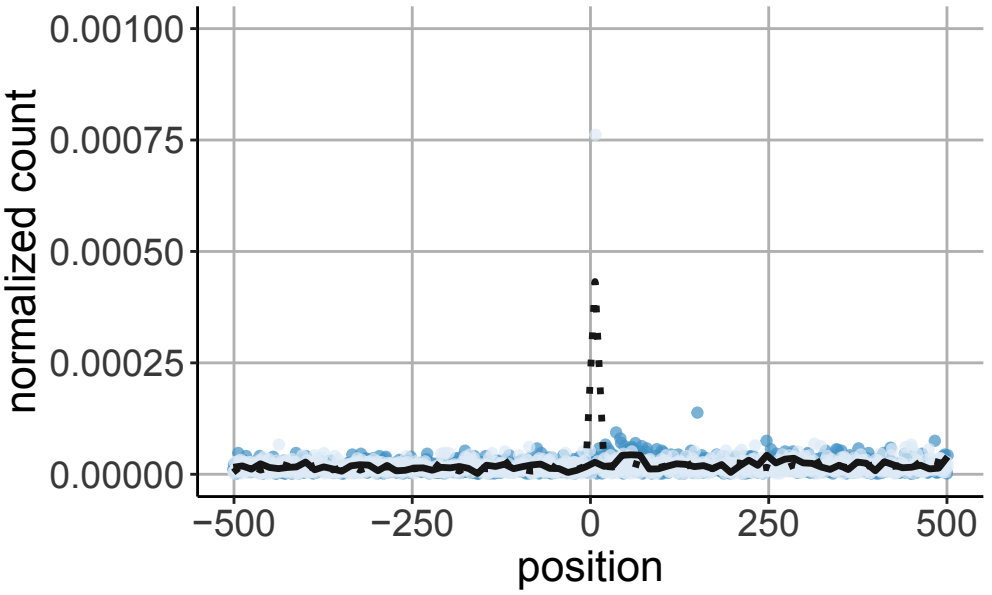



HEXIM2−NGCGACGGKN

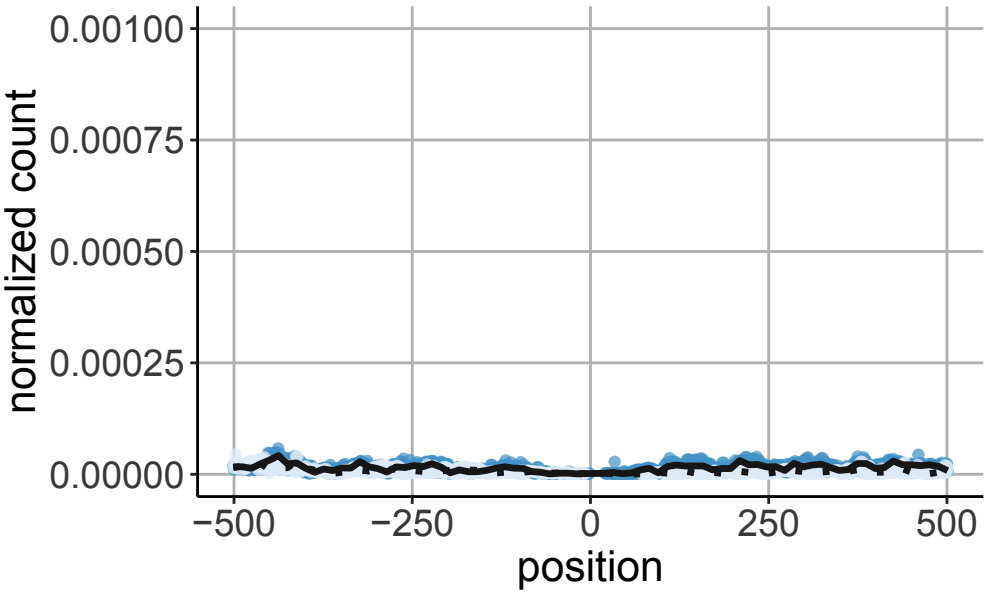


start codon

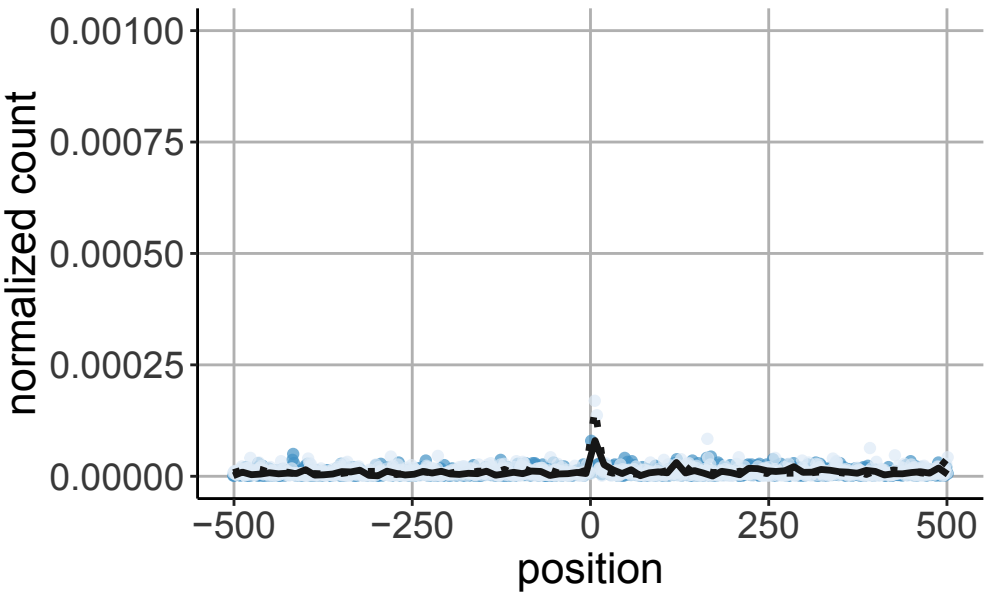
YBX1−NUAACAUCGGG



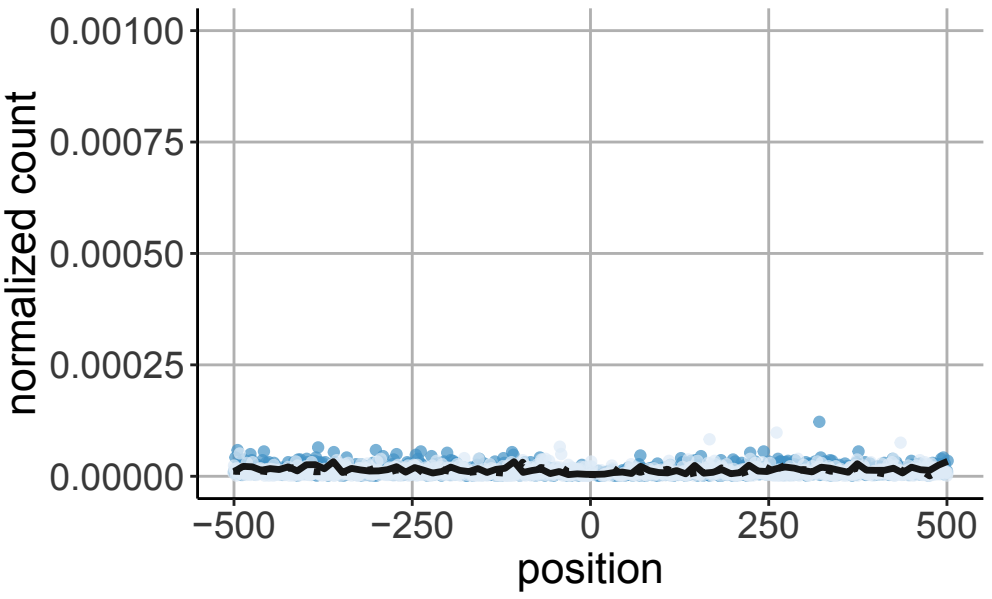

RBM24−GUGUGNGUGUG



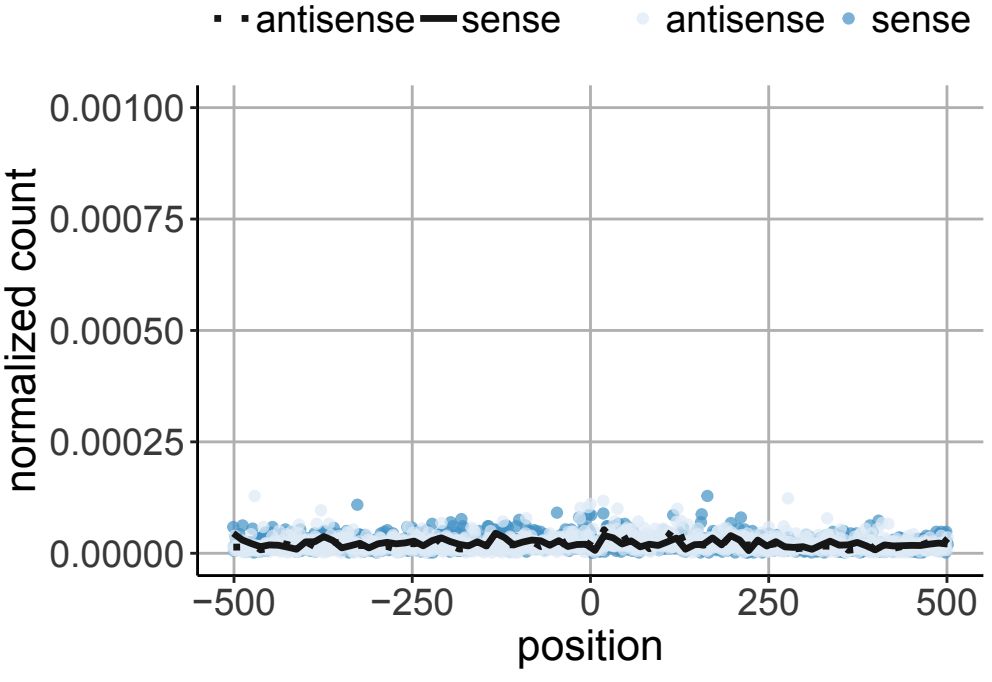

CSDA−UAACAUCA



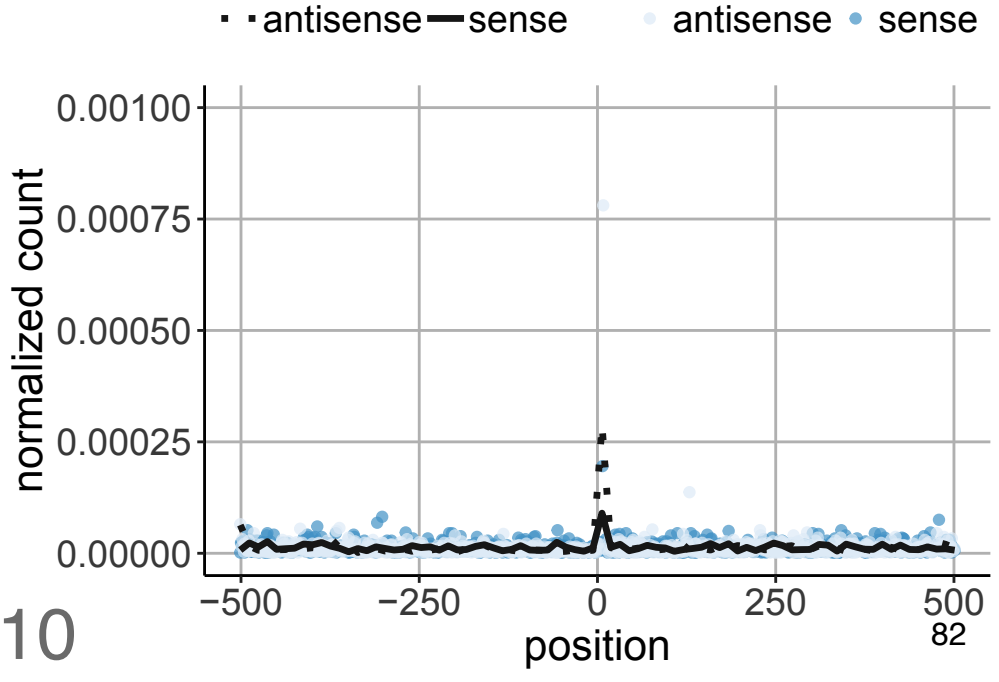

HNRNPA1L2−NUAGGUUAGGGW




ZC3H12B−NGCGNCAGUCGGUAGCN

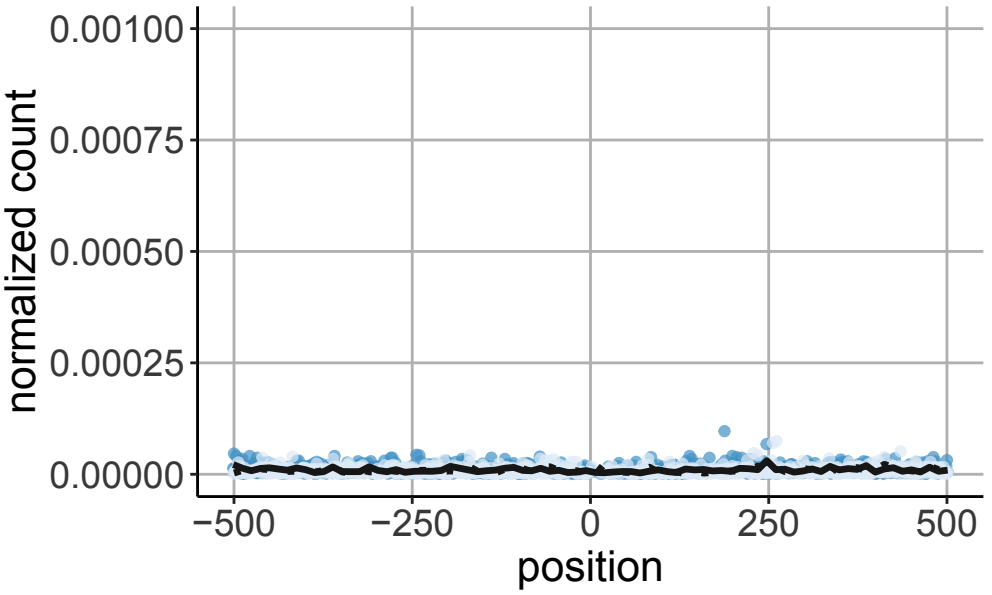



ZC3H12A−NUUGCCAWAGUKU

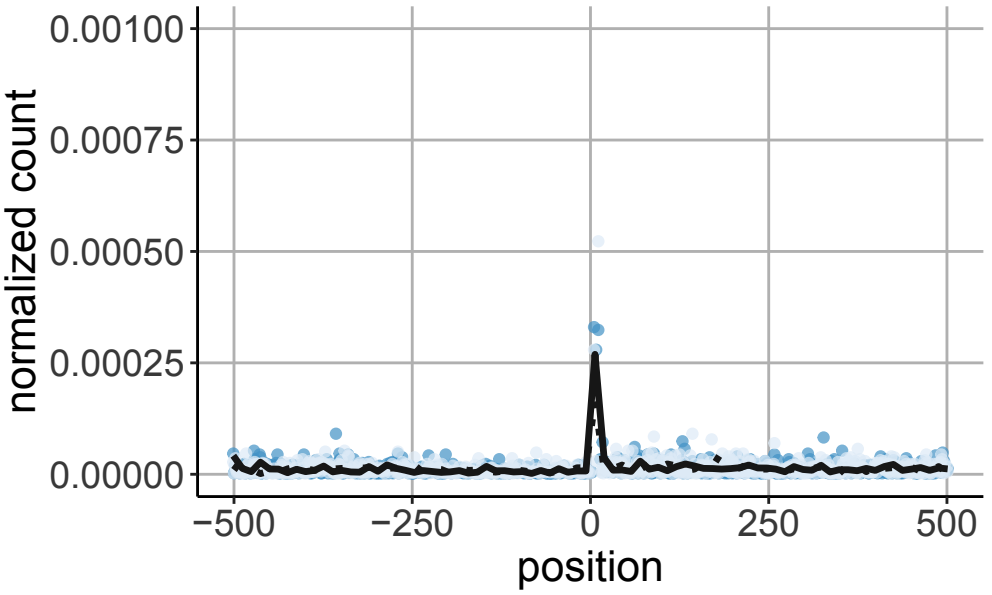


start codon

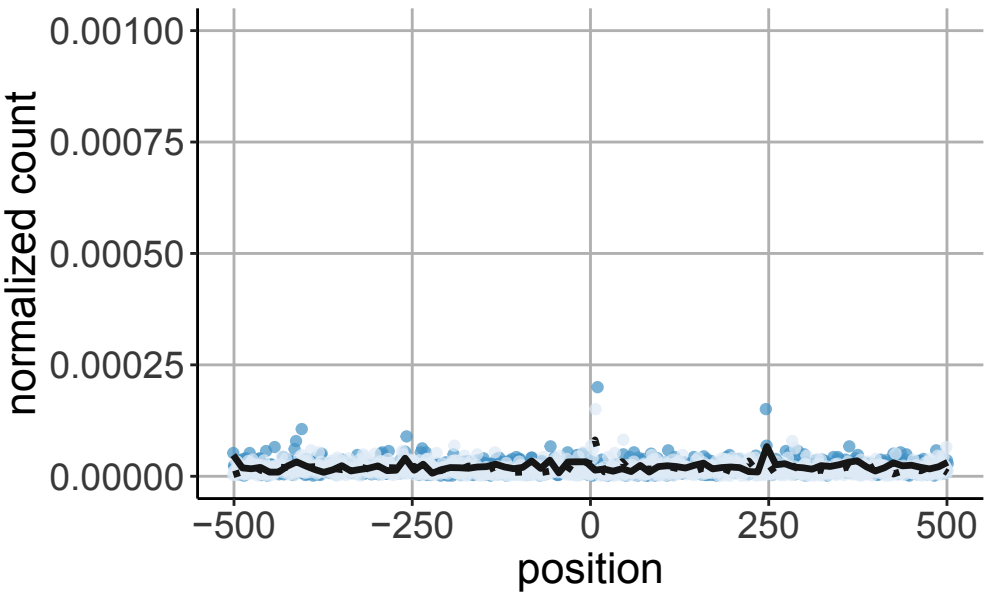
DAZAP1−UUAGGUUAGG




CARHSP1−GCCAUGAUCAUGAU




CARHSP1−UUGCCUUGUCCCGAU

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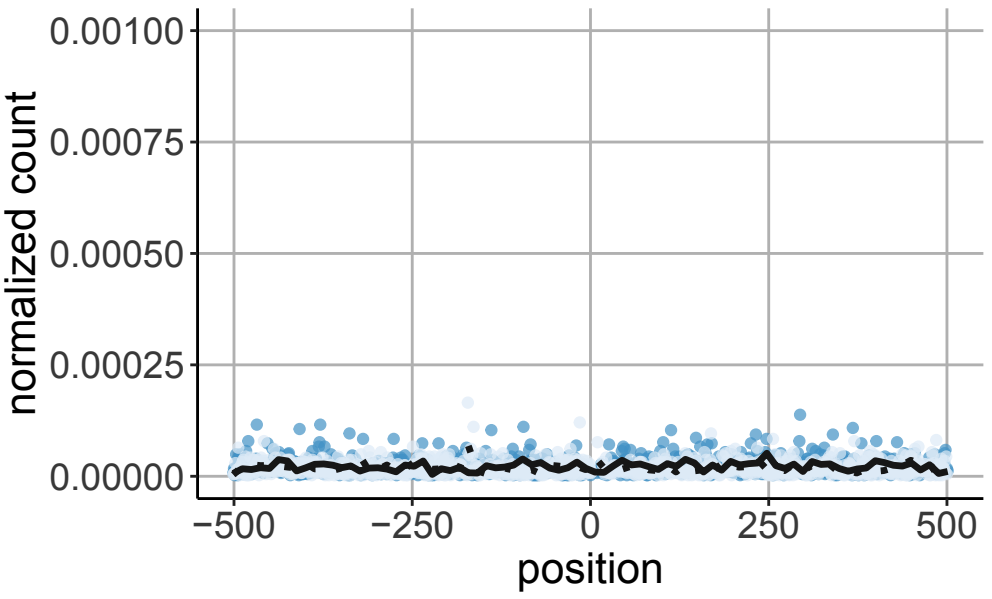
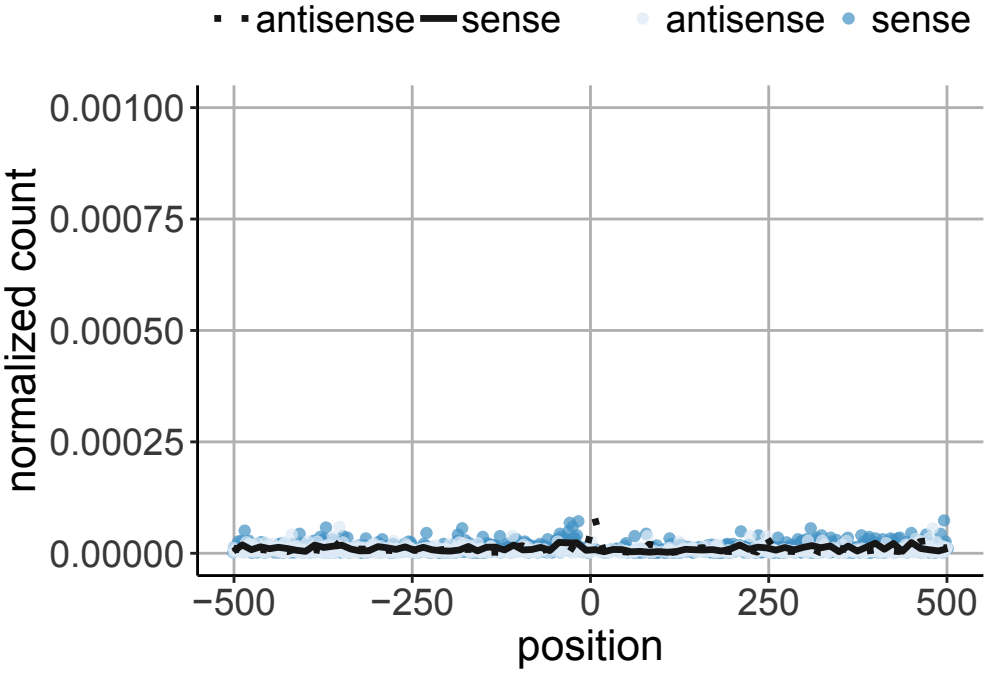
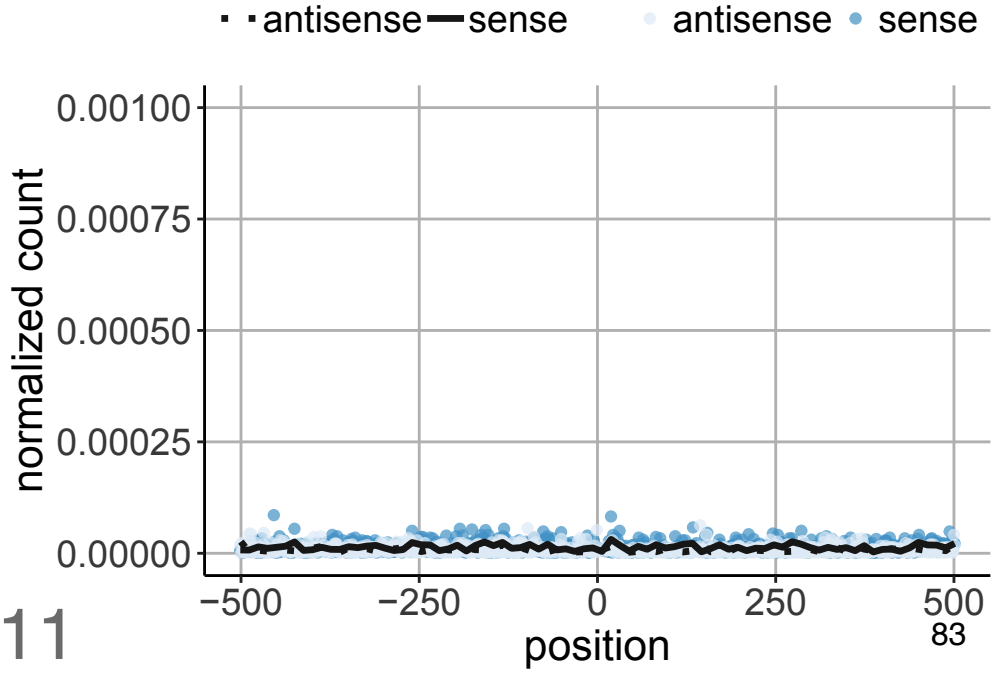



ELAVL1−UUUAUGNUUU

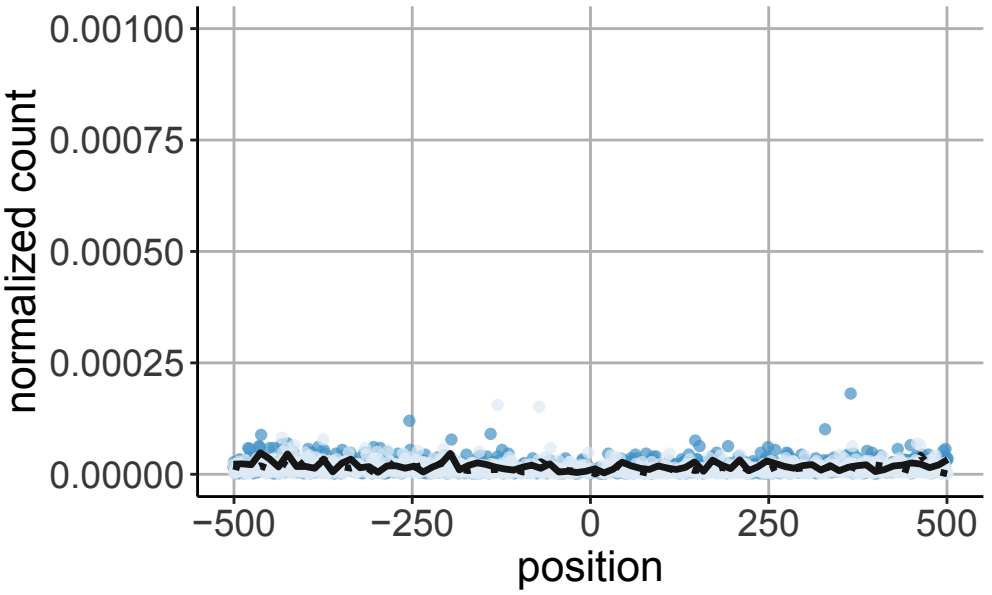



RBM46−GUGAUUG

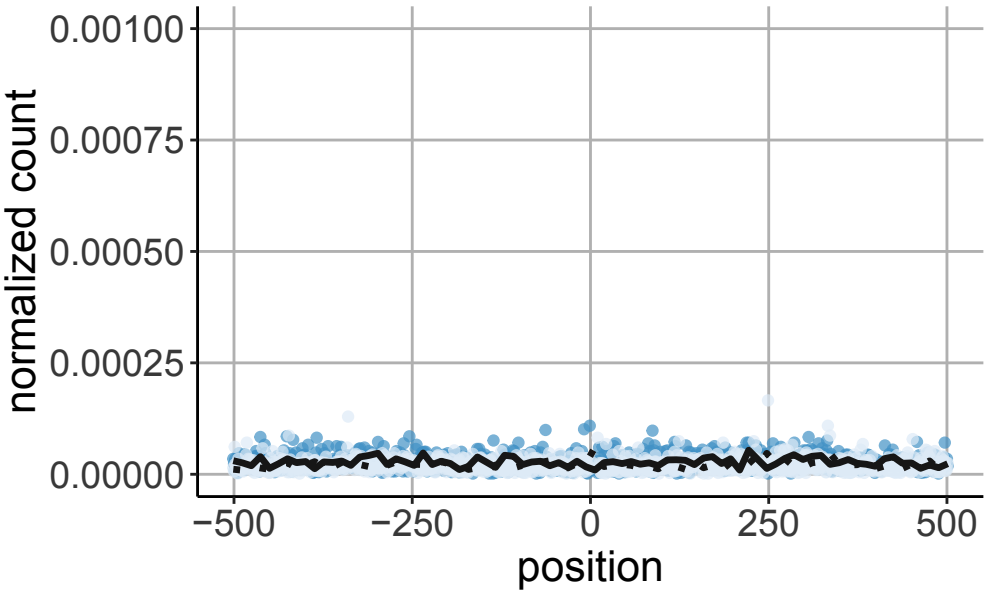


start codon

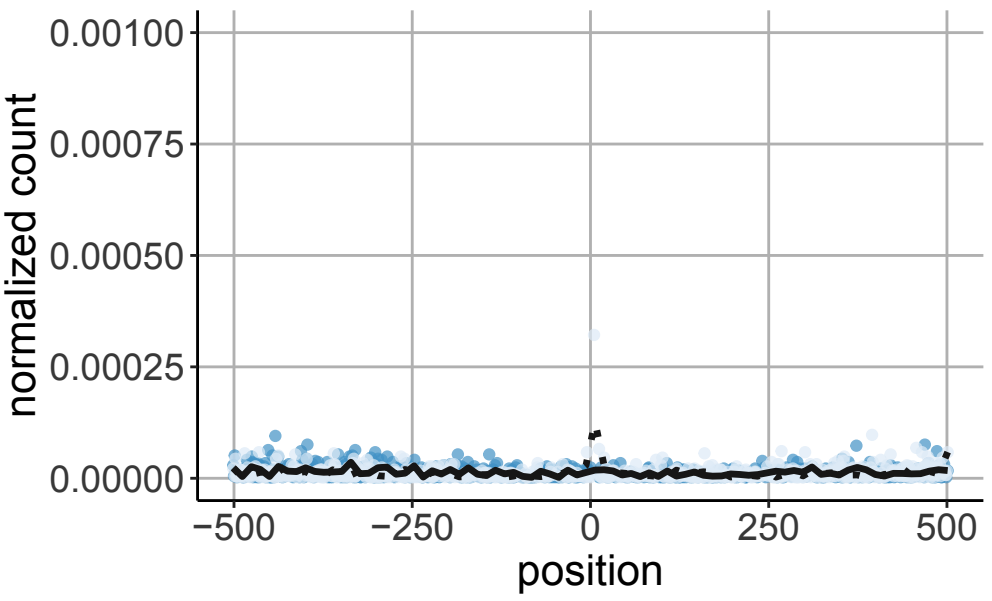
ESRP1_3−GGUGUGGUGU



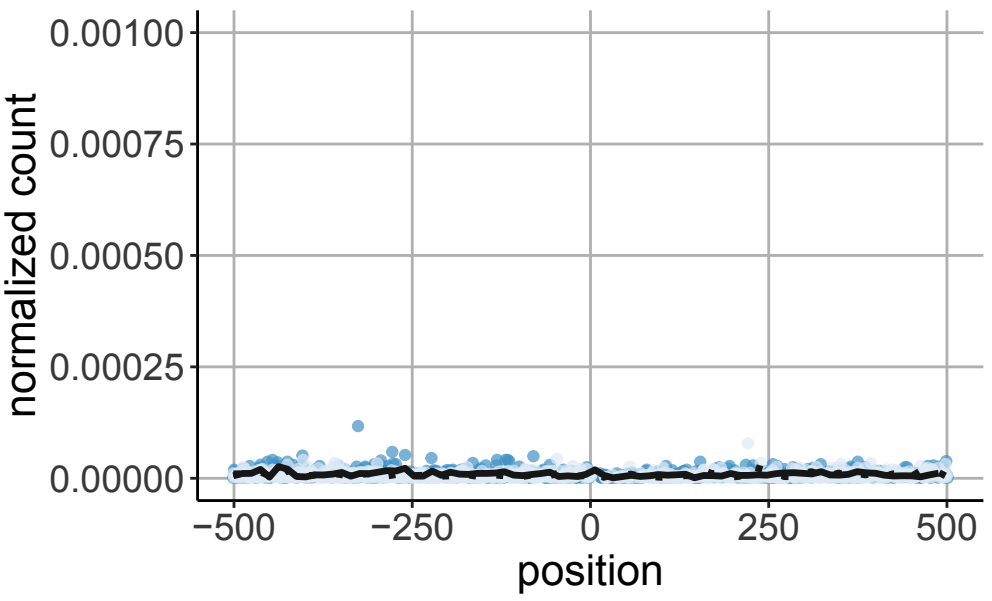

SNRPB2−GGGUGUGCAC



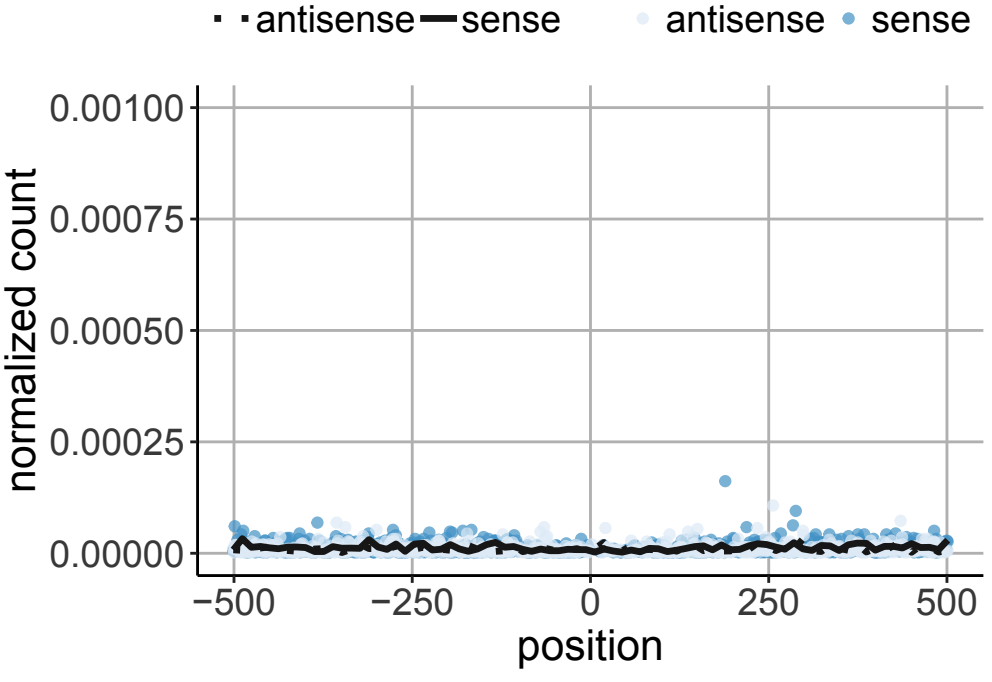

SNRPB2−NNCAUUGCACN



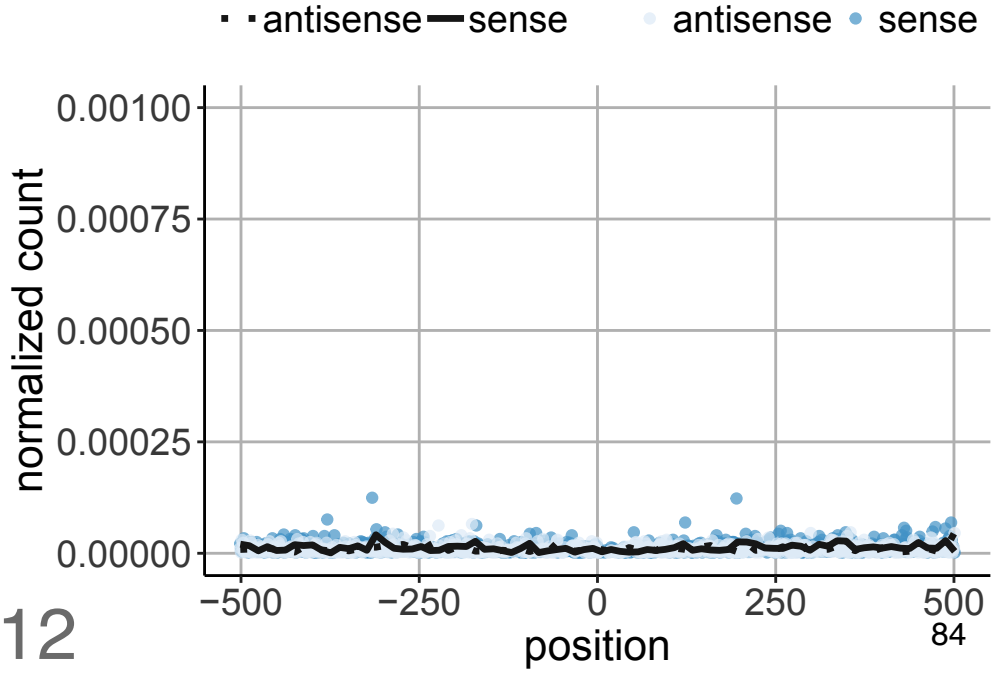

MEX3C−NNAGAGUUUAUNN




HNRNPA0−KUAGKUUAGGK

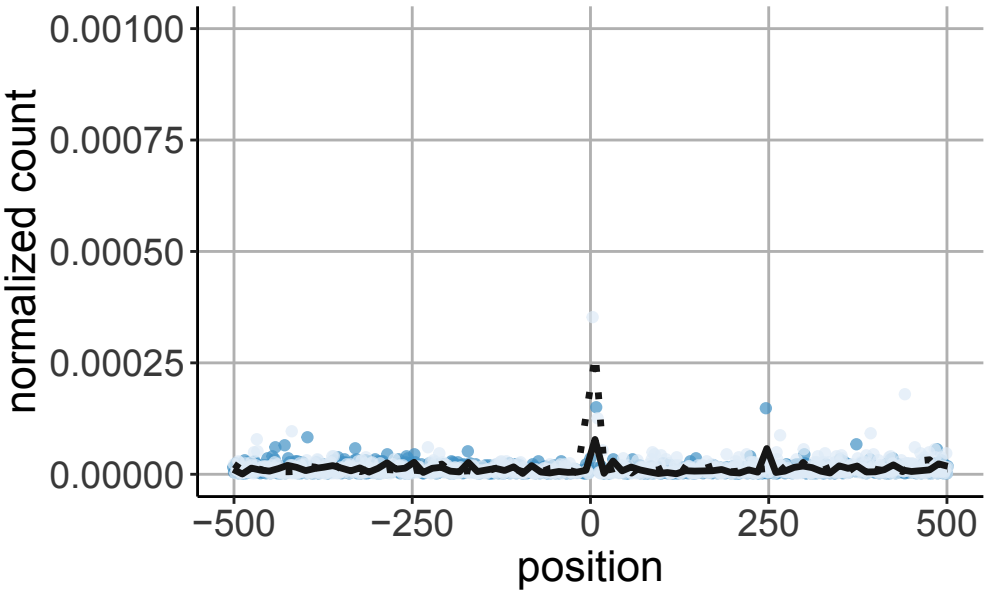



HNRNPA0−KUAGKUUUAGGK

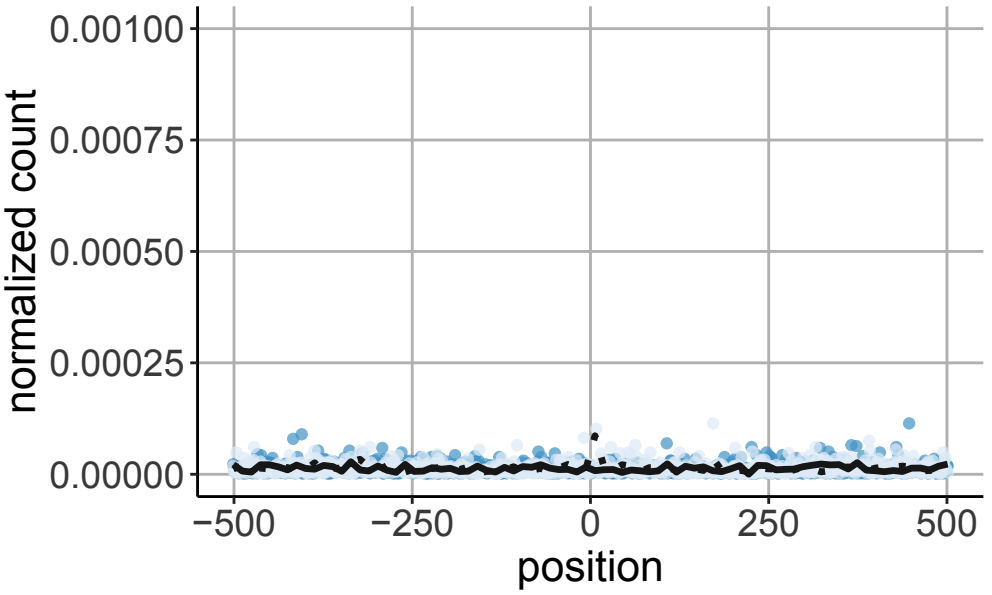


start codon

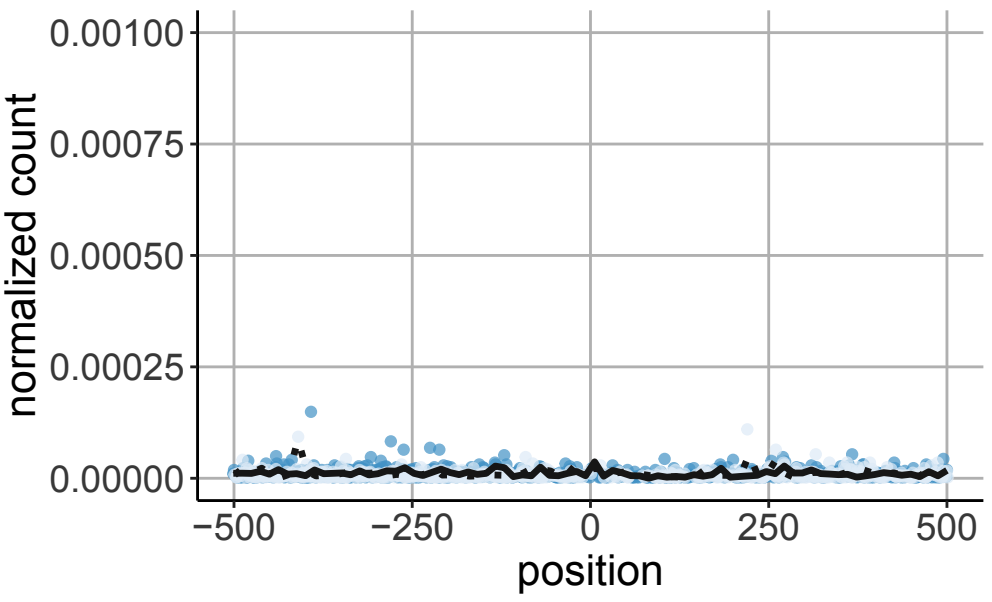
SNRPA−CAUUGCACN



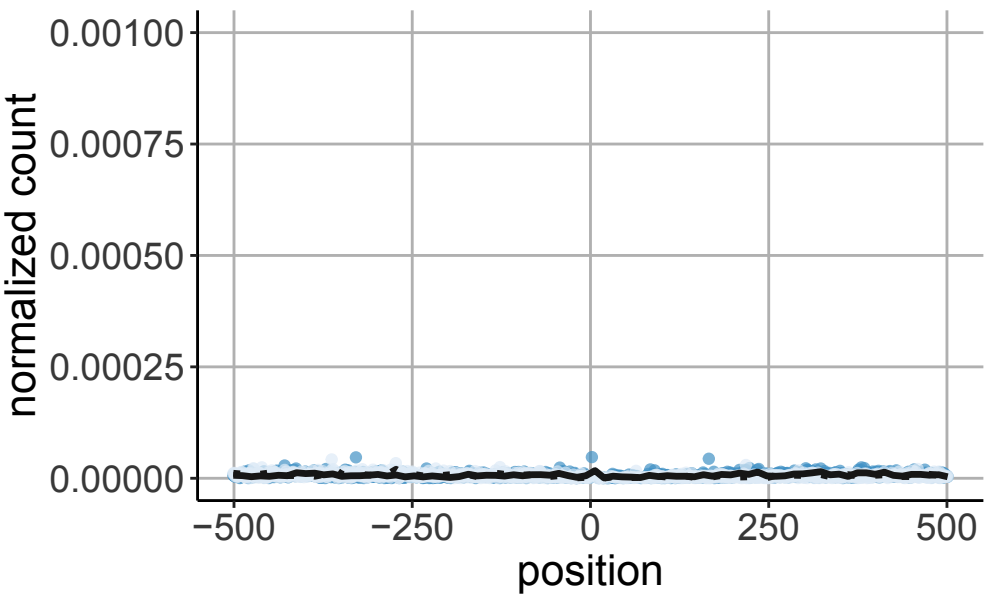

SNRPA−NUGCACR



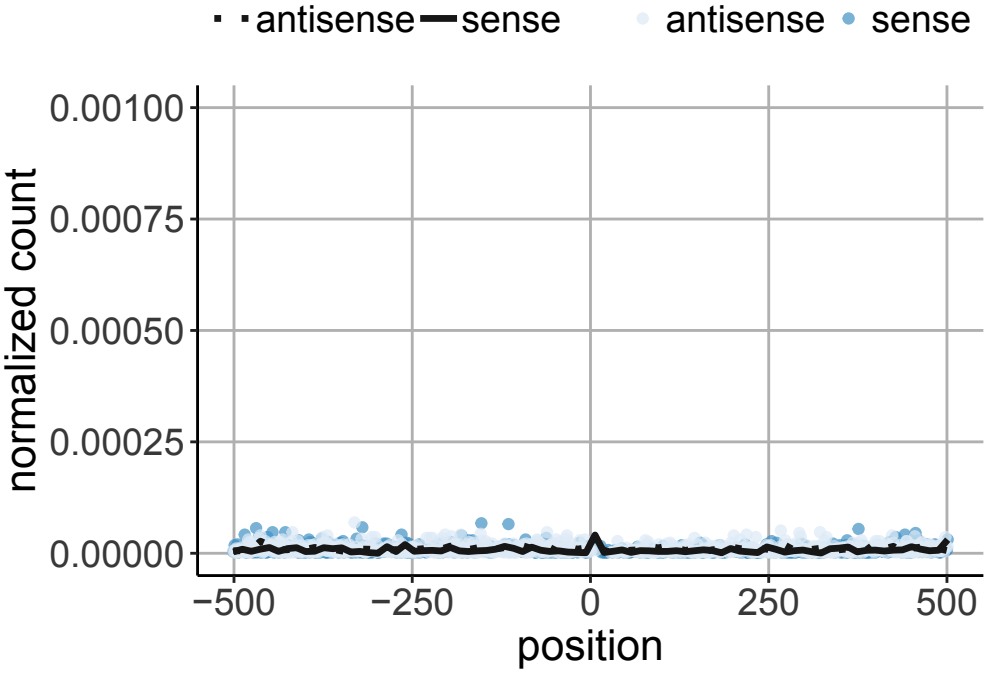

MEX3B_3−UAGAGUUUAU



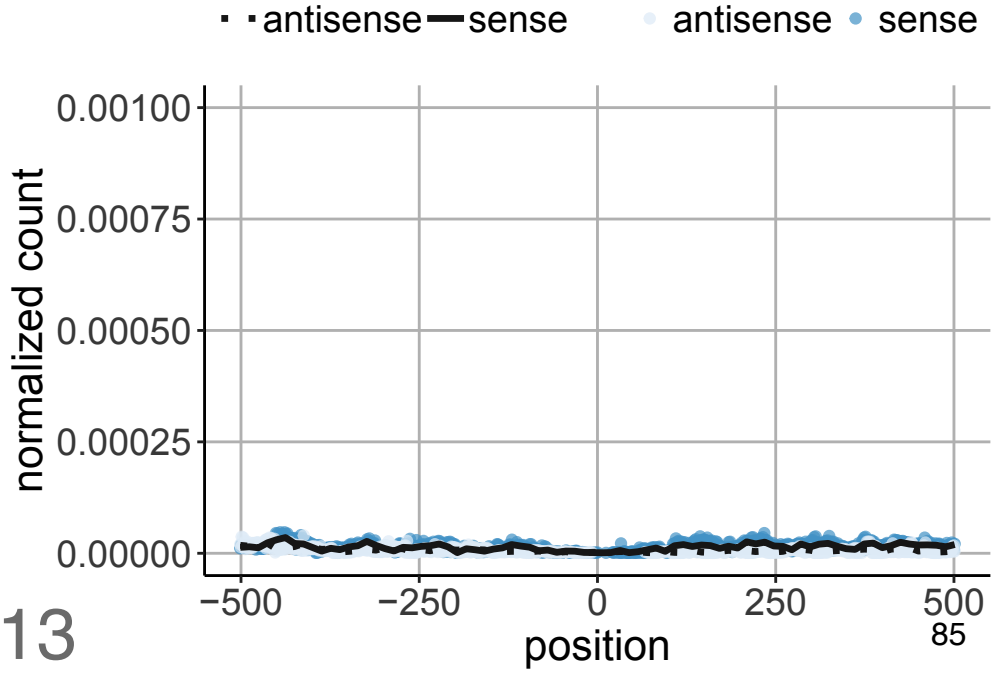

MEX3B_3−UAUUUAU




KHDRBS2−UAAACAAUAA

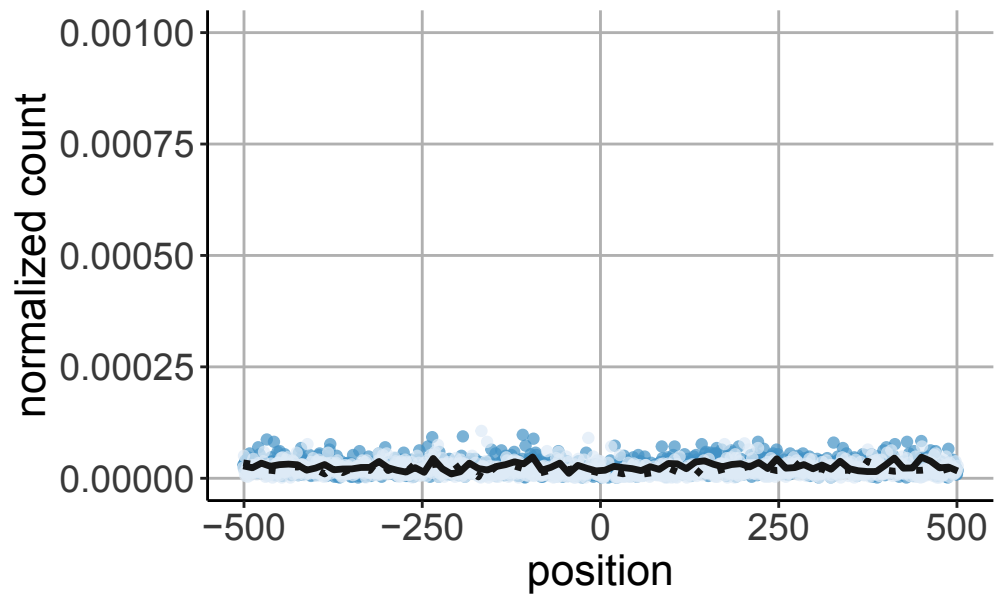



CELF3_2−UGUGUNUGUGU

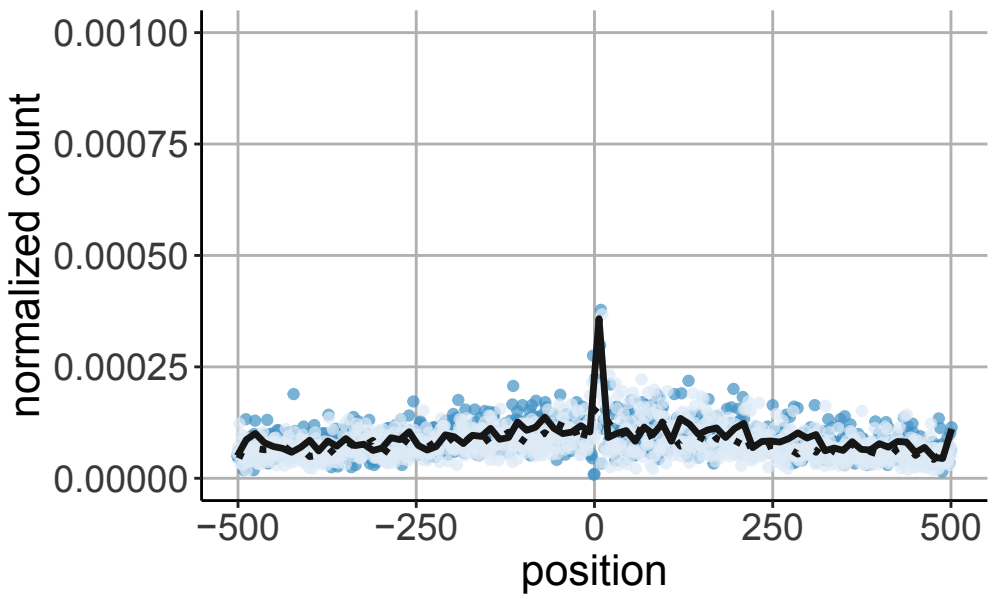


start codon

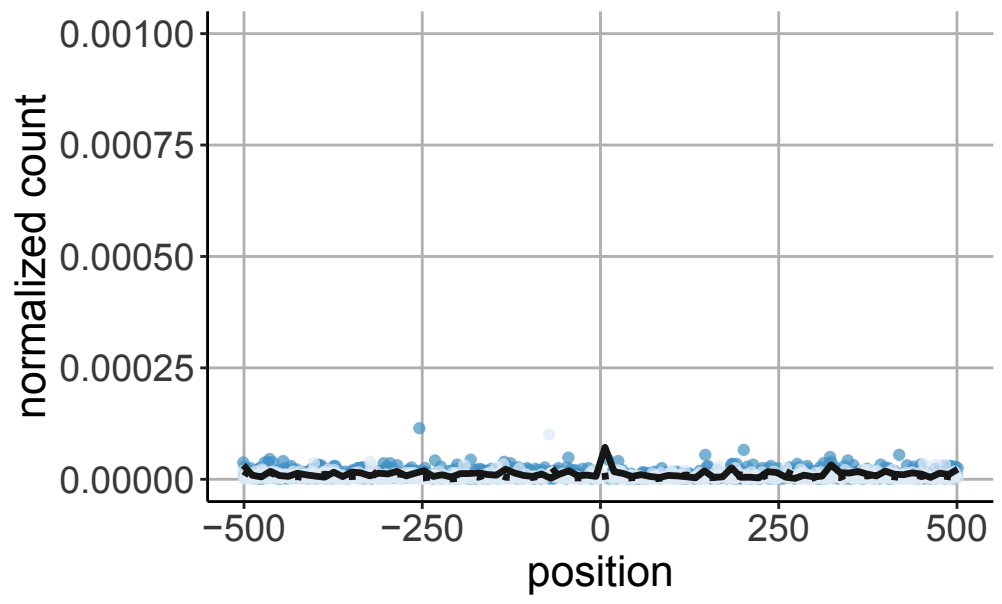
RNPC3−GGGDDGGGDKUACKKGGK



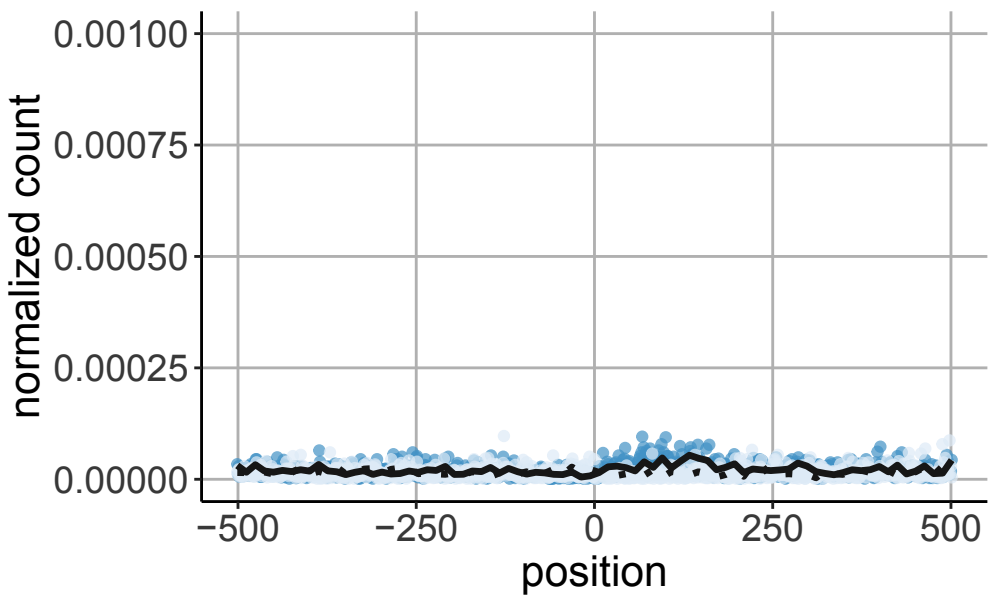

RBM14−UGCGUCG



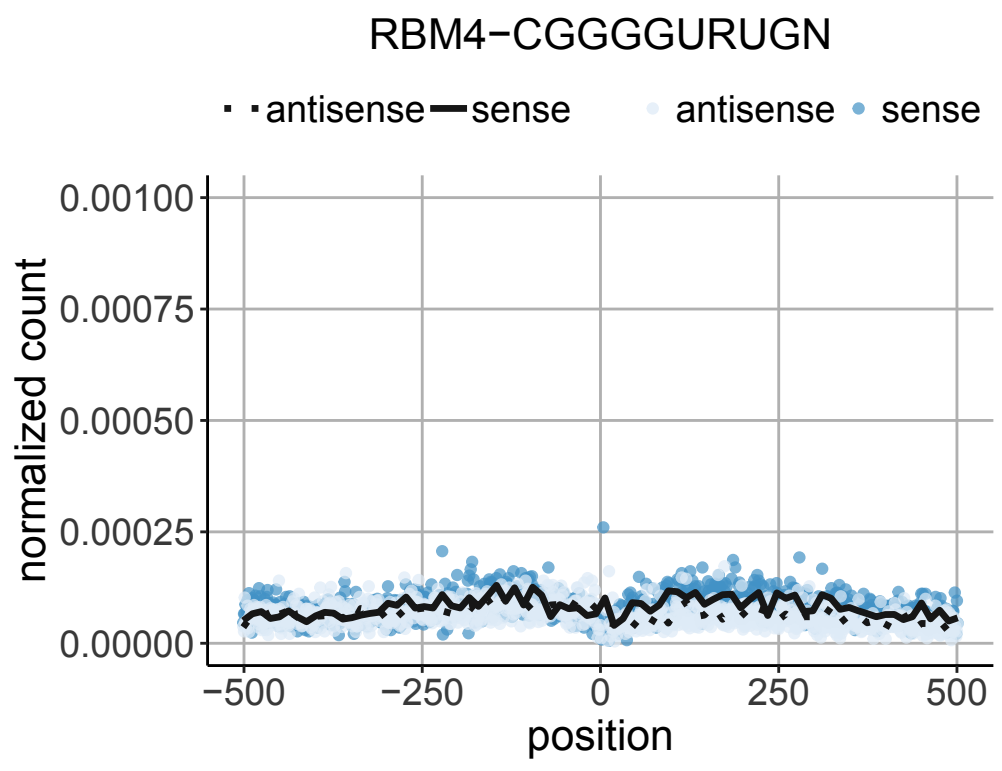

CELF4−UGUGUUGUGU



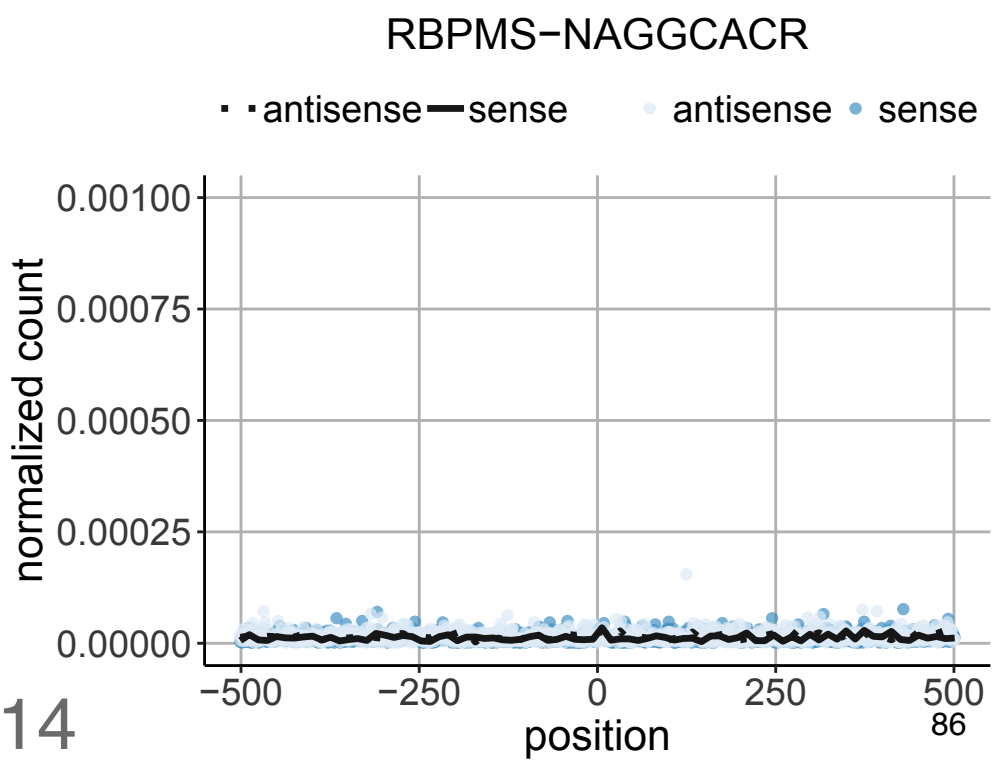

ZRANB2−NNNGGUAAGGUNN




RBM4−CGGGGURUGN

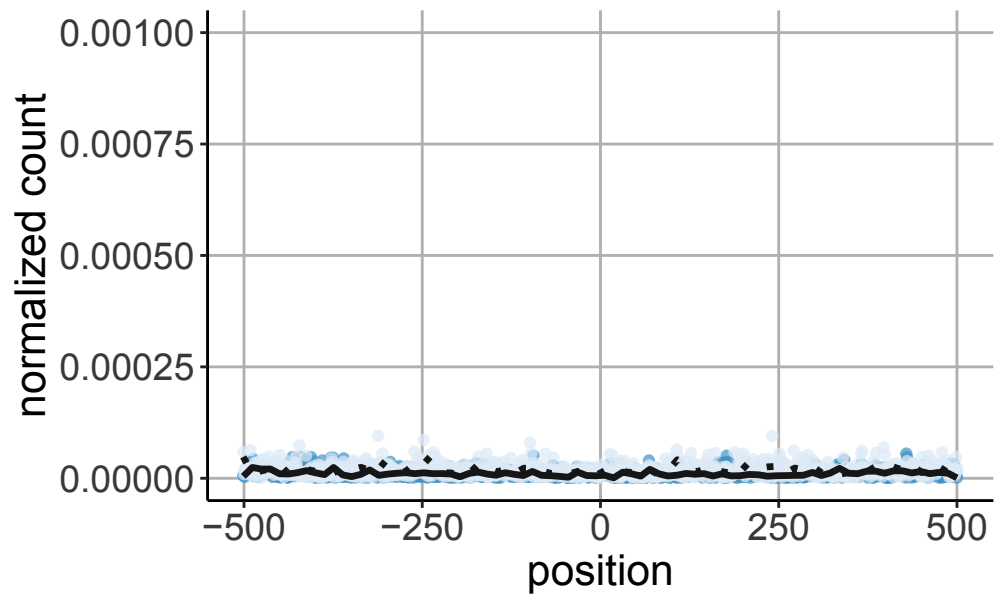



RBPMS−NAGGCACR

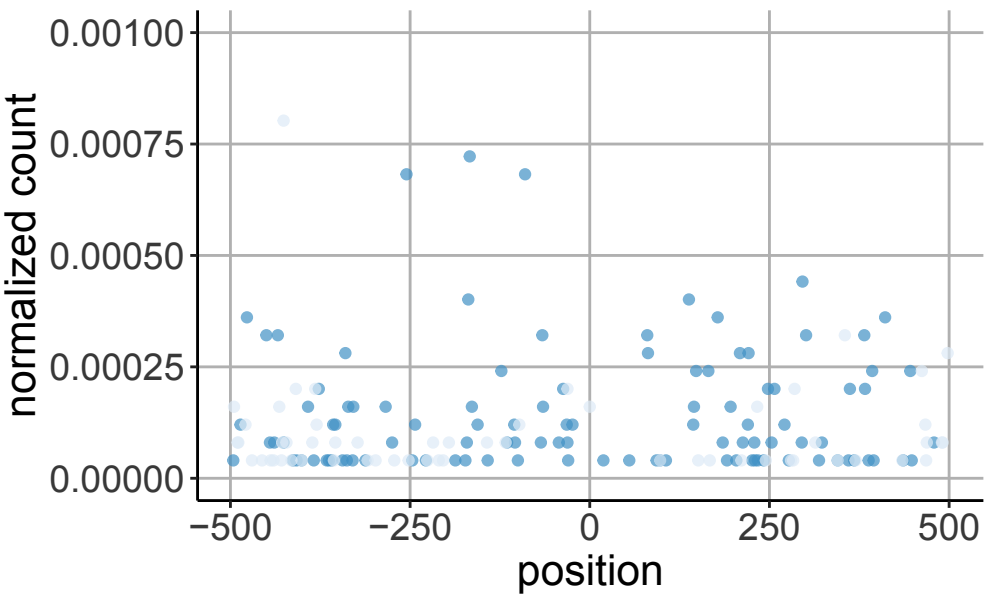


start codon

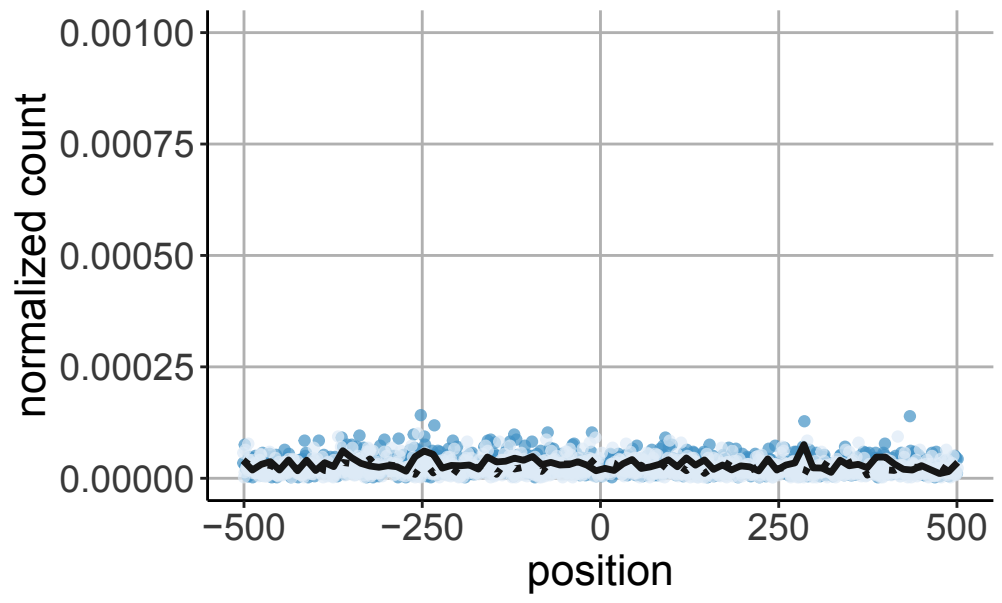
RBPMS−UCACGNGCACN



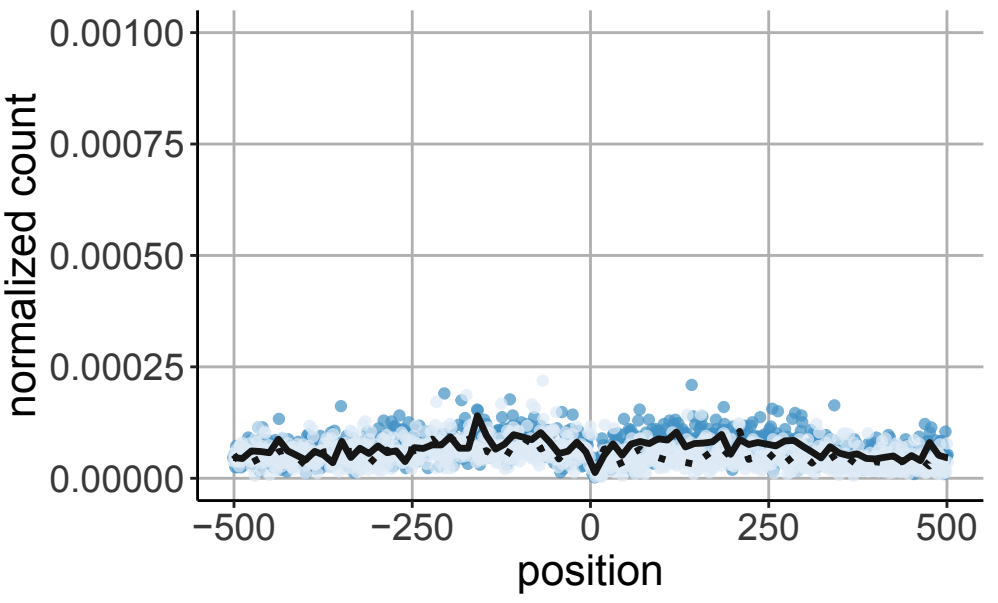

CELF1_2−UGUGUNUGUGU




CSTF2−RRGGCGUAGCGUNN




RBM28−GRGGCCGNGCGGUGG

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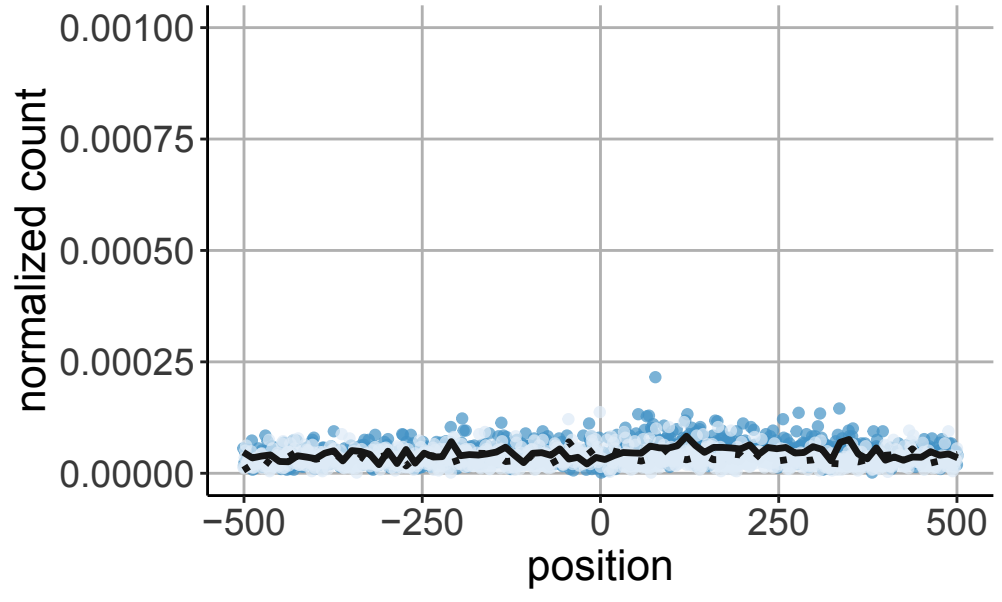
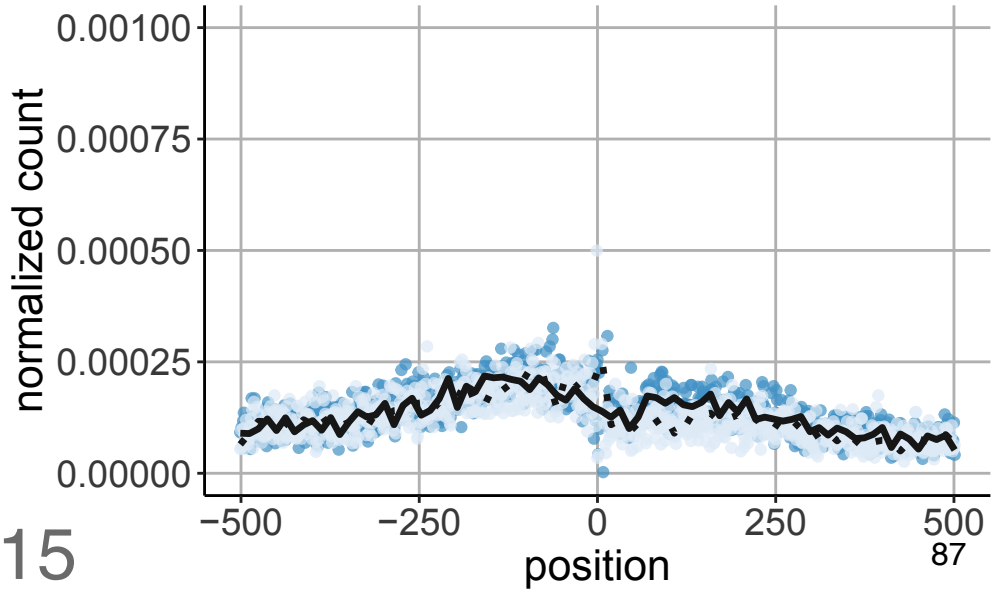
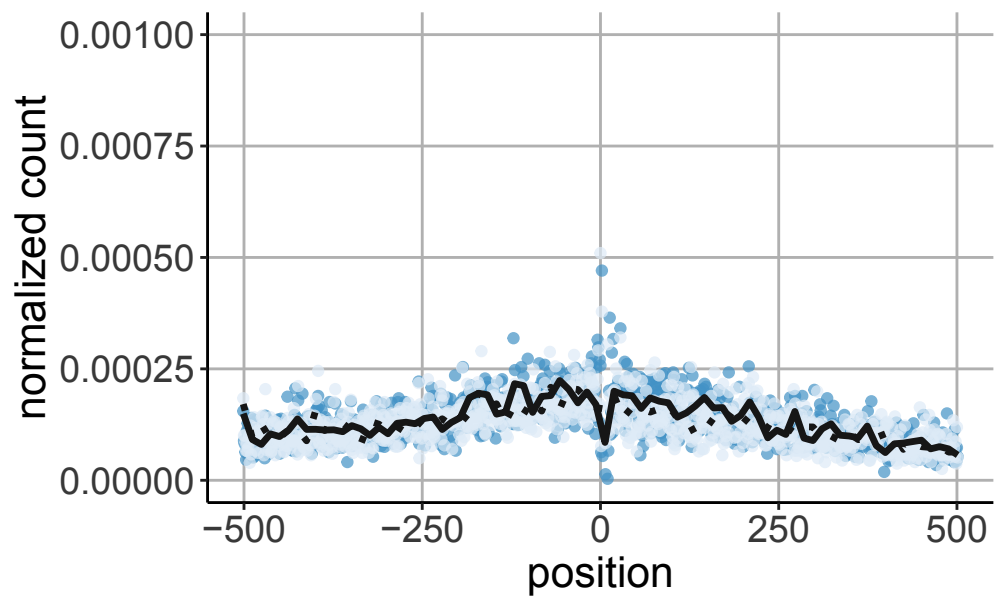



ZC3H10−GCGCAUGCGNN

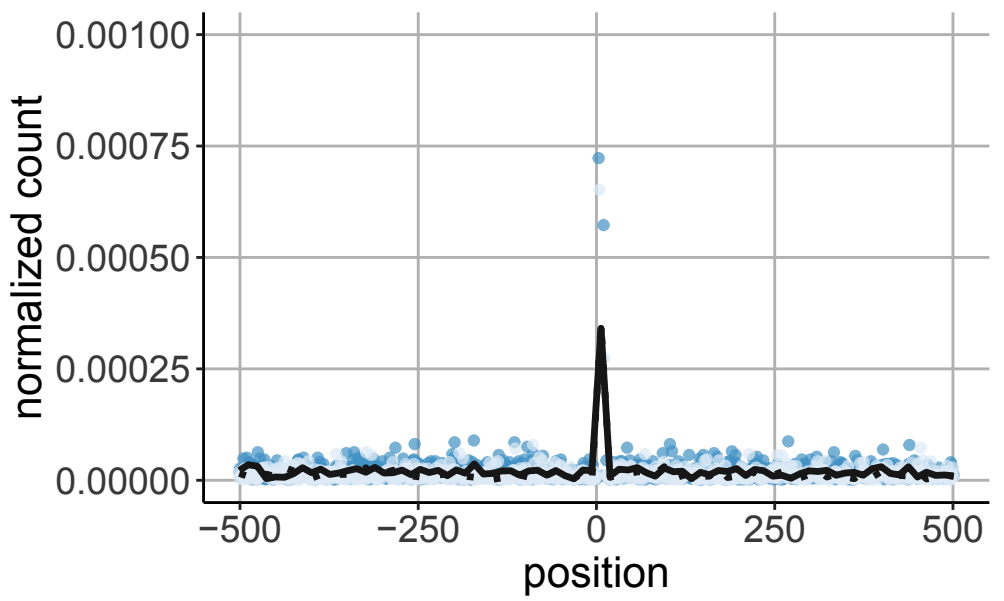


start codon

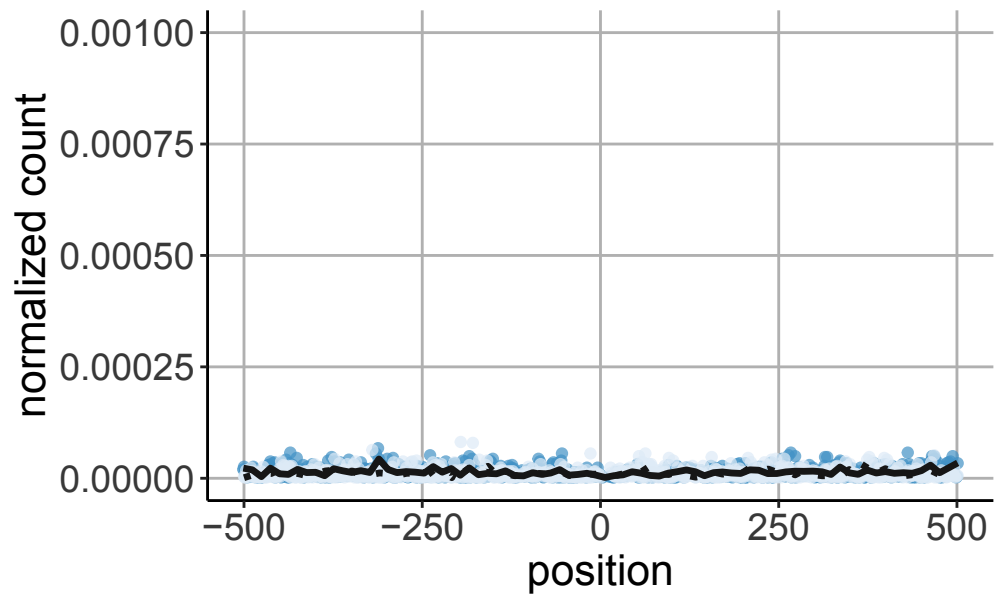
ZC3H10−NGCGCAGCGUN



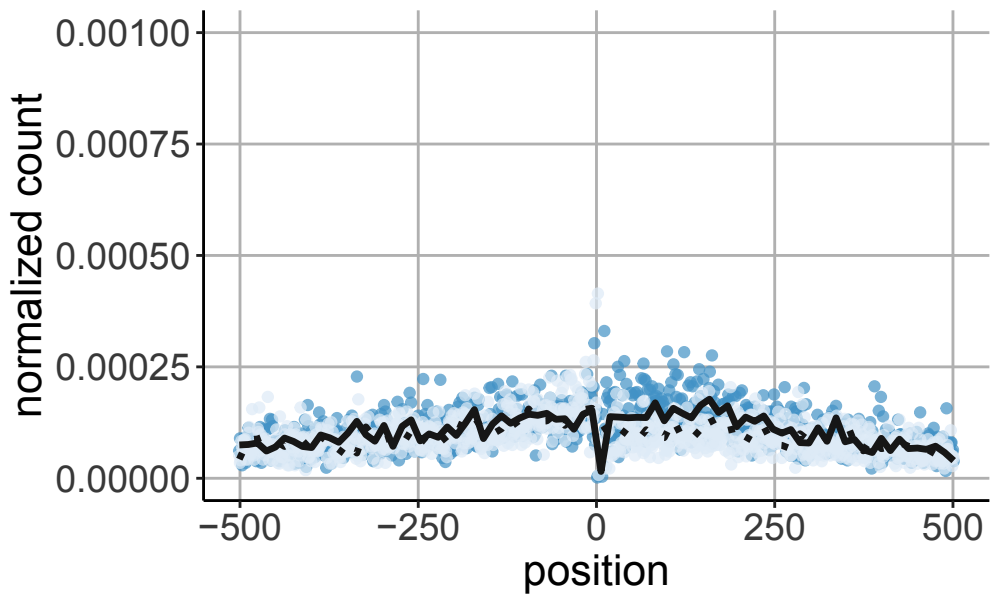

RBFOX1_2−GCAUGNNGCAUG



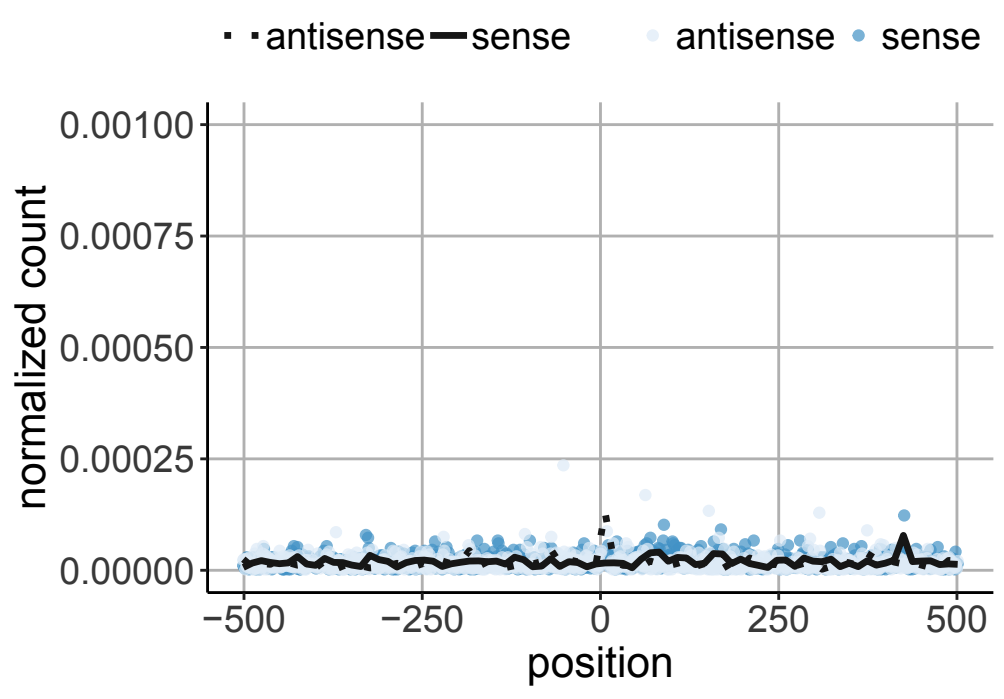

MSI1−KUAGUWKUAGK



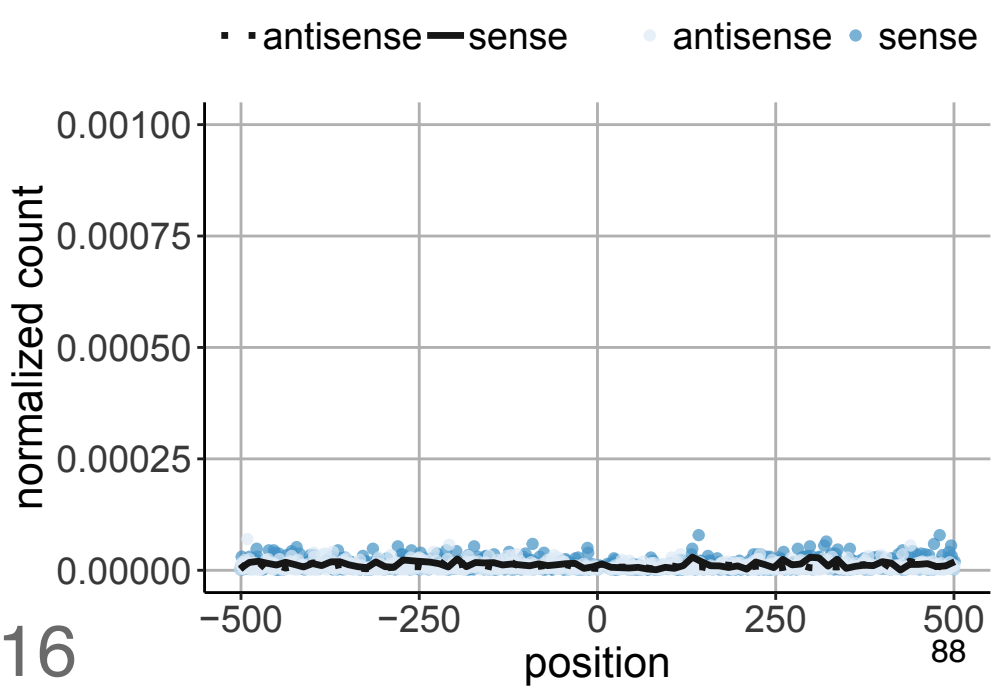

HEXIM1−GKDKCGACGGK



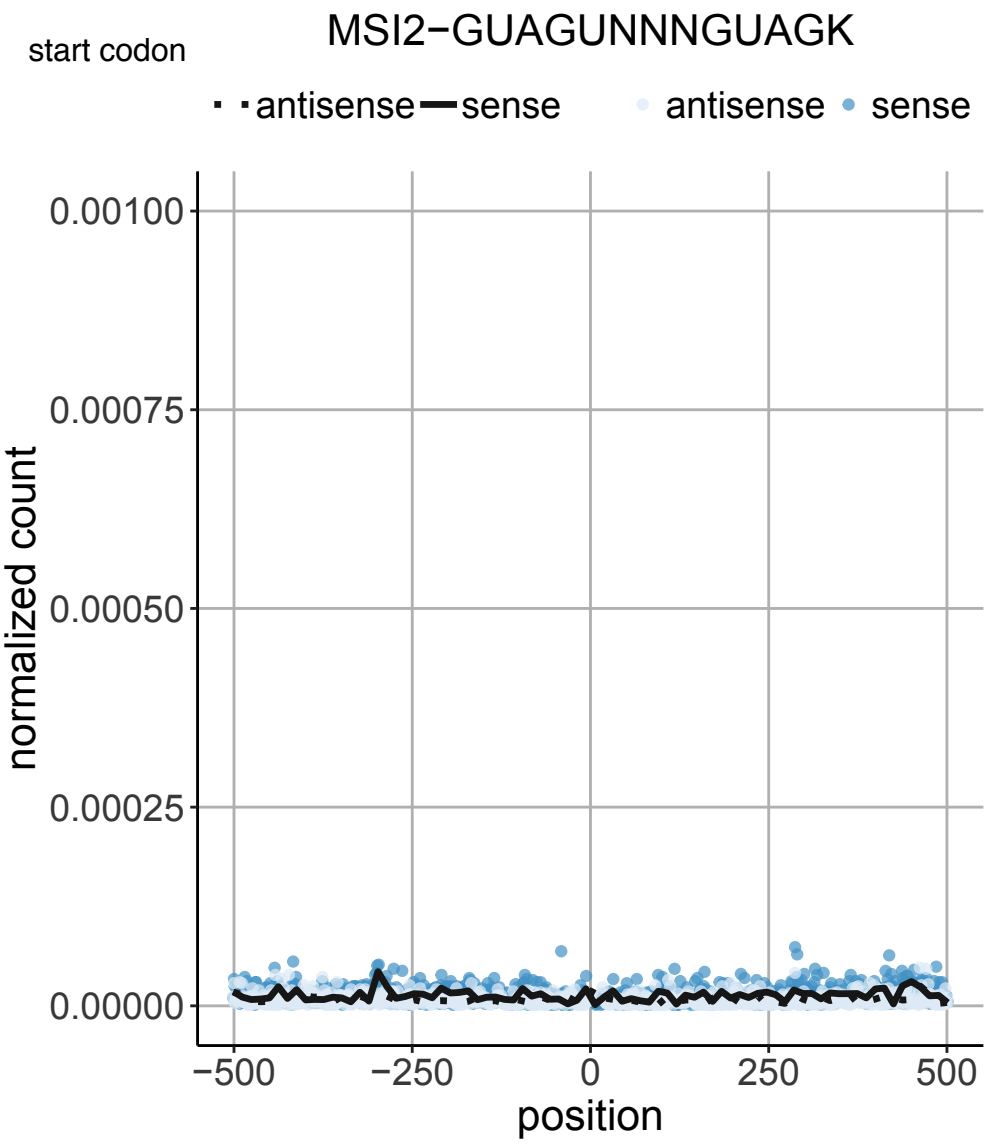

SART3−NGUUAGCRK




MSI2−GUAGUGDGUAGK



start codon


MSI2−GUAGUNNNGUAGK
antisense
sense
antisense
sense
normalized count
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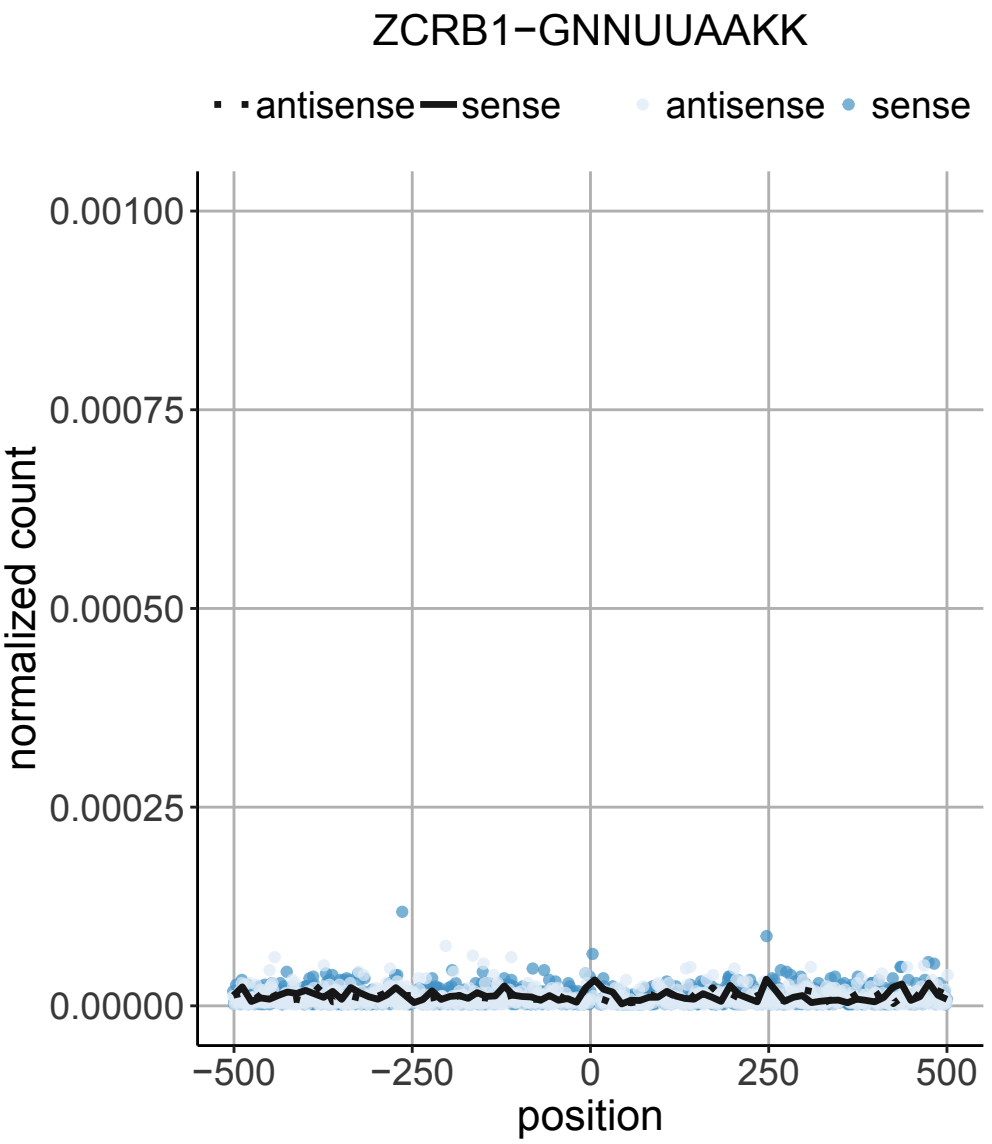
0.00050
0.00025
0.00000
−500
−250
0
250
500
position


ZCRB1−GNNUUAAKK
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antisense
sense
normalized count
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0.00050
0.00025
0.00000
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0
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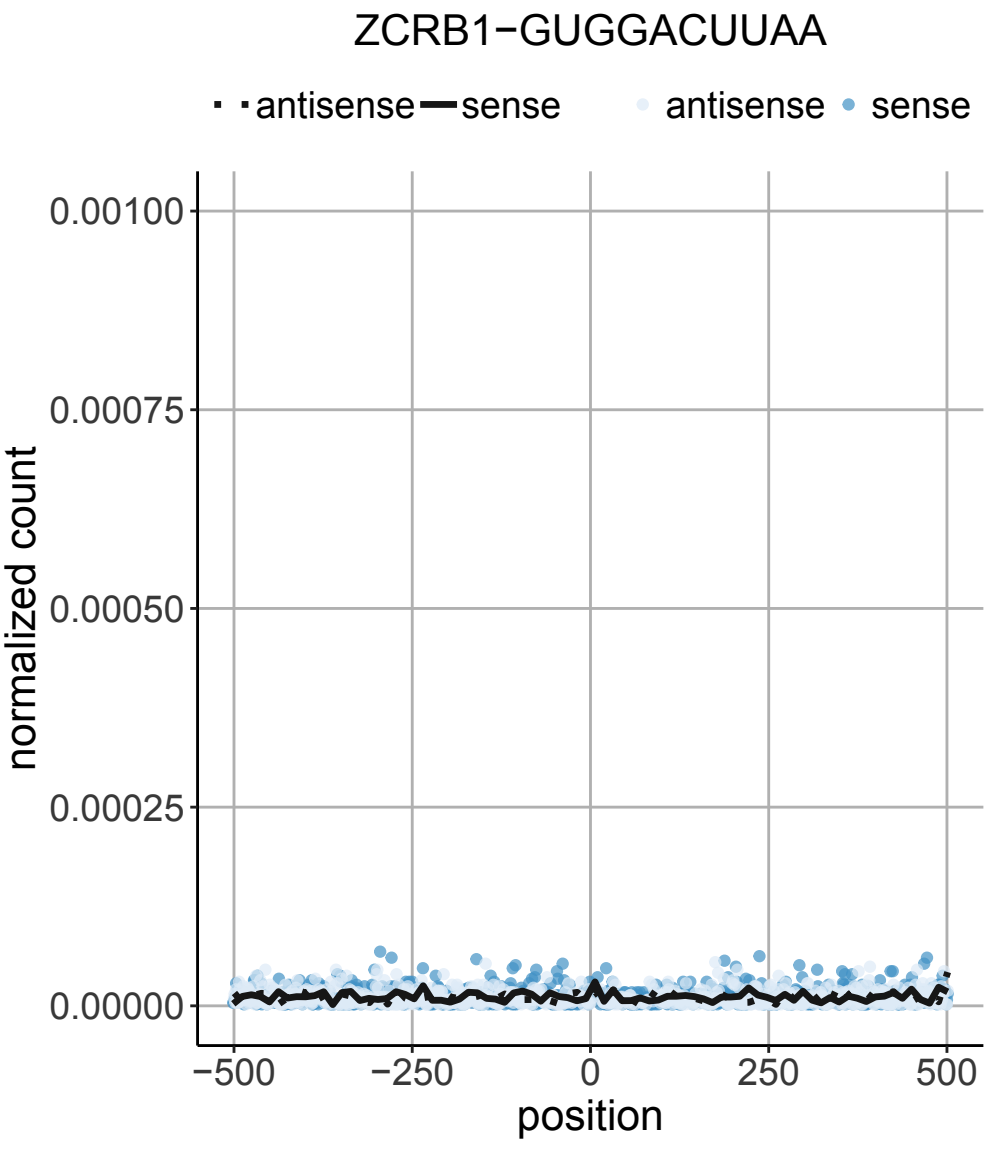
500
position


ZCRB1−GUGGACUUAA
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sense
antisense
sense
normalized count
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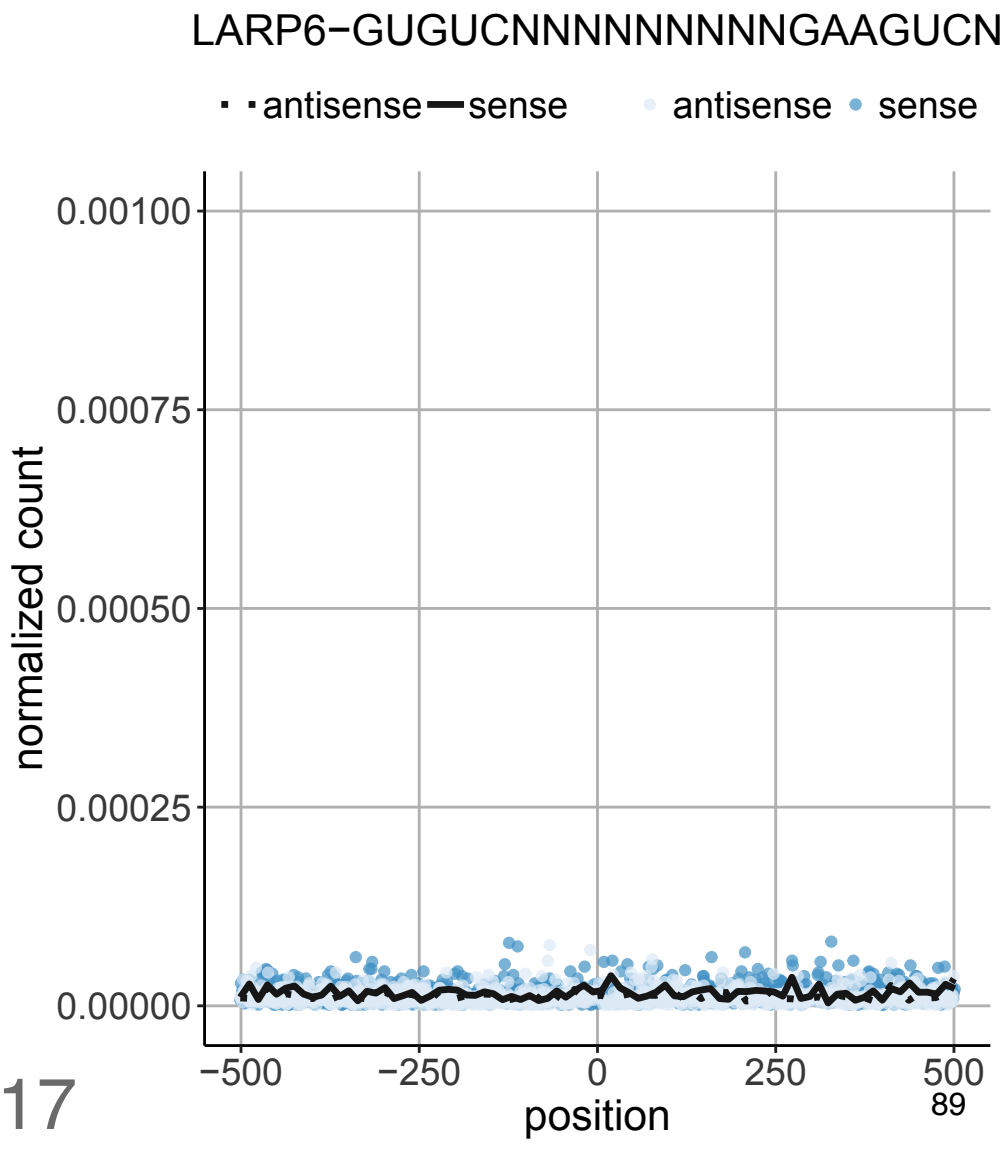
position


LARP6−GUGUCNNNNNNNNNGAAGUCN
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sense
antisense
sense
normalized count
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0.00050
0.00025
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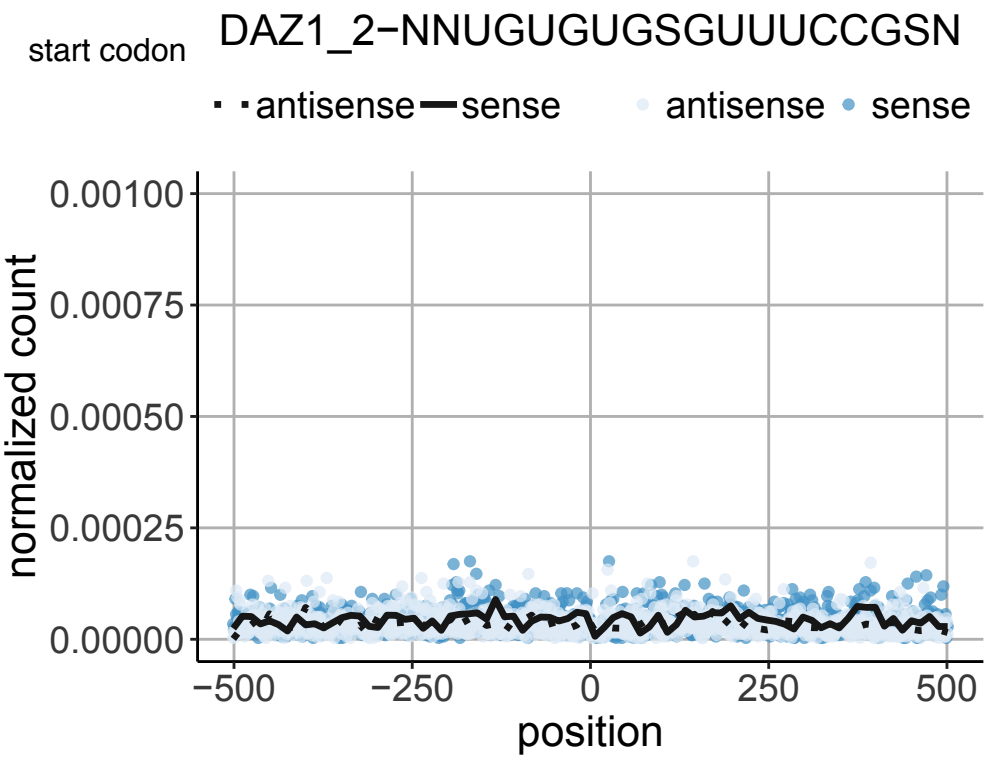
−500
−250
0
250
500
position

start codon


DAZ1_2−NNUGUGUGSGUUUCCGSN
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sense
antisense
sense
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0.00050
0.00025
0.00000
normalized count
−500
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0
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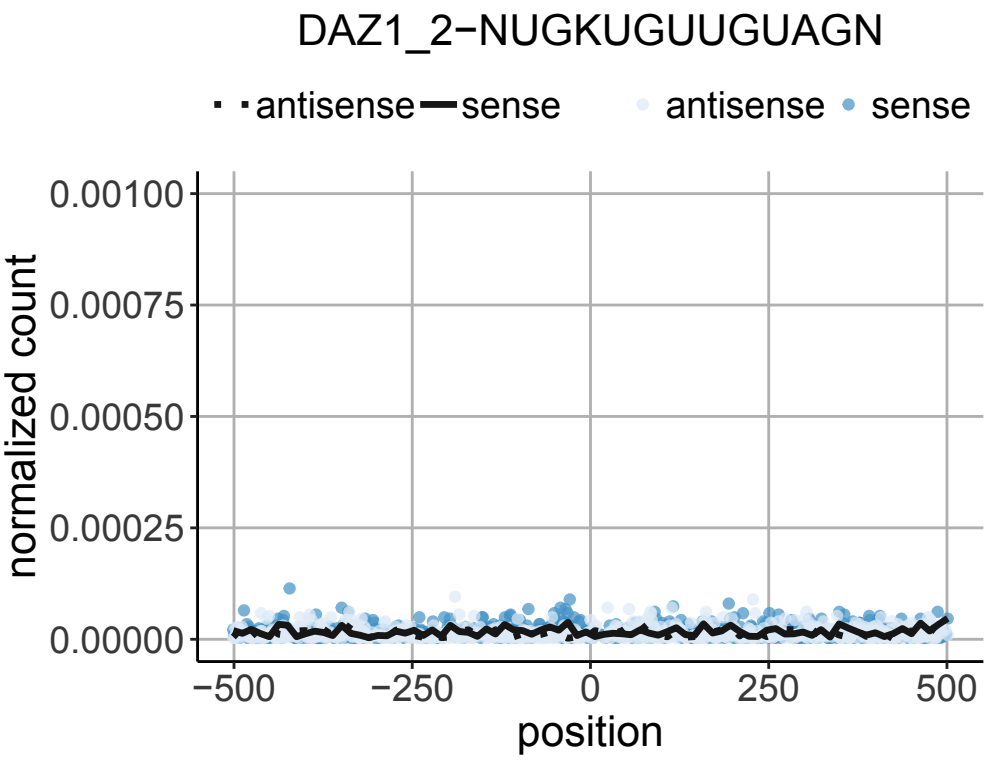
500
position


DAZ1_2−NUGKUGUUGUAGN
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sense
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normalized count
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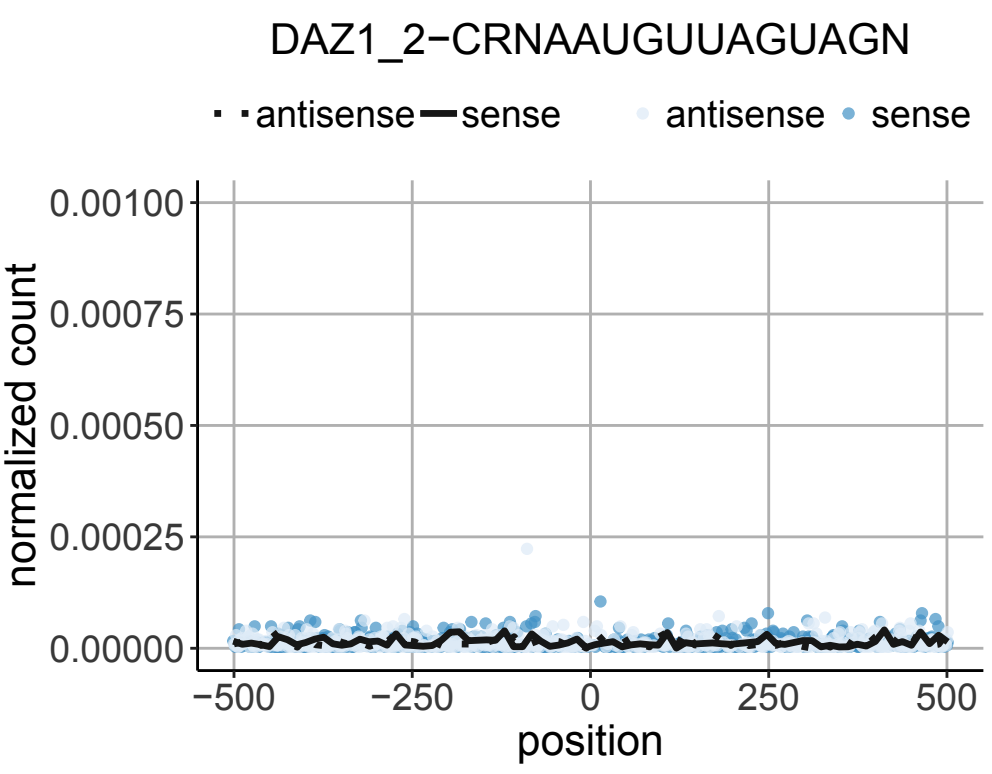
position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sense
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normalized count
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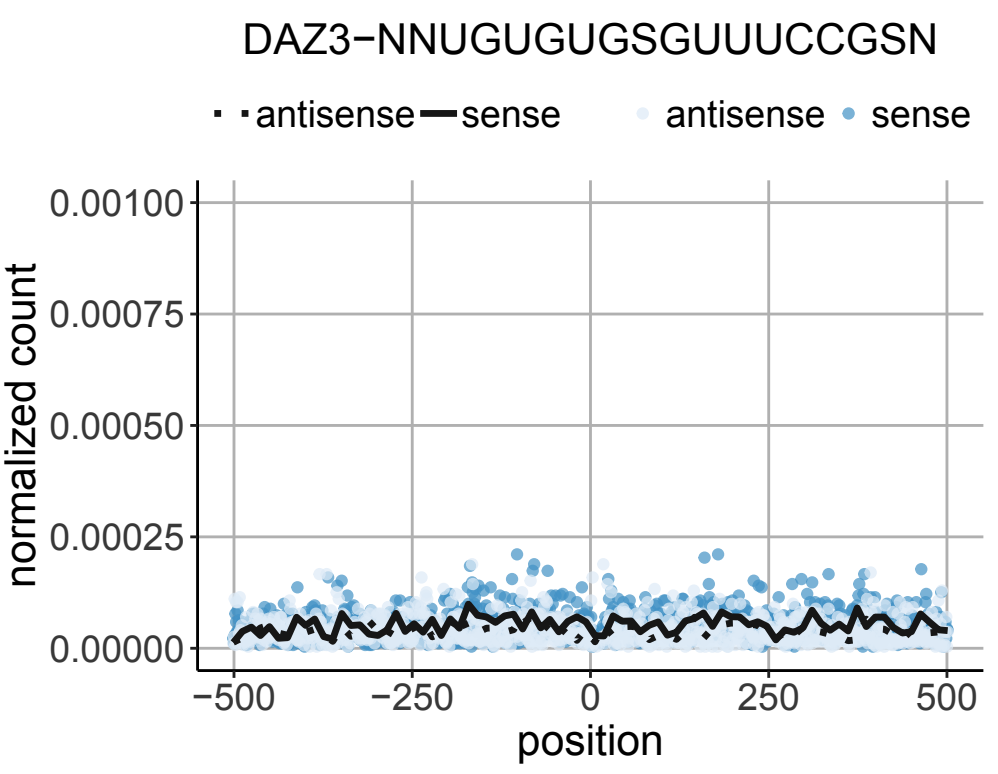
position


DAZ3−NNUGUGUGSGUUUCCGSN
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sense
antisense
sense
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normalized count
−500
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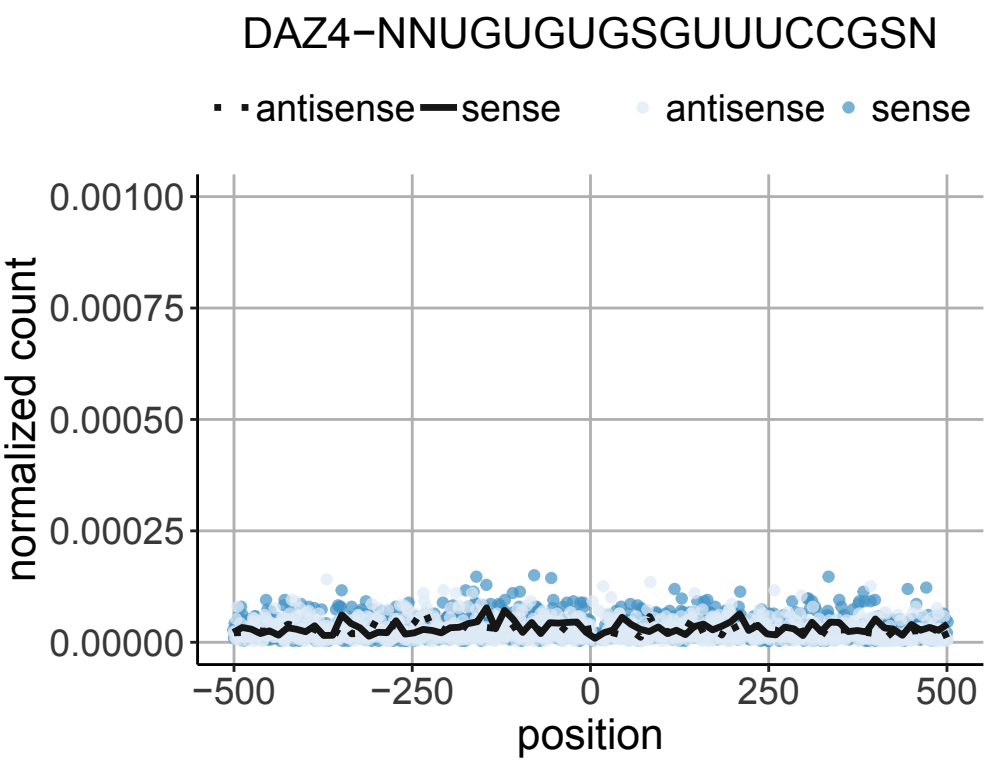
500
position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sense
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0.00025
0.00000
normalized count
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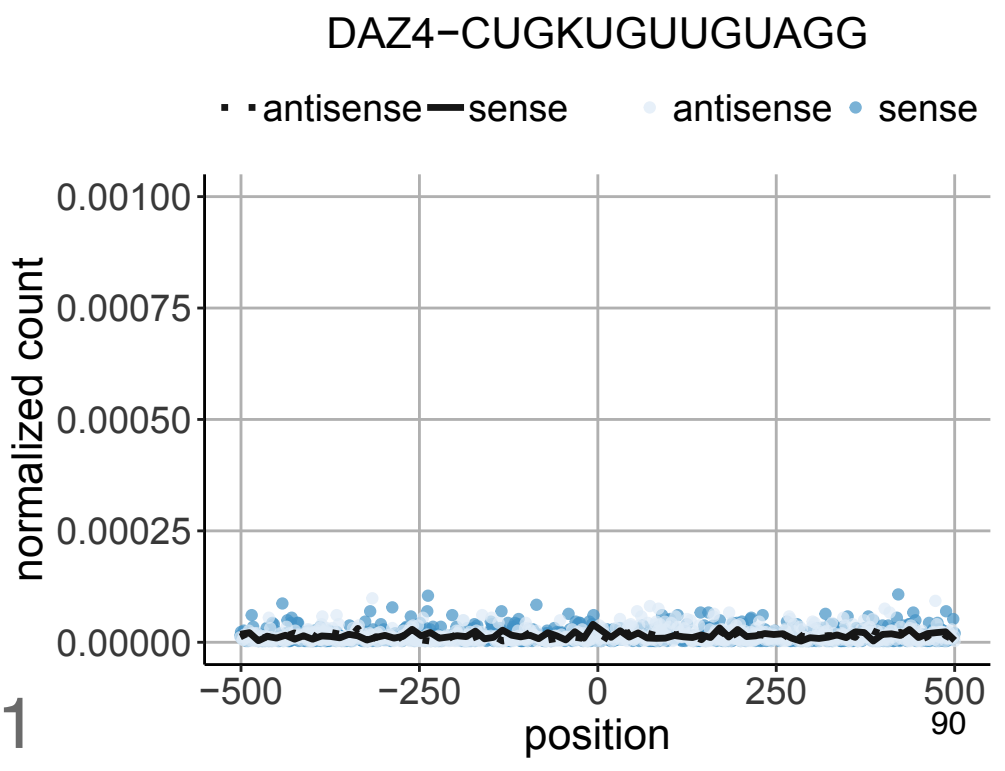
0
250
500
position


DAZ4−CUGKUGUUGUAGG
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sense
antisense
sense
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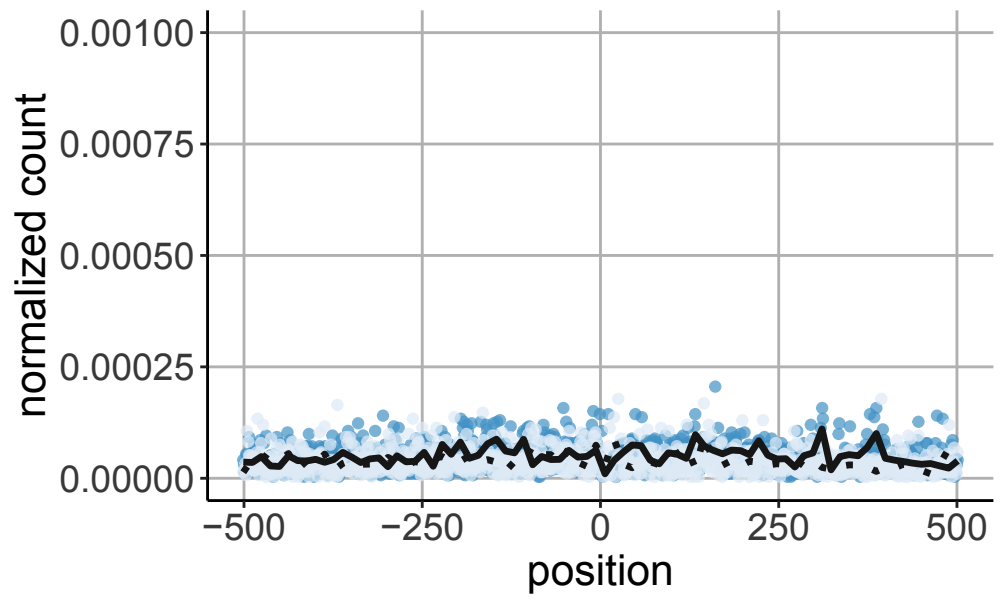
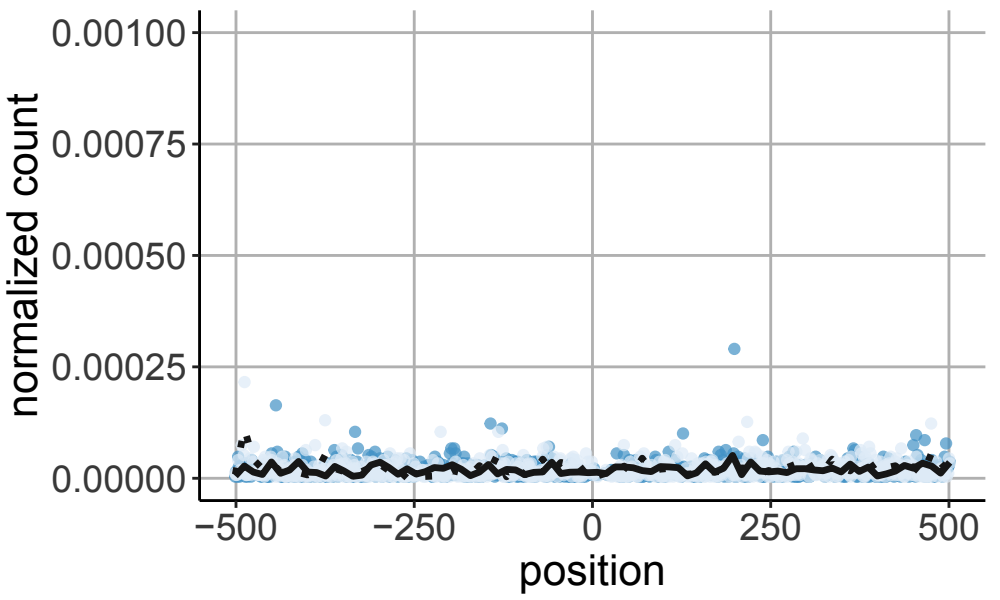
0.00075
0.00050
0.00025
0.00000
normalized count
−500
−250
0
250
500
position

start codon

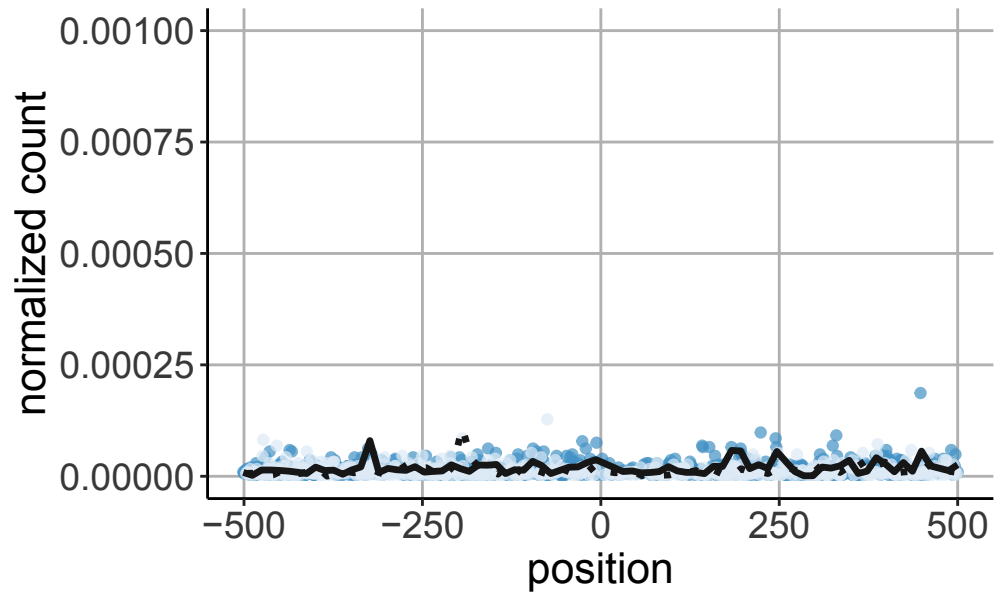
DAZL−NNUGYGUGCGUUUCCGSN



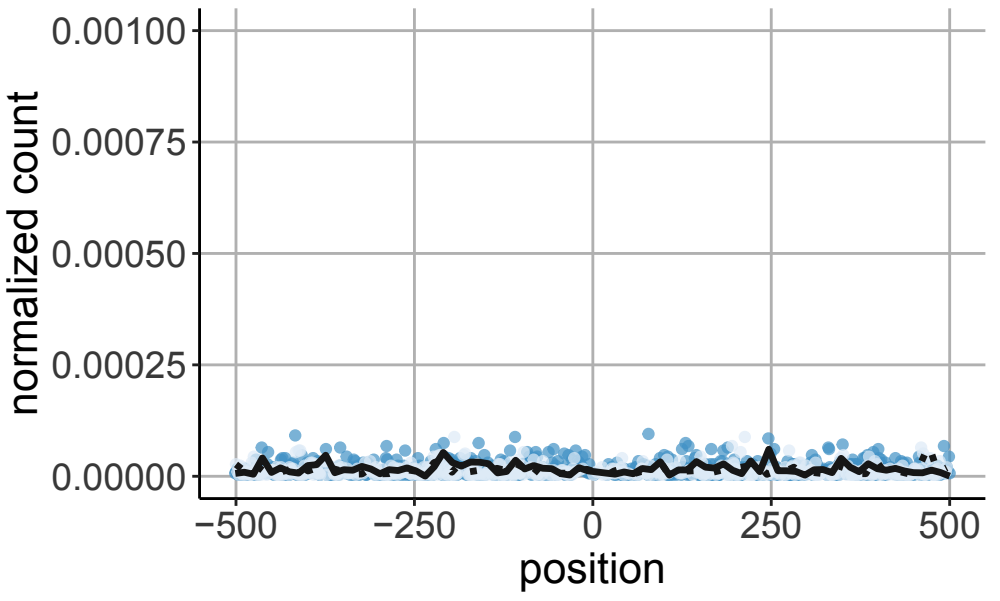

HNRNPA1−NGCAGUUUUAGGGCN



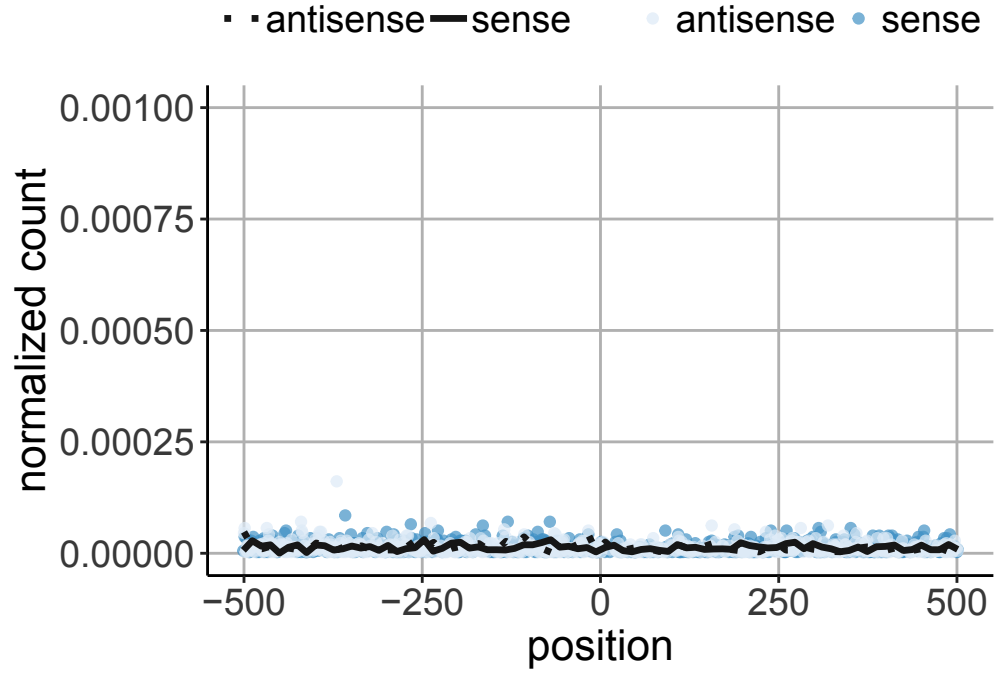

HNRNPC−NGGGUCUNAUUUUUAAN



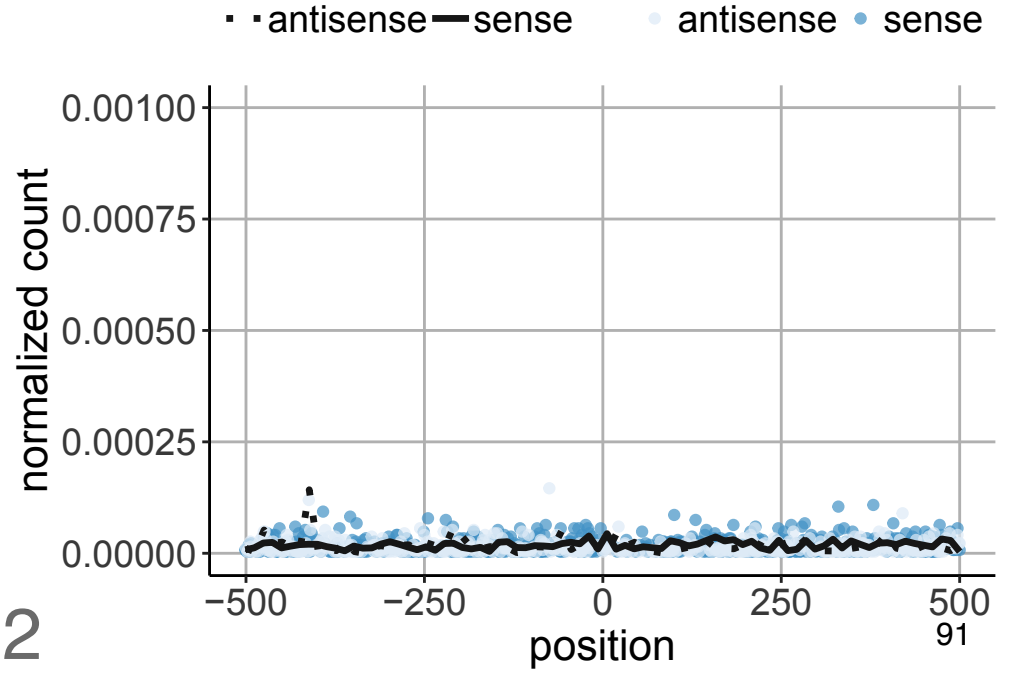

HNRNPCL1−NGGGUCUNAUUUUUAAN



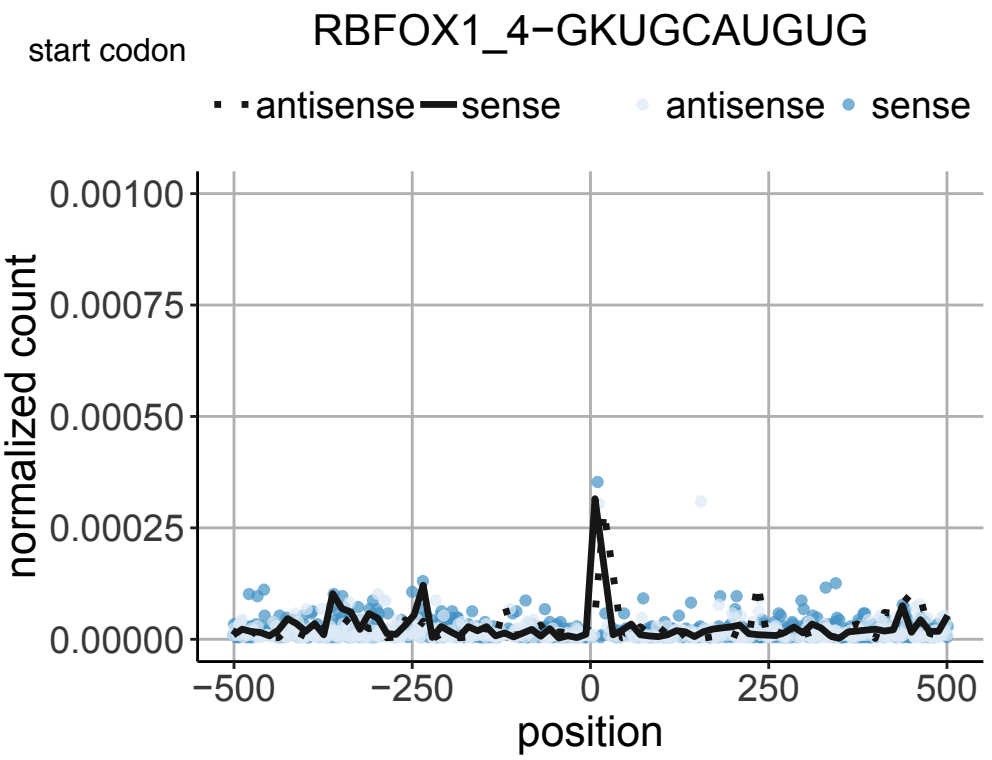

MKRN1−NYGUAAAKUGUAGN




RALY−GGGUCUUWUUUUUAA



start codon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antisense
sense
normalized count
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0.00050
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0.00000
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0
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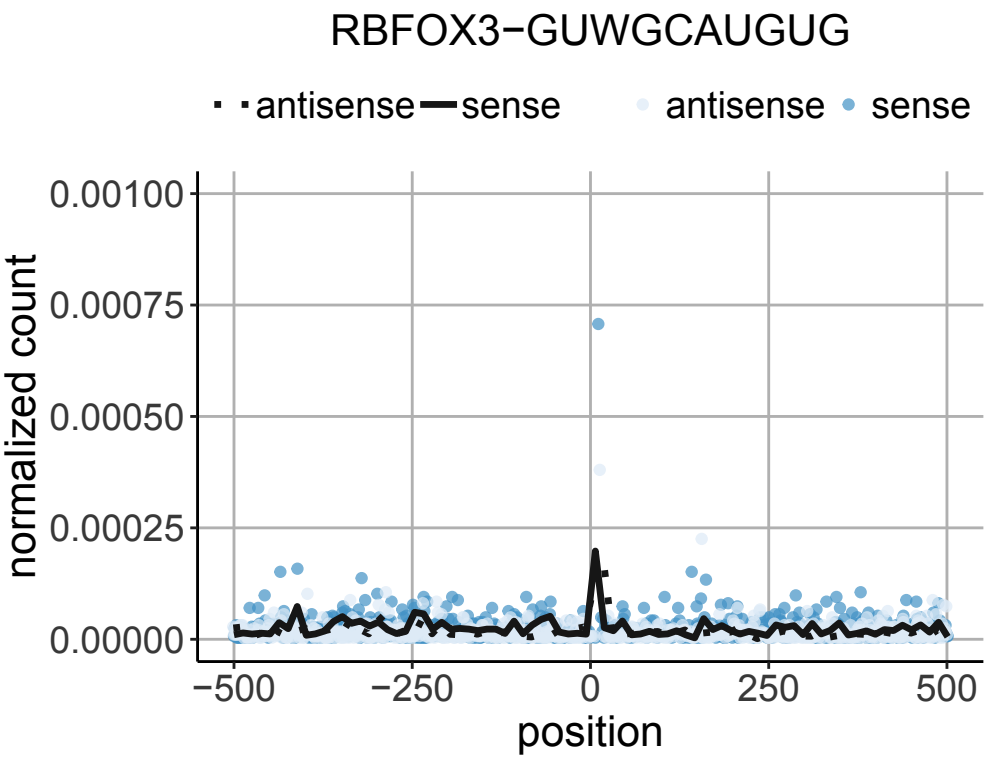
500
position


RBFOX3−GUWGCAUGUG
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sense
antisense
sense
normalized count
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0.00050
0.00025
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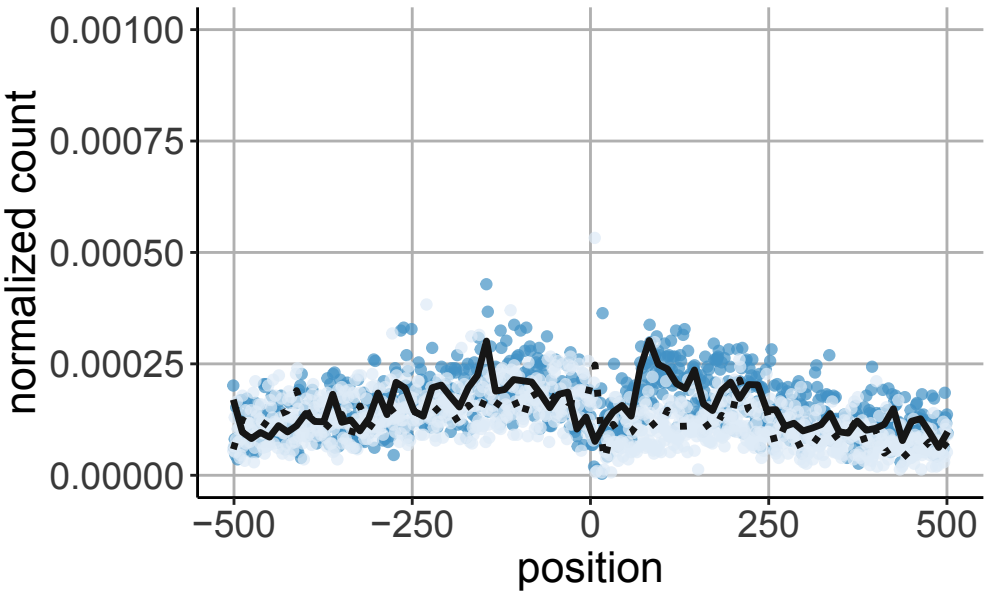
position


RBM4−KGUUGCGCGGG
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sense
antisense
sense
normalized count
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0.00050
0.00025
0.00000
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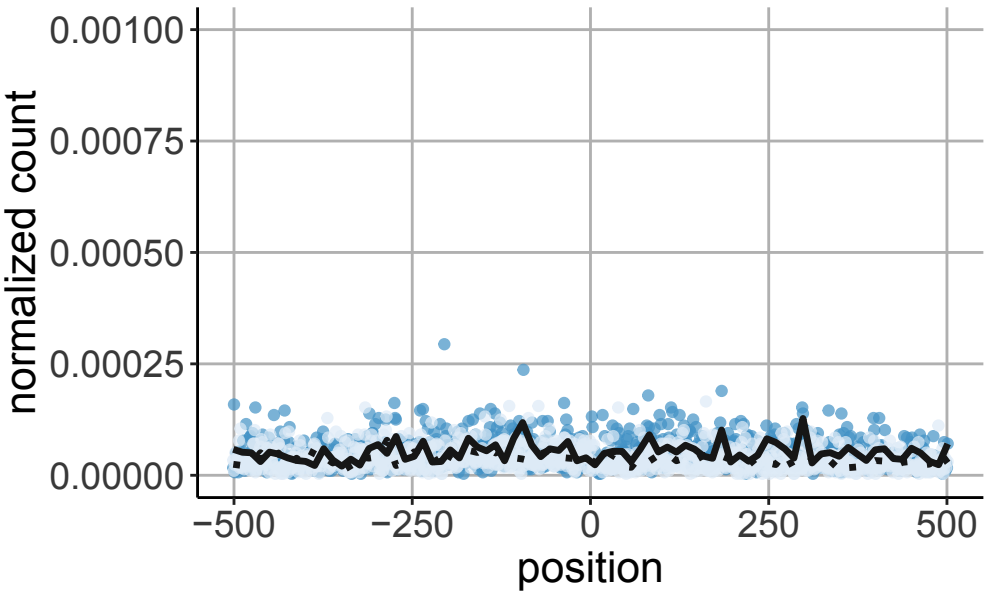
500
position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antisense
sense
normalized count
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0.00050
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−250
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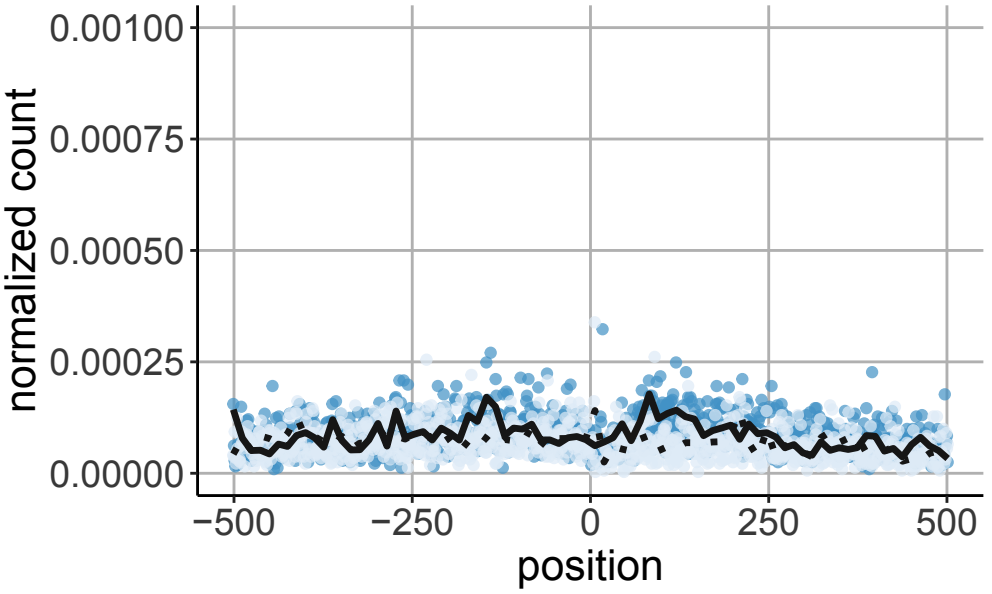
position


RBM4B−KGUUGCGCGGG
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sense
antisense
sense
normalized count
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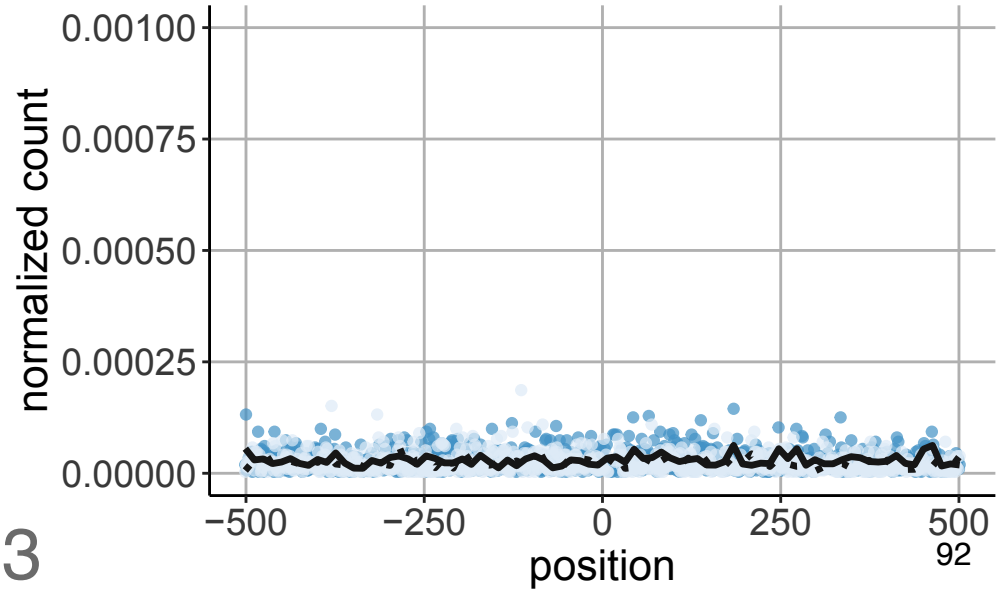
position


RBM4B−UGAGUGCGGUAG
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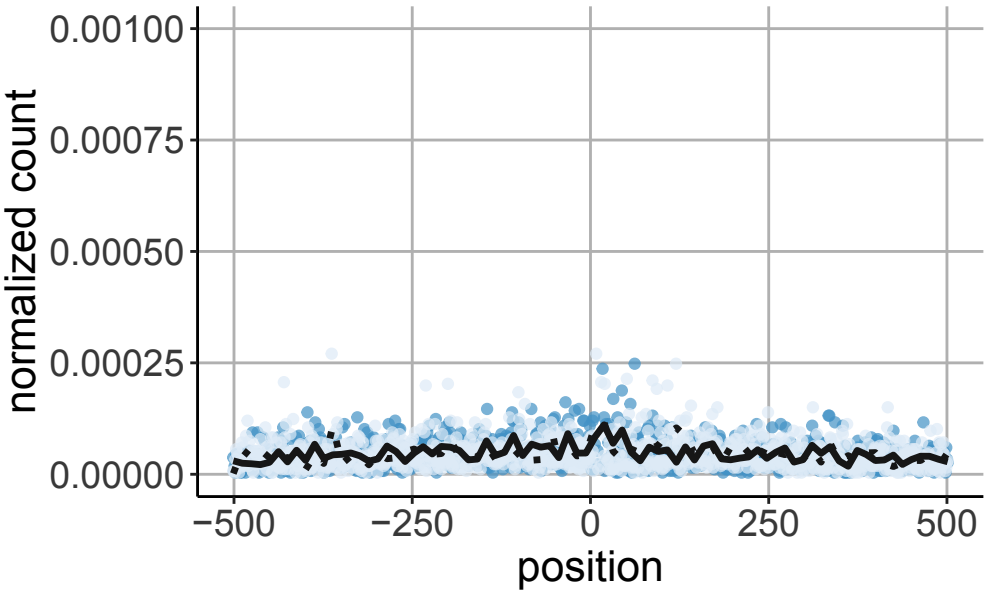
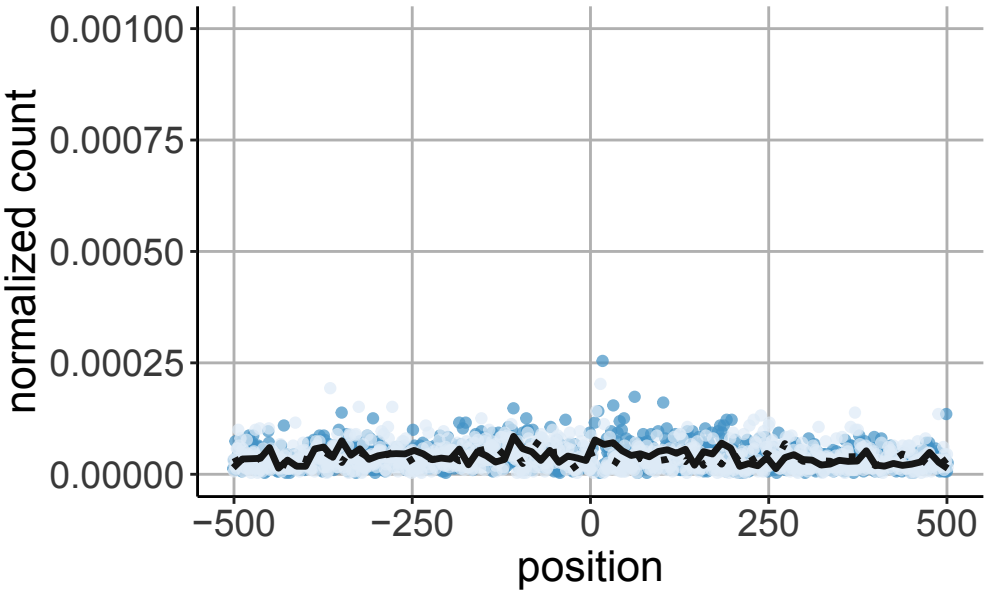
sense
antisense
sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

start codon

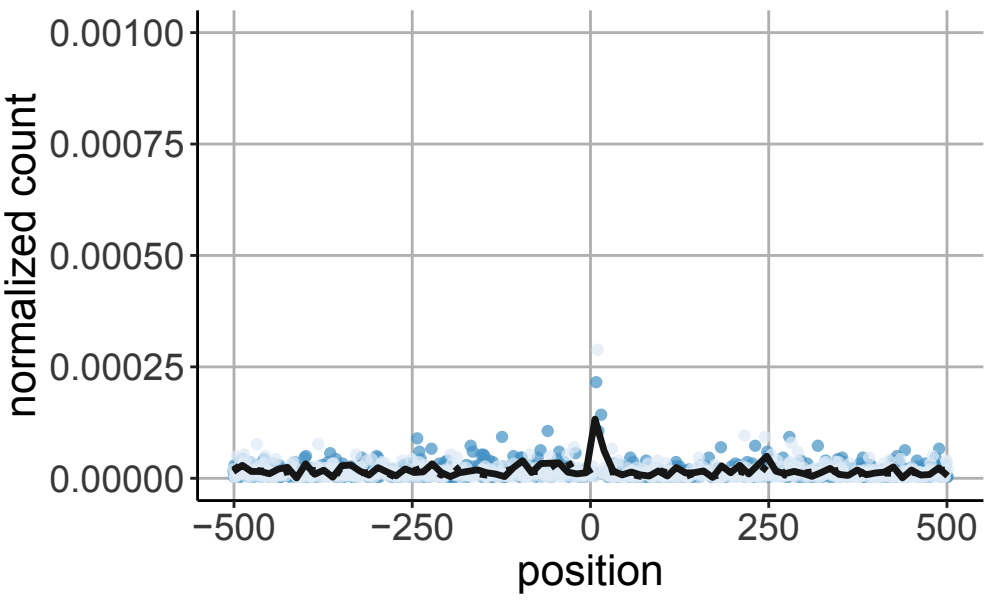
RBM6−YRCGCUCCUNGCY



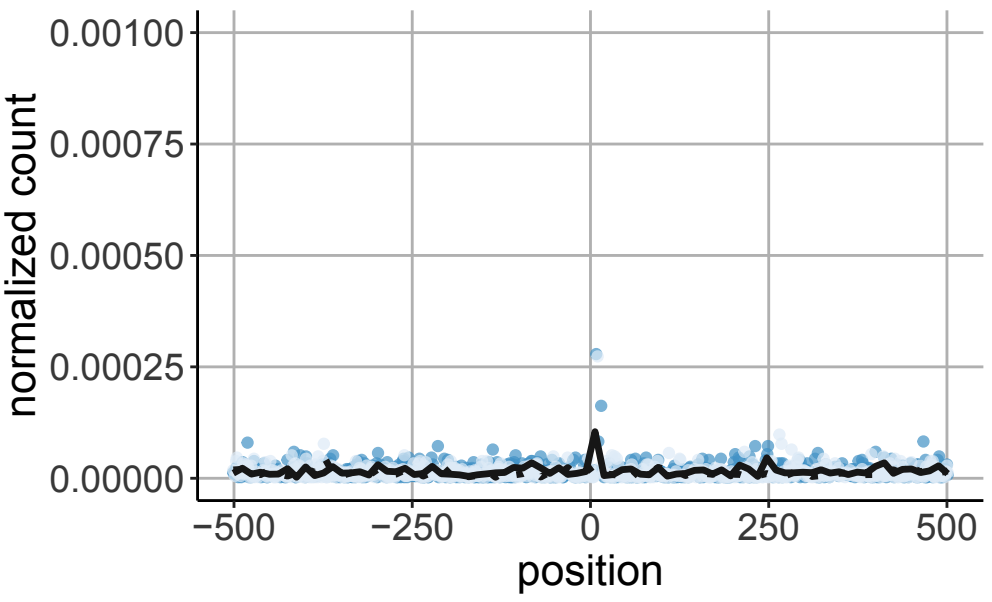

RBM6−YRYGCUCGUGCYN



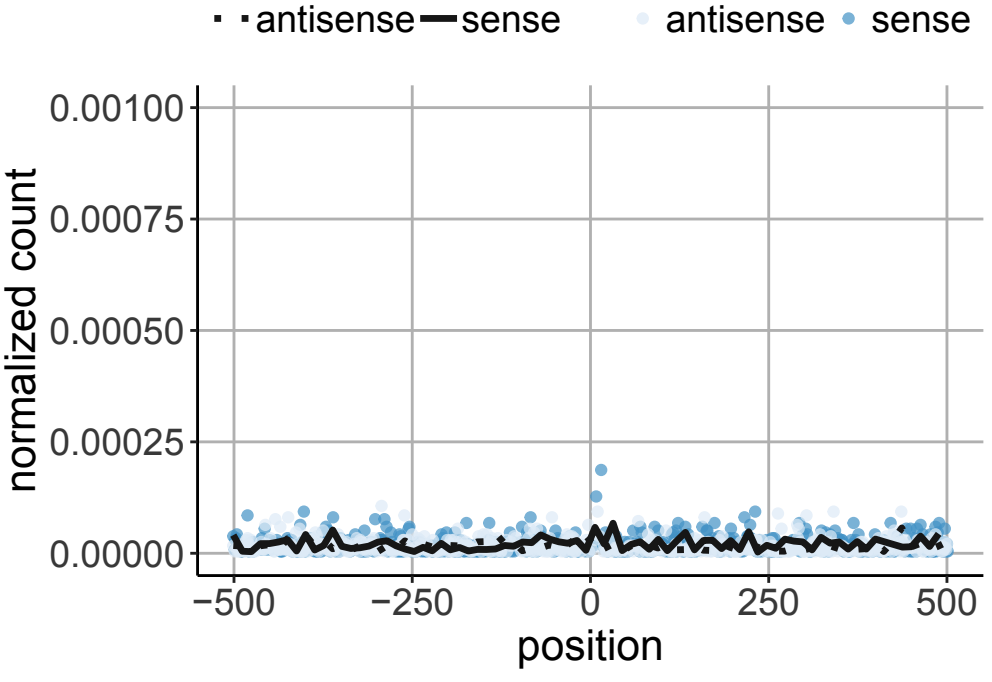

RBMS1−SGUGCAUAAKGCN



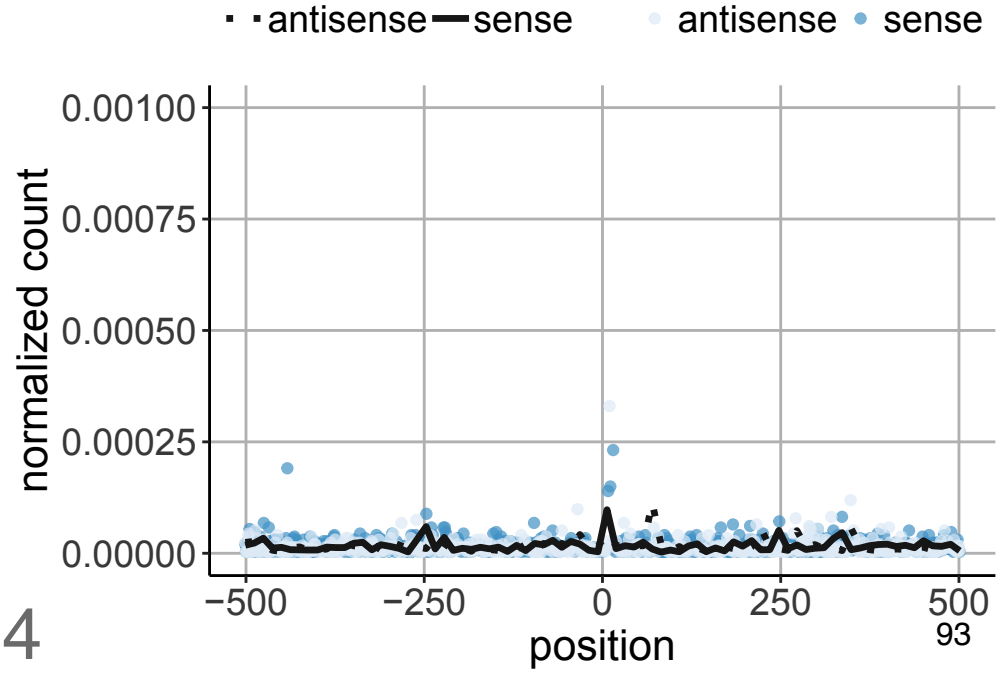

RBMS2−NUGCAUAAUGN




RBMS3−NUGCAUAAUGN

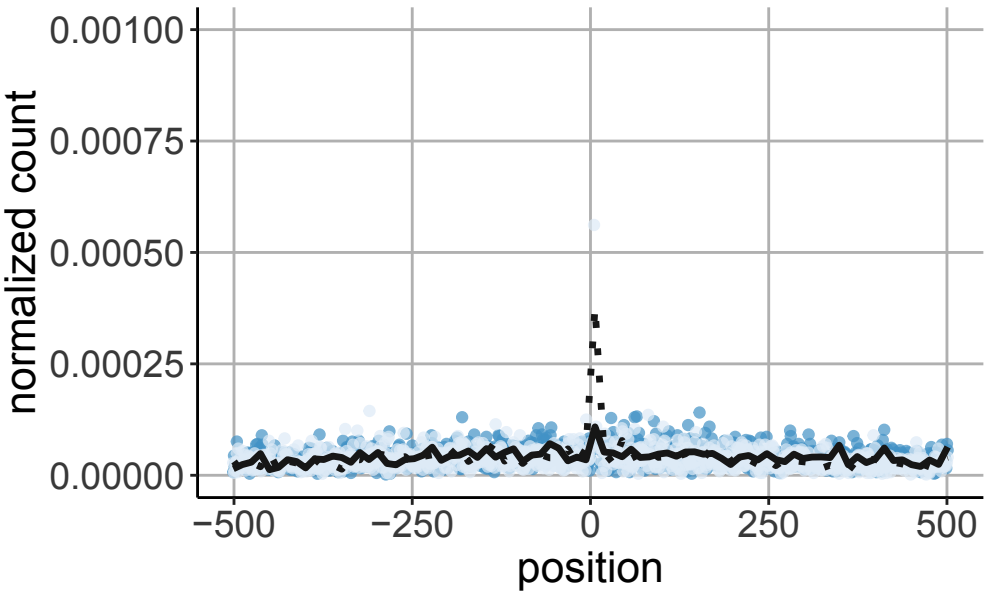



RBMS3−SAUGYAURAKKUG

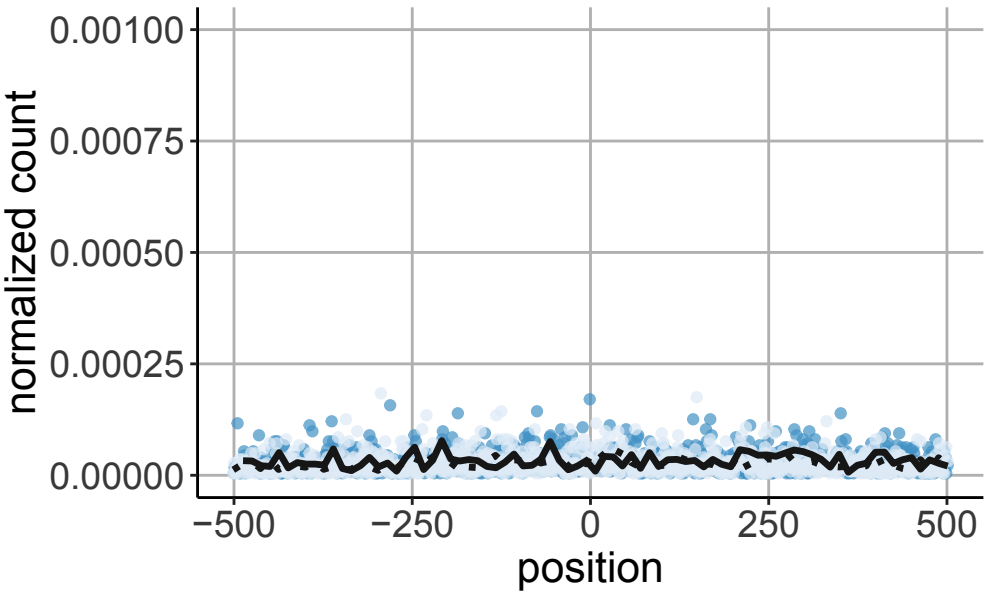


start codon

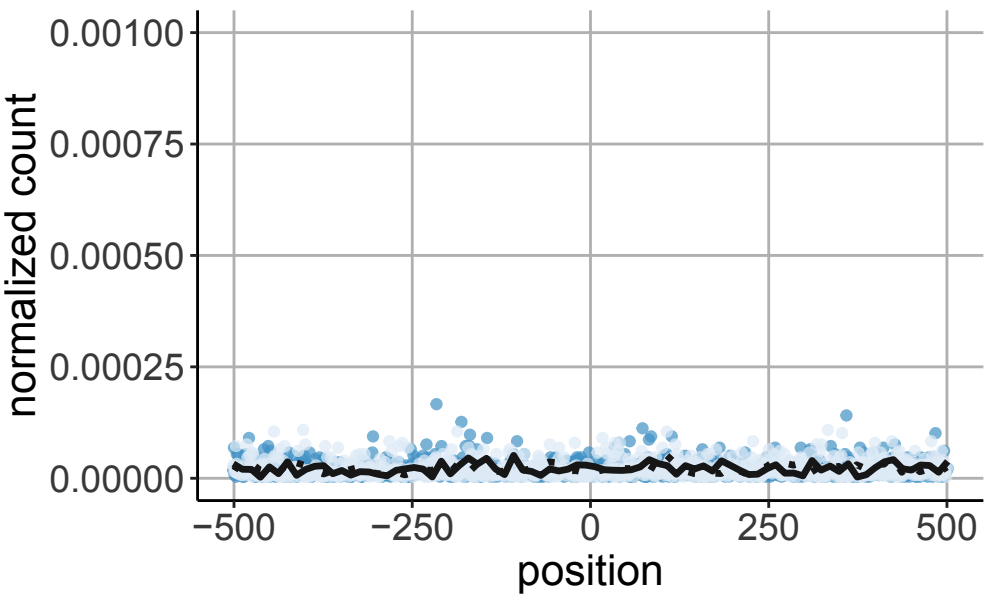
RBMY1E−NGCUUCGNGCN



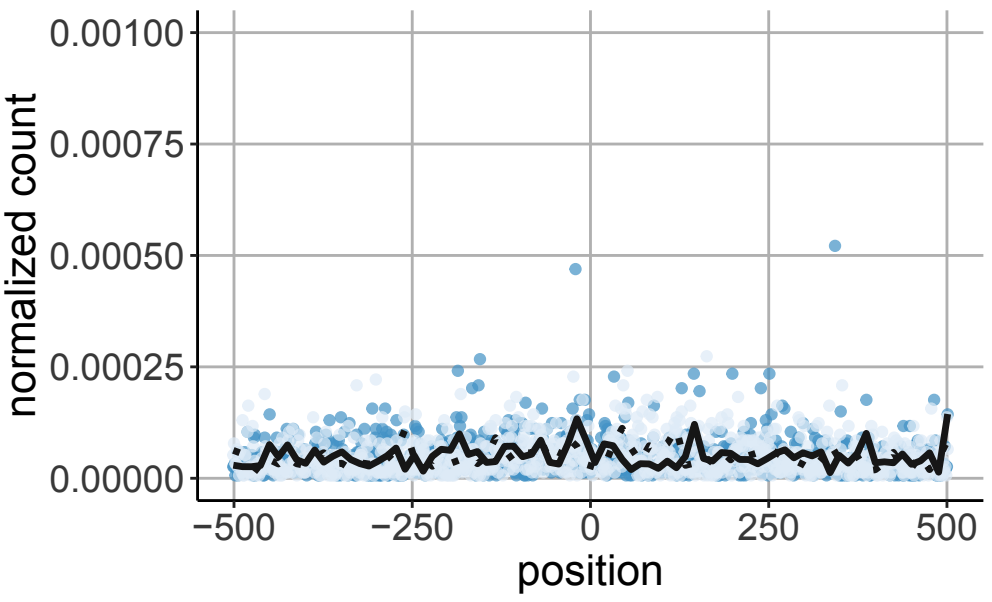

RBMY1E−NAGCUUNGUGCUN



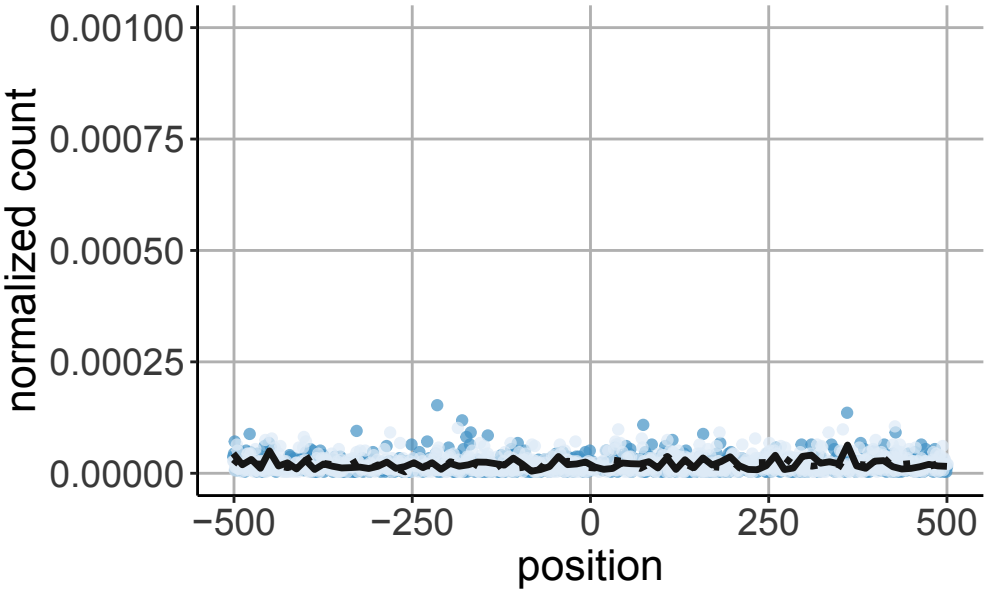

RBMY1F−NGCCCUCAAGGYN



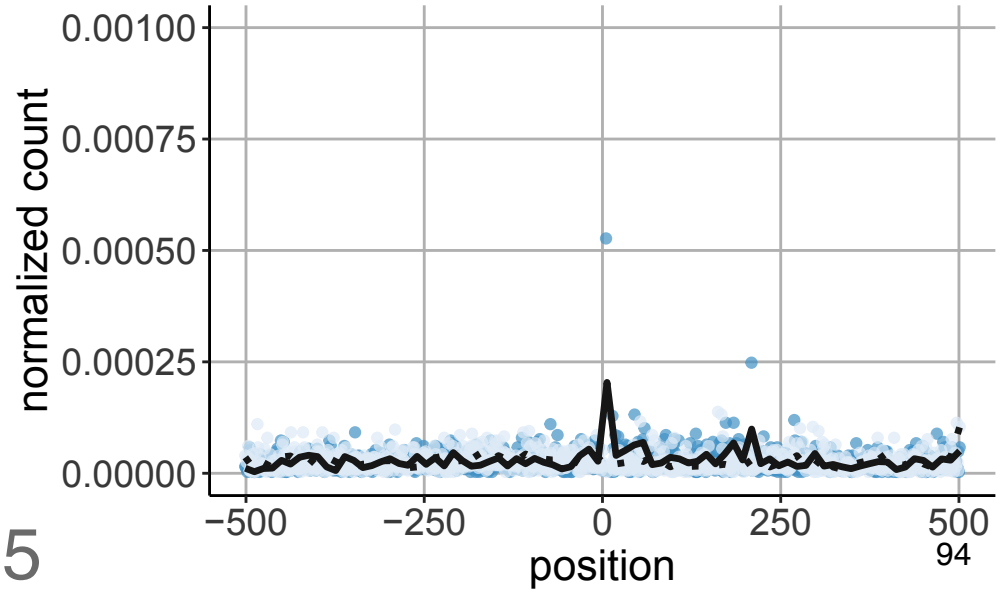

RBMY1F−GCGCAAGAGC




RBMY1J−NGCCCUCAAGGYN

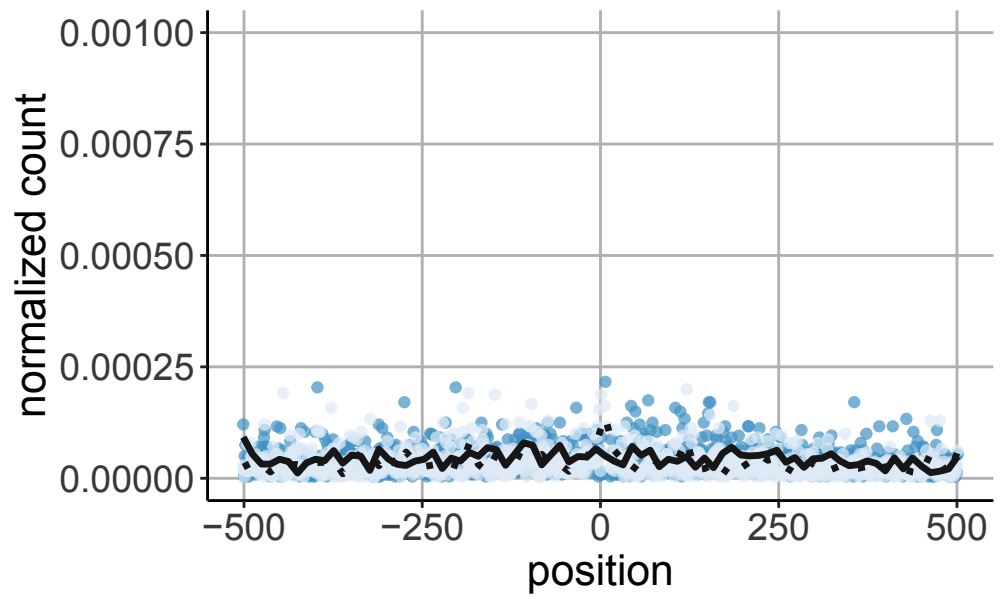



RBMY1J−GCGCAAGAGC

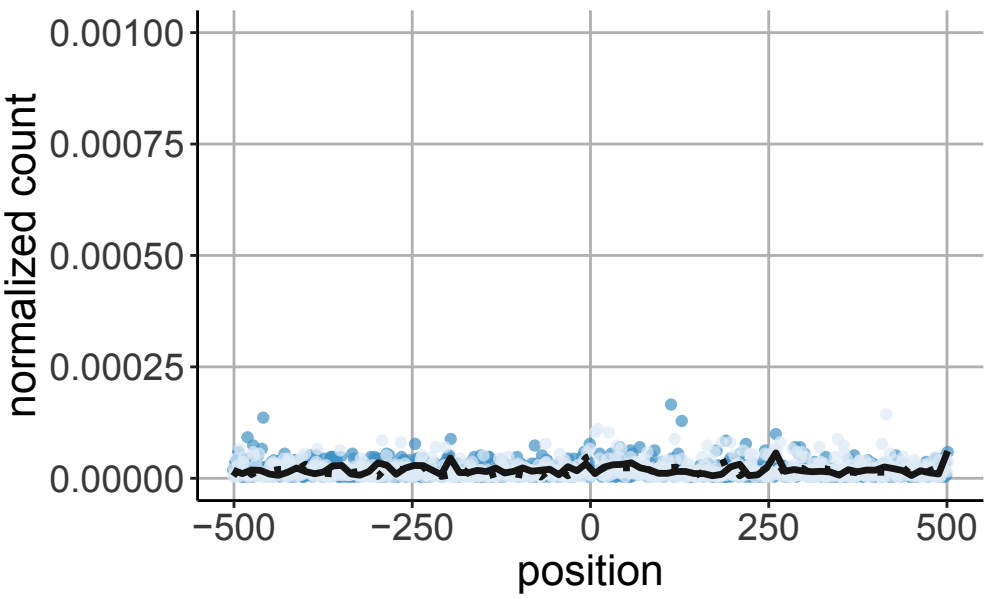


start codon

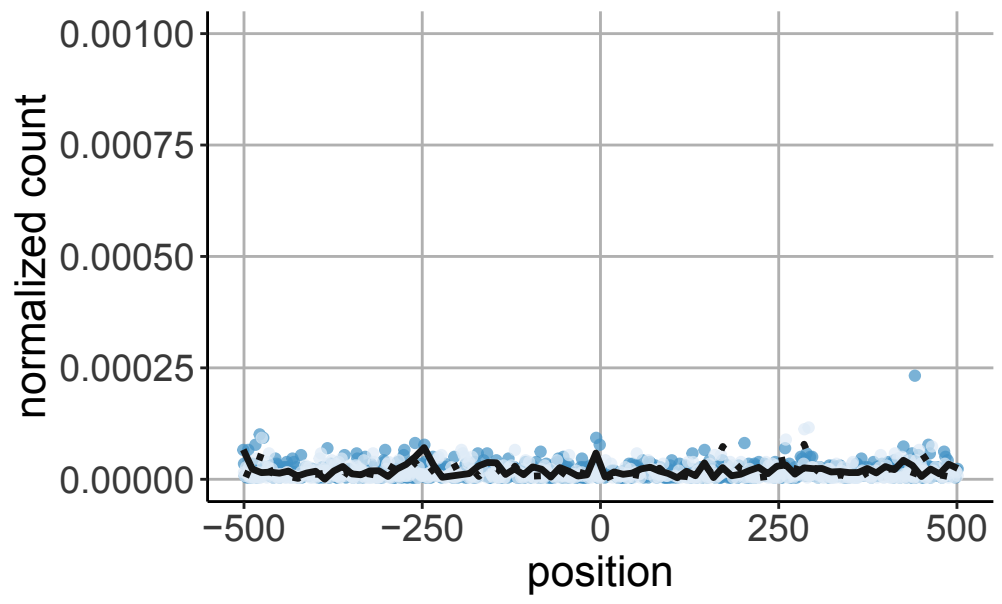
RBMY1J−NGCGUCGUGGCN



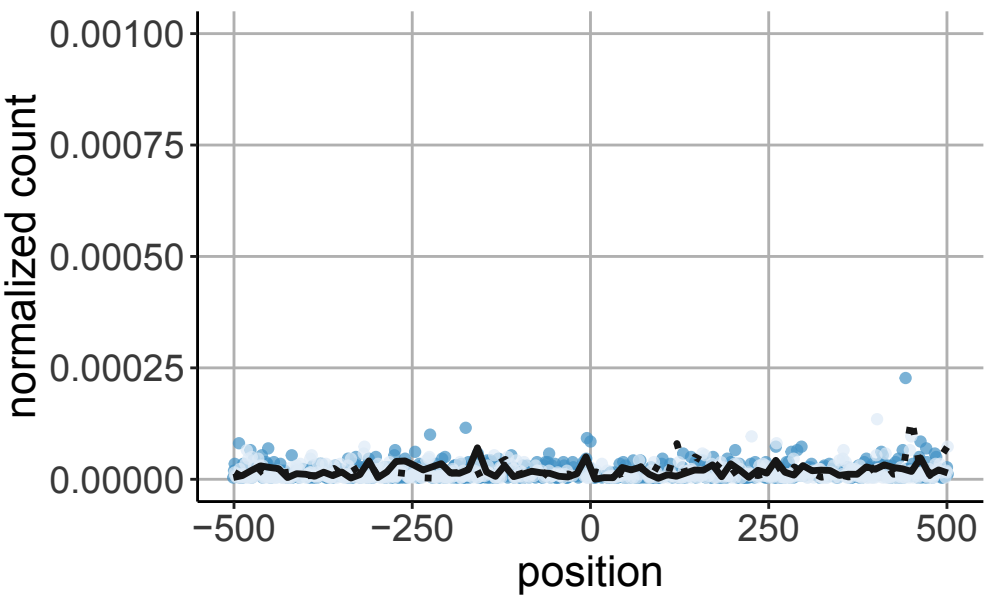

RBMY1J−UGAAUUCGUCN



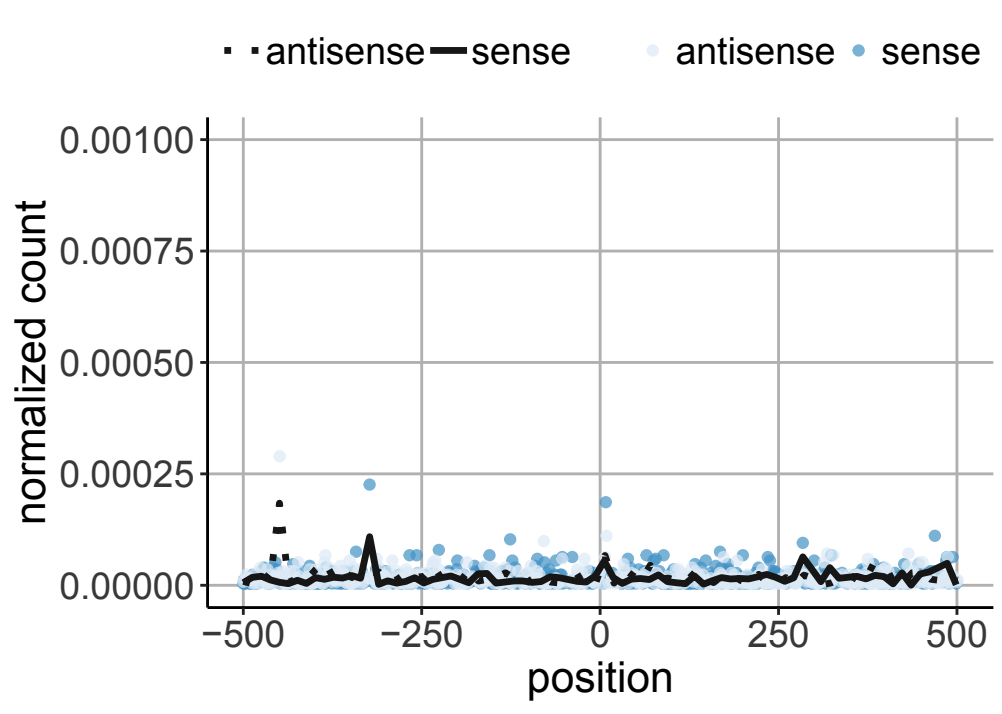

RC3H1_2−YRCGUUUUAGKR



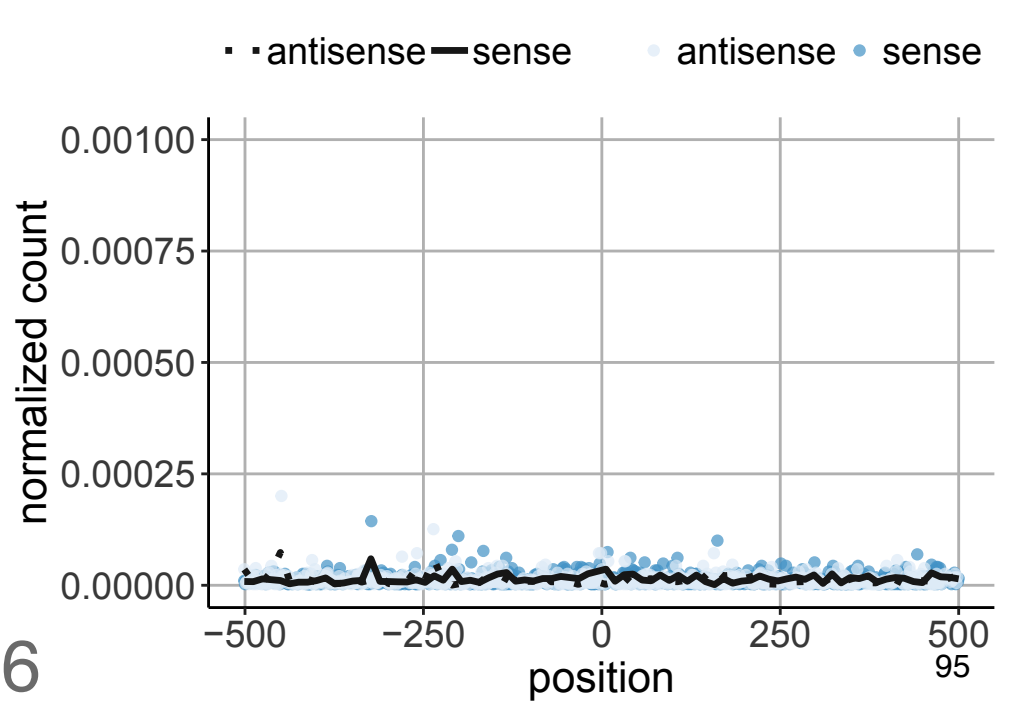

RC3H2−CURCGUUUUAGKAG




RC3H2−CUCGUAUCGAG

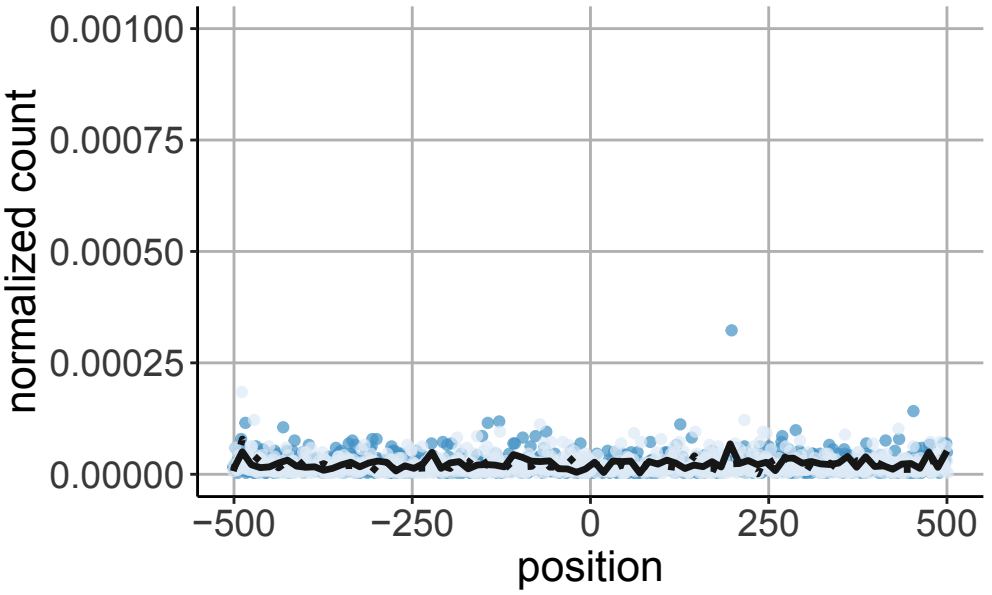



RC3H2−CCUCUNUGAGG

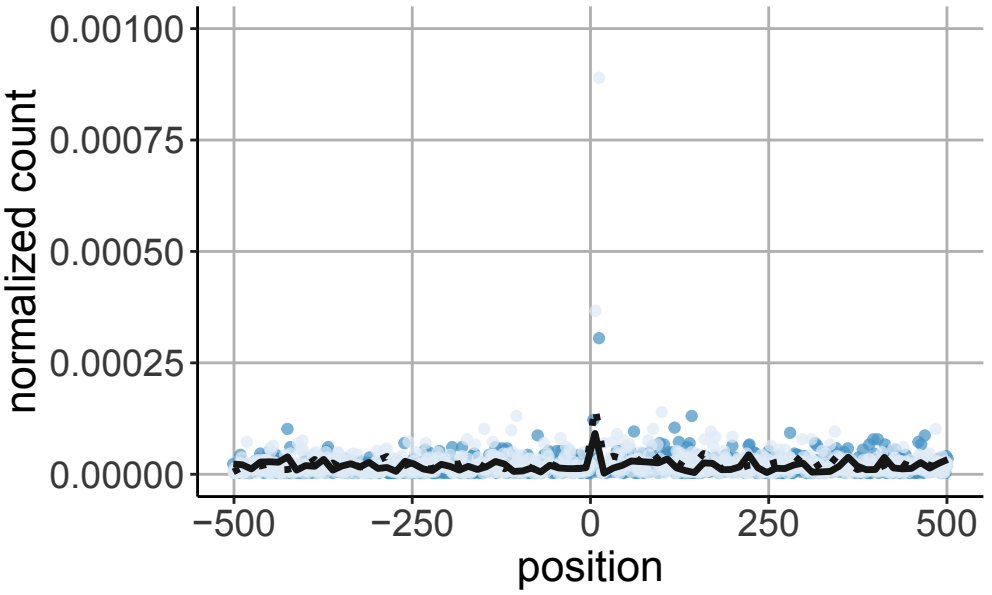


start codon

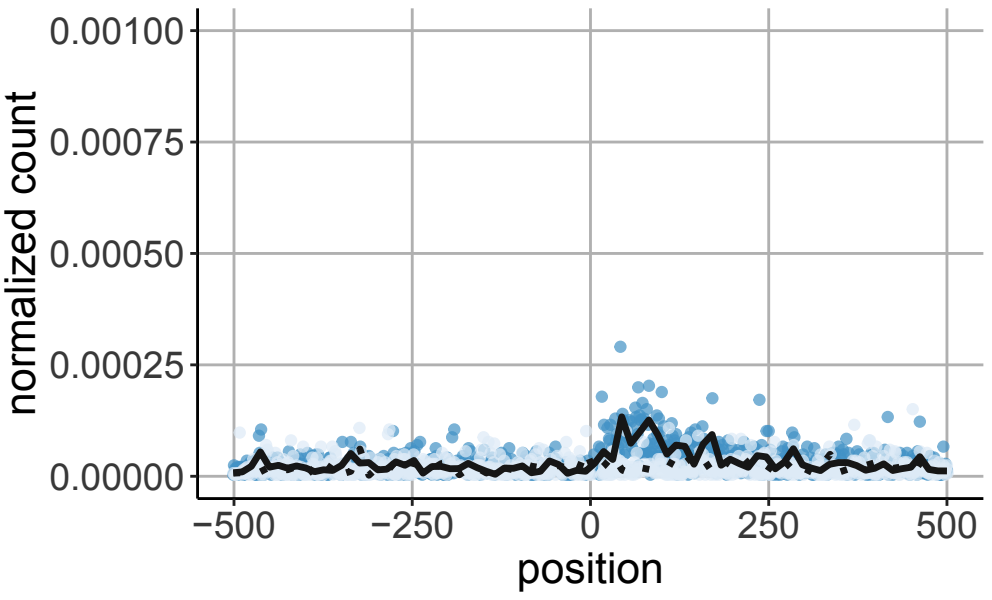
RNPC3−GCAGUKUUAGGGY



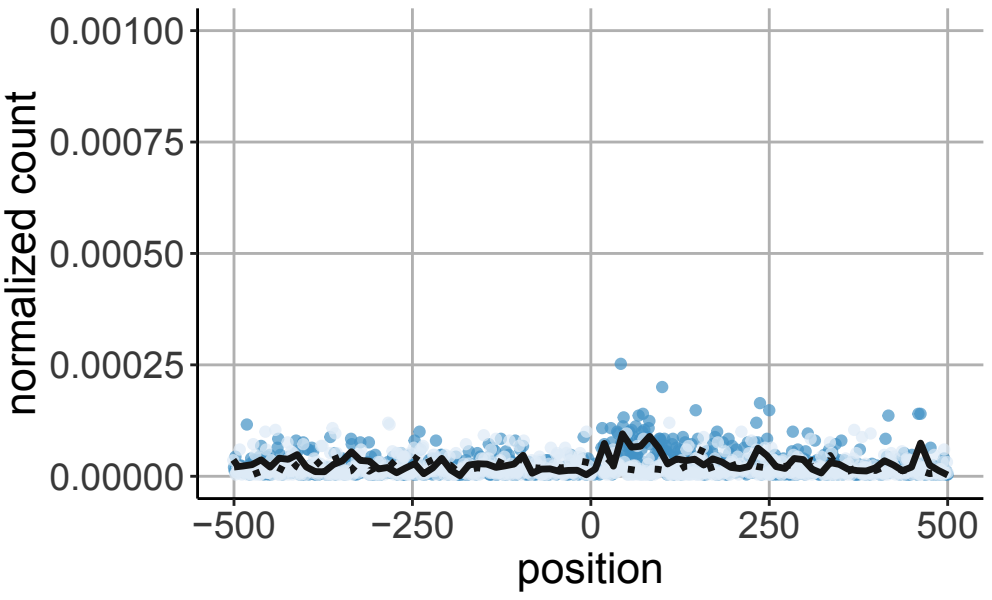

YBX1−RCCAYRHCAUCGY



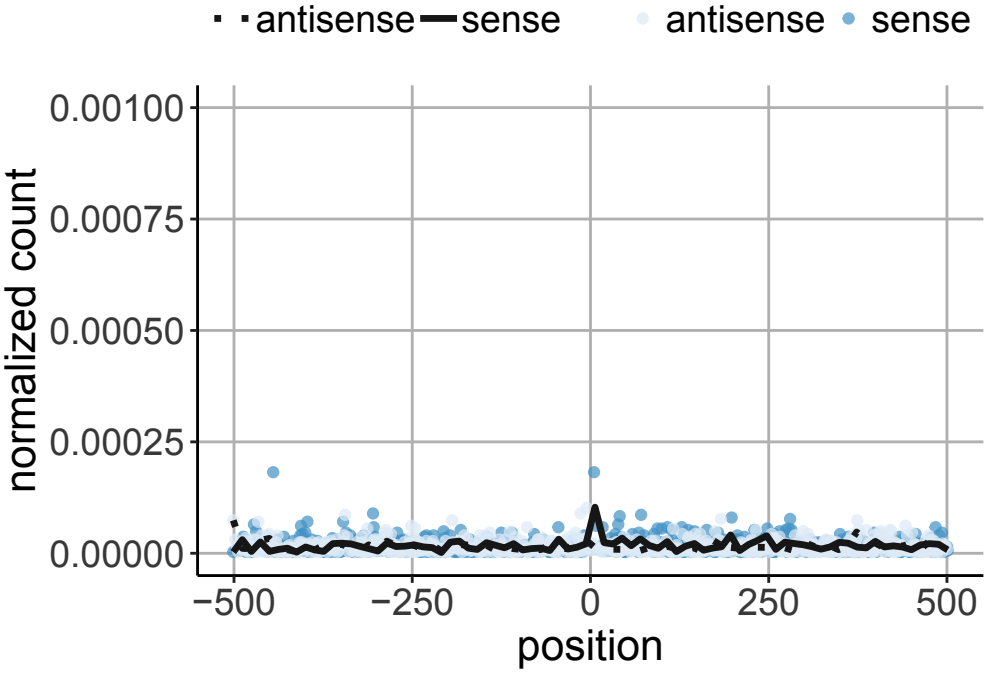

ZC3H12A−NGCAGGUAAGUGCN




ZC3H12B−NGCAGGUAAGUGSN

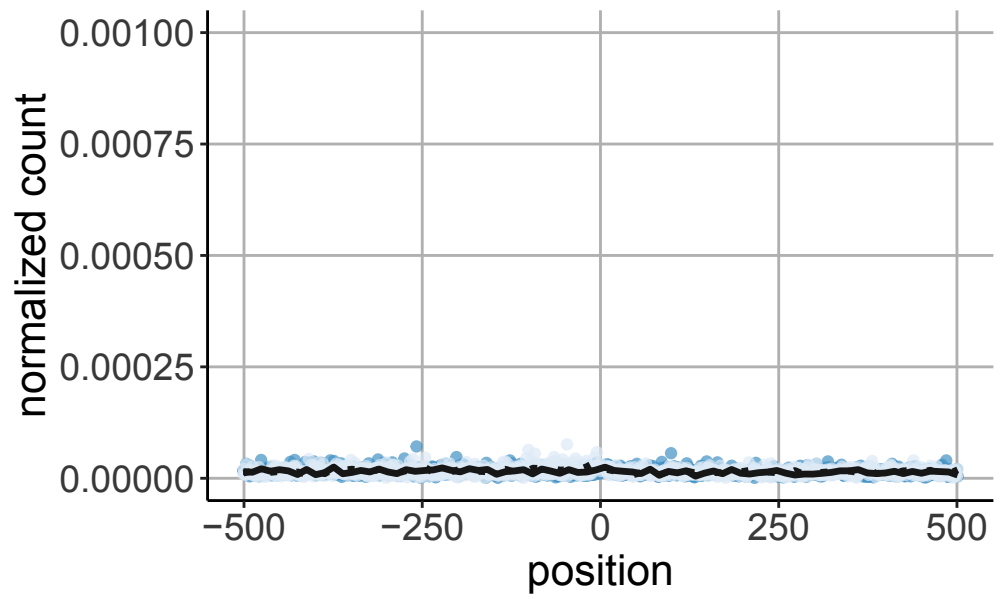



ZC3H12B−SCAGGUAUUAUGS

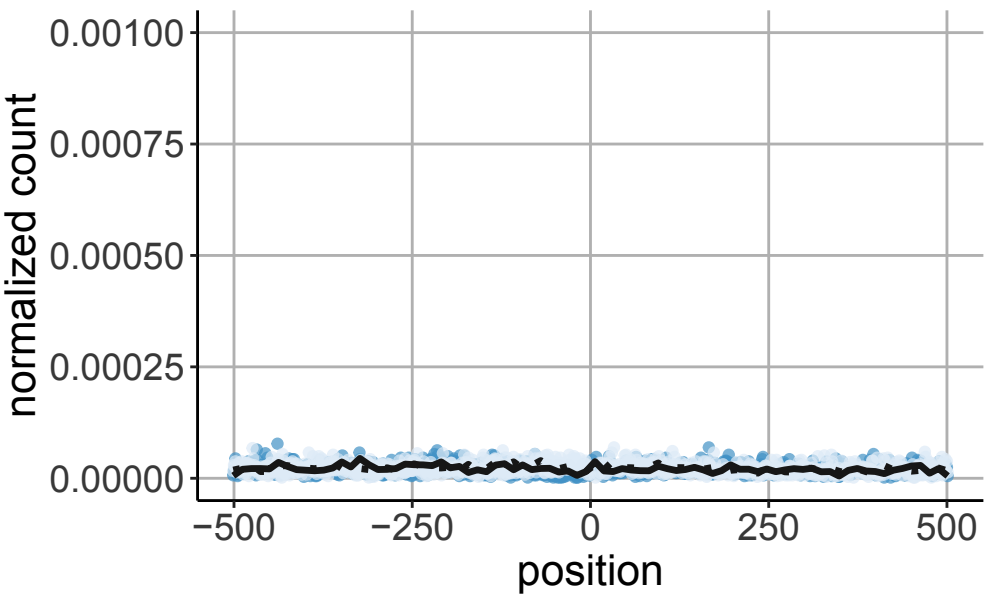


stop codon

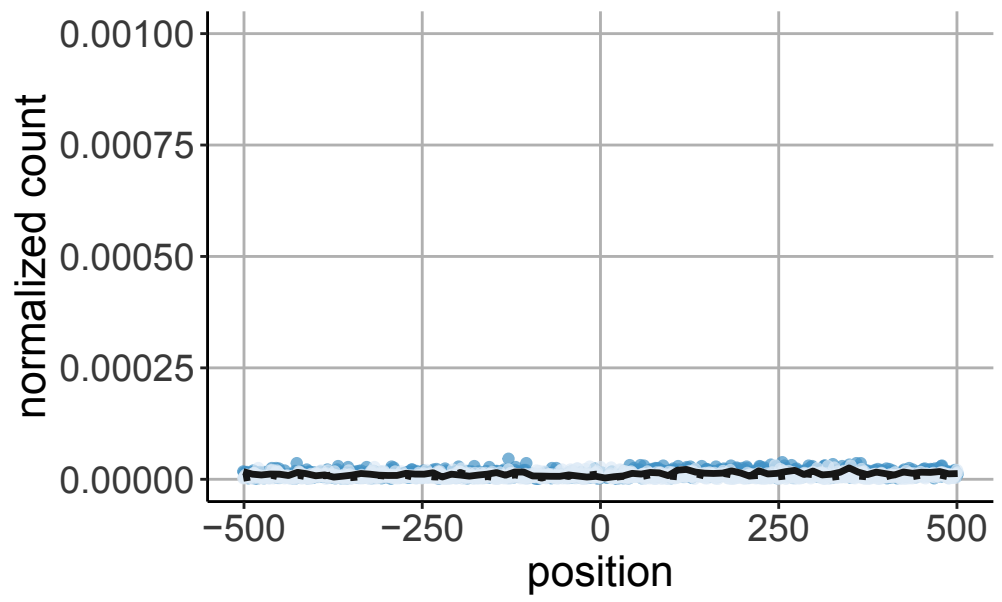
ZC3H8−GCUUGC



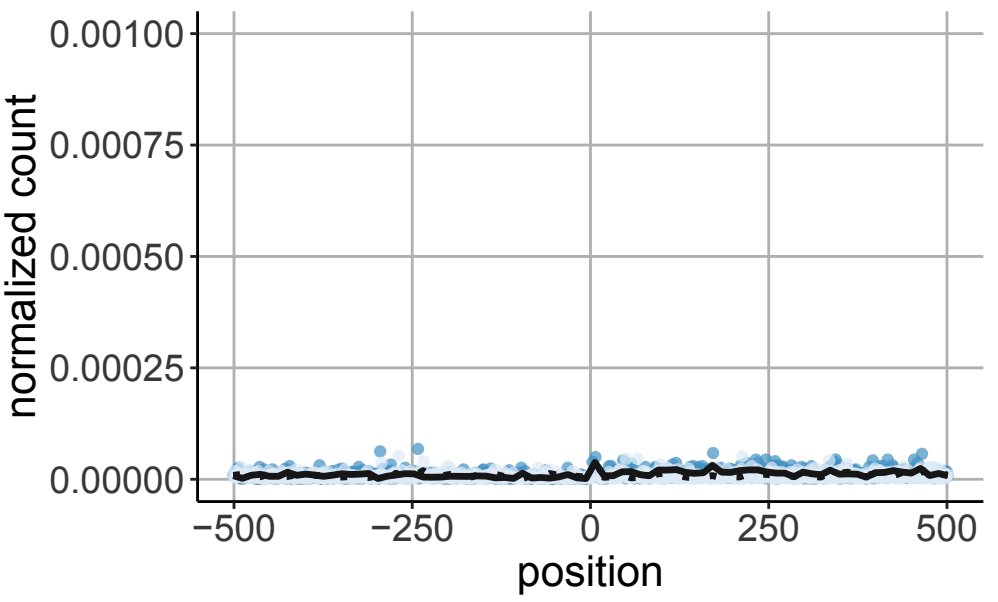

ESRP1_3−GGUGUUGGUG



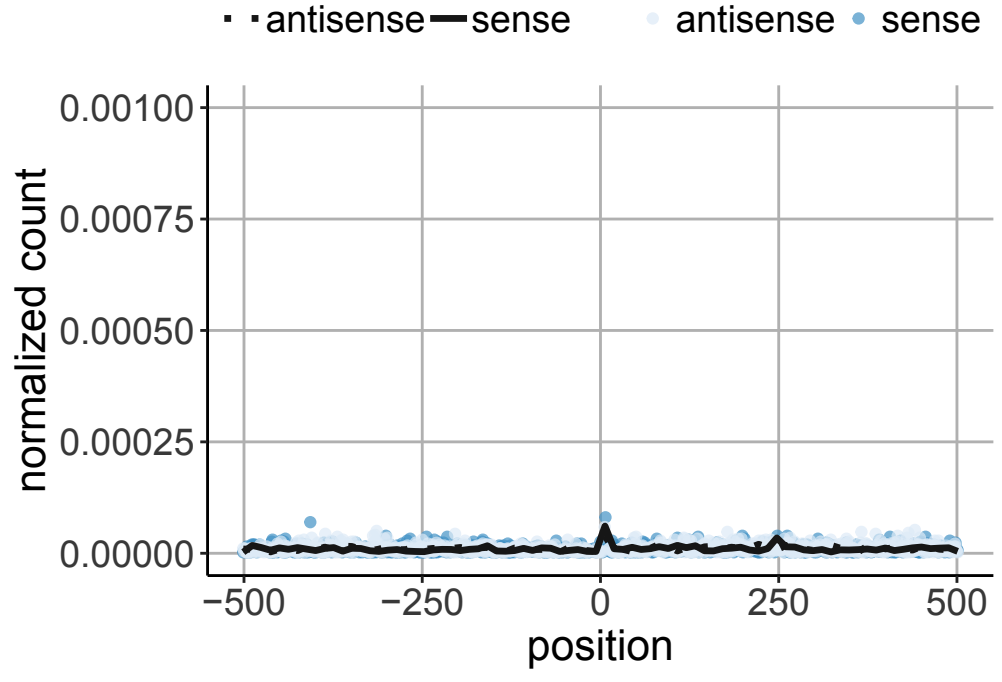

ELAVL3−GUUUUUG



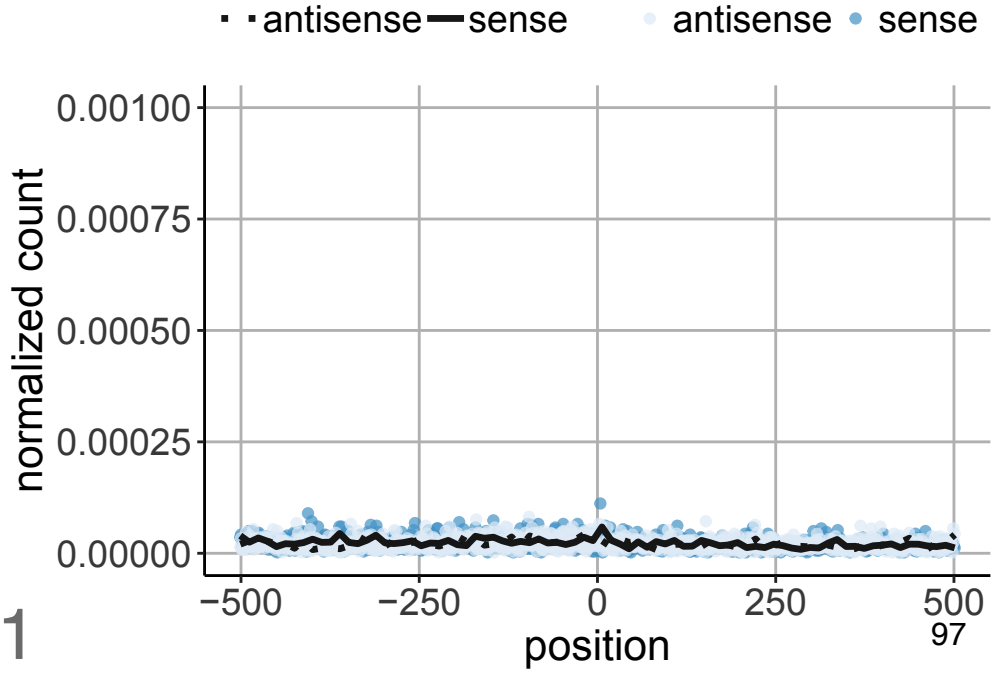

PUM1−NUGUAAAUAG




QKI−NUACUAACAWN

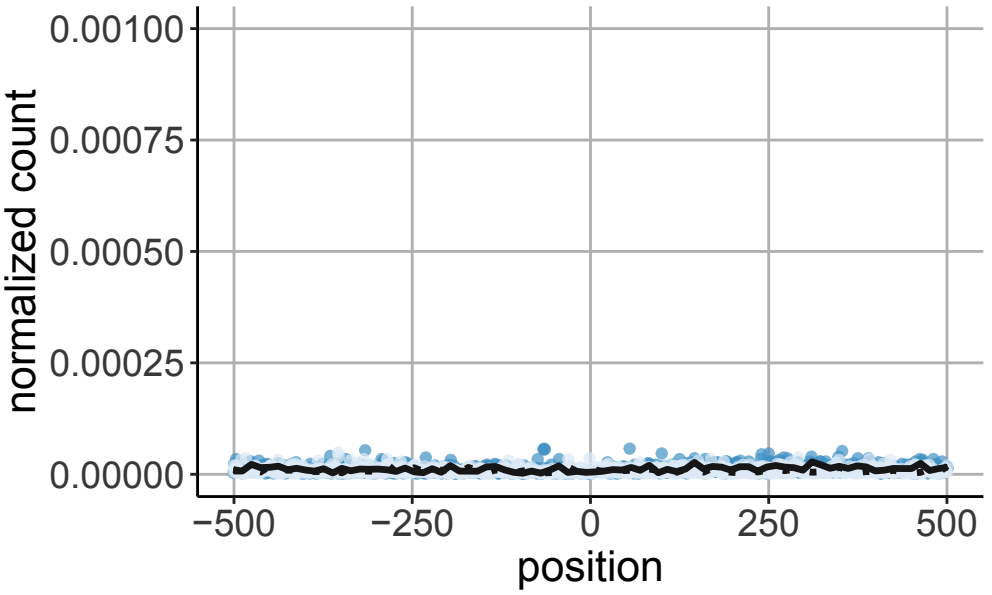



MCM3AP−CGCCAGUGCG

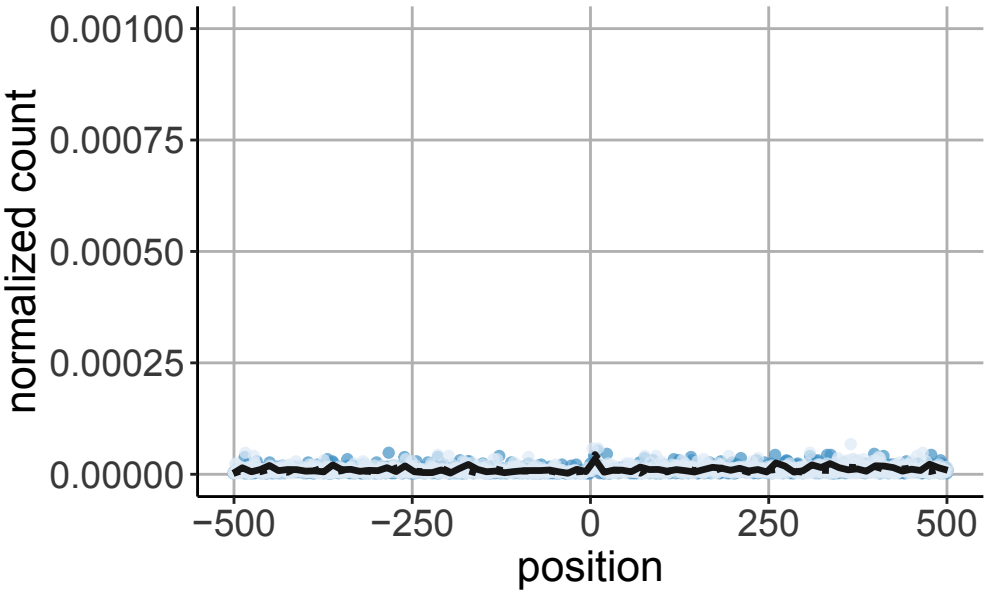


stop codon

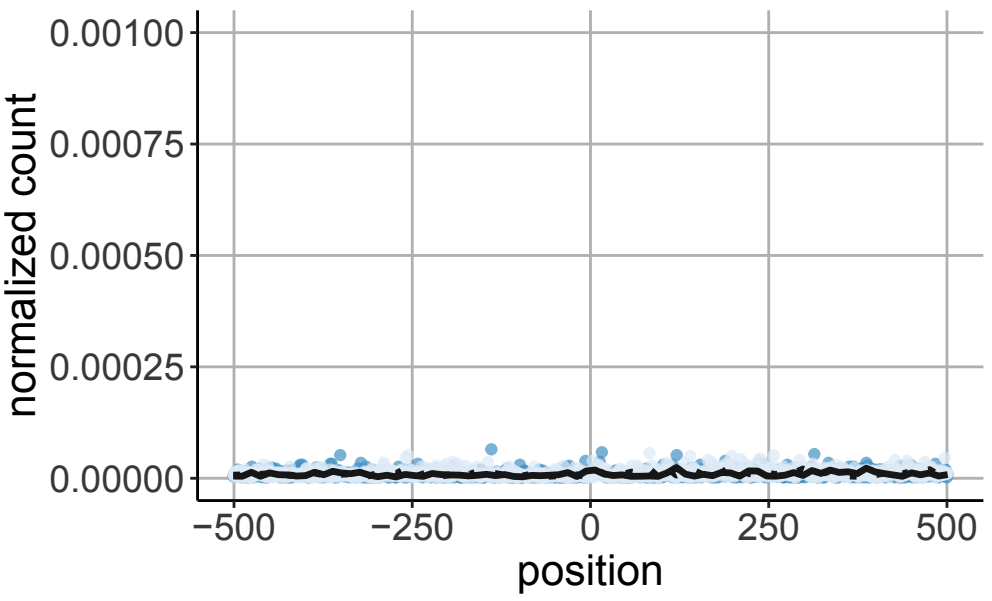
HNRNPC−UUUUUGGUGG



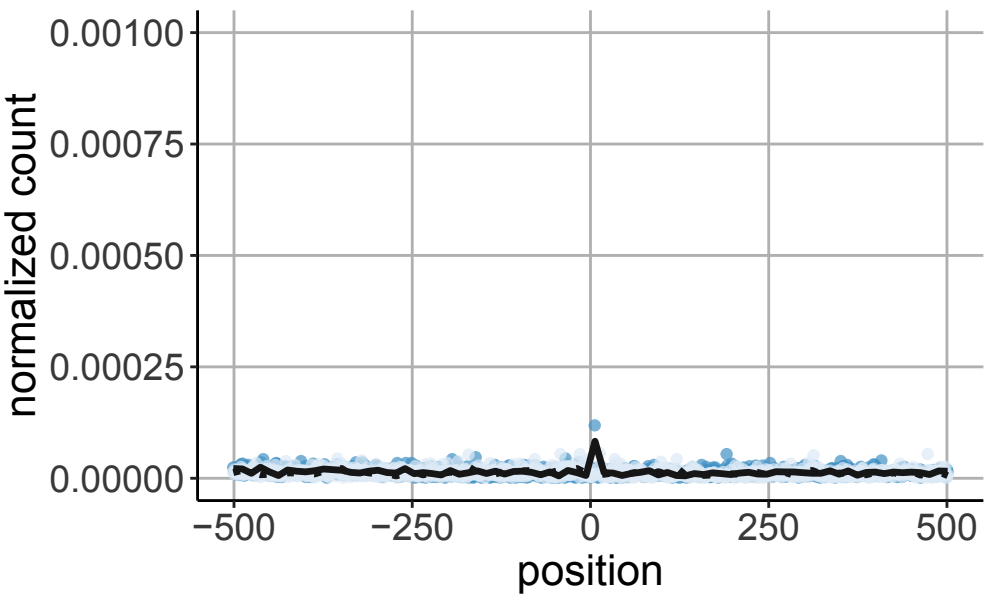

PABPC5−NUAKAAAKUURCN



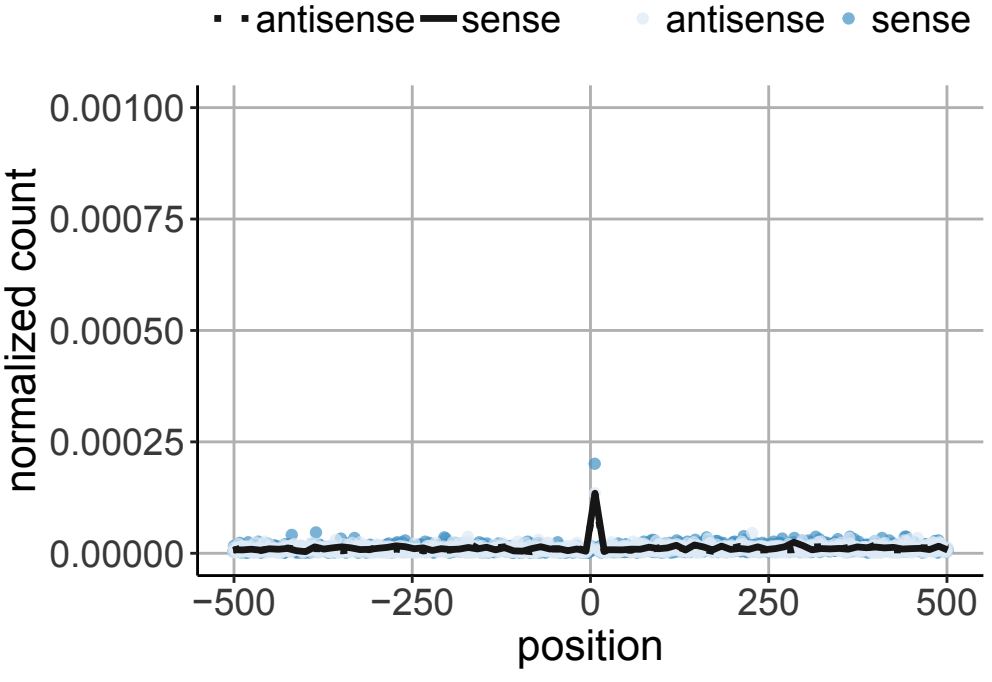

PABPC5−NUAKAAAUUACUACAN



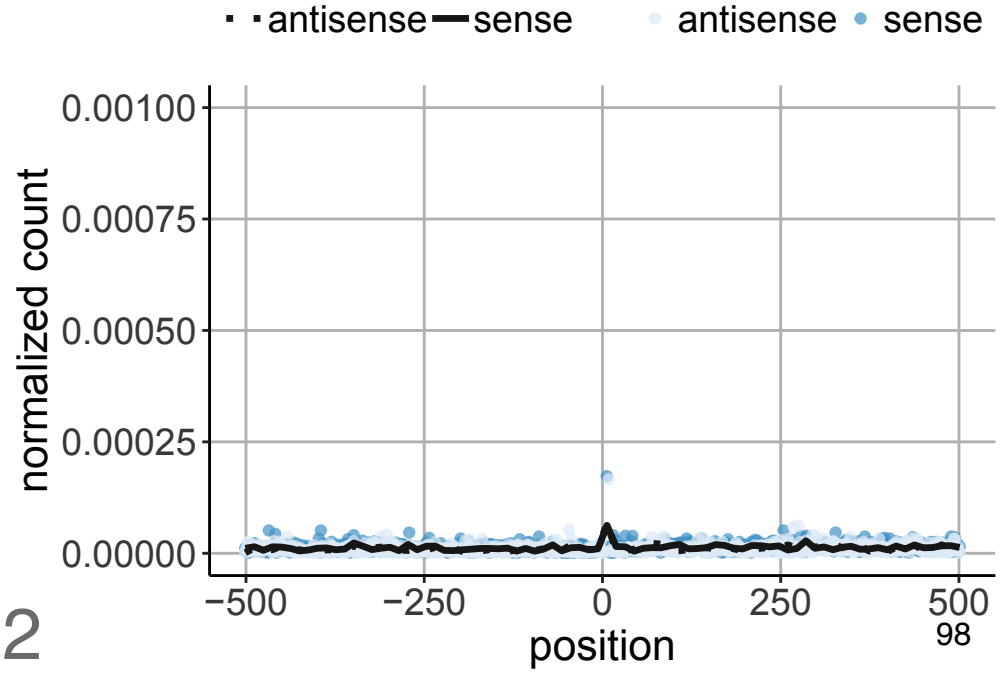

LARP7_4−GRUCGUGAUGN




ZCRB1−GUAUUAAGGG

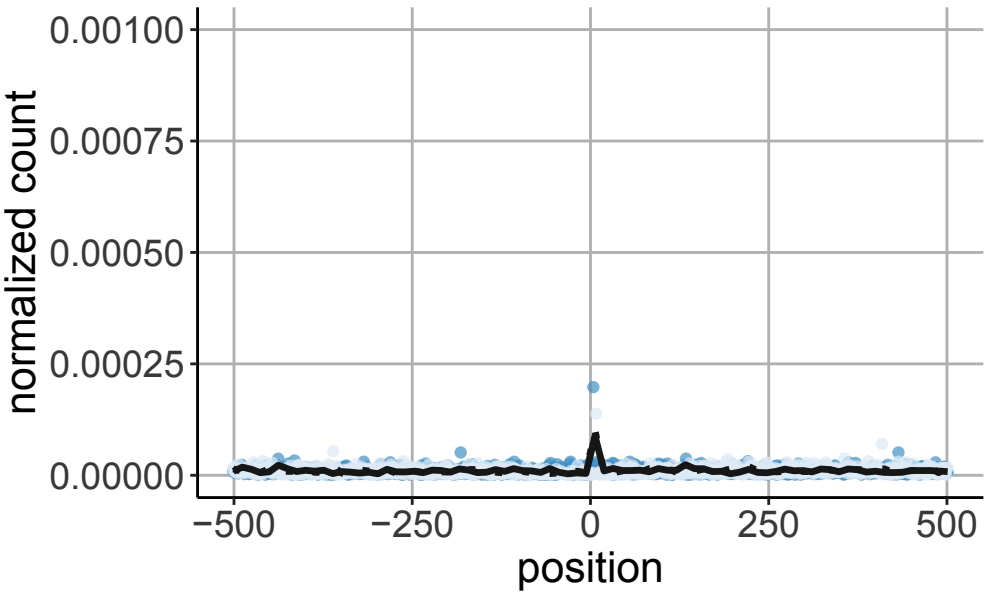



ZCRB1−GUGGACUUAANNN

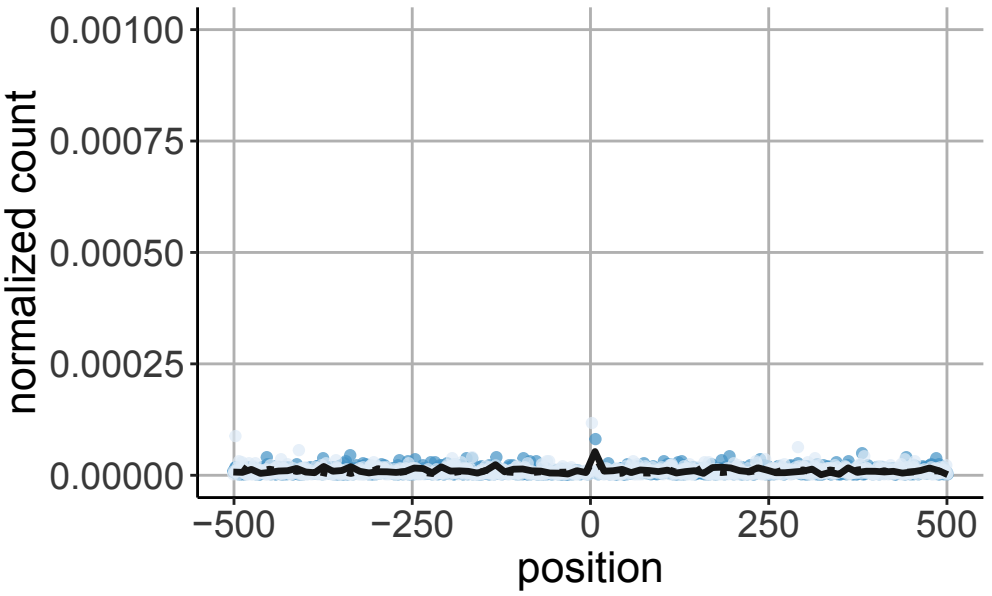


stop codon

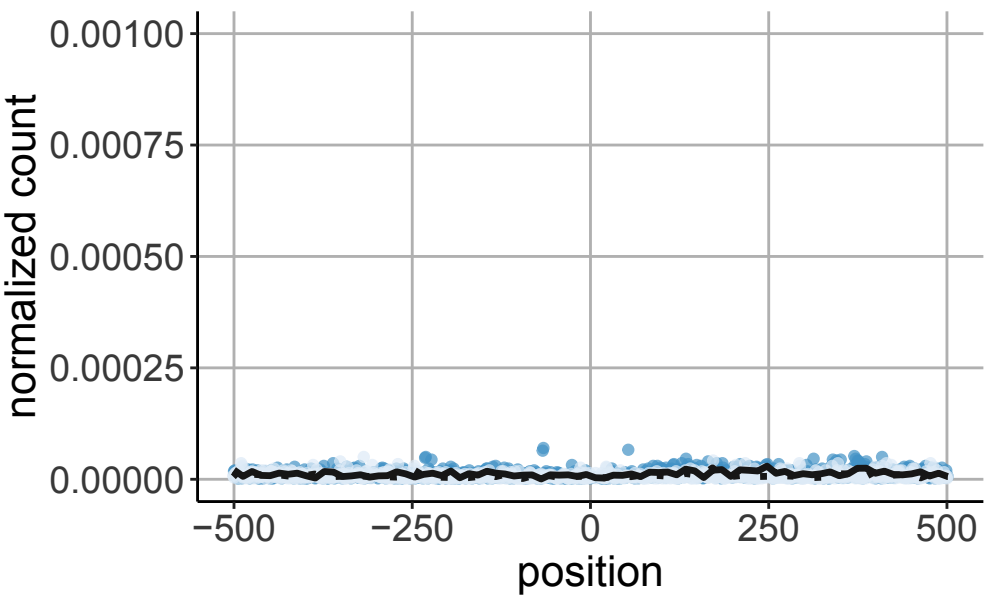
RBM42−NGGAACUAAN



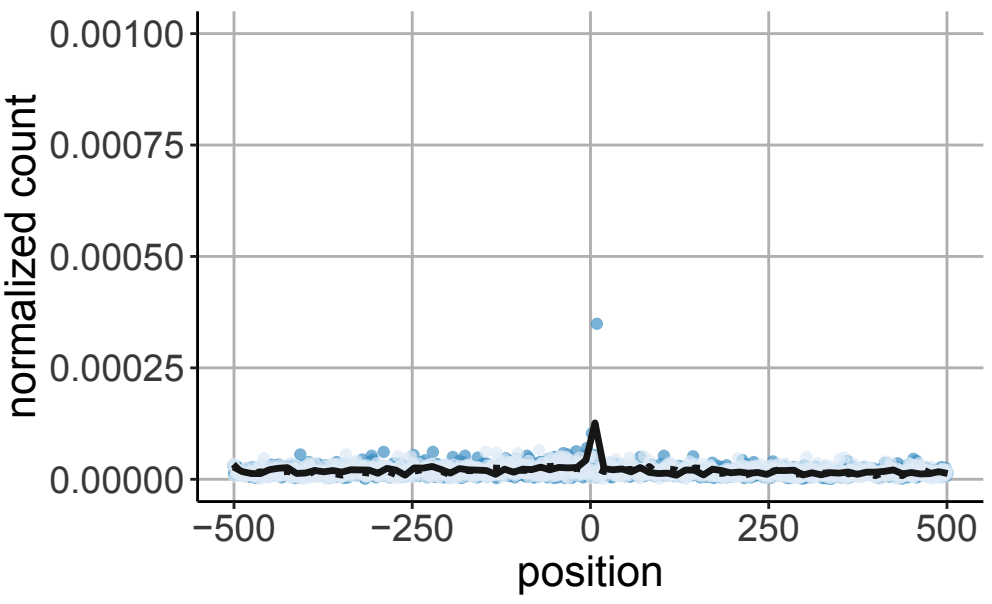

KHDRBS1−UAAUAGN



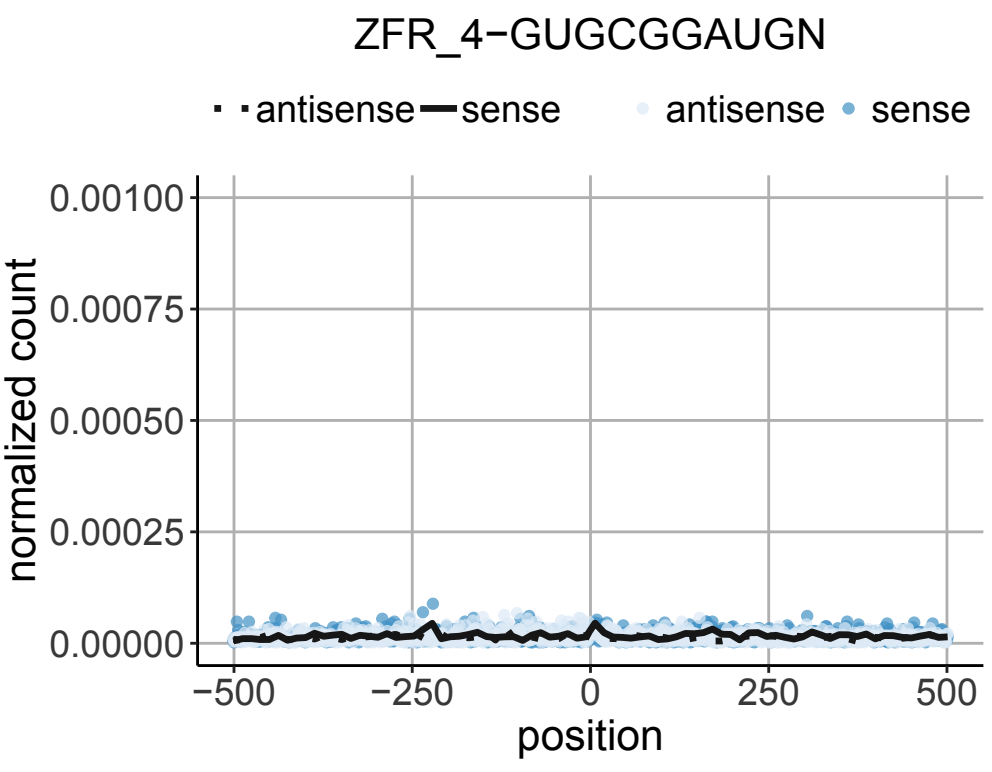

HNRNPCL1−GUUUUUUGGG



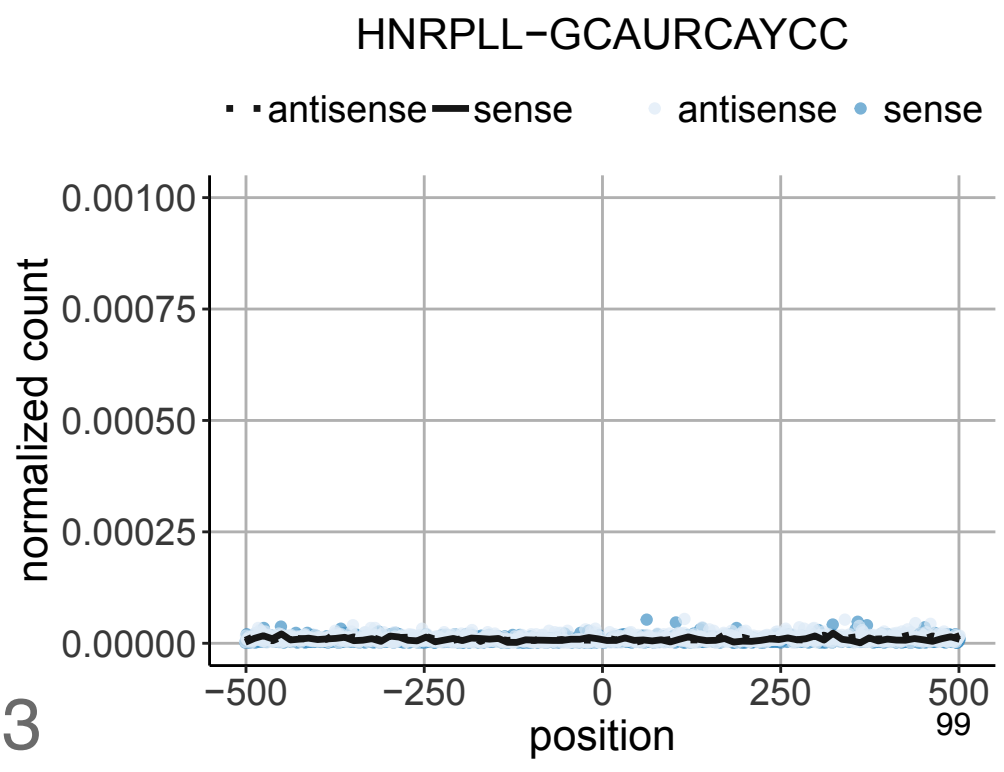

ZFR_4−GUGACGGAUG




ZFR_4−GUGCGGAUGN

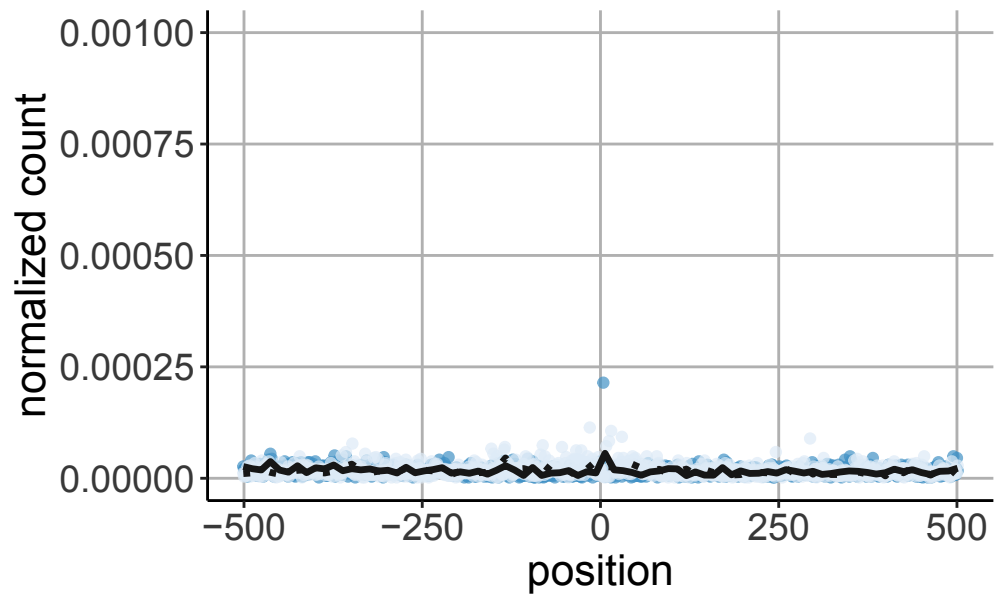



HNRPLL−GCAURCAYCC

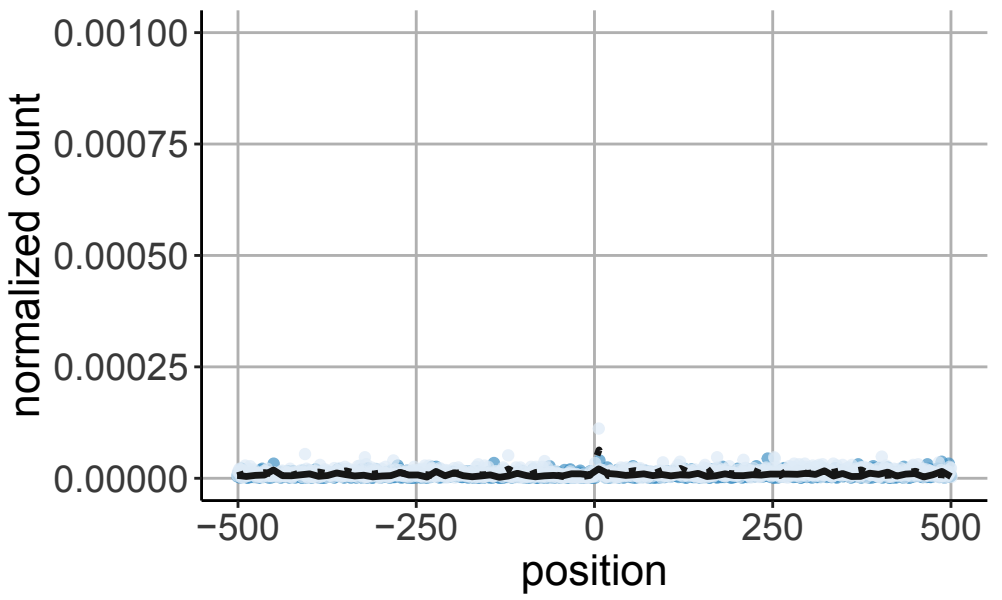


stop codon

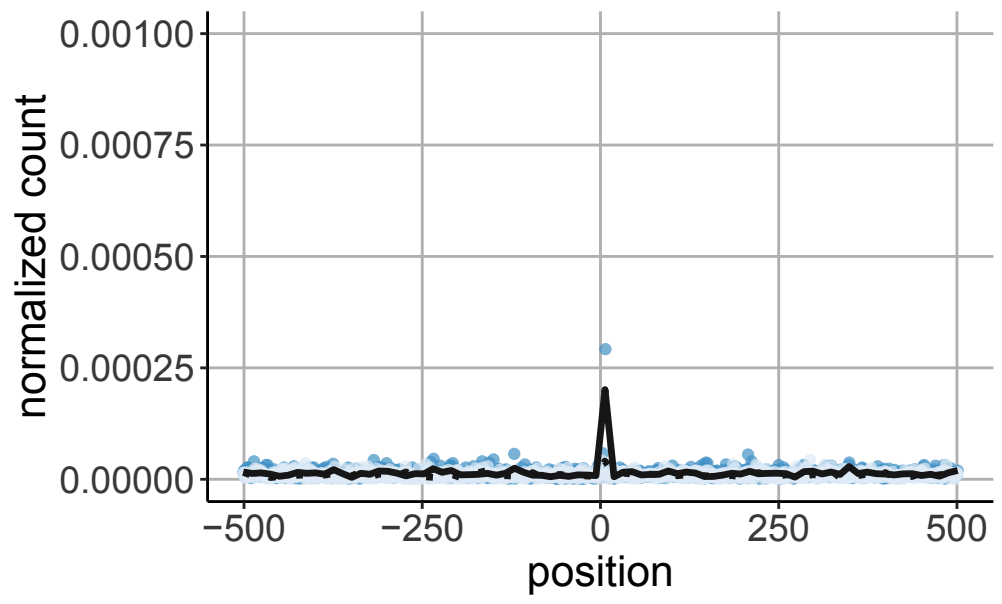
ZC3H12C−NUGCGNCAGUCGGUAGC



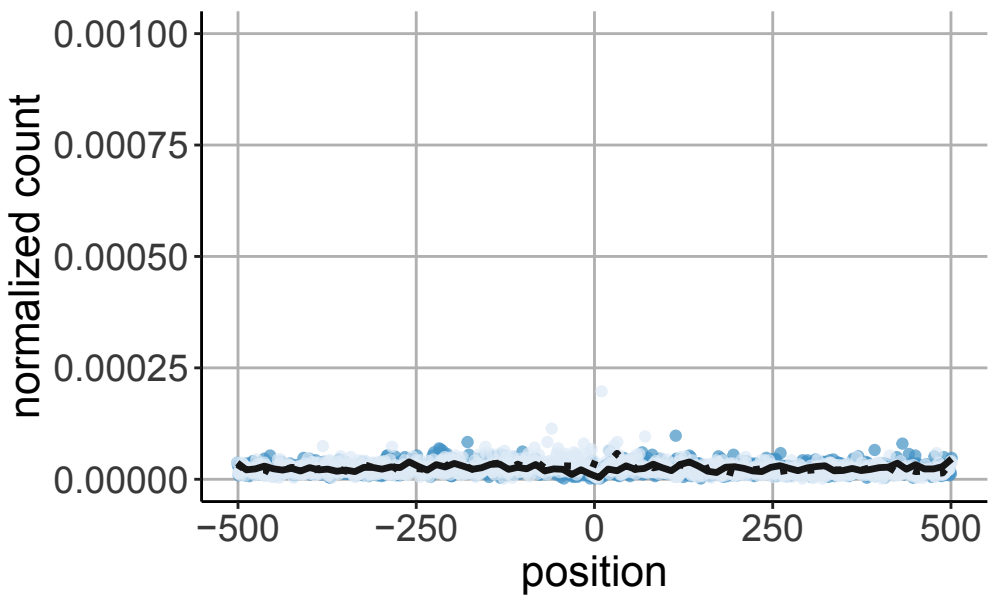

HNRNPL_2−ACAUWWCAUW



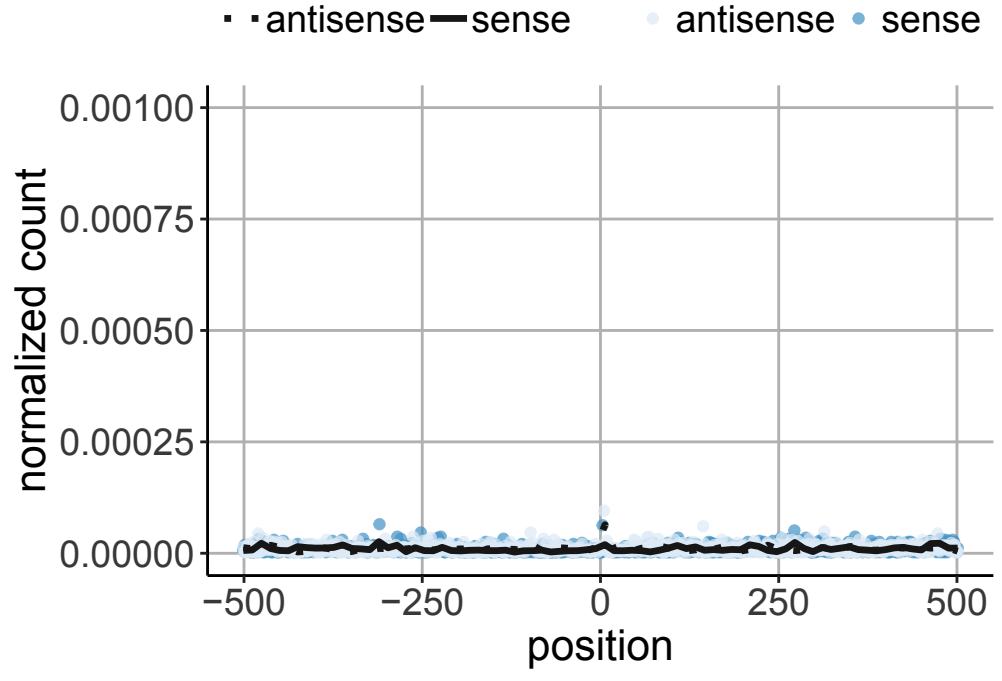

RBMS2−CAGUGAUUGG



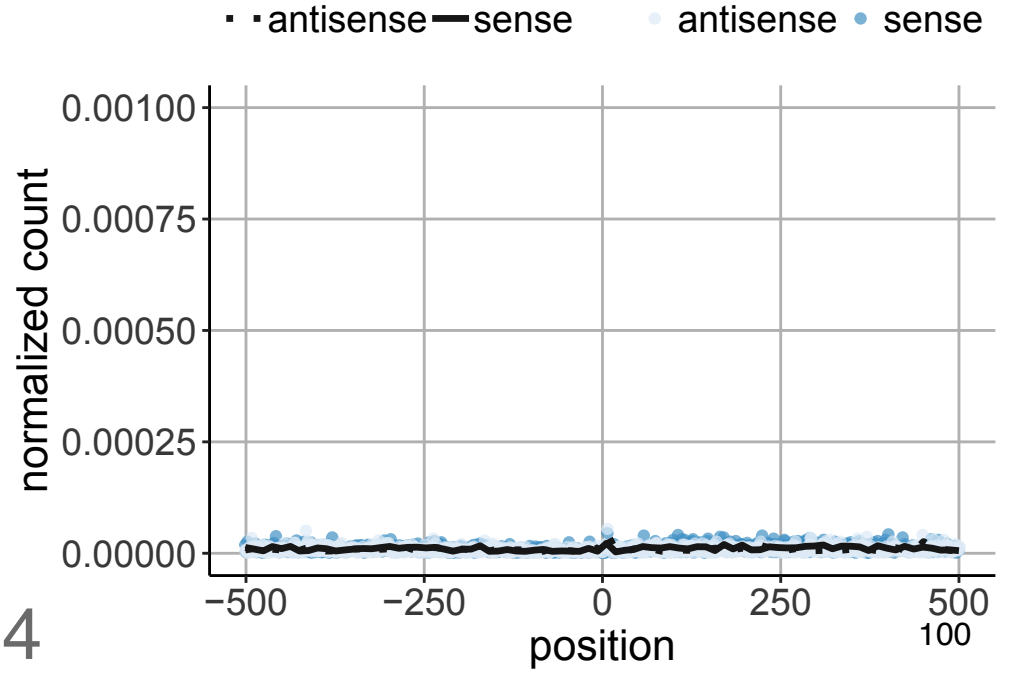

RBM14−GGKUGCGUCG



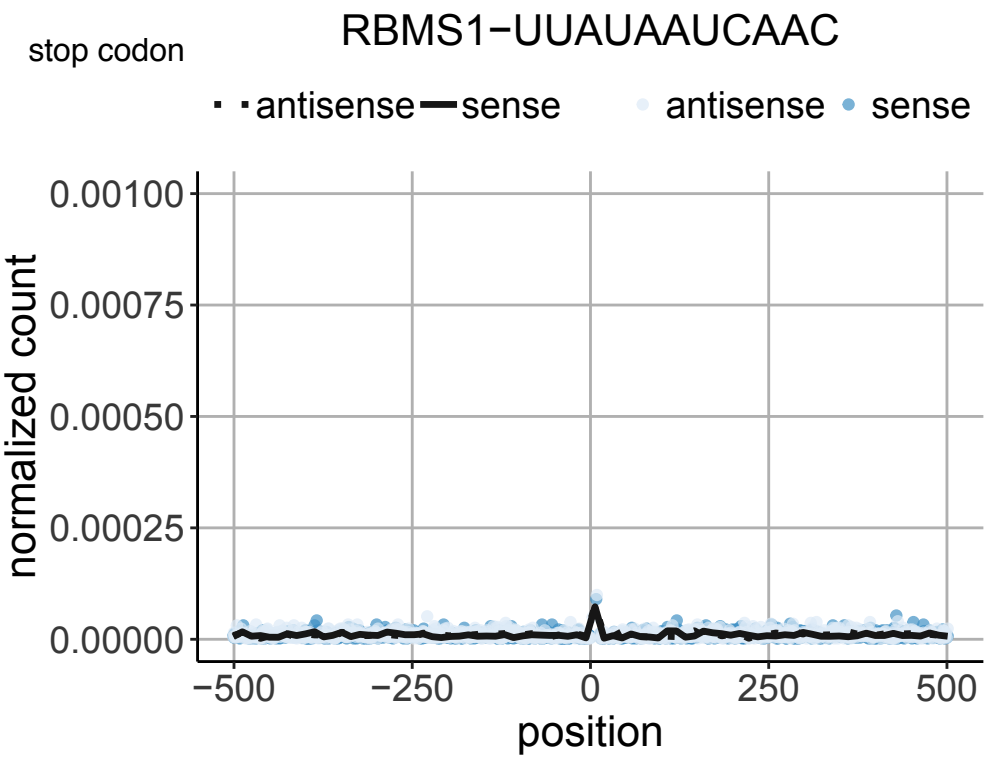

RBMS2−CGNUAUAUAG

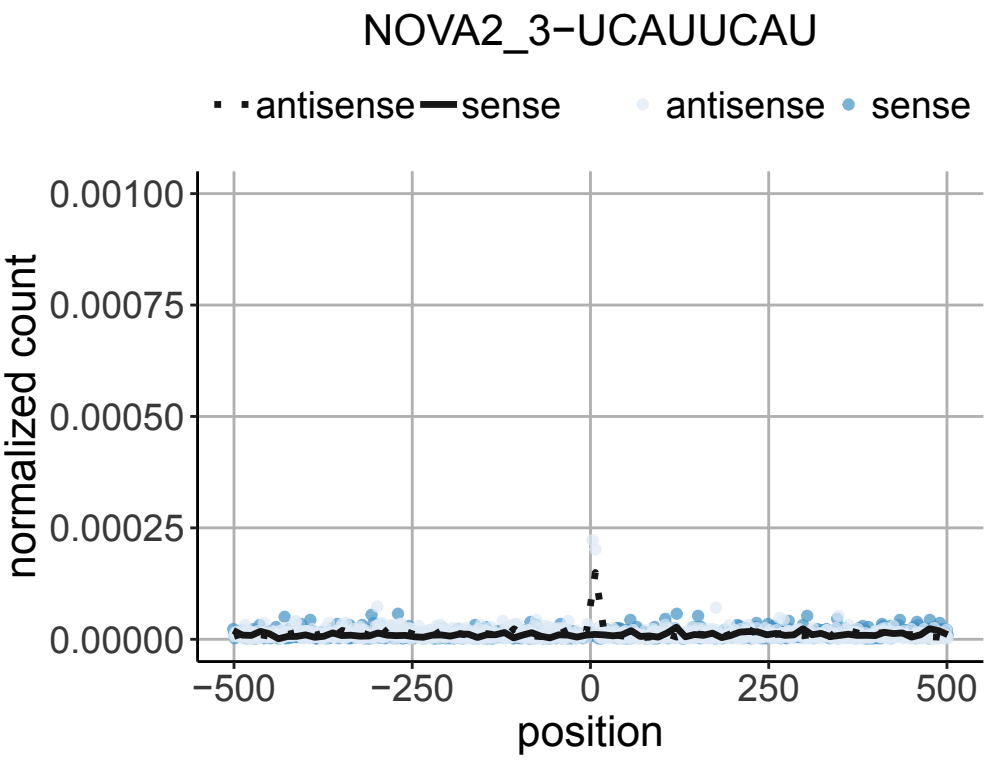


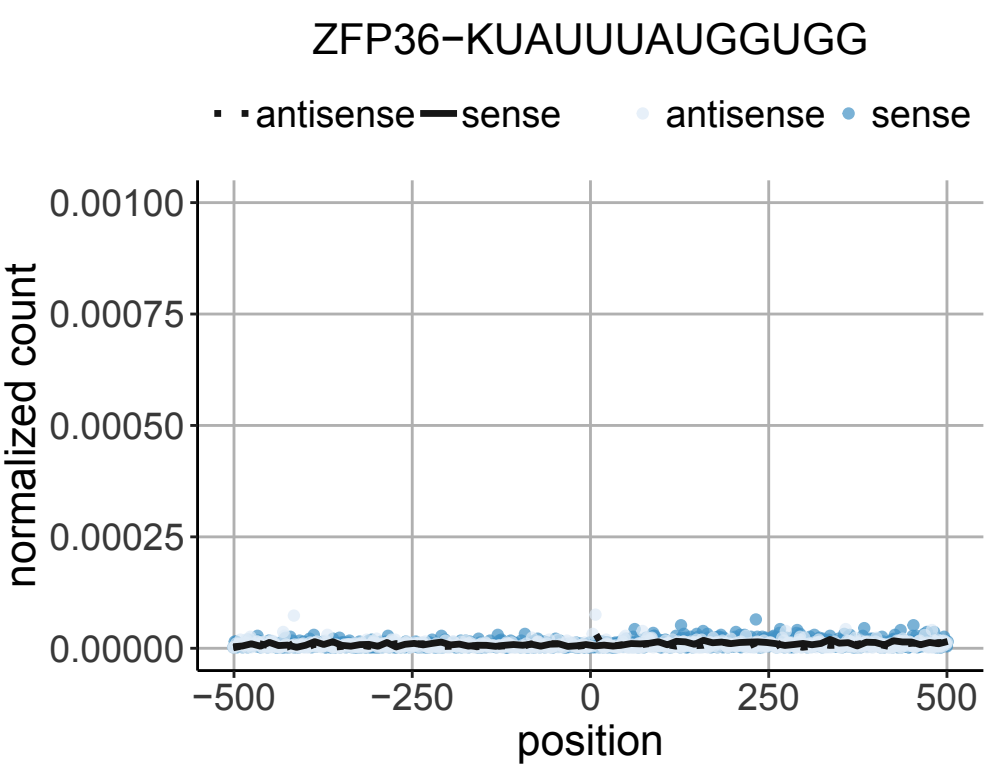

RBMS1−GUAUUUAKNGGG

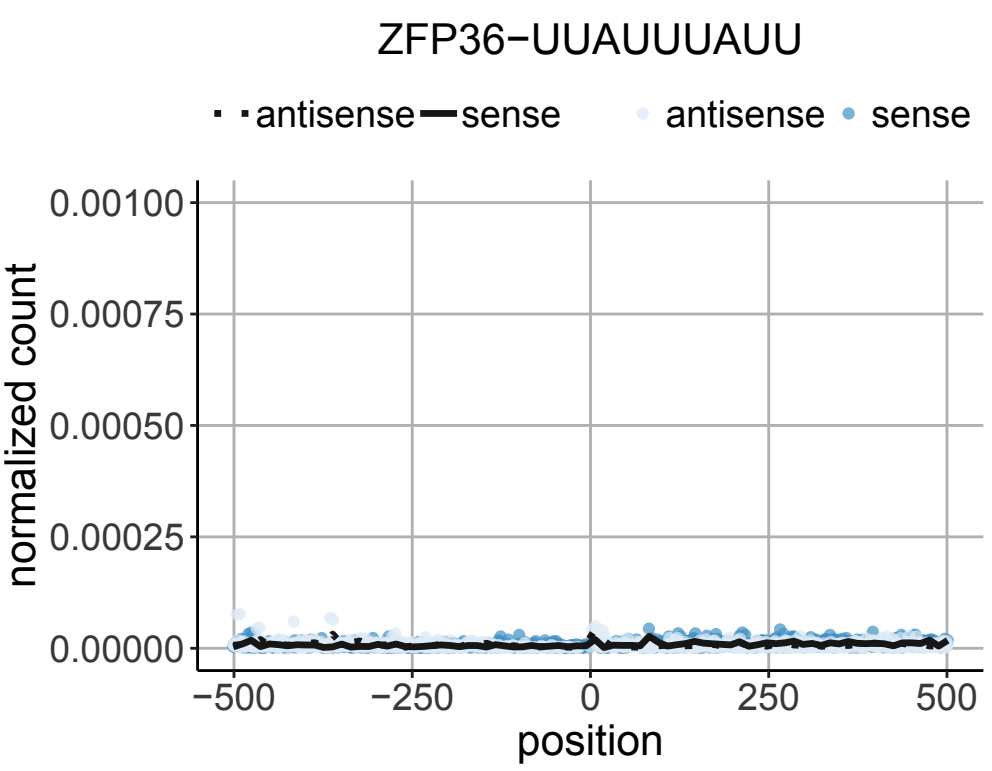


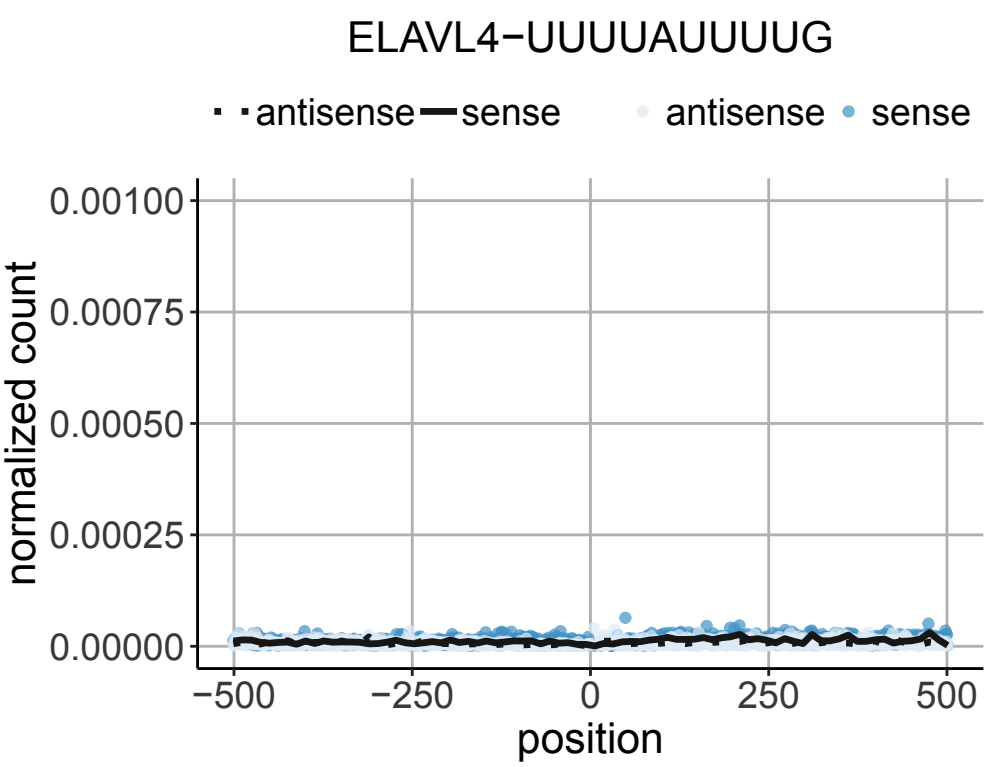
stop codon

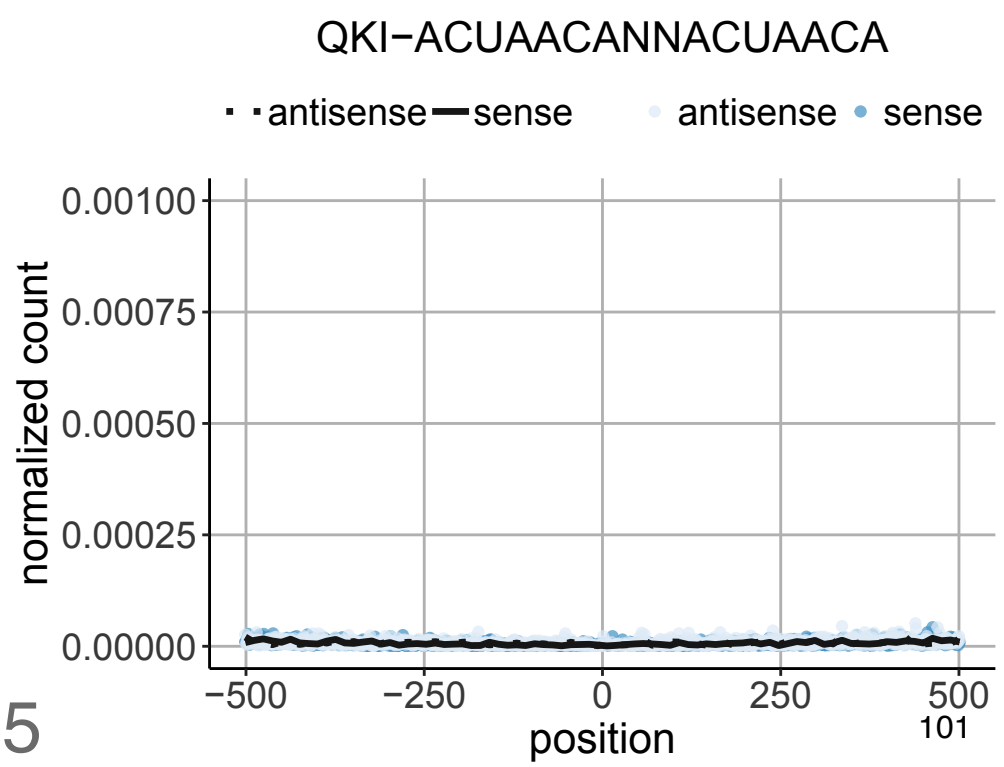

RBMS1−UUAUAAUCAAC
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position


NOVA2_3−UCAUUCAU
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position


ZFP36−KUAUUUAUGGUGG
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

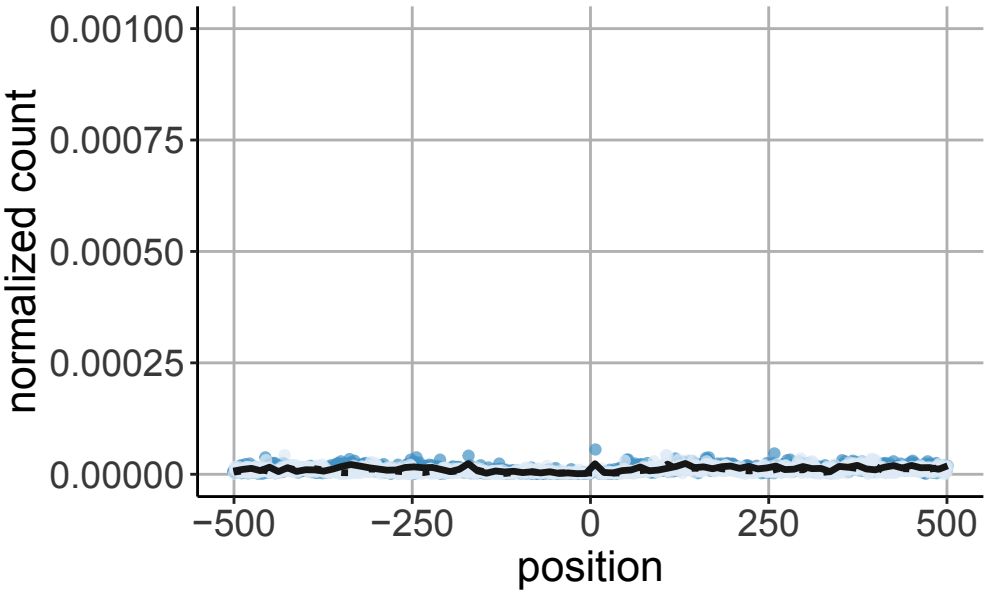

ZFP36−UUAUUUAUU
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position


ELAVL4−UUUUAUUUUG
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

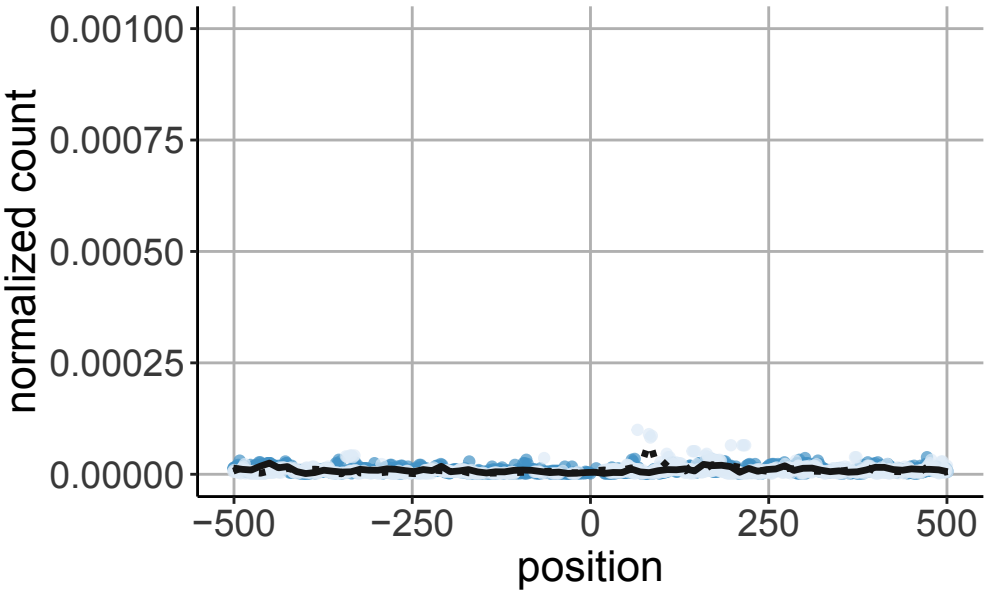

QKI−ACUAACANNACUAACA
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

stop codon

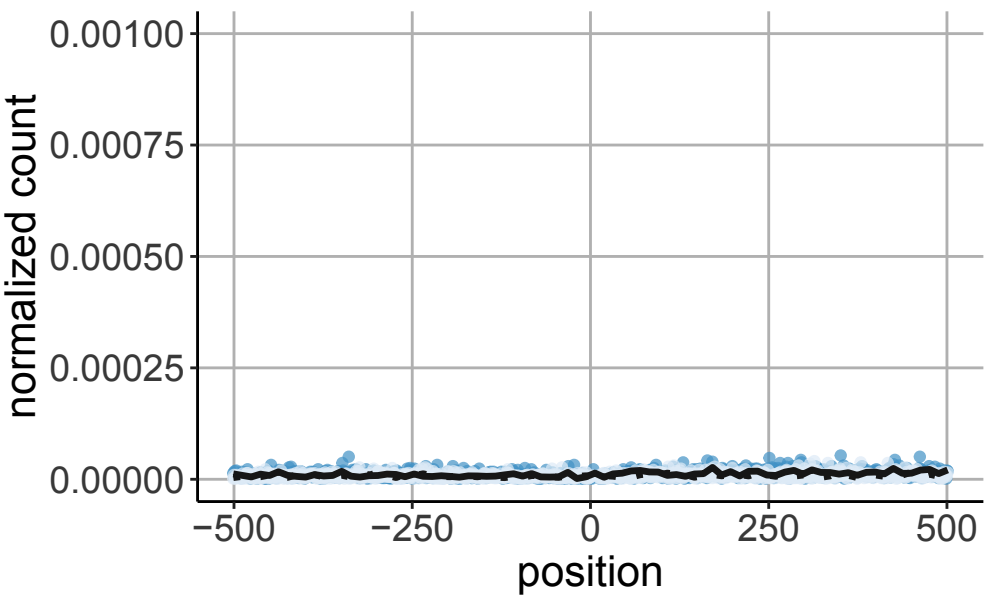
TARDBP−GUGUGAAUGG



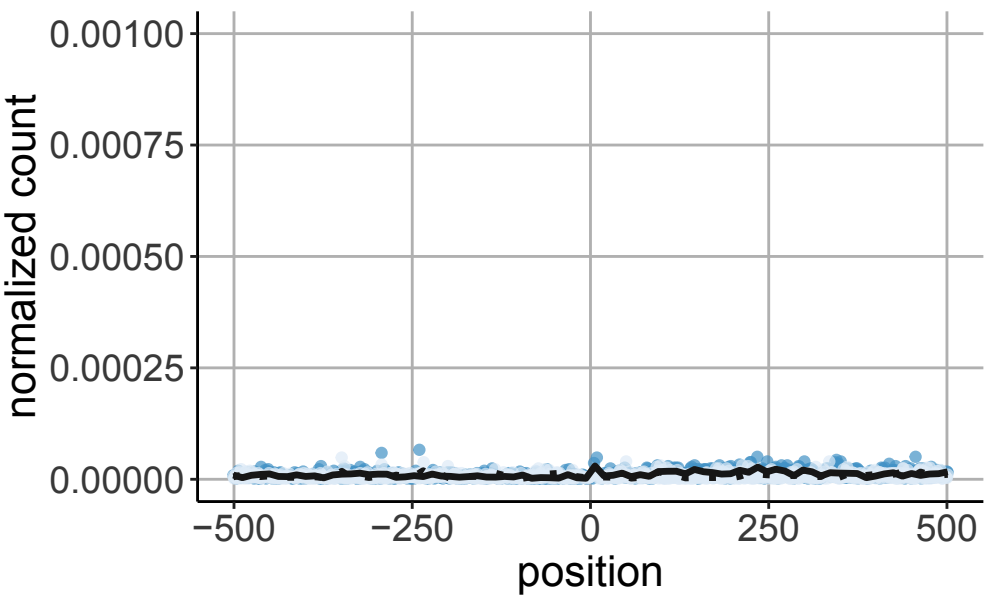

TARDBP−GUGUGNGUGUG



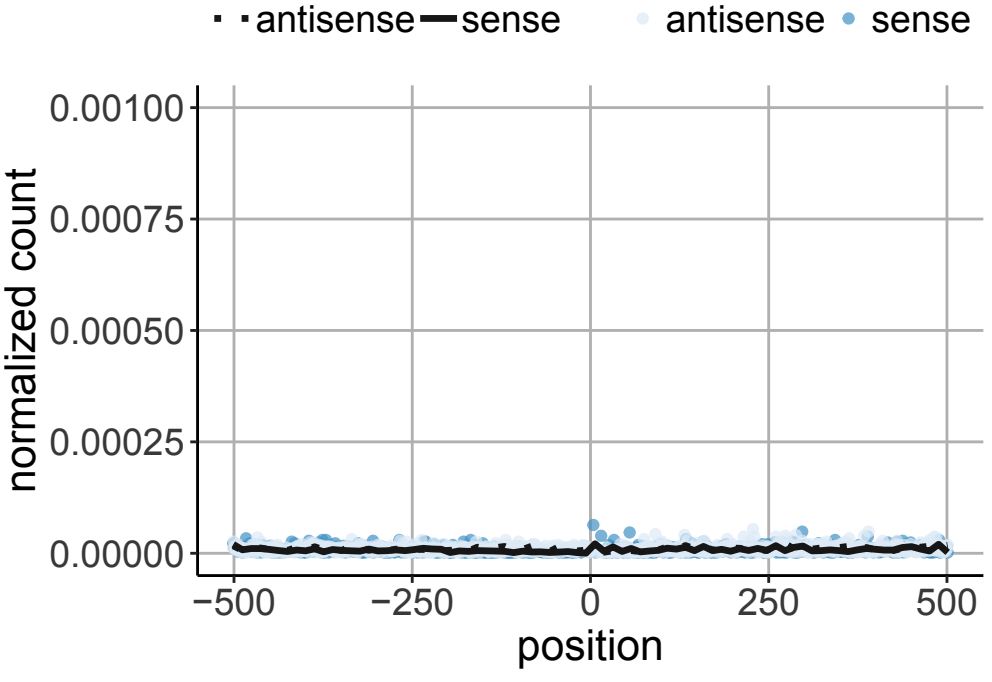

PUM2−NNUGUAYAGK



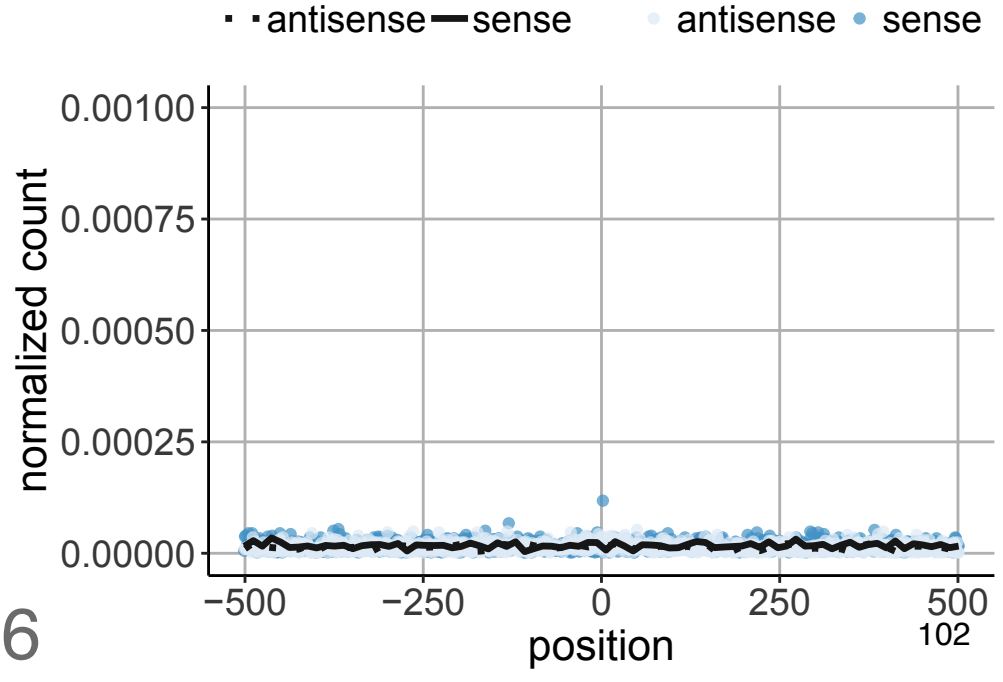

PUM2−NUGUAAAUAGKN



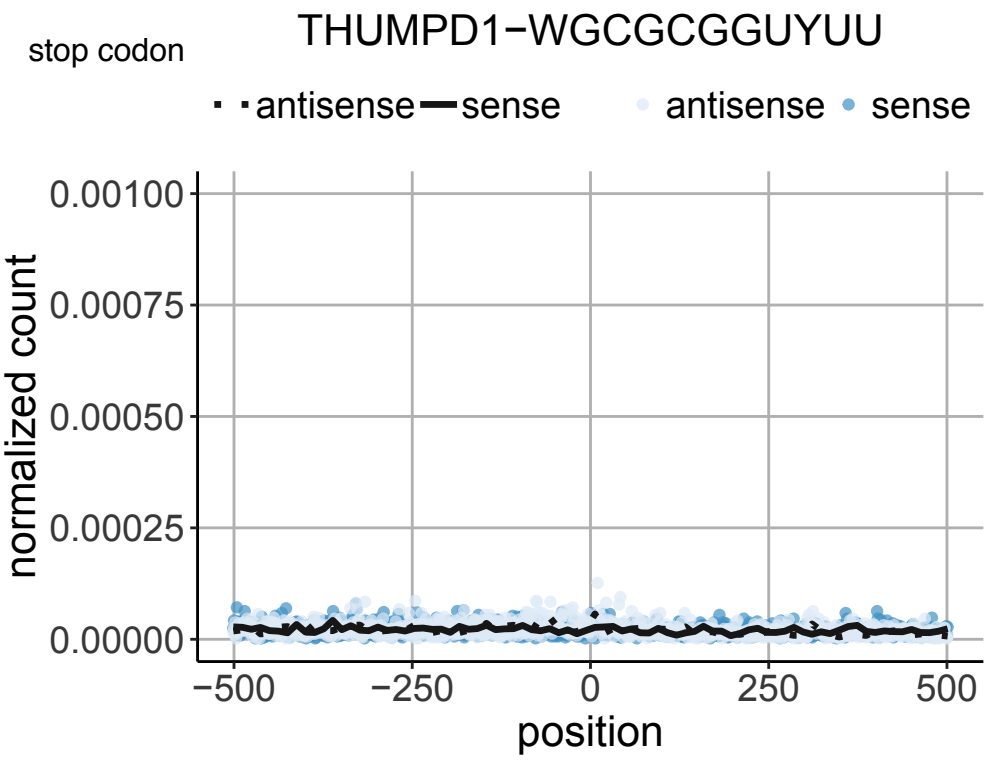

KHDRBS3−UAAANNNNNNNUAAA

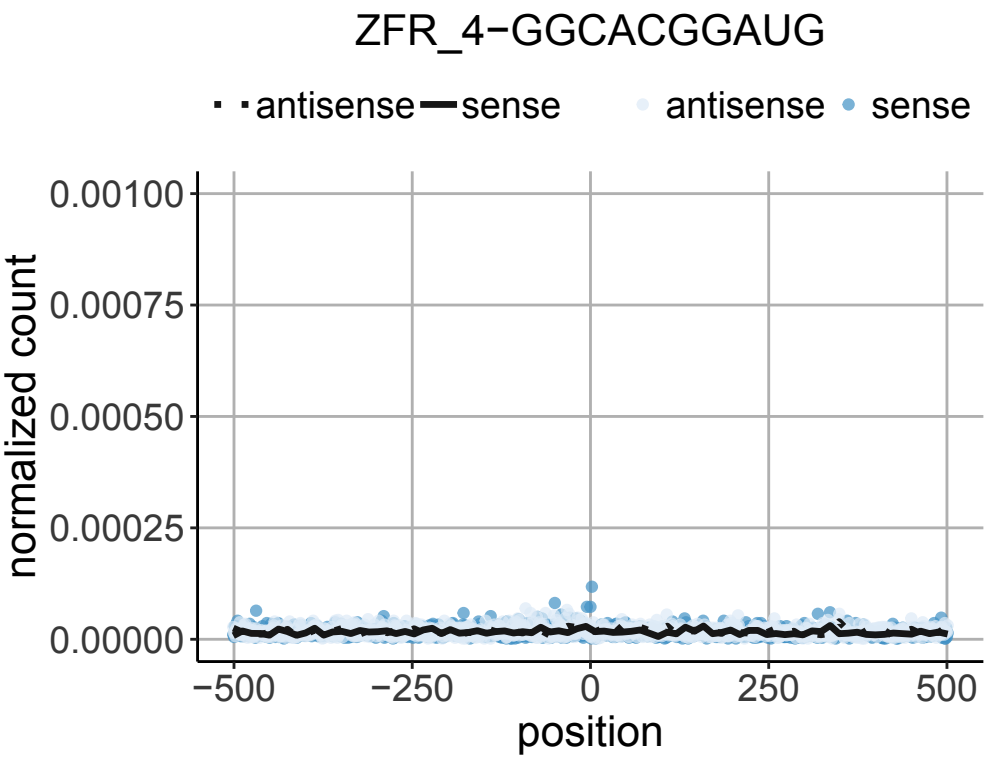


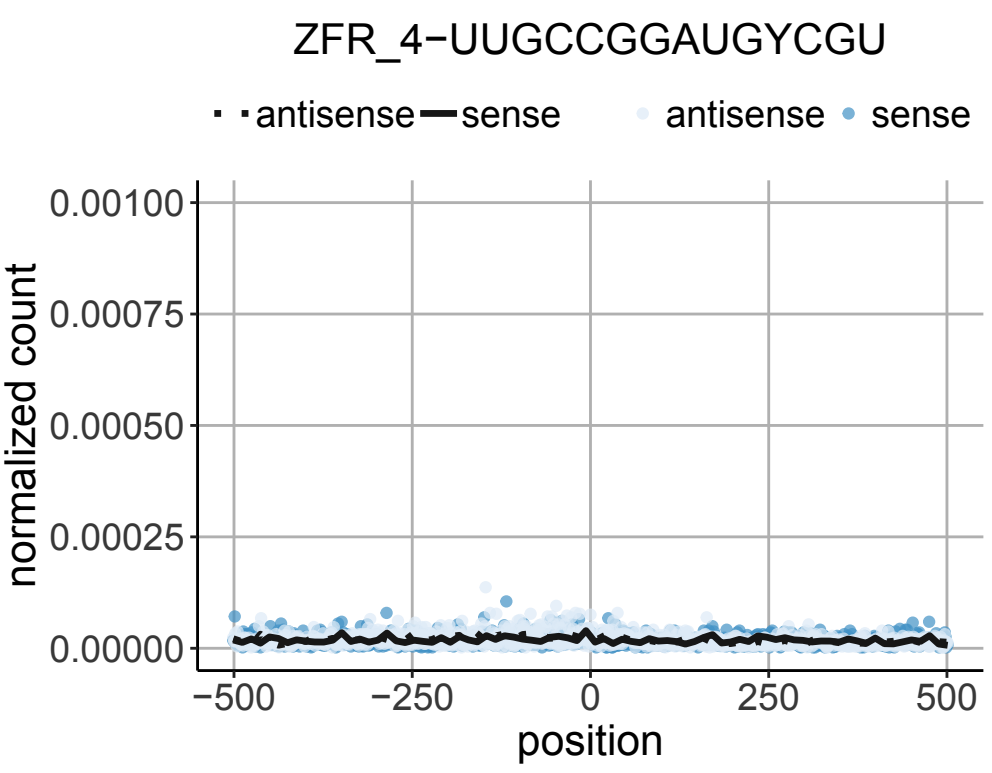

THUMPD1−UUCGUGGCUUG

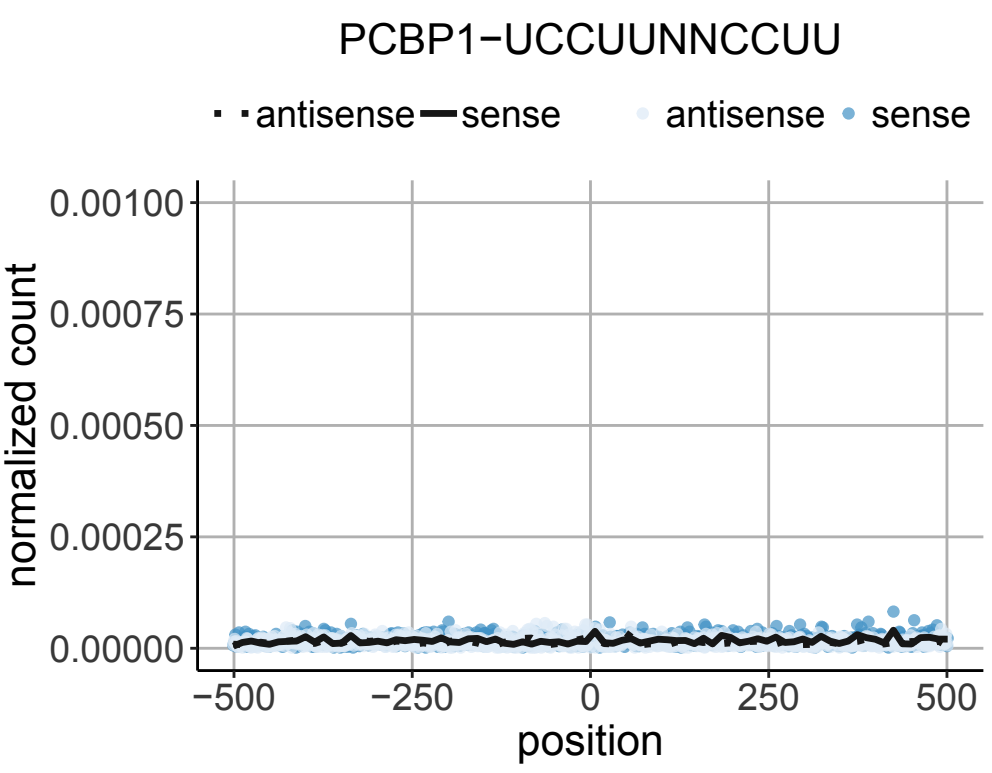


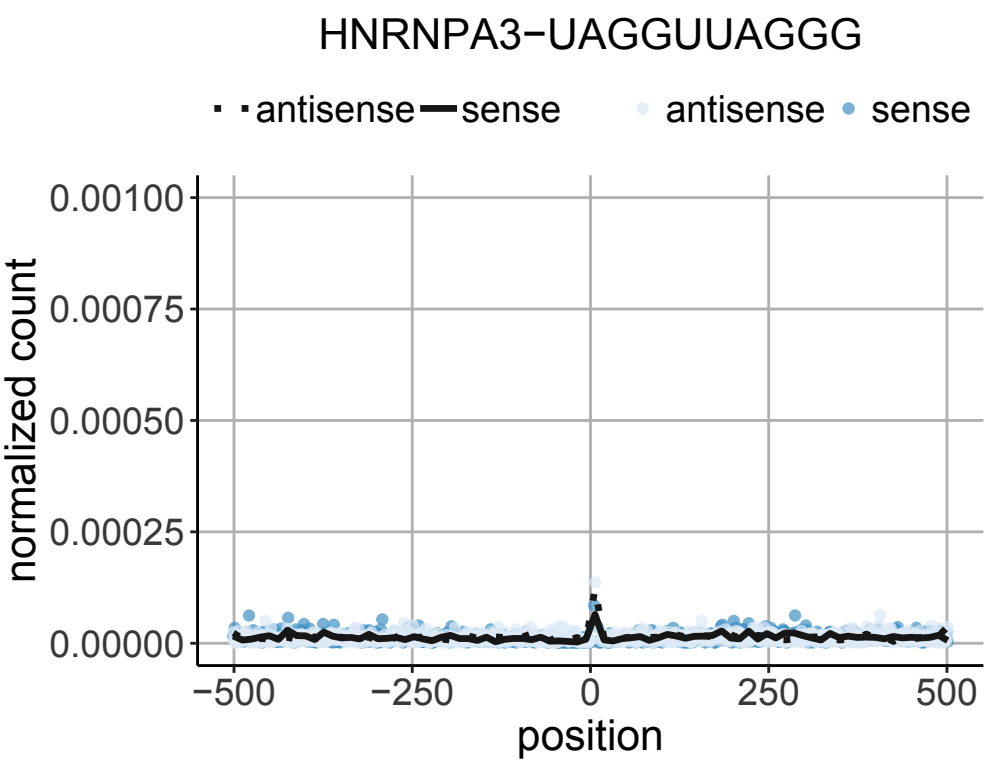
stop codon

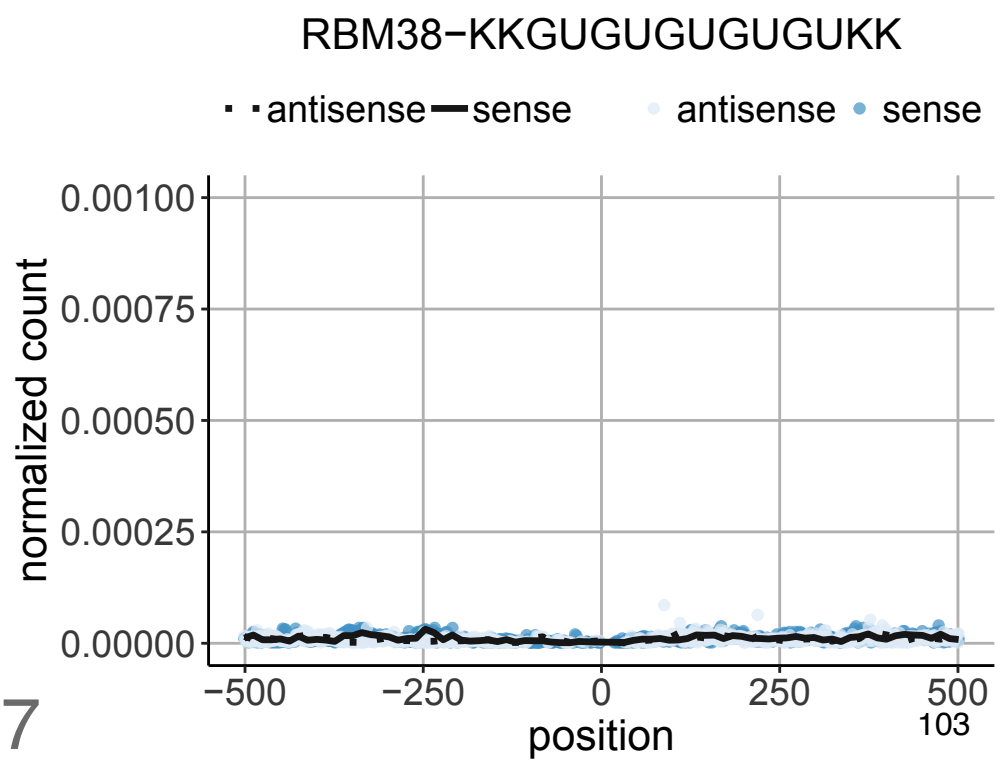

THUMPD1−WGCGCGGUYUU
antisense
sense
antisense
sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position


ZFR_4−GGCACGGAUG
antisense
sense
antisense
sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position


ZFR_4−UUGCCGGAUGYCGU
antisense
sense
antisense
sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

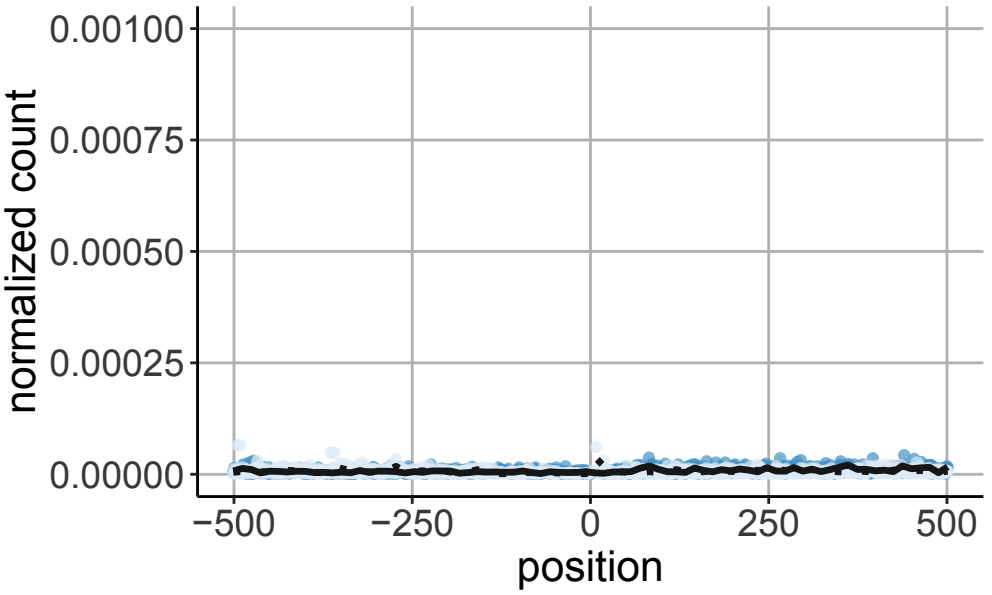

PCBP1−UCCUUNNCCUU
antisense
sense
antisense
sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position


HNRNPA3−UAGGUUAGGG
antisense
sense
antisense
sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

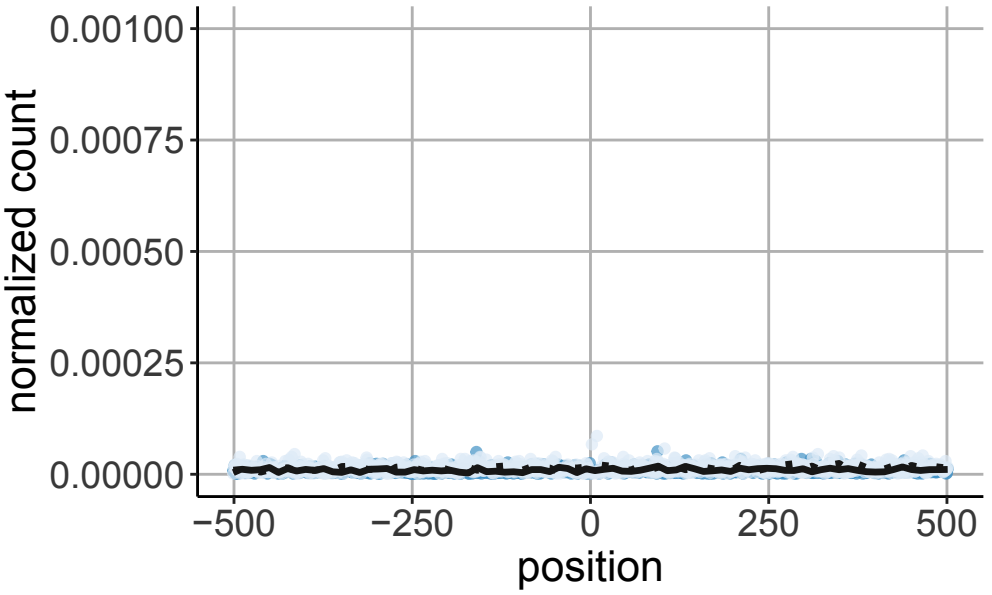

RBM38−KKGUGUGUGUGUKK
antisense
sense
antisense
sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

stop codon

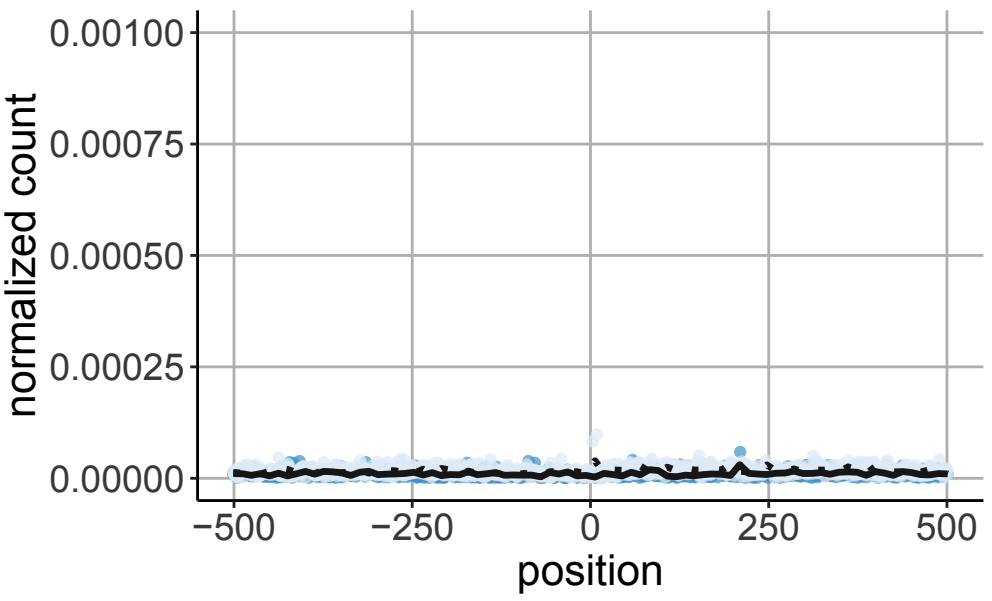
MEX3D−UNURUUUAUU



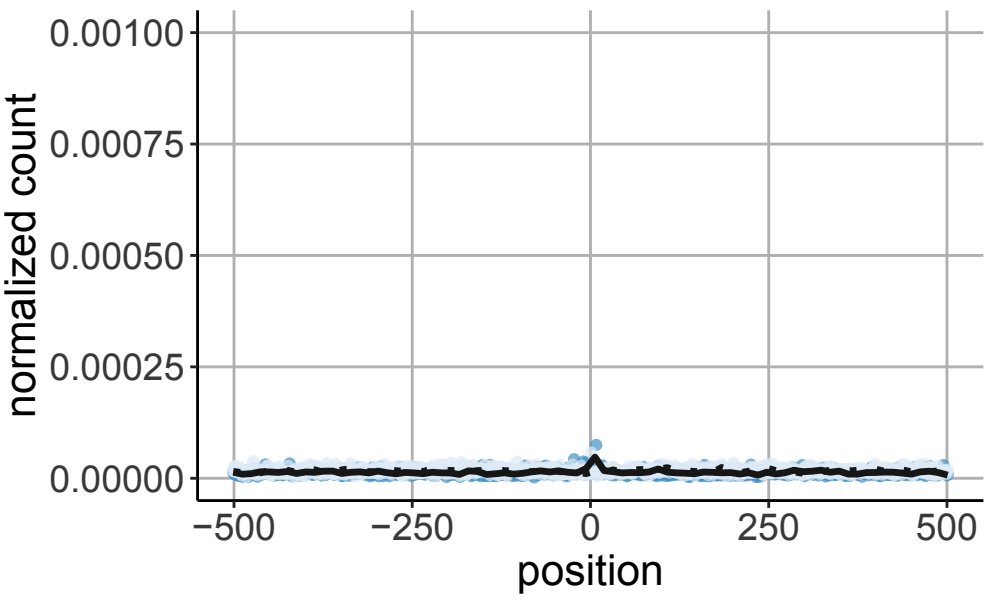

RBPMS2−CACAGNGCACA



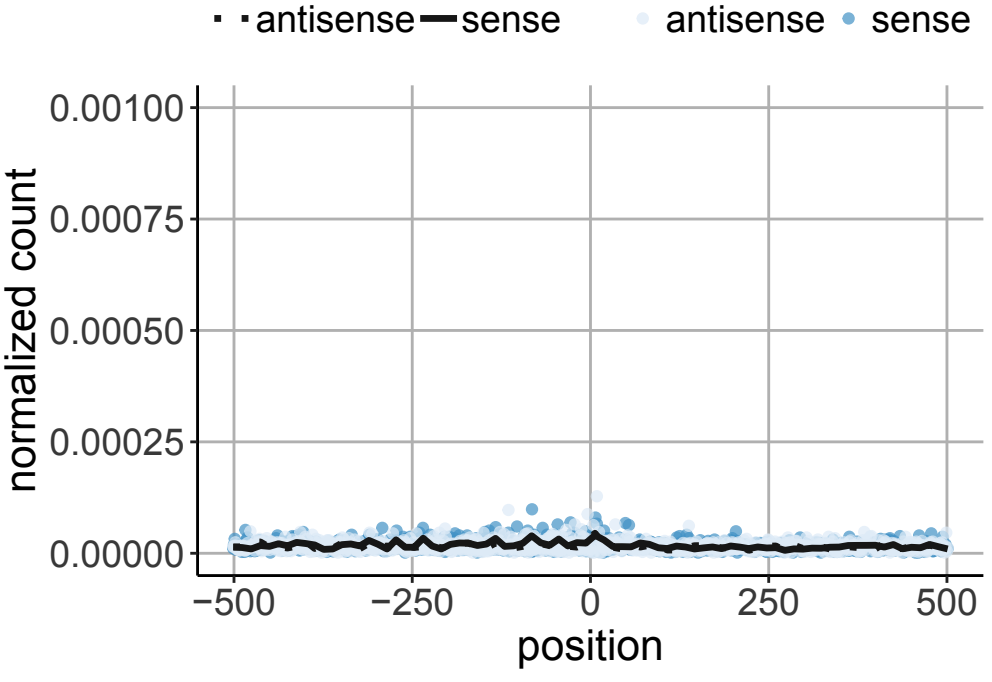

RBPMS2−UCACRUGCACA



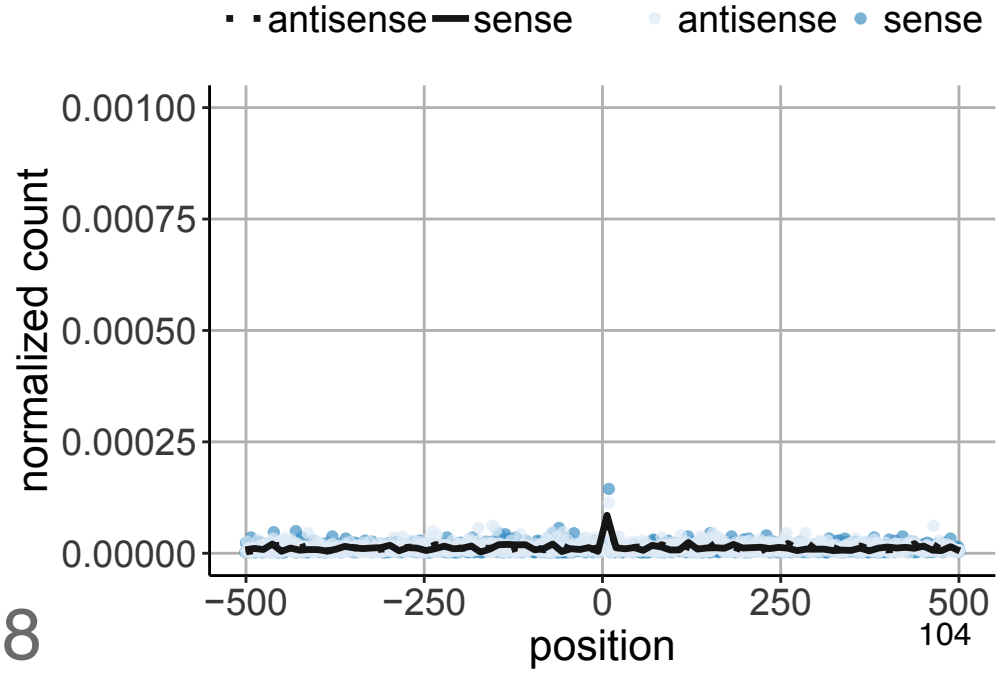

RBPMS2−UGCACA




YBX2−GCCAUNNNAUCGC

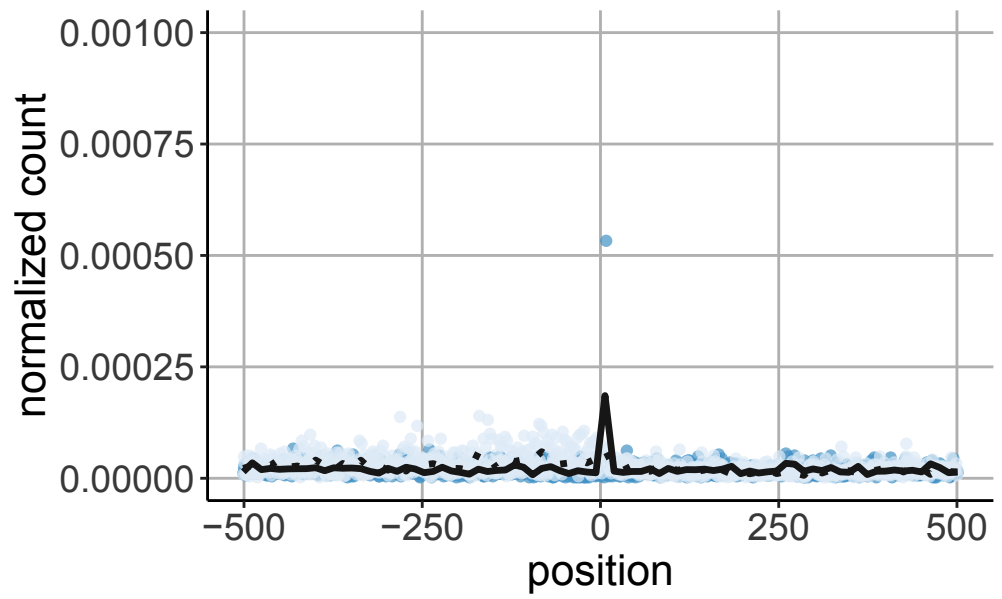



YBX2−NUAACAUCNN

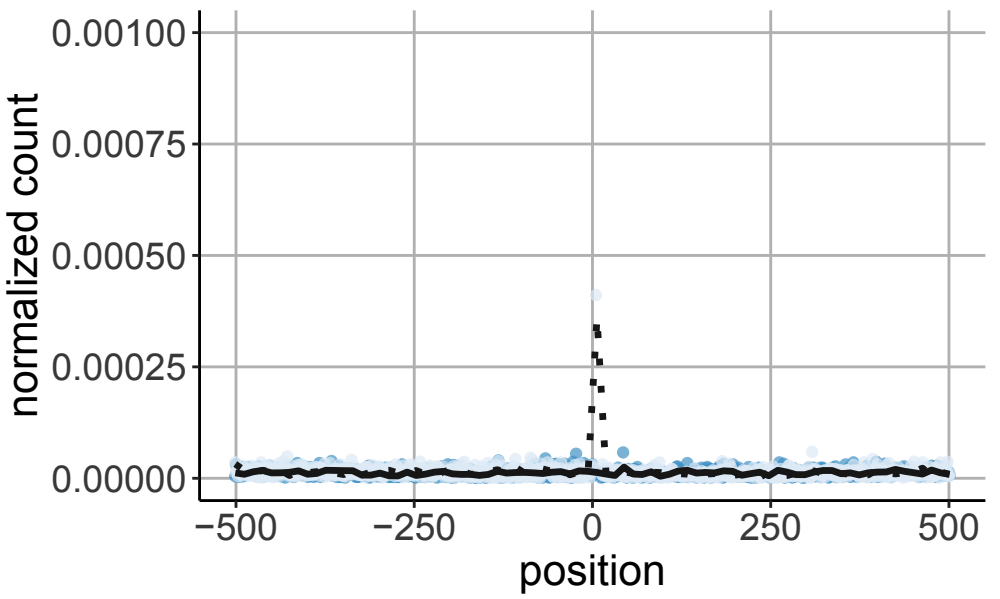


stop codon

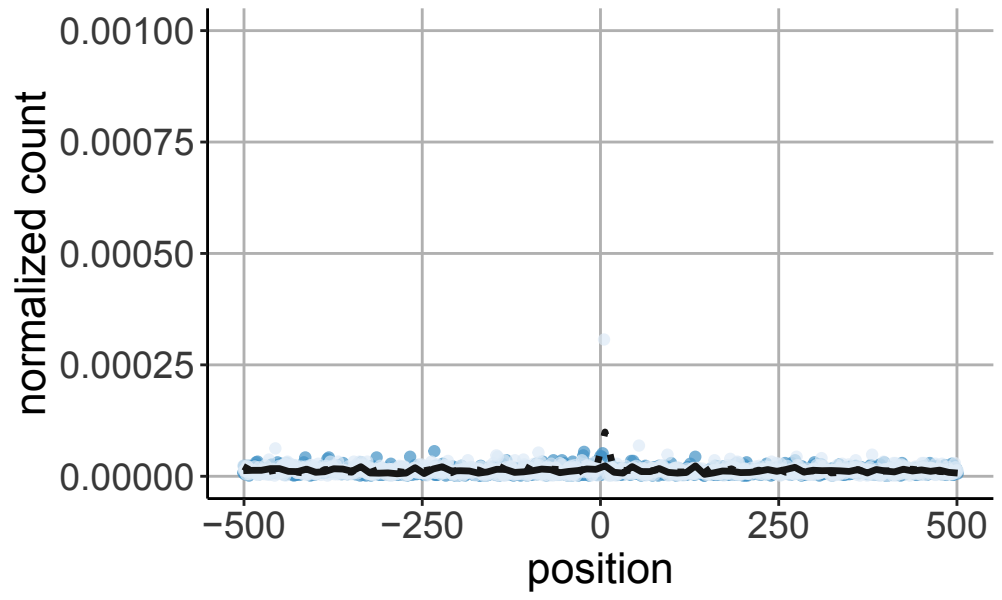
CSTF2T−CGUAGCGUCU



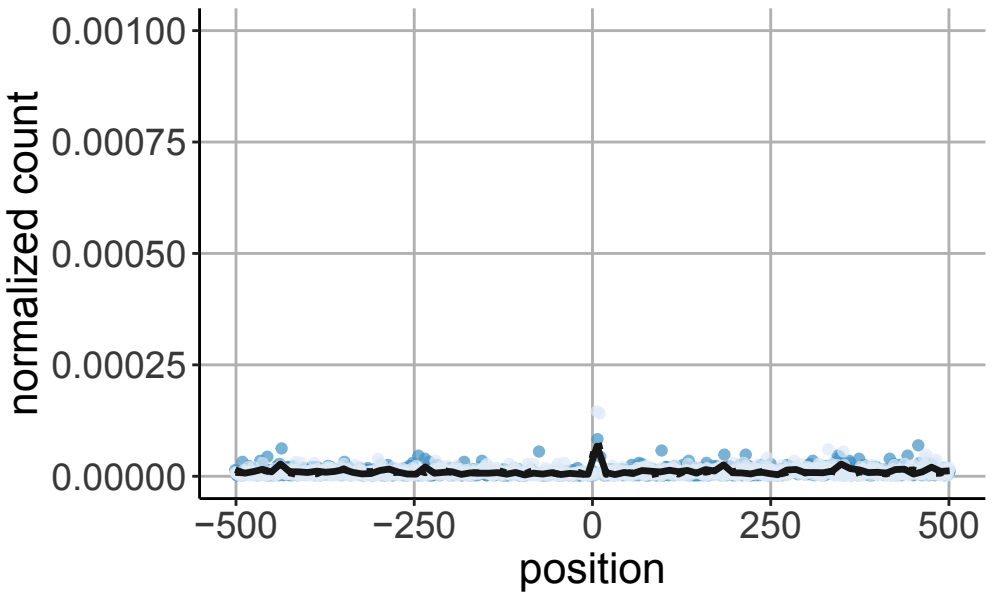

SNRNP70−GNUCANGNNG



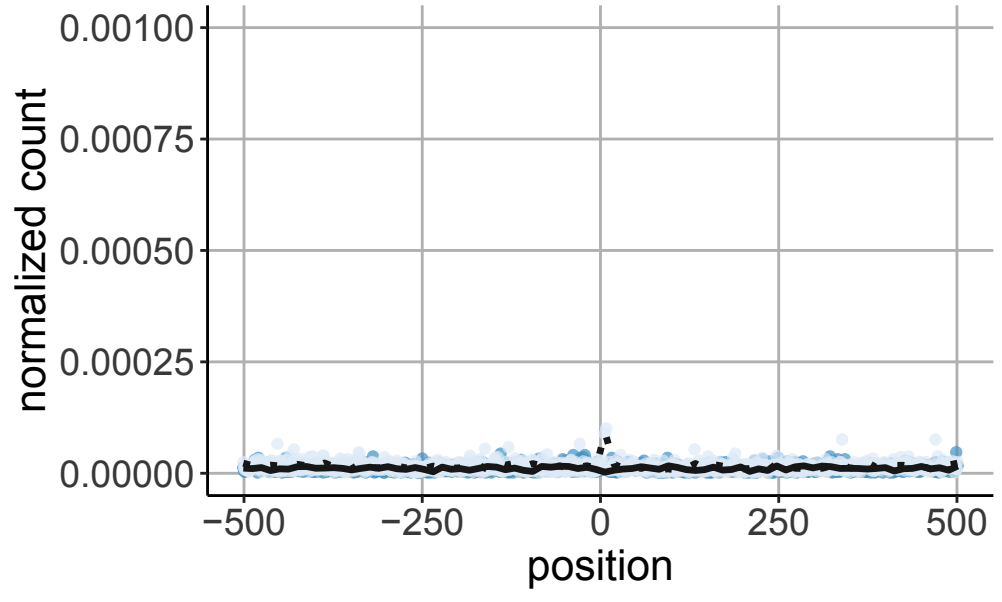

SNRNP70−GUUCAAGGUG



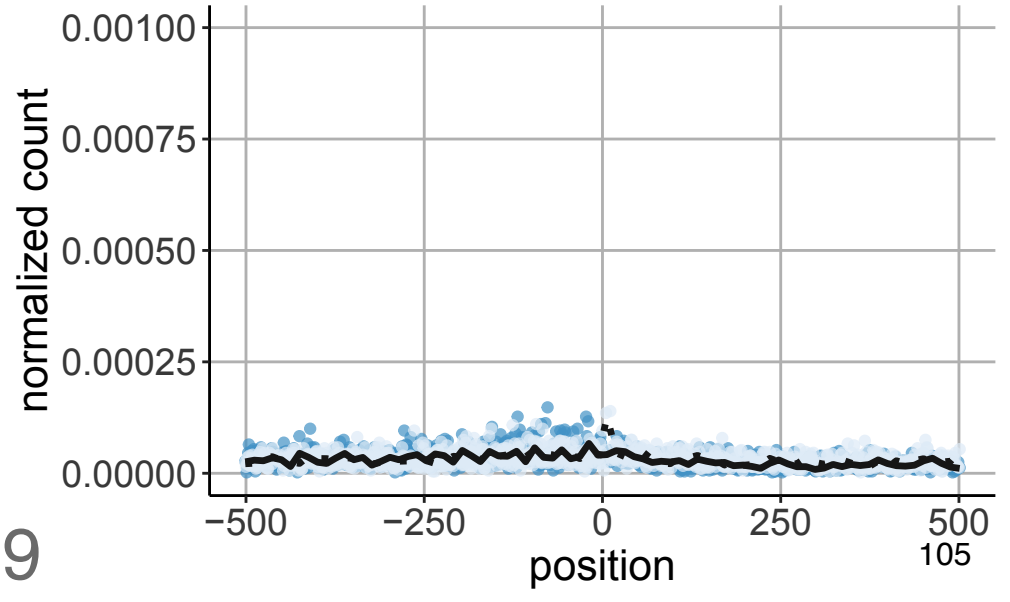

DAZ4−GYUCUAGUUAGYAUC



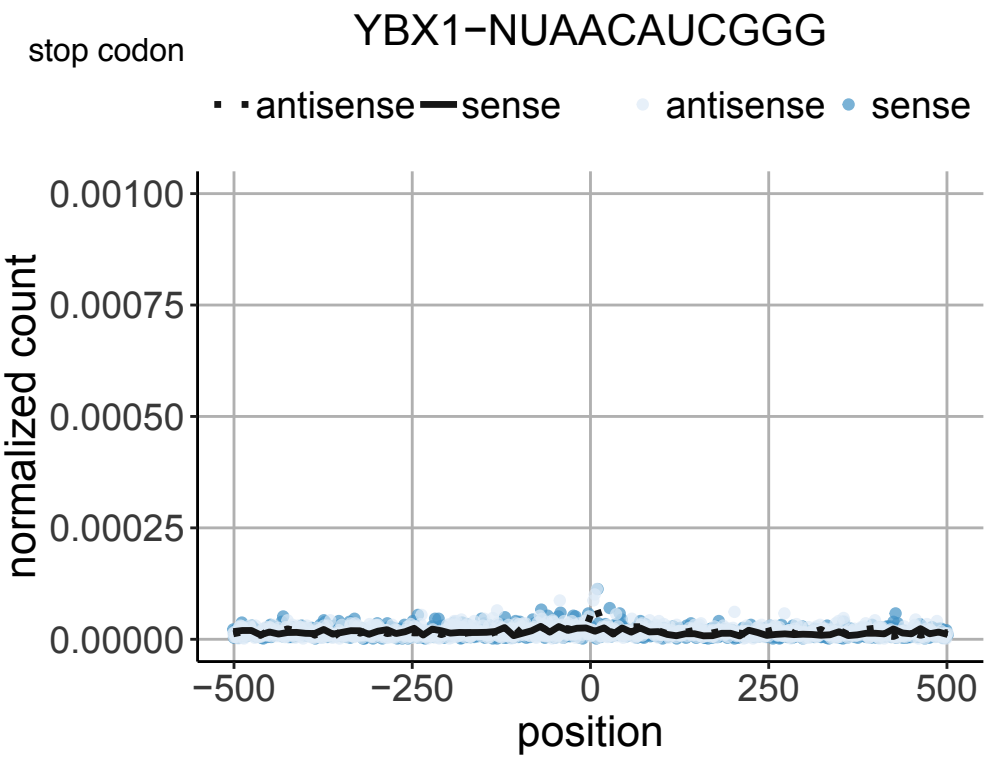

IGF2BP1−CAGNUWCA

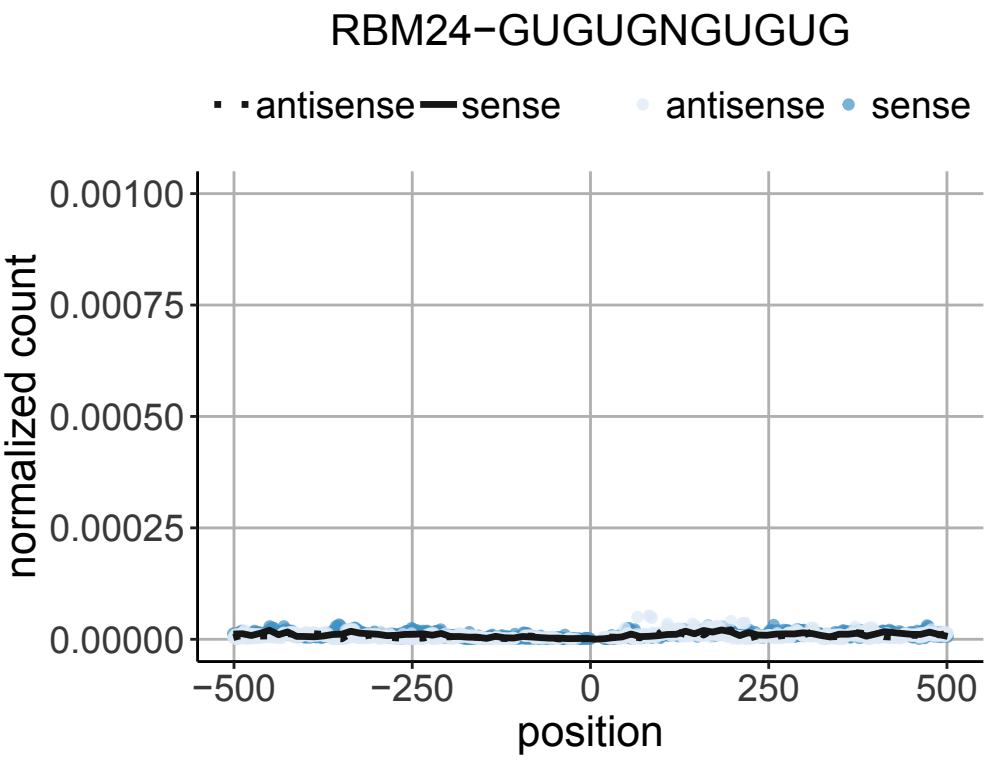


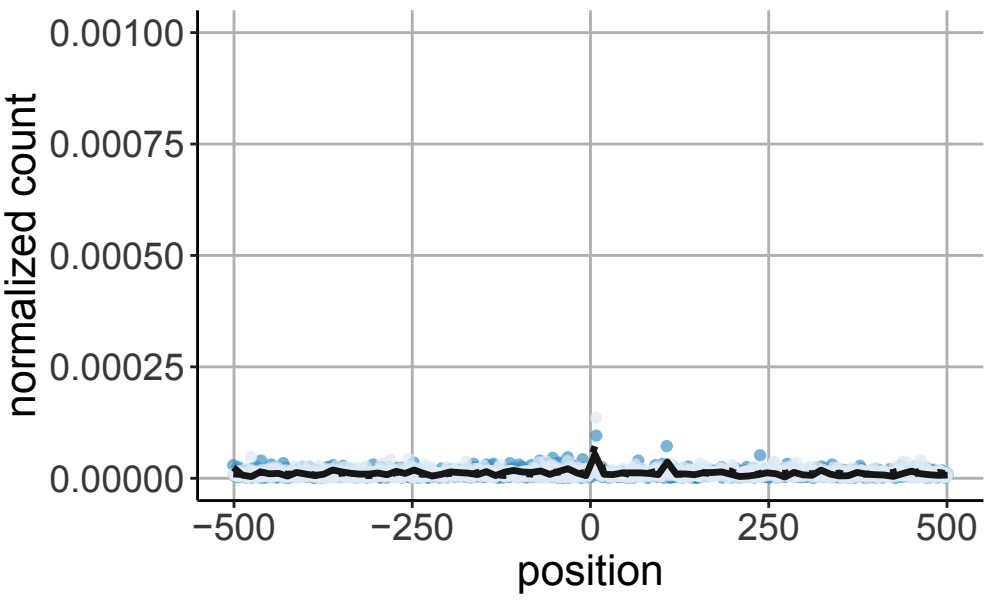

HEXIM2−NGCGACGGKN

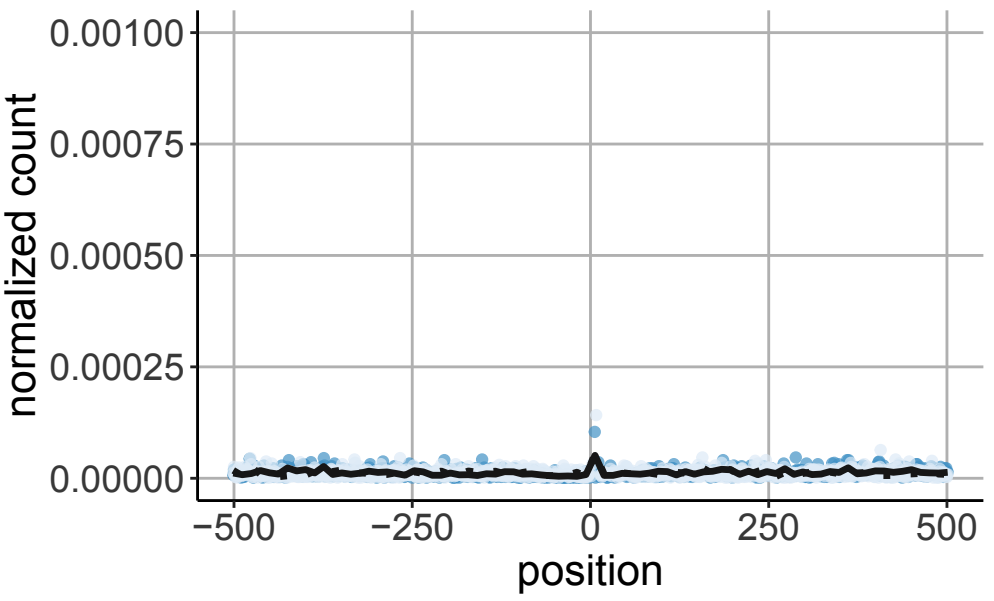


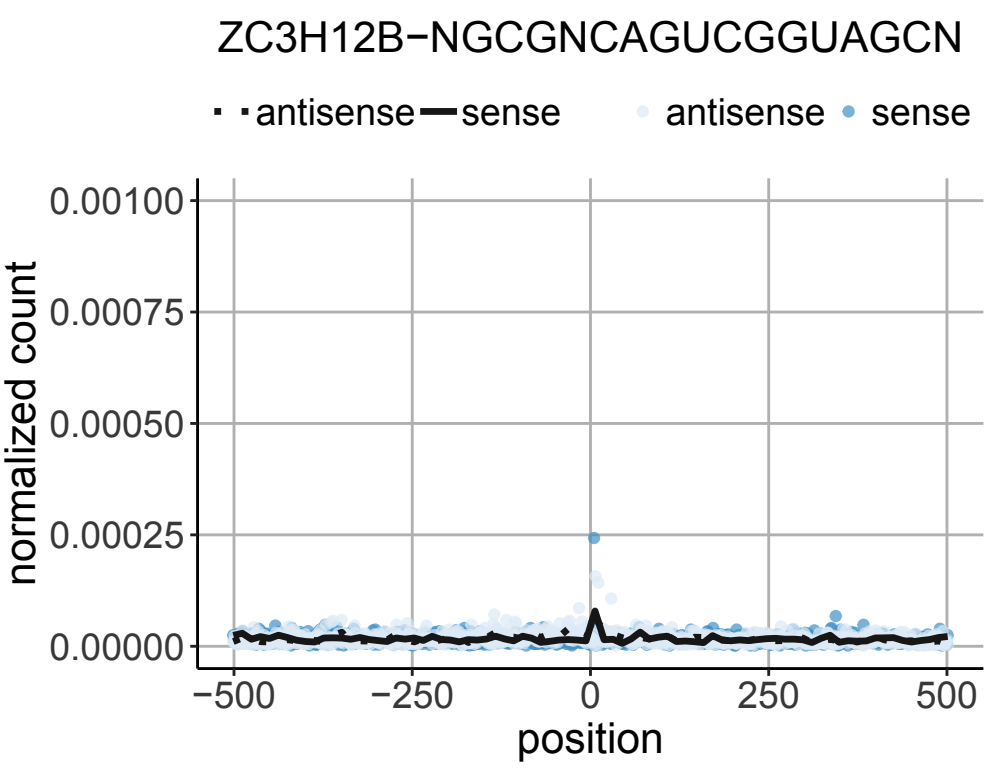
stop codon

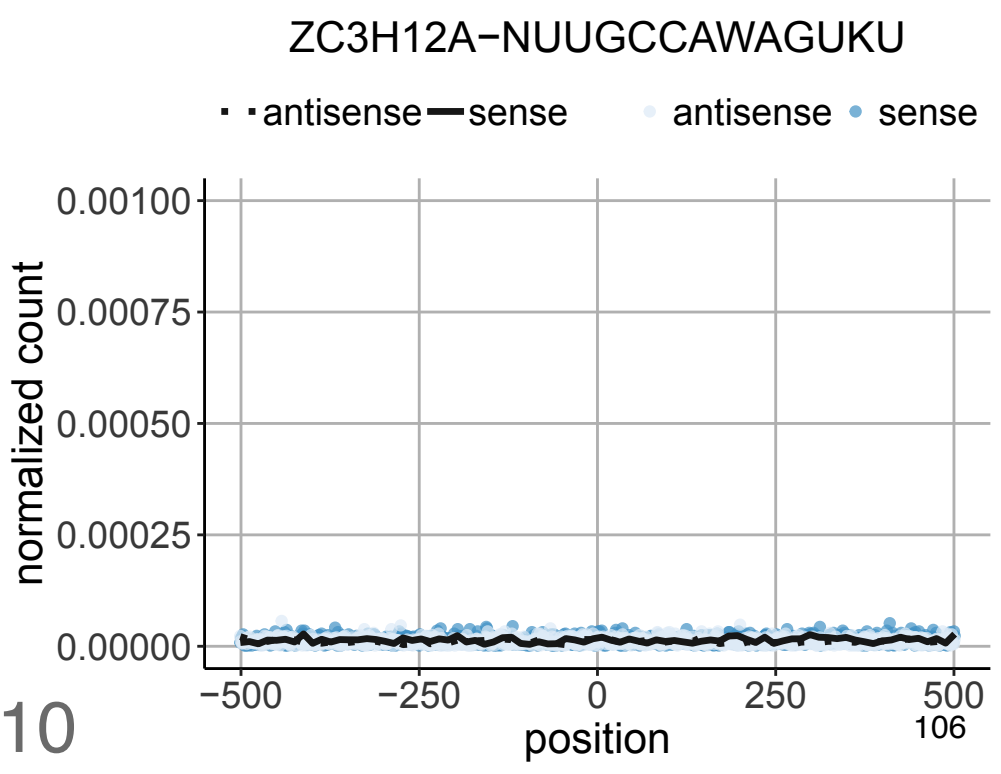

YBX1−NUAACAUCGGG
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position


RBM24−GUGUGNGUGUG
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position


CSDA−UAACAUCA
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

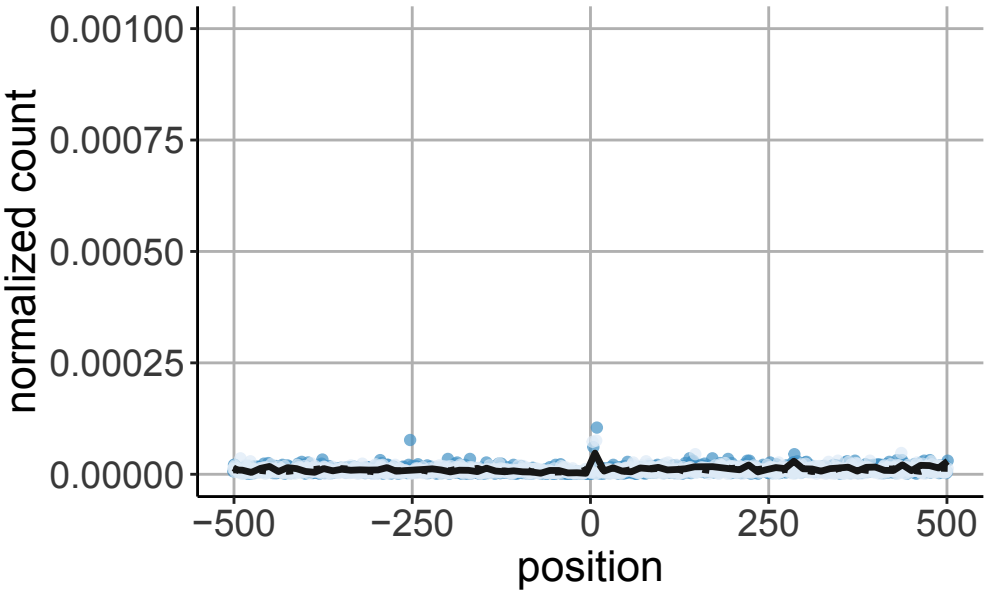

HNRNPA1L2−NUAGGUUAGGGW
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position


ZC3H12B−NGCGNCAGUCGGUAGCN
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

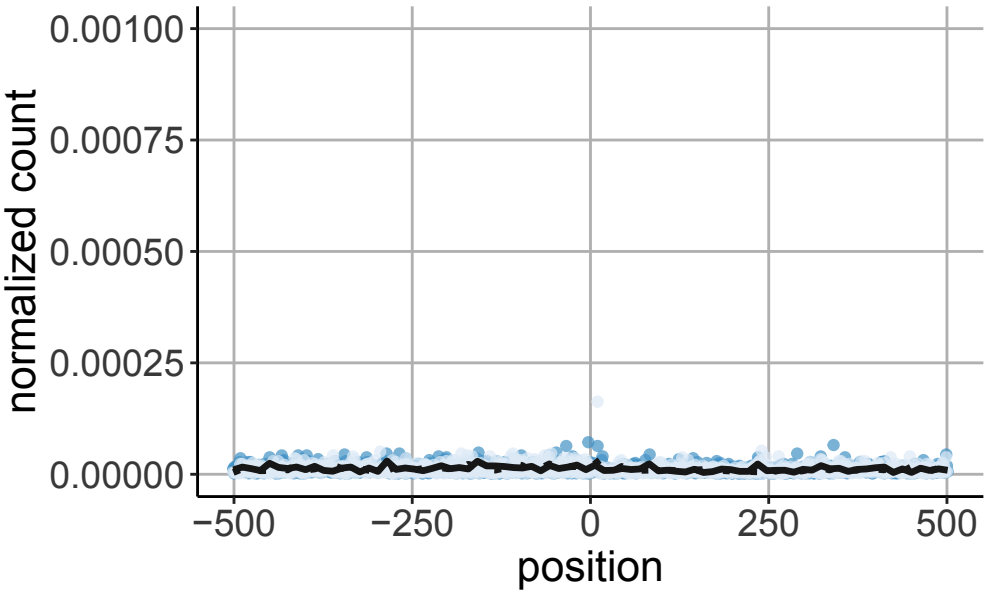

ZC3H12A−NUUGCCAWAGUKU
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

stop codon

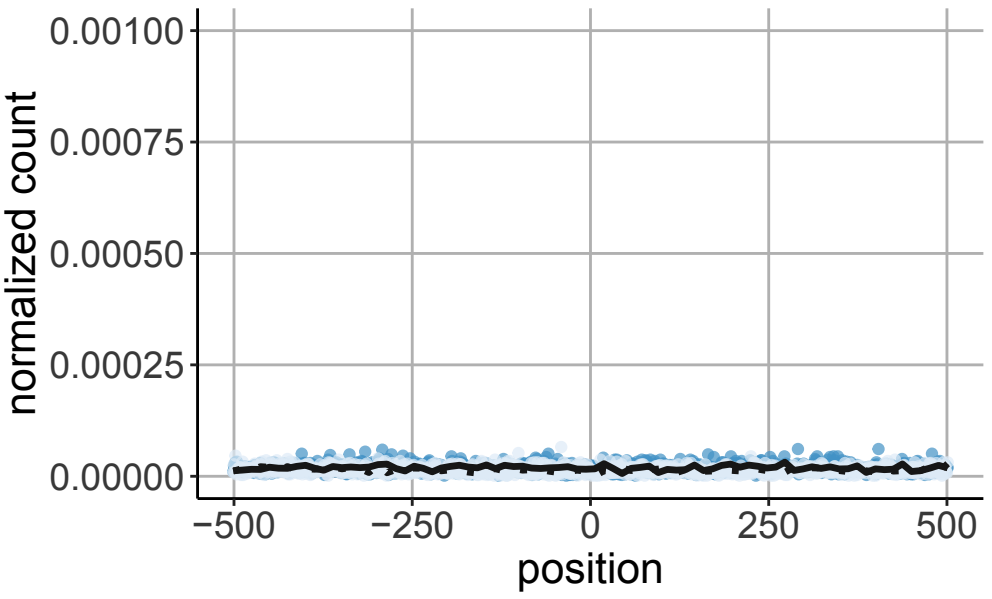
DAZAP1−UUAGGUUAGG



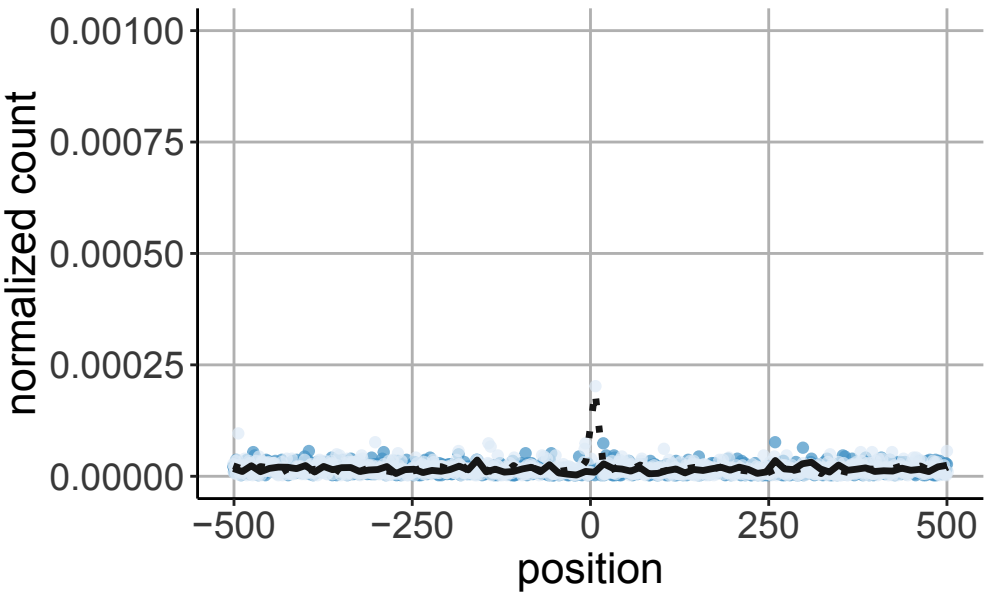

CARHSP1−GCCAUGAUCAUGAU



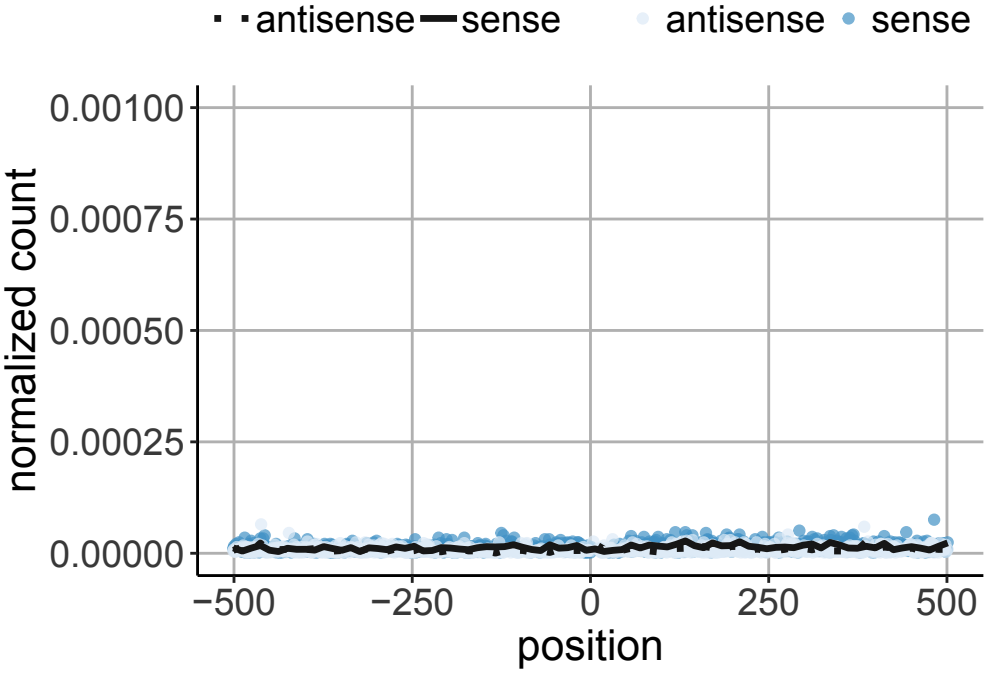

CARHSP1−UUGCCUUGUCCCGAU



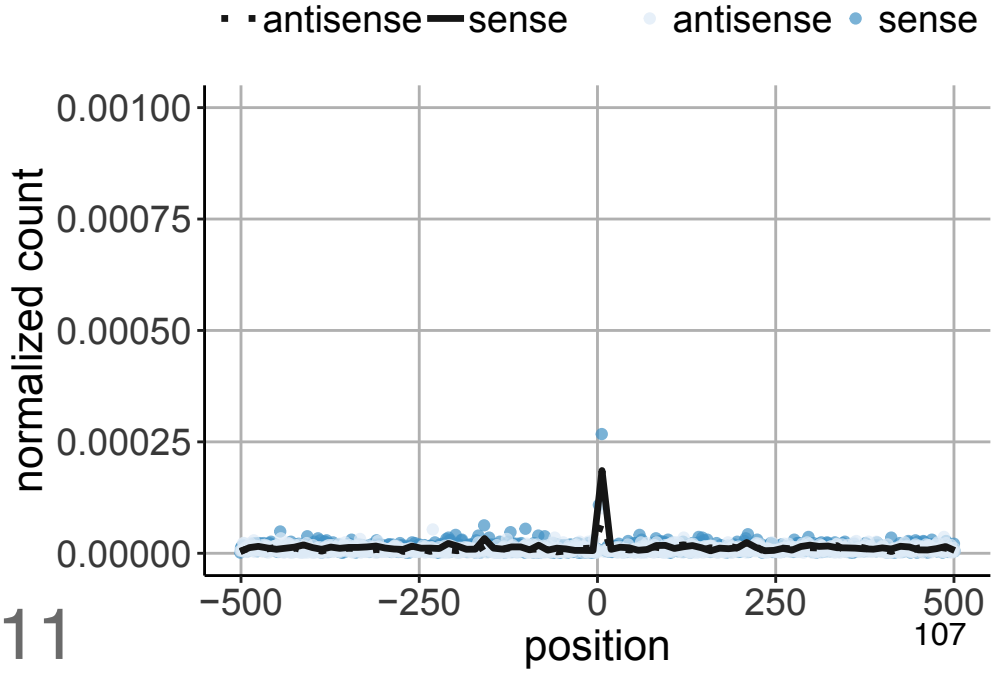

RNPC3−GGGUSUACGGGGU




ELAVL1−UUUAUGNUUU

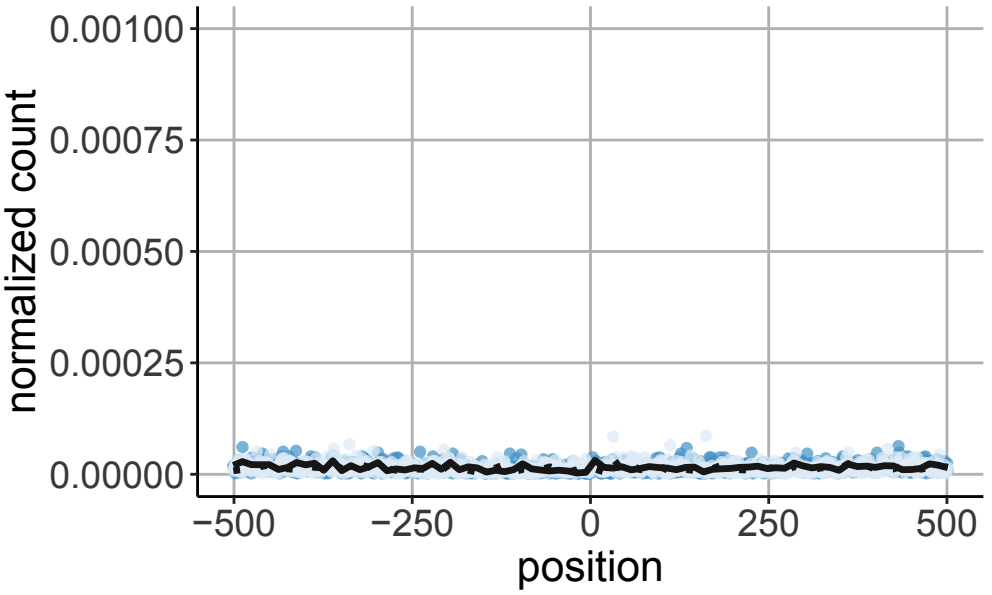



RBM46−GUGAUUG

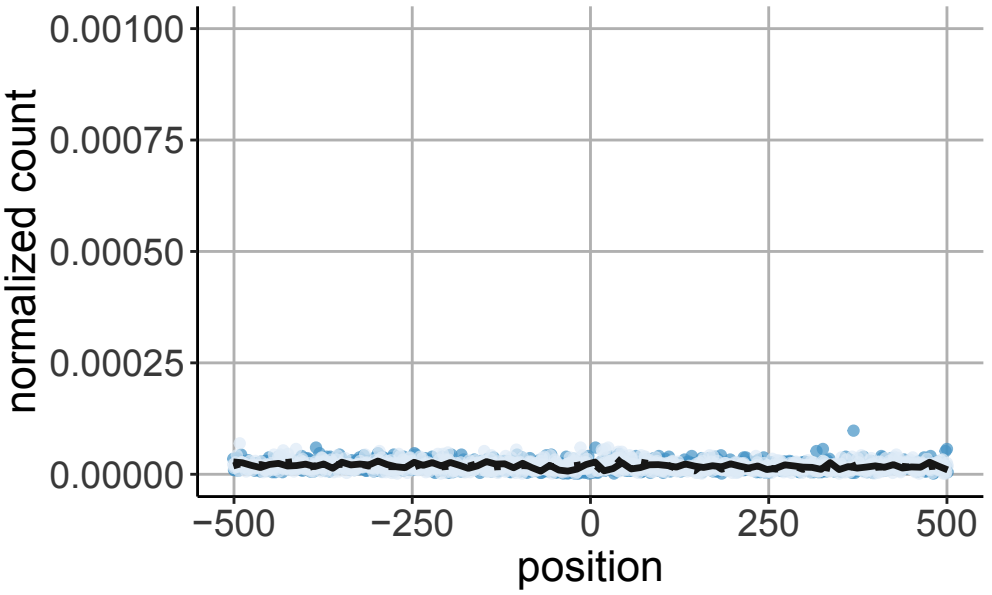


stop codon

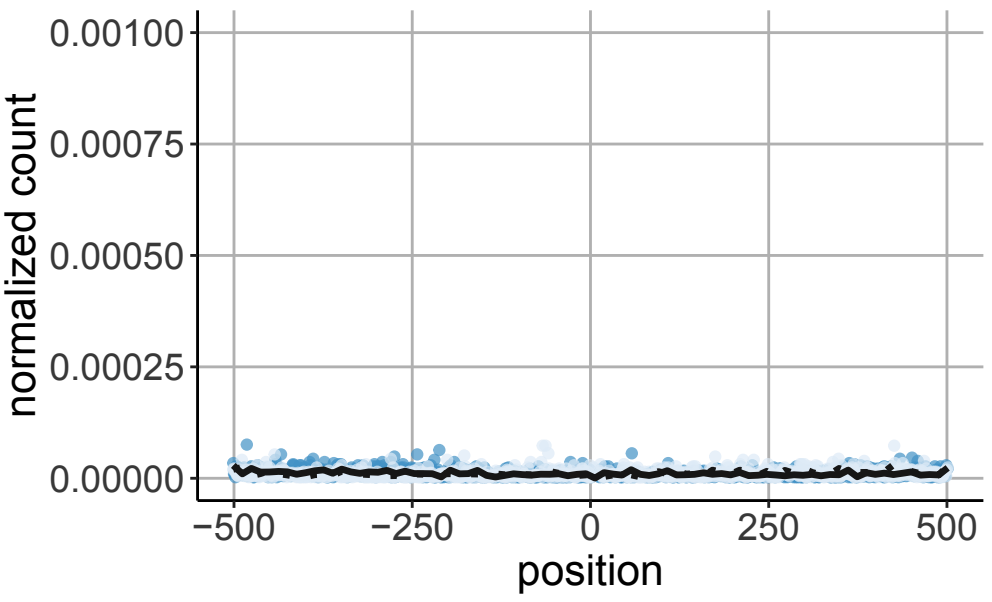
ESRP1_3−GGUGUGGUGU



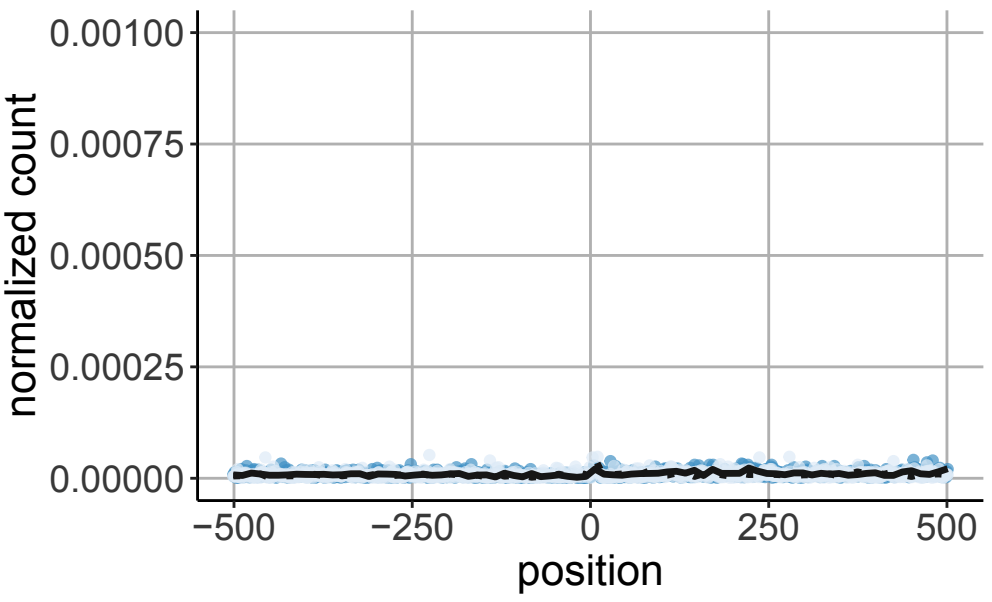

SNRPB2−GGGUGUGCAC



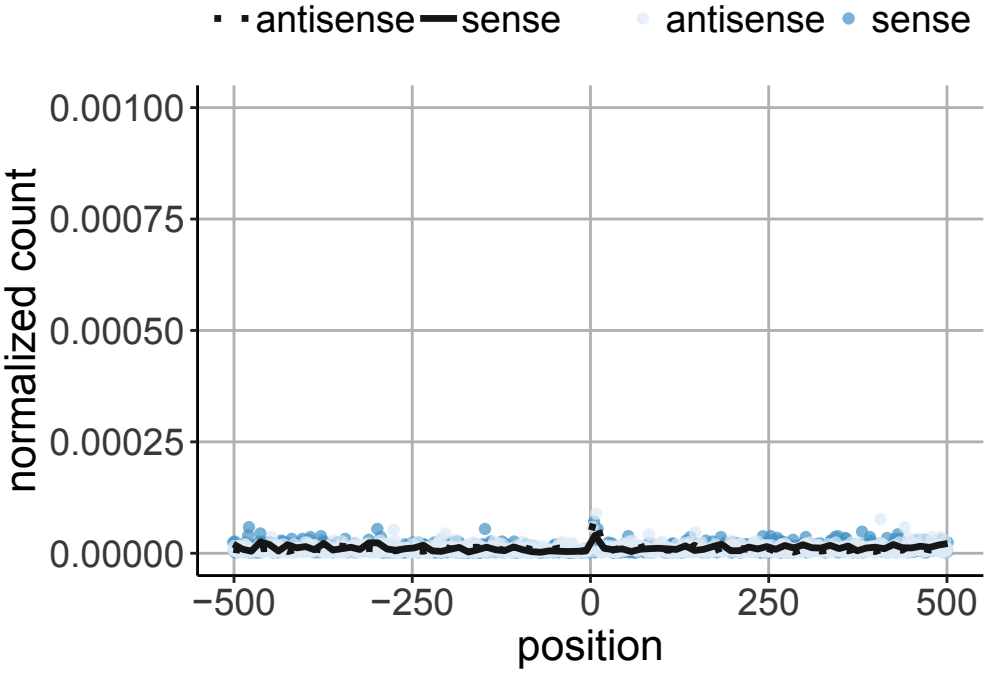

SNRPB2−NNCAUUGCACN



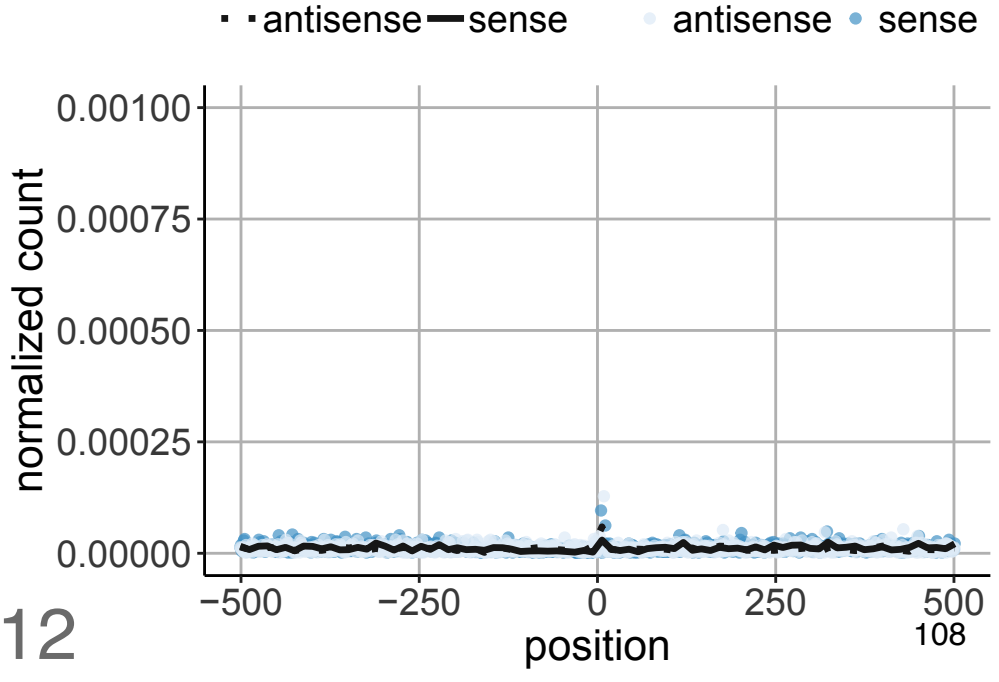

MEX3C−NNAGAGUUUAUNN



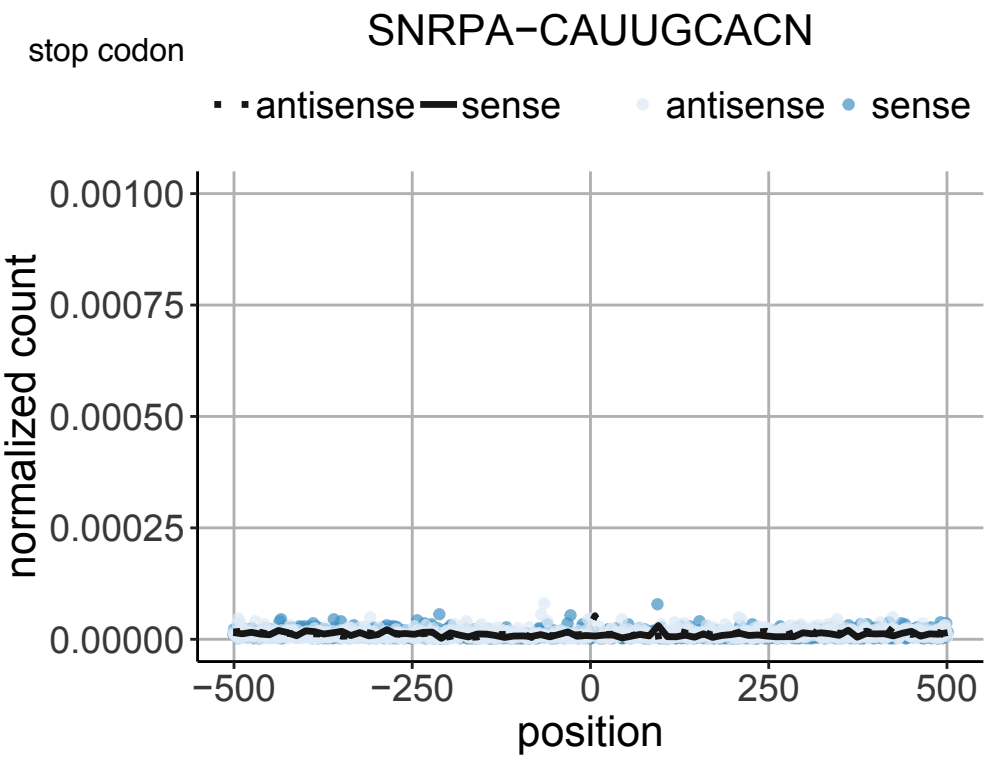

HNRNPA0−KUAGKUUAGGK

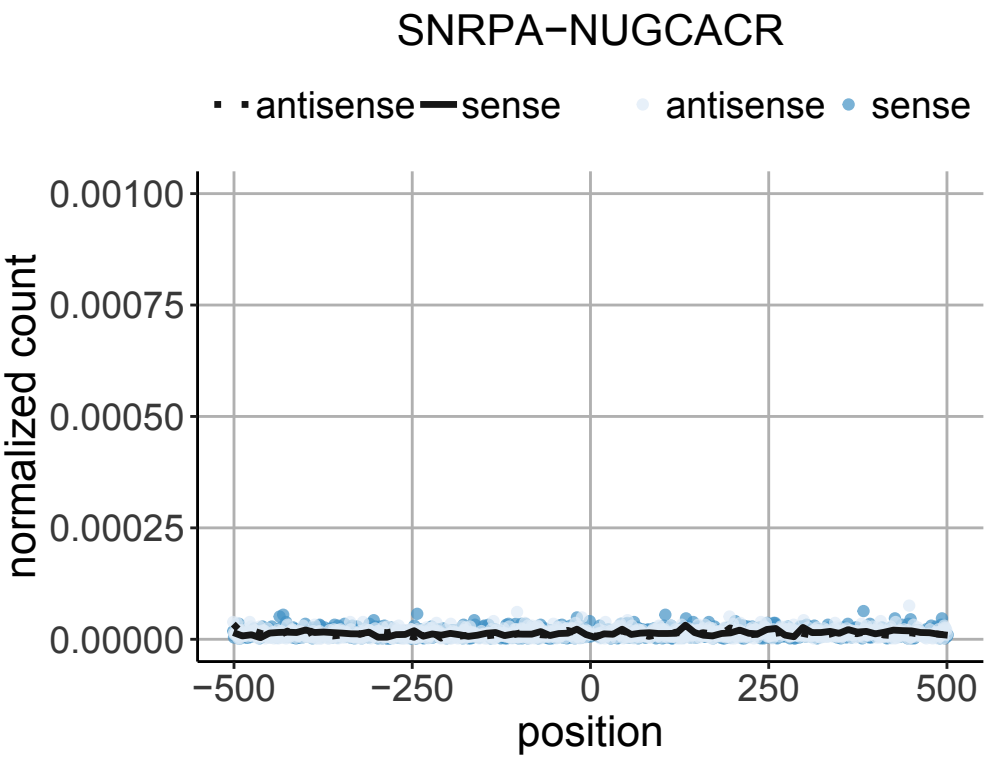


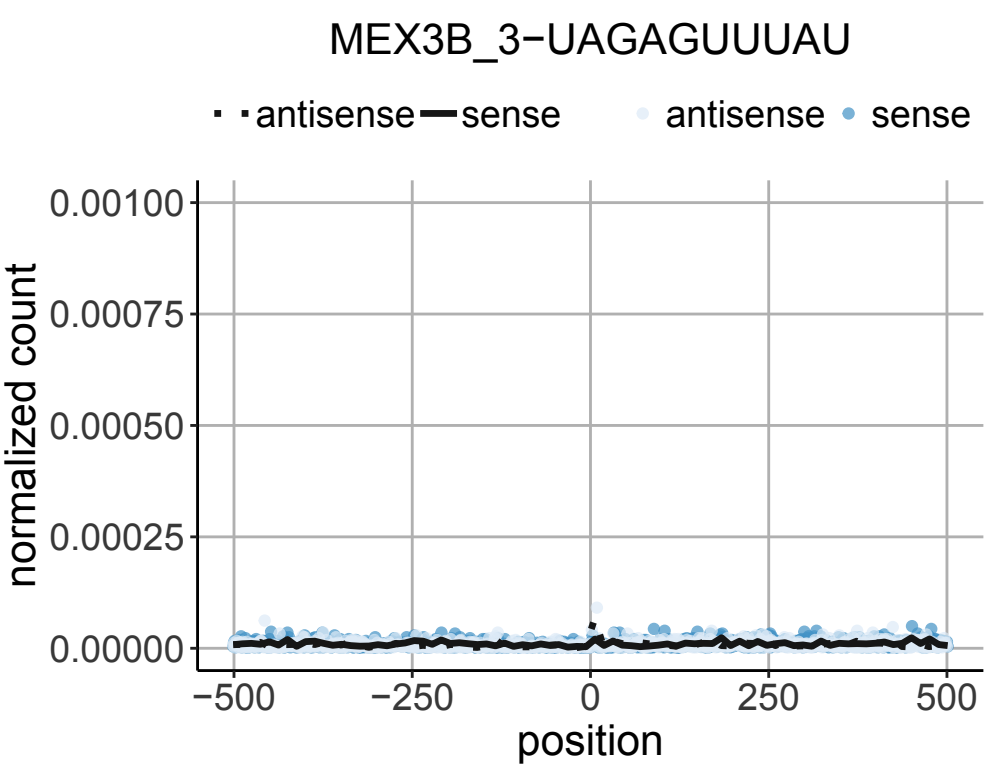

HNRNPA0−KUAGKUUUAGGK

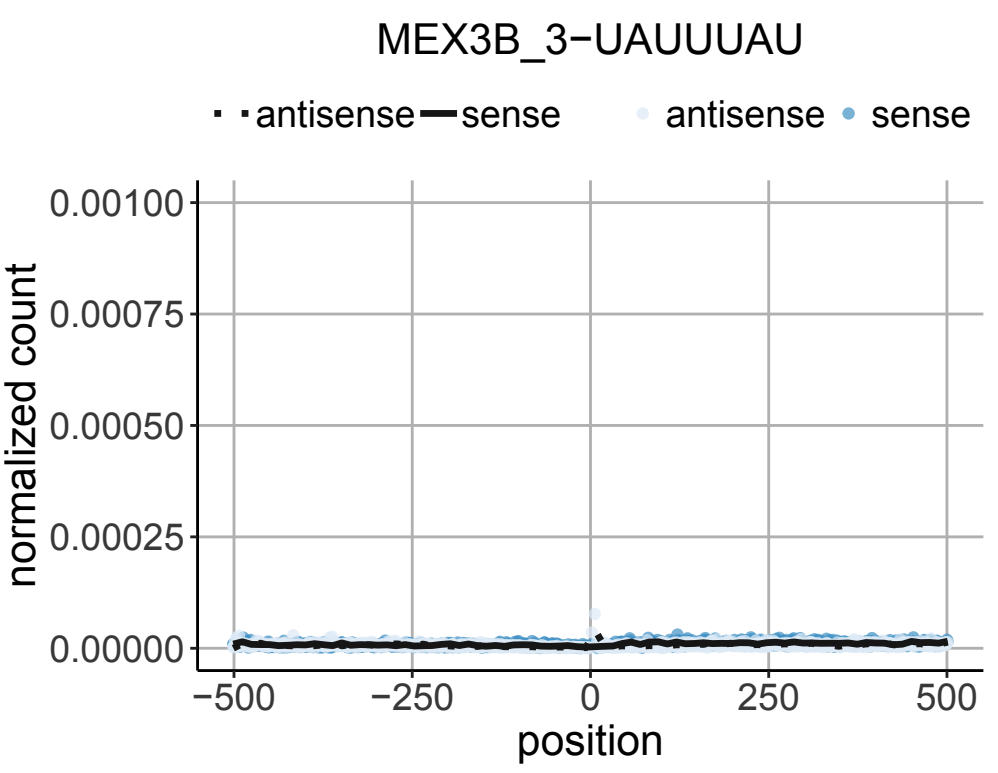


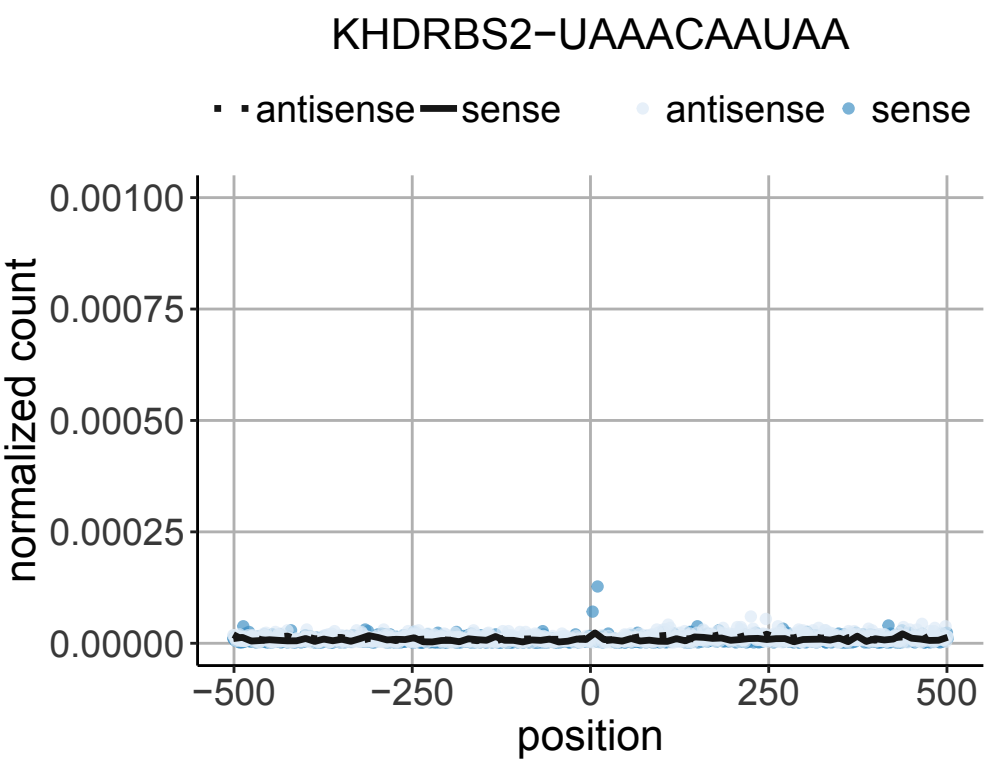
stop codon

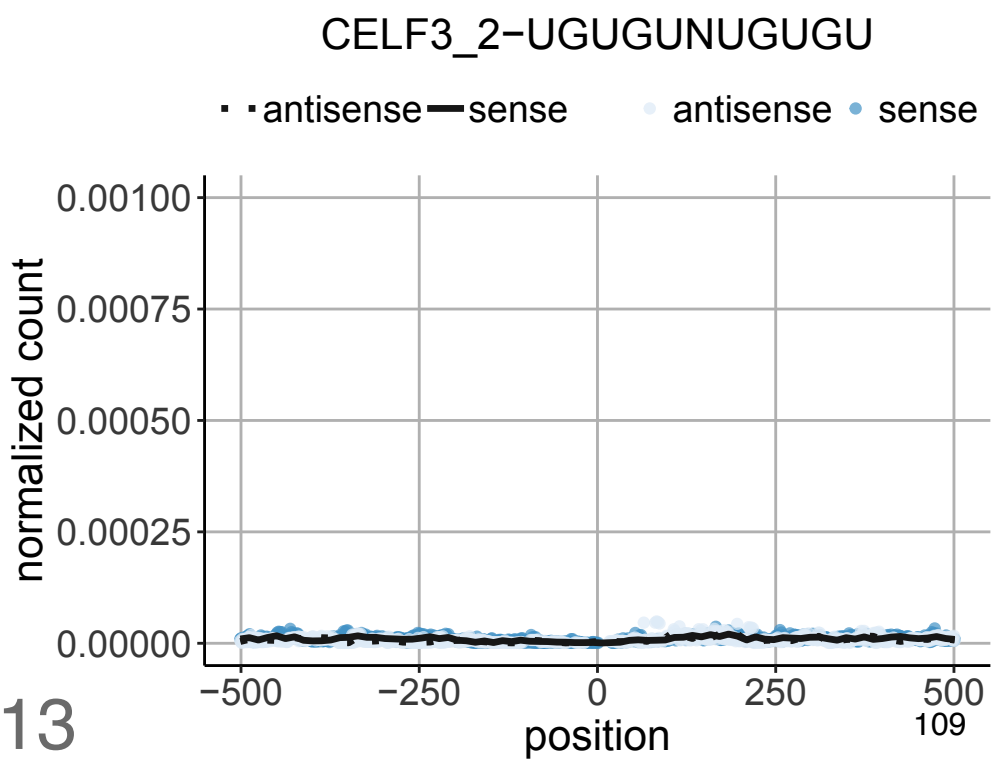

SNRPA−CAUUGCACN
antisense
sense
antisense
sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position


SNRPA−NUGCACR
antisense
sense
antisense
sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

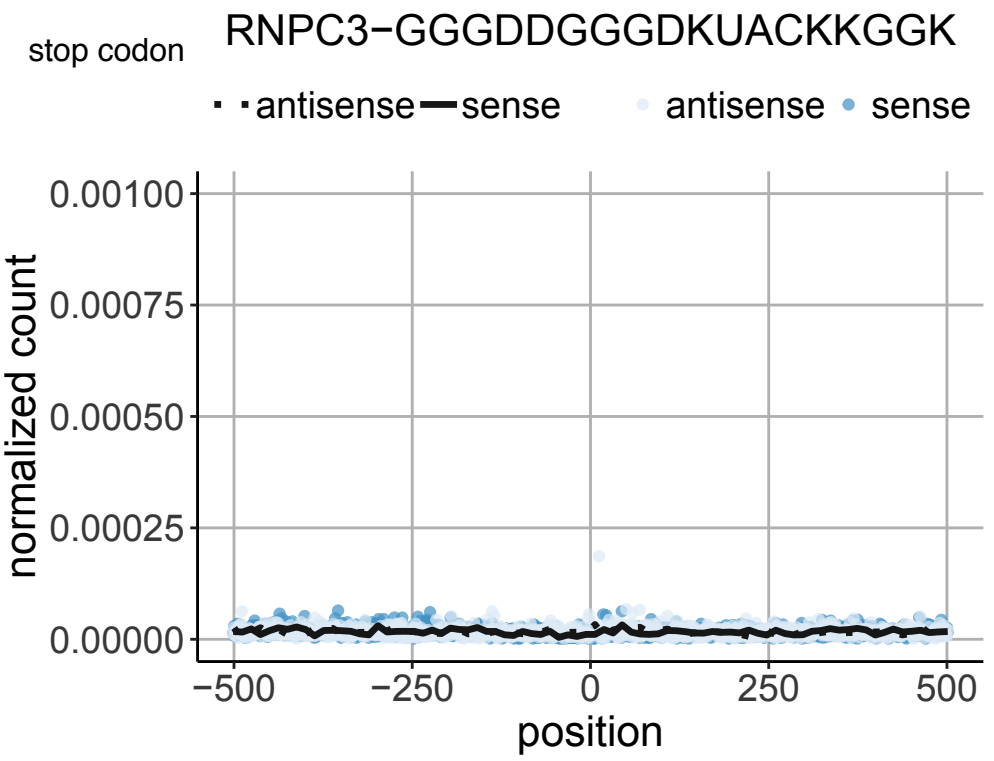

MEX3B_3−UAGAGUUUAU
antisense
sense
antisense
sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

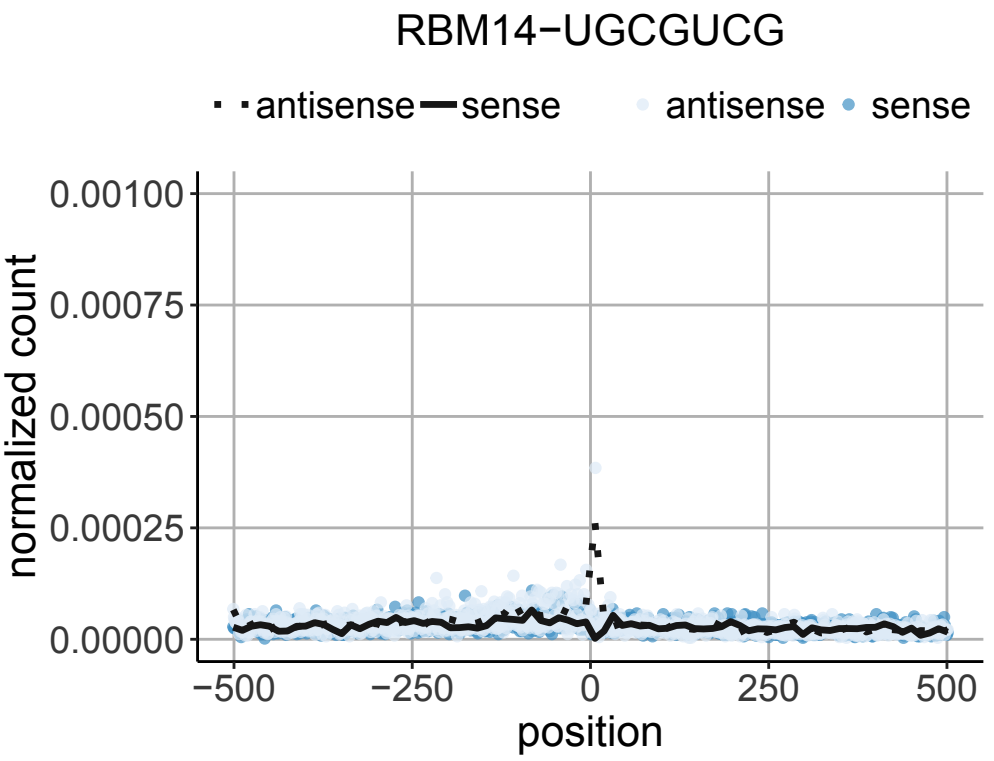

MEX3B_3−UAUUUAU
antisense
sense
antisense
sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

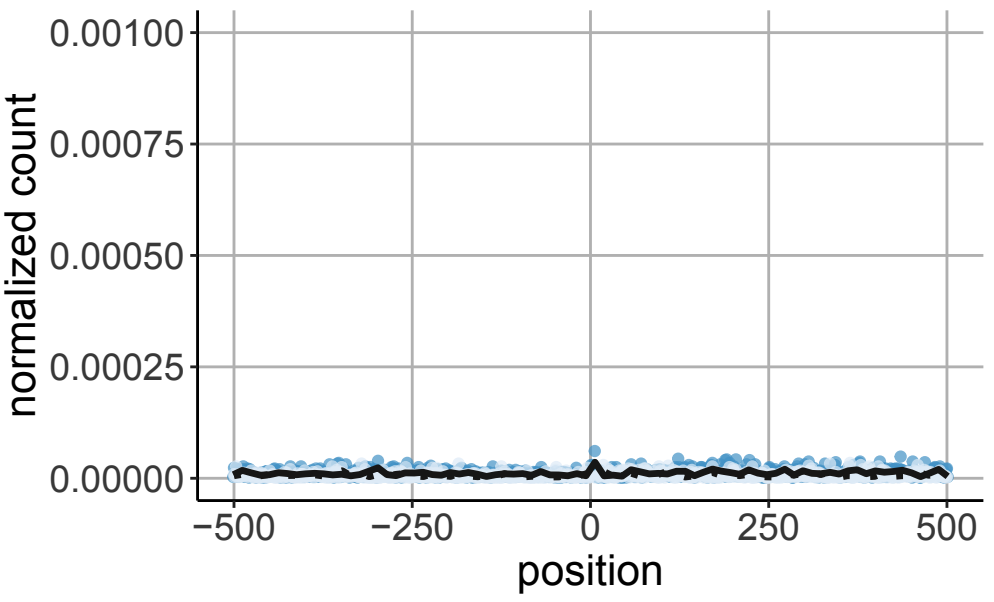

KHDRBS2−UAAACAAUAA
antisense
sense
antisense
sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

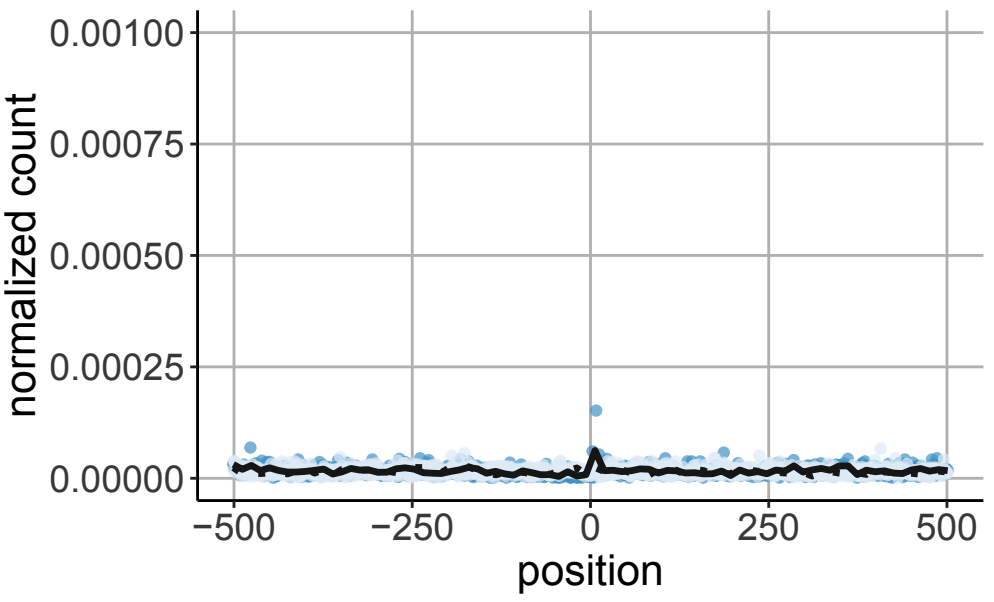

CELF3_2−UGUGUNUGUGU
antisense
sense
antisense
sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

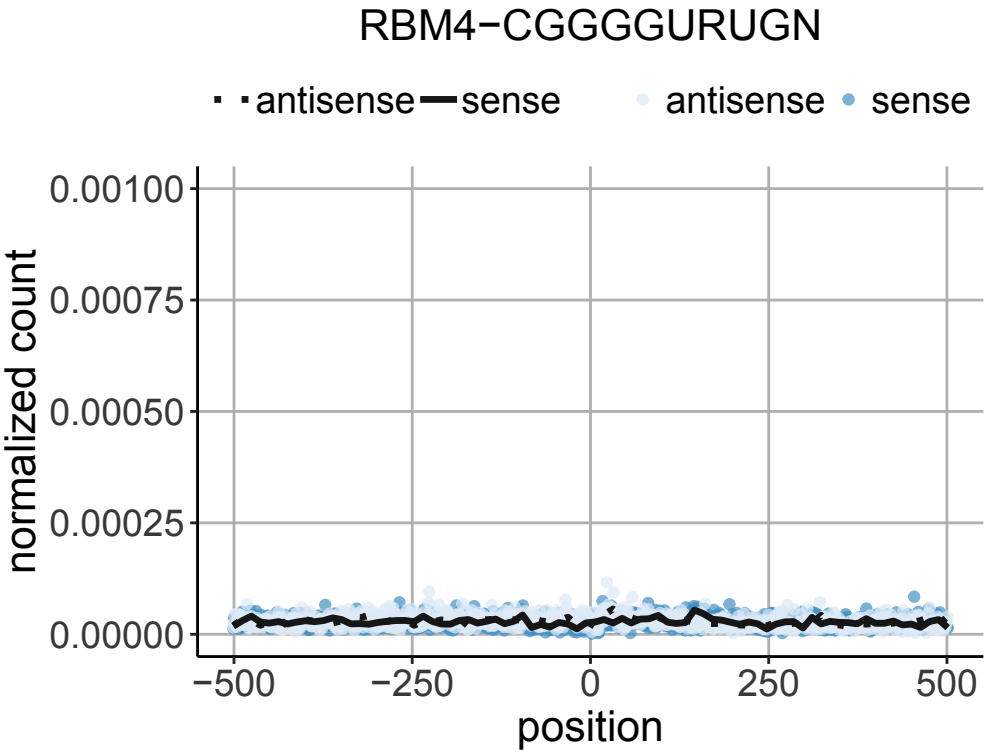
stop codon

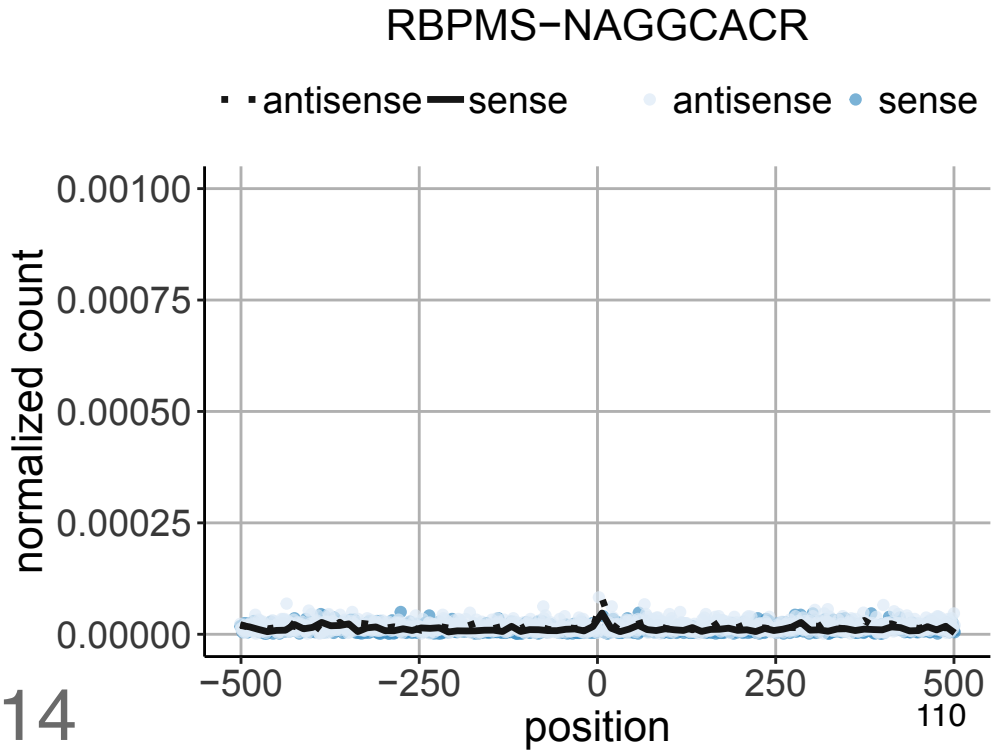

RNPC3−GGGDDGGGDKUACKKGGK
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position


RBM14−UGCGUCG
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position


CELF4−UGUGUUGUGU
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

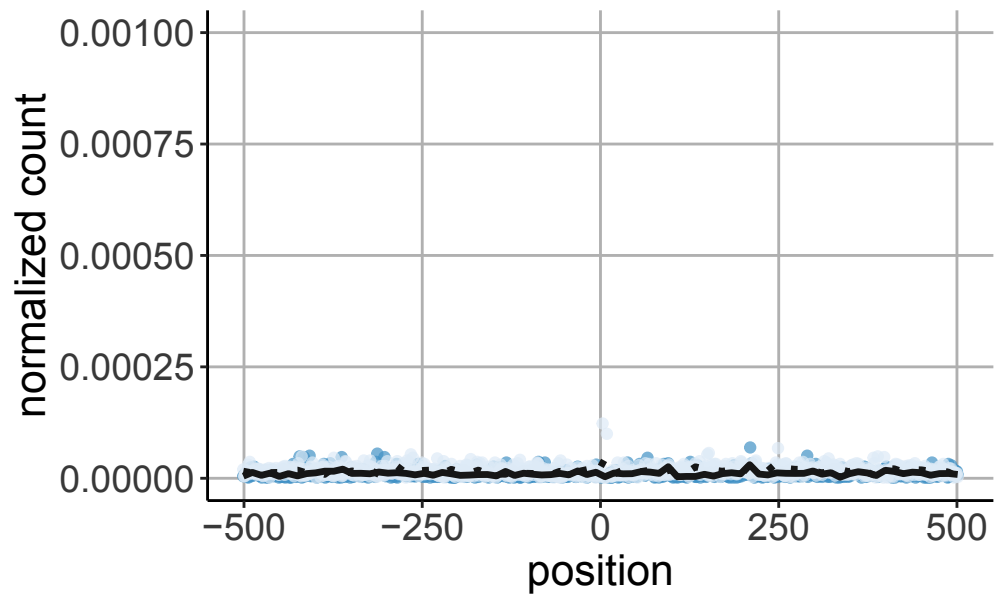

ZRANB2−NNNGGUAAGGUNN
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position


RBM4−CGGGGURUGN
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

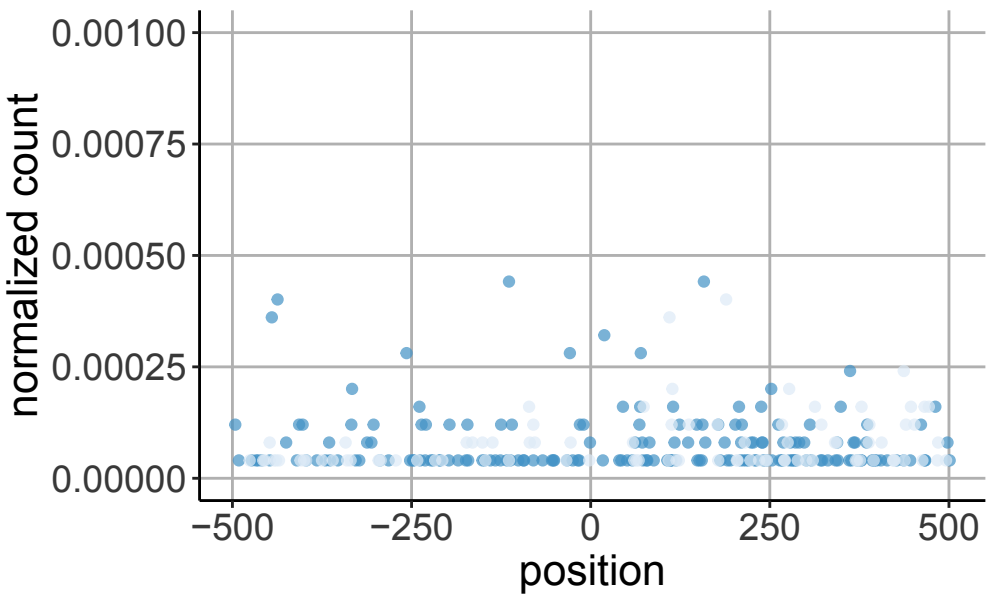

RBPMS−NAGGCACR
antisense sense
antisense sense
normalized count
0.00100
0.00075
0.00050
0.00025
0.00000
−500
−250
0
250
500
position

stop codon

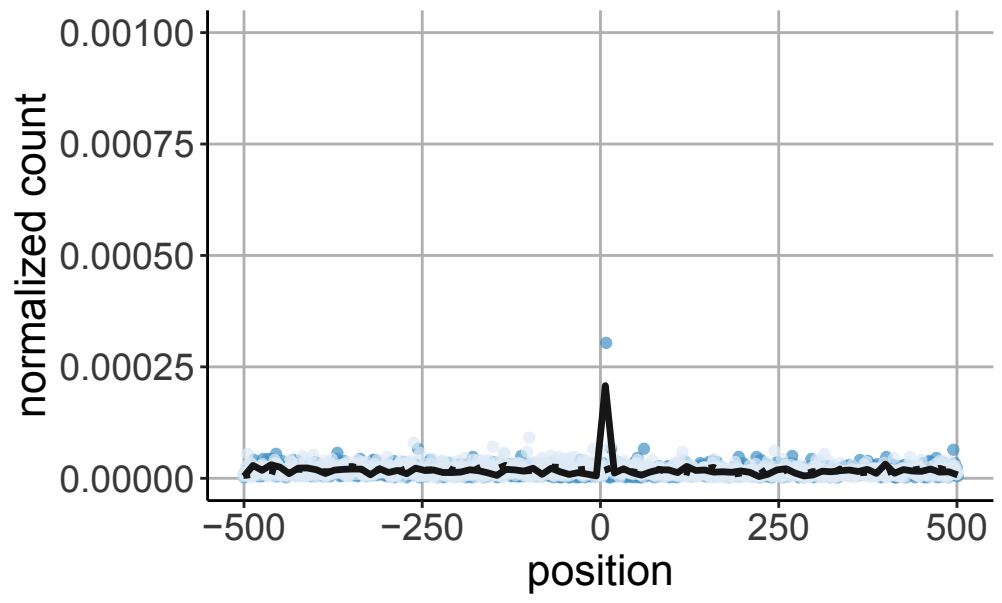
RBPMS−UCACGNGCACN



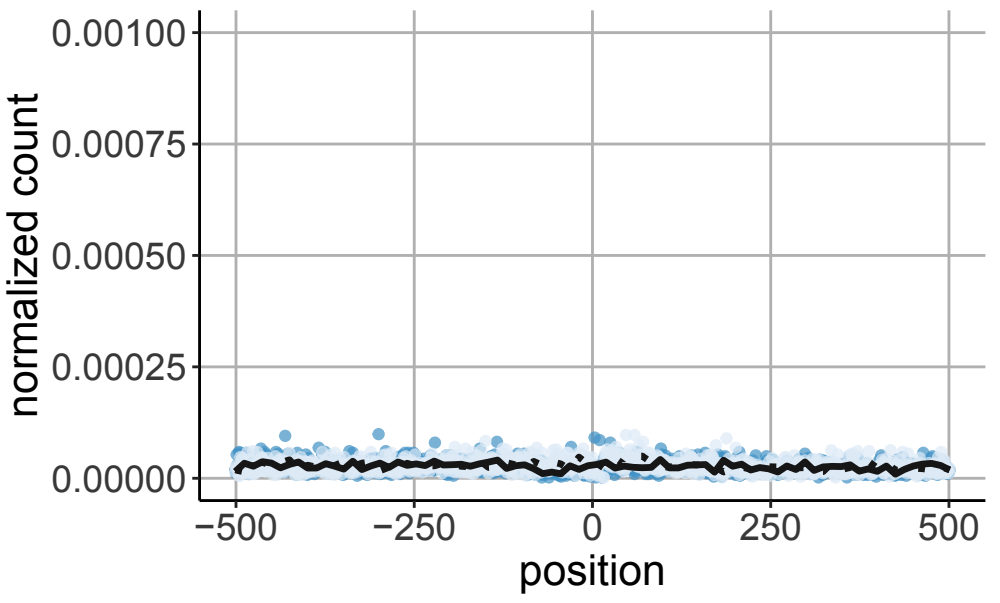

CELF1_2−UGUGUNUGUGU




CSTF2−RRGGCGUAGCGUNN




RBM28−GRGGCCGNGCGGUGG

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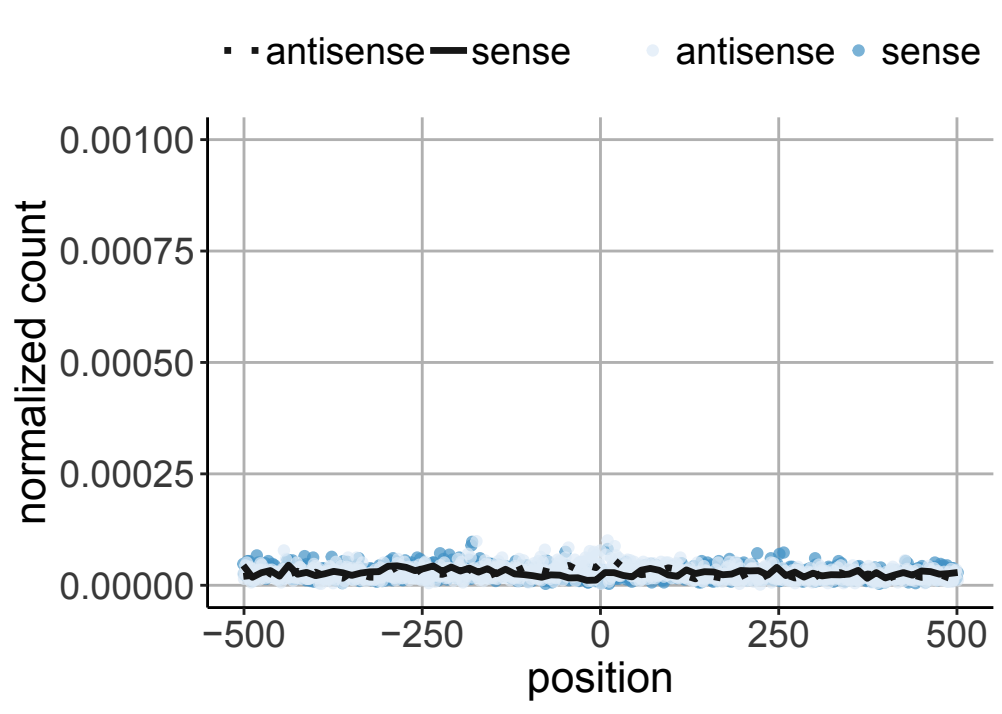
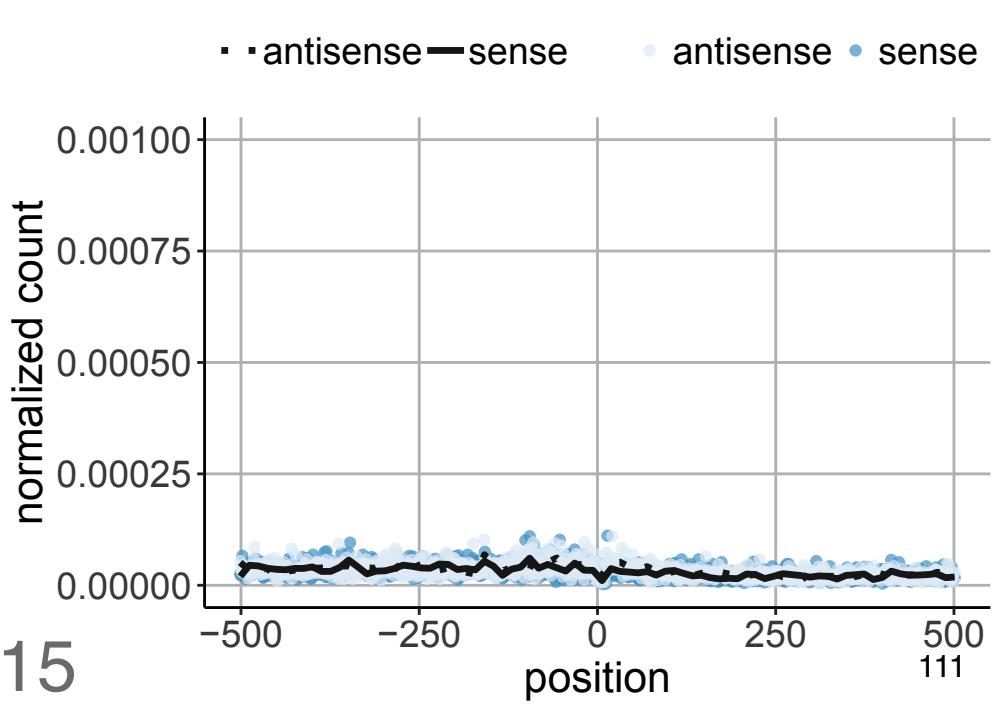



ZC3H10−GCGCAUGCGNN



stop codon

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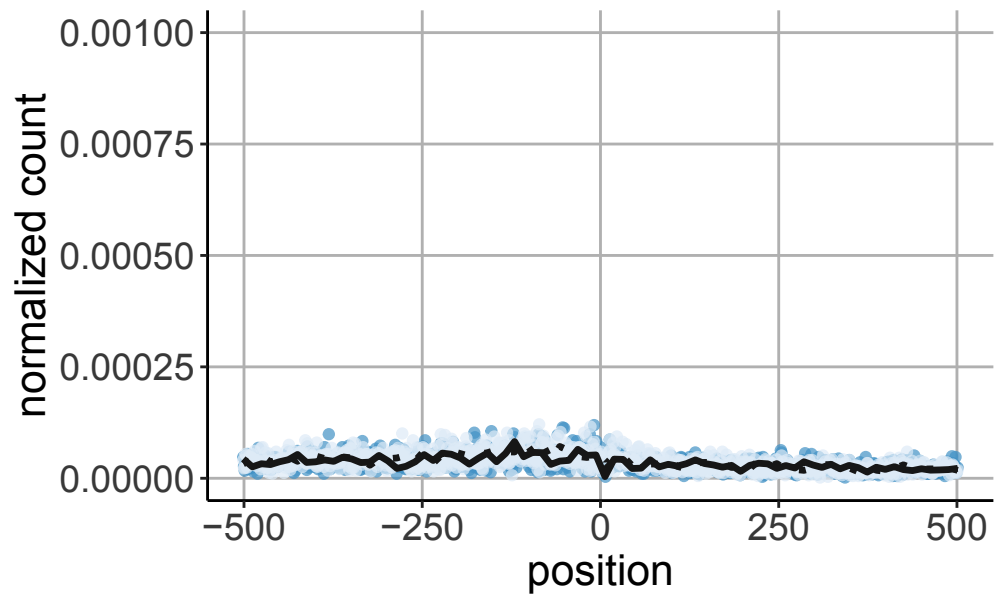
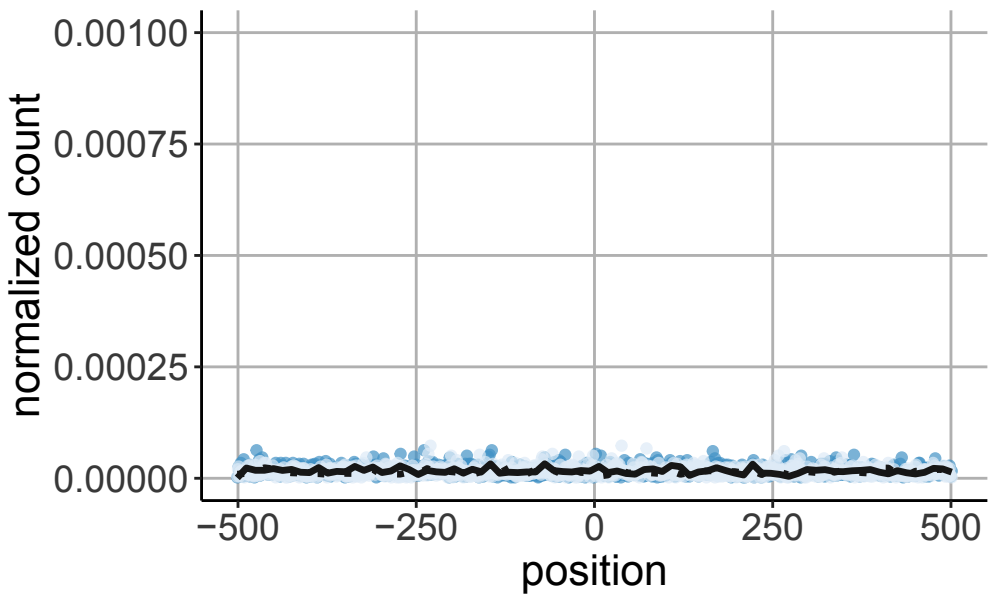
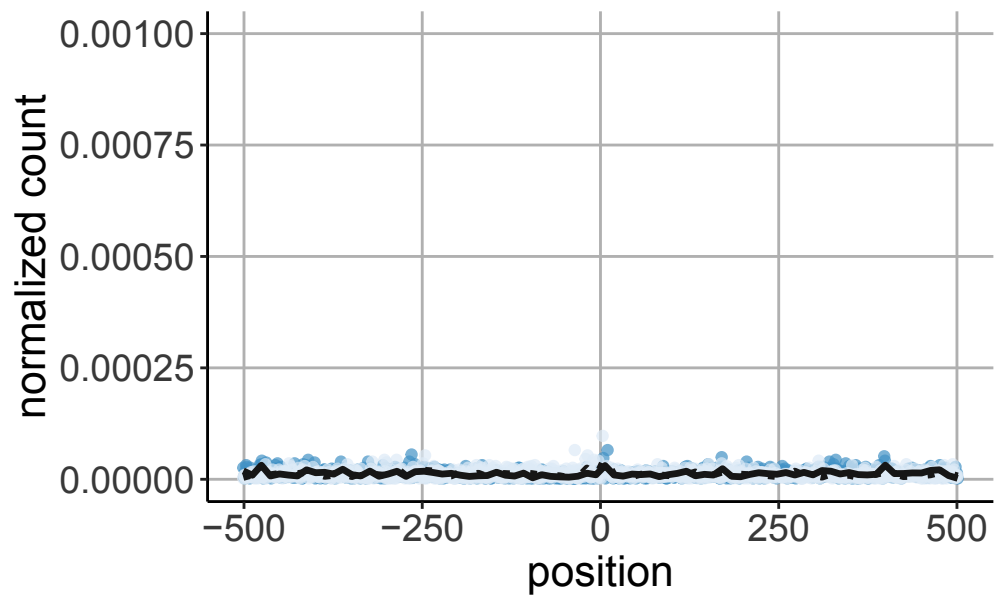


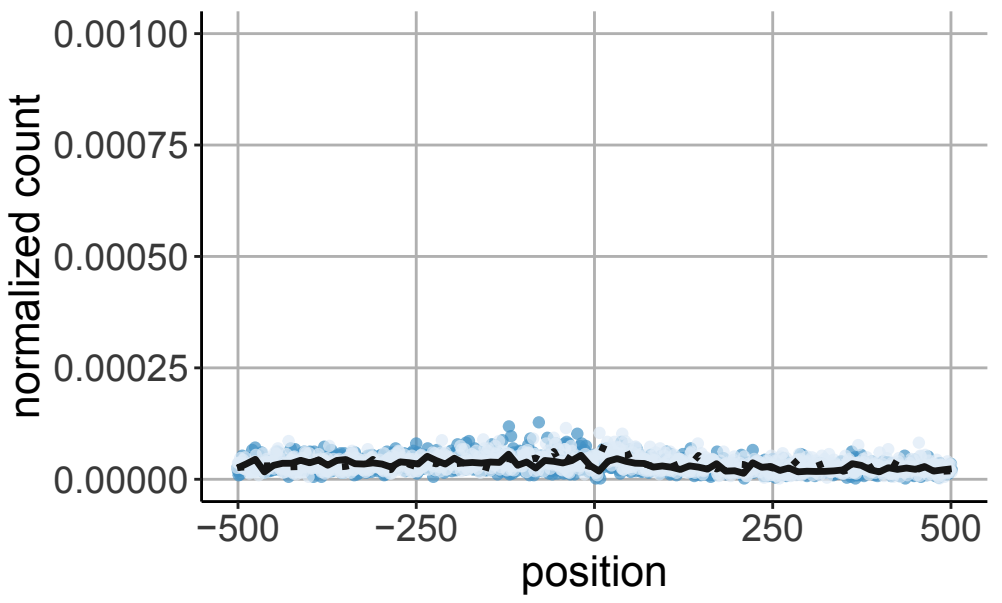

RBFOX1_2−GCAUGNNGCAUG



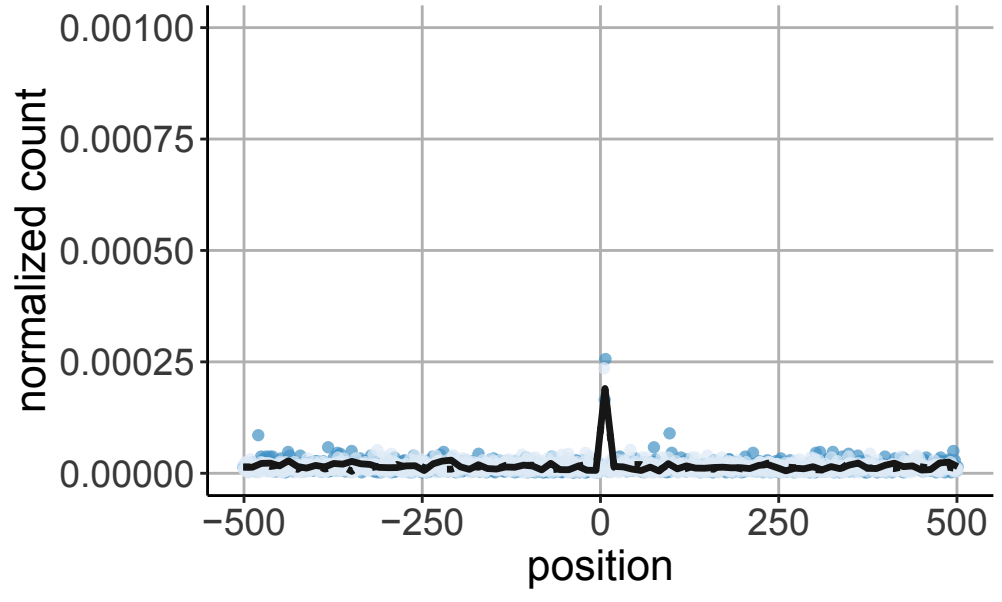

MSI1−KUAGUWKUAGK



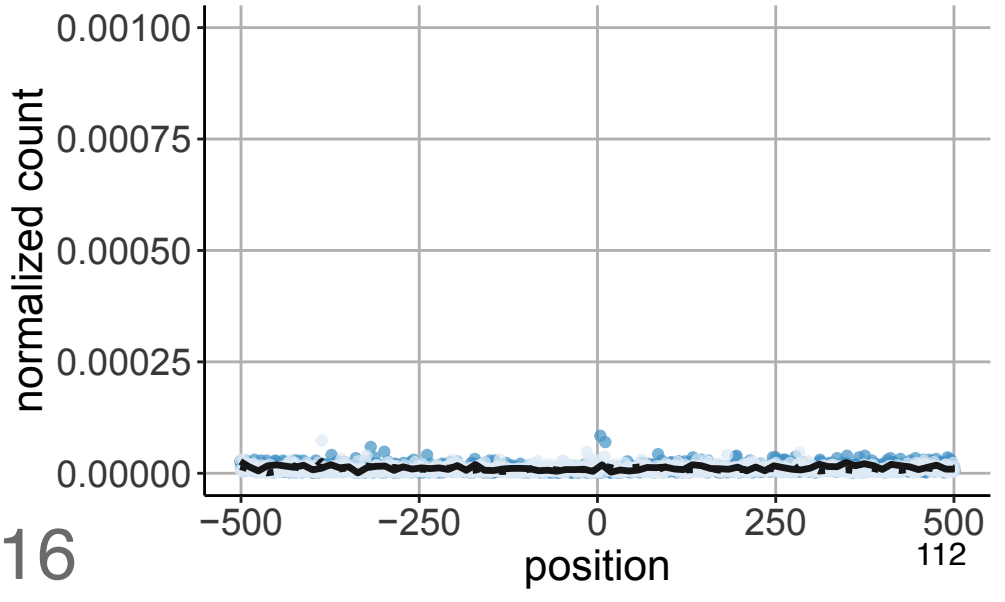

HEXIM1−GKDKCGACGGK



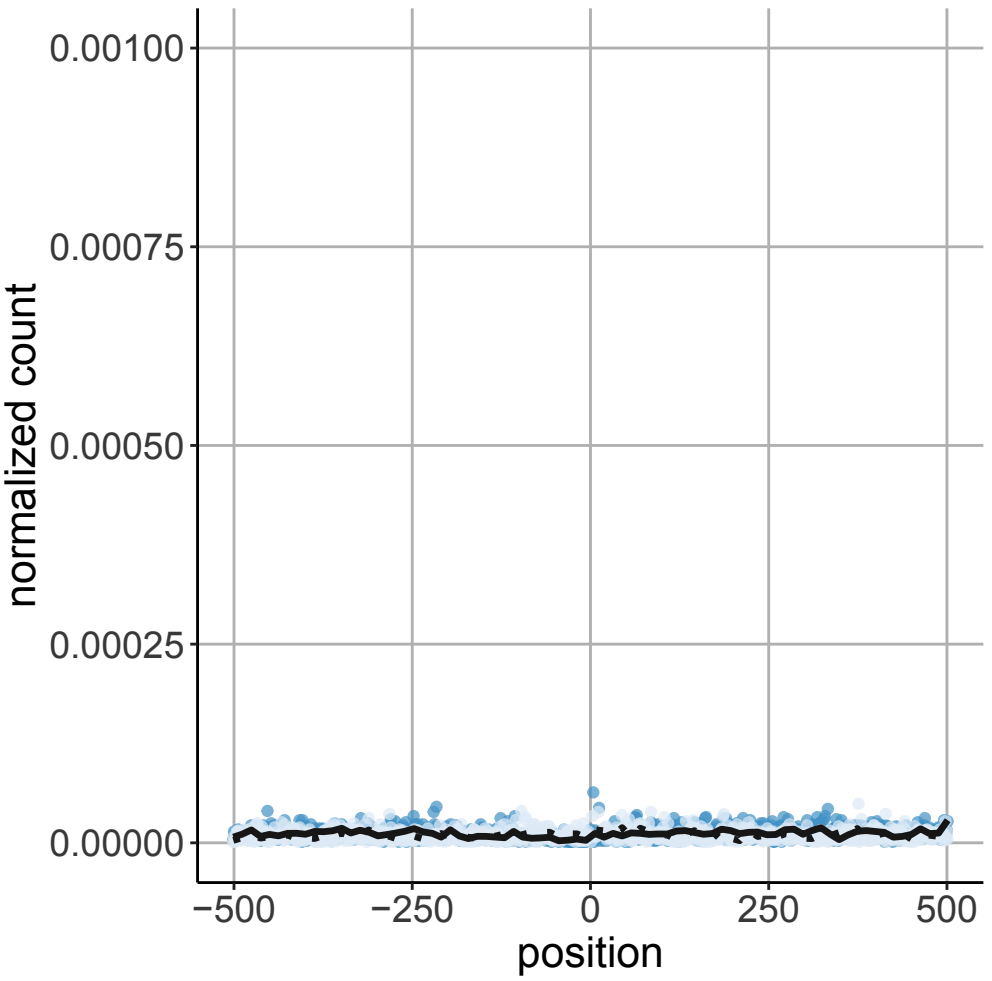

SART3−NGUUAGCRK




MSI2−GUAGUGDGUAGK



stop codon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antisense
sense
normalized count
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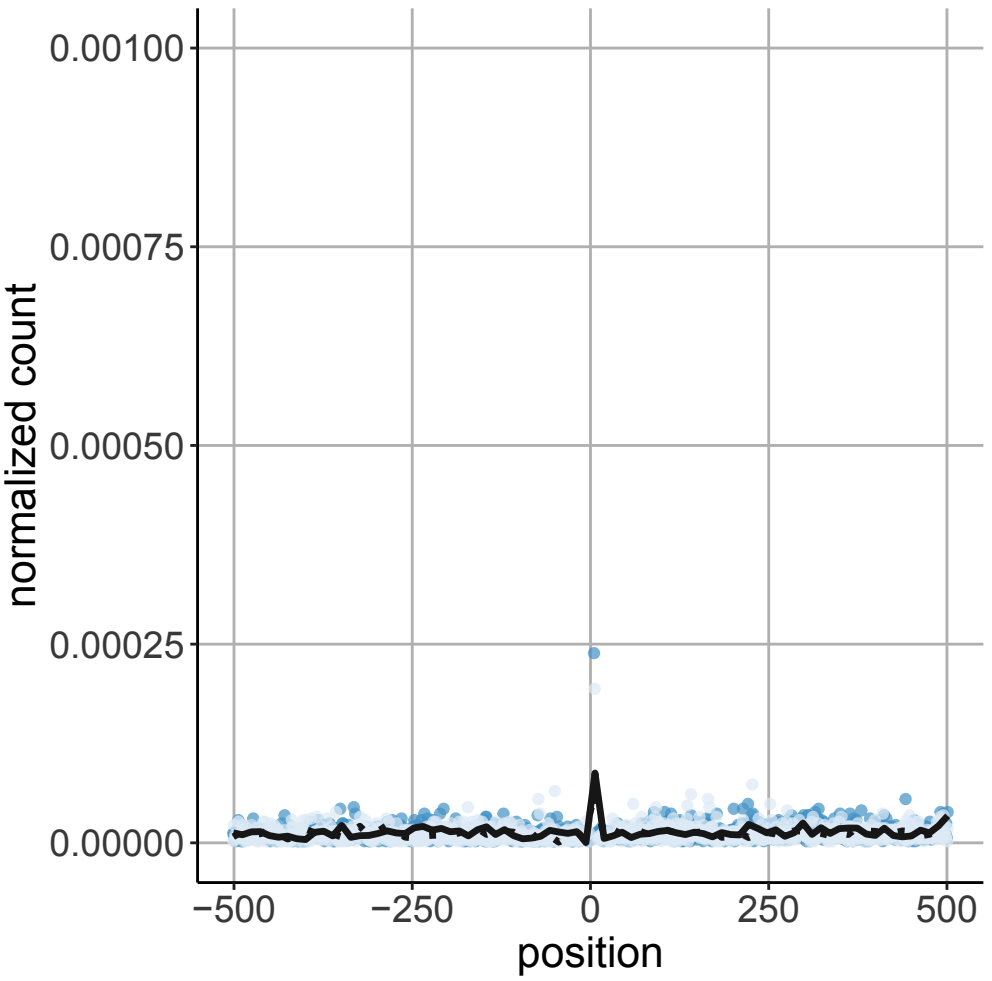
0.00050
0.00025
0.00000
−500
−250
0
250
500
position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sense
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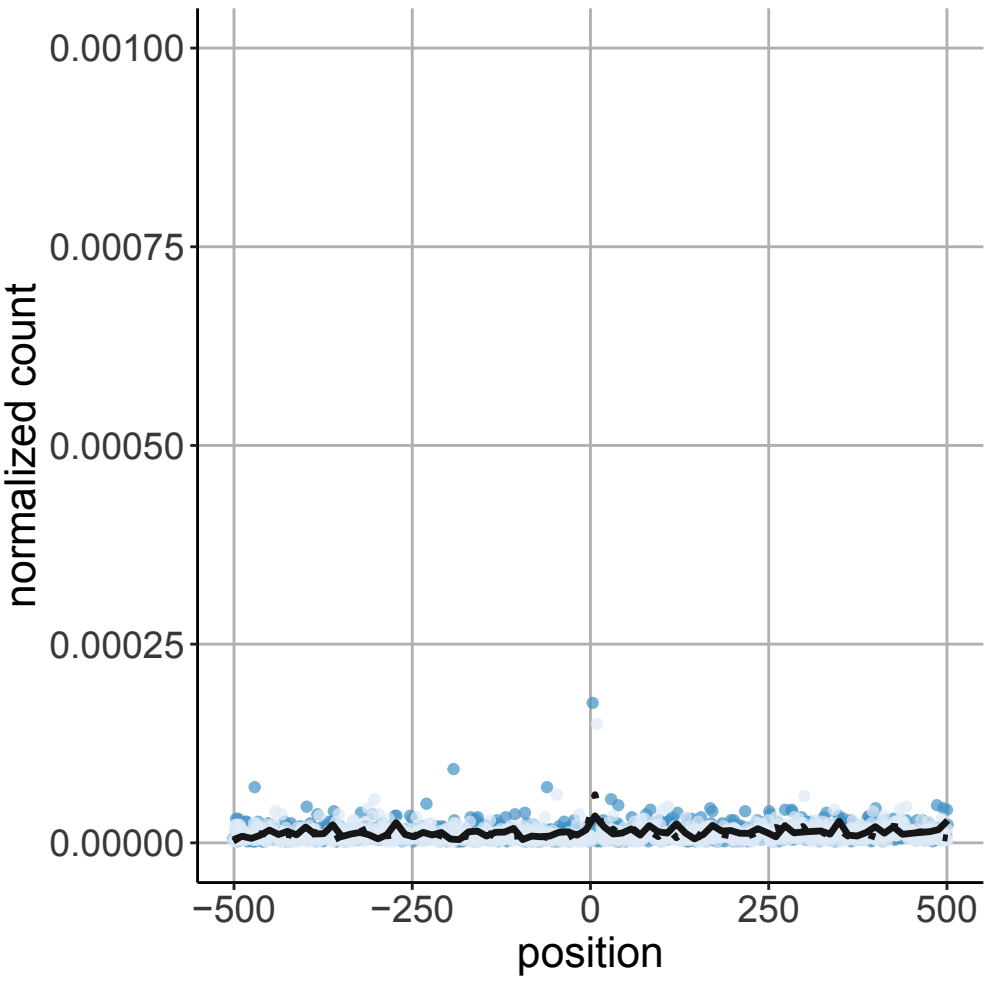
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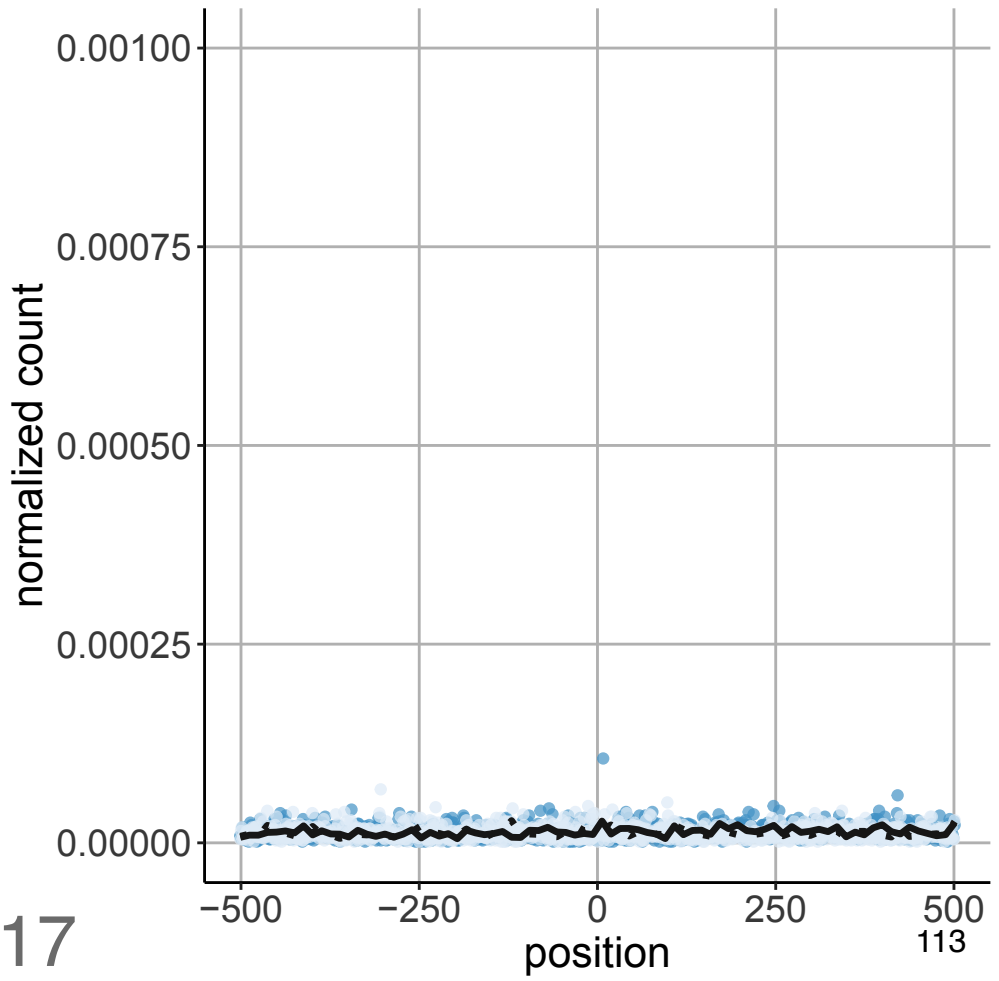
position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sense
antisense
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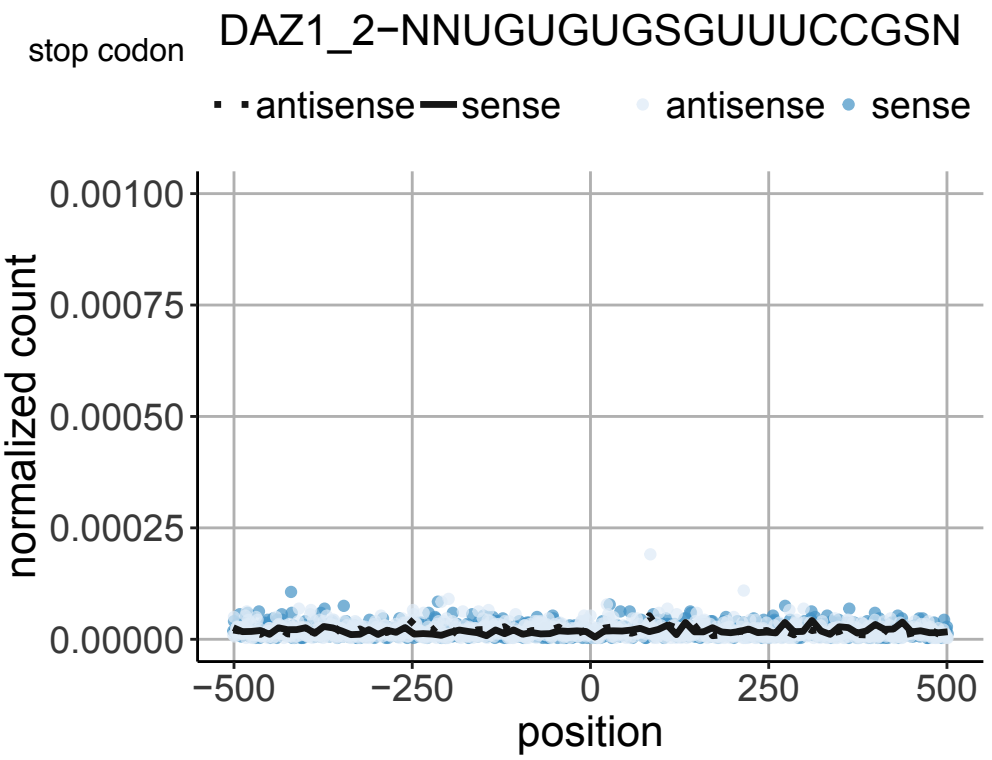
−250
0
250
500
position

stop codon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normalized count
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0
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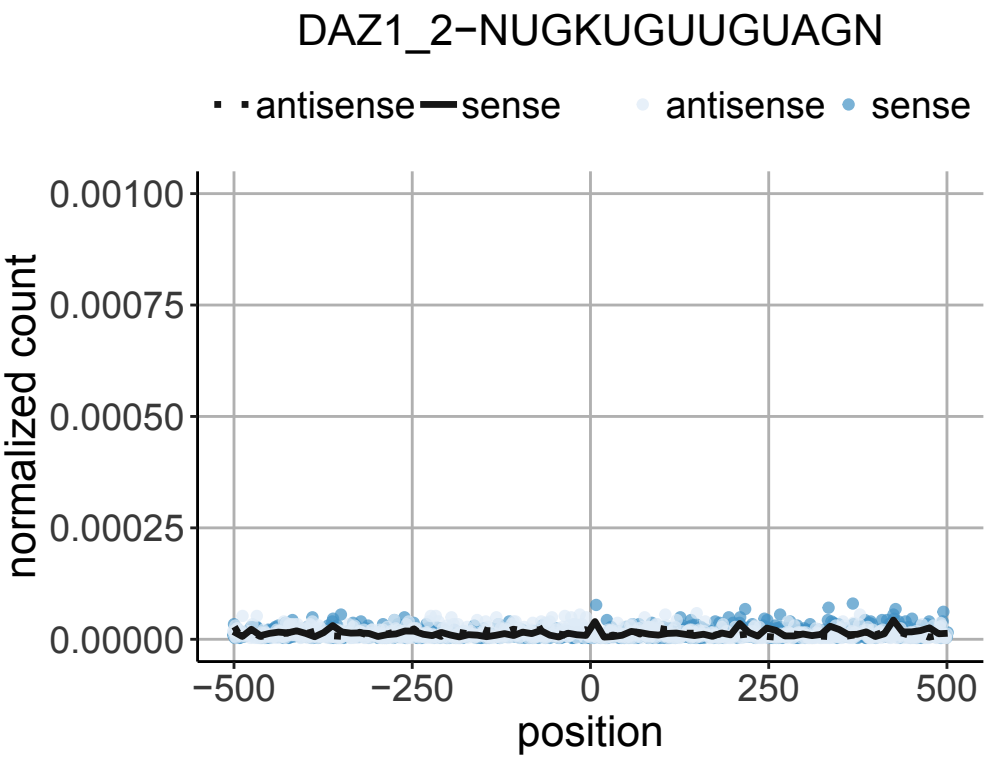
500
position


DAZ1_2−NUGKUGUUGUAGN
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antisense
sense
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normalized count
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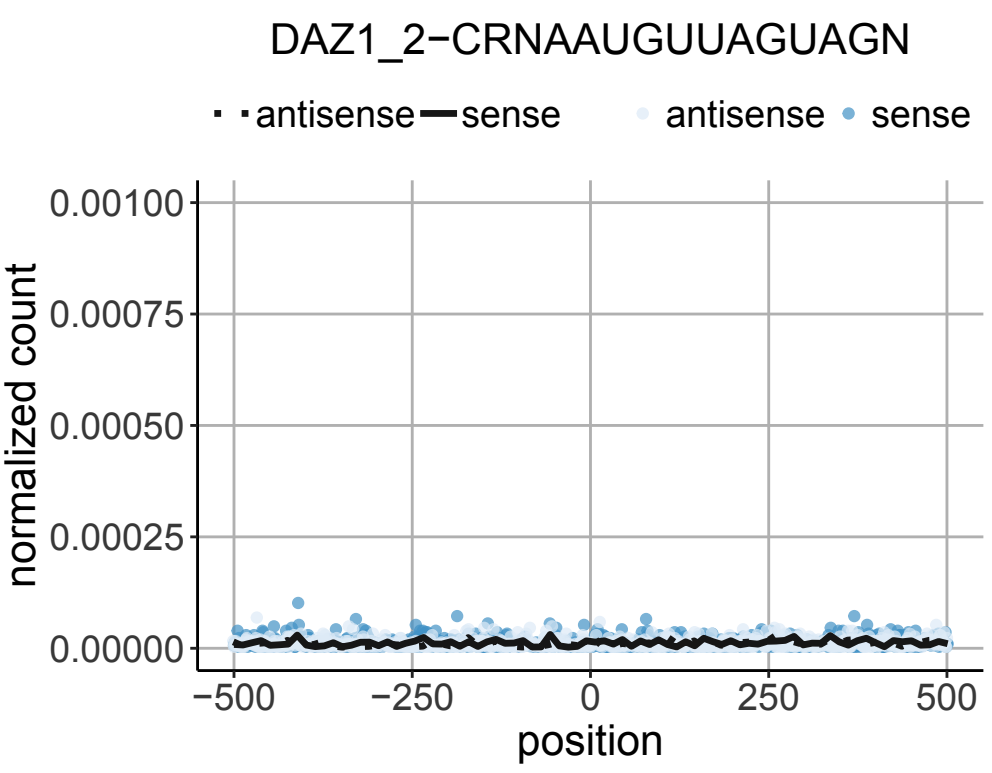
position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sense
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normalized count
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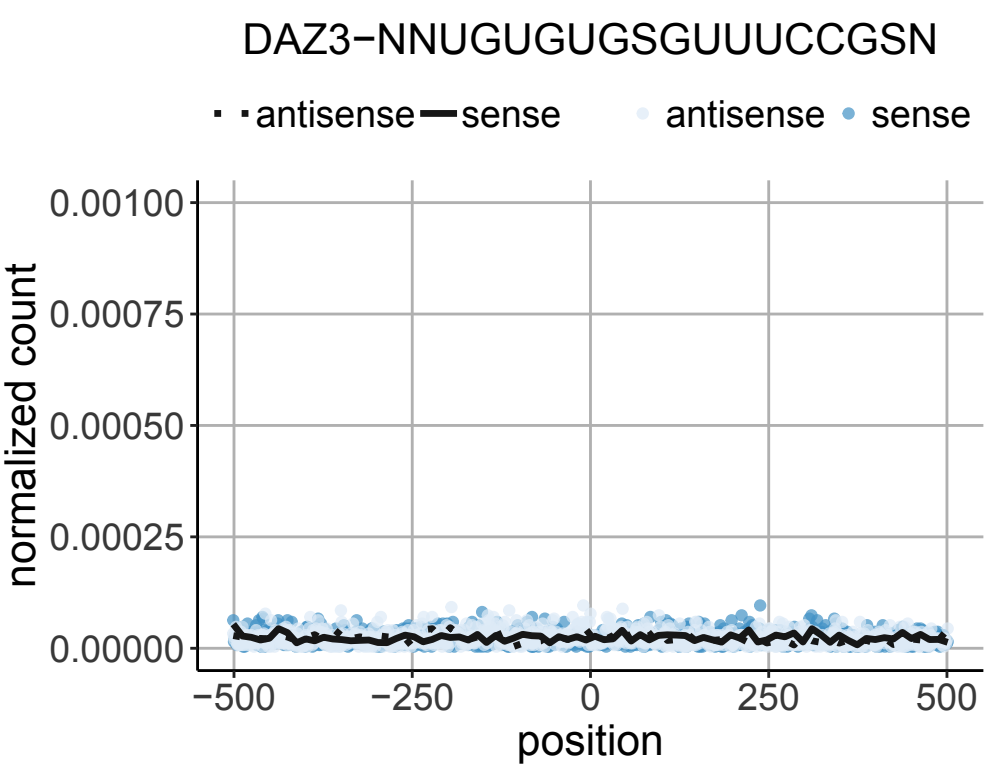
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antisense
sense
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normalized count
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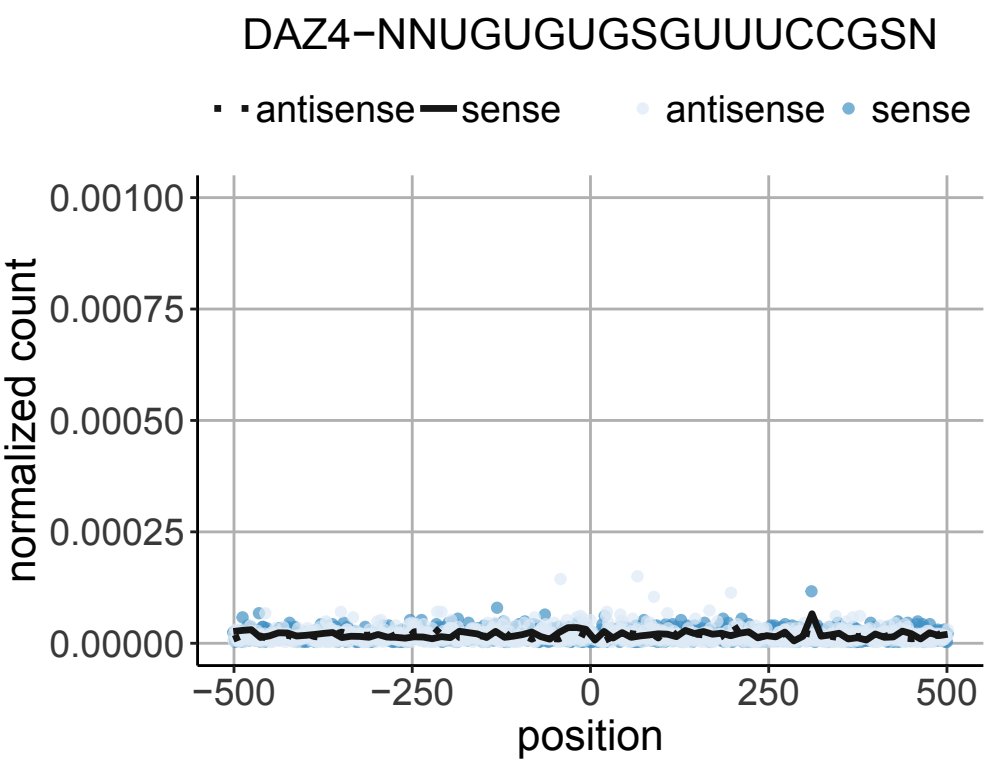
position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sense
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normalized count
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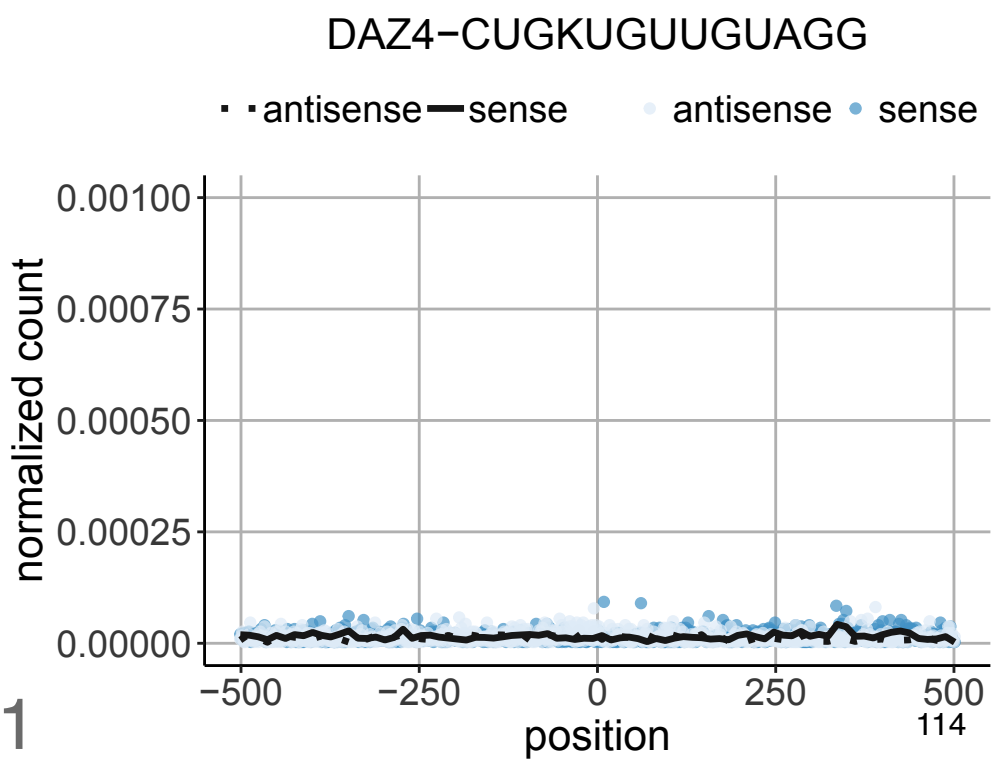
0
250
500
position


DAZ4−CUGKUGUUGUAGG
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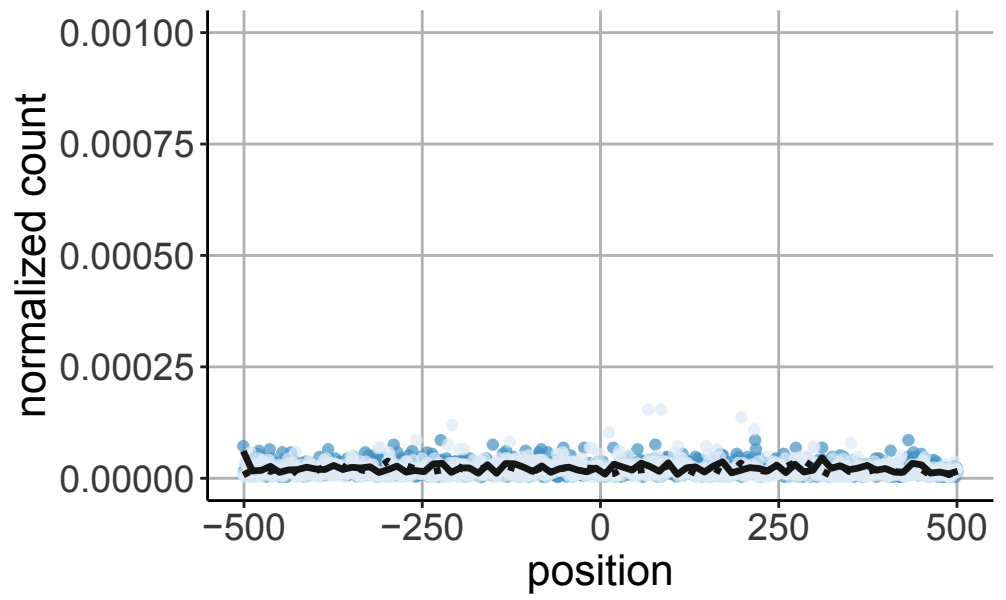
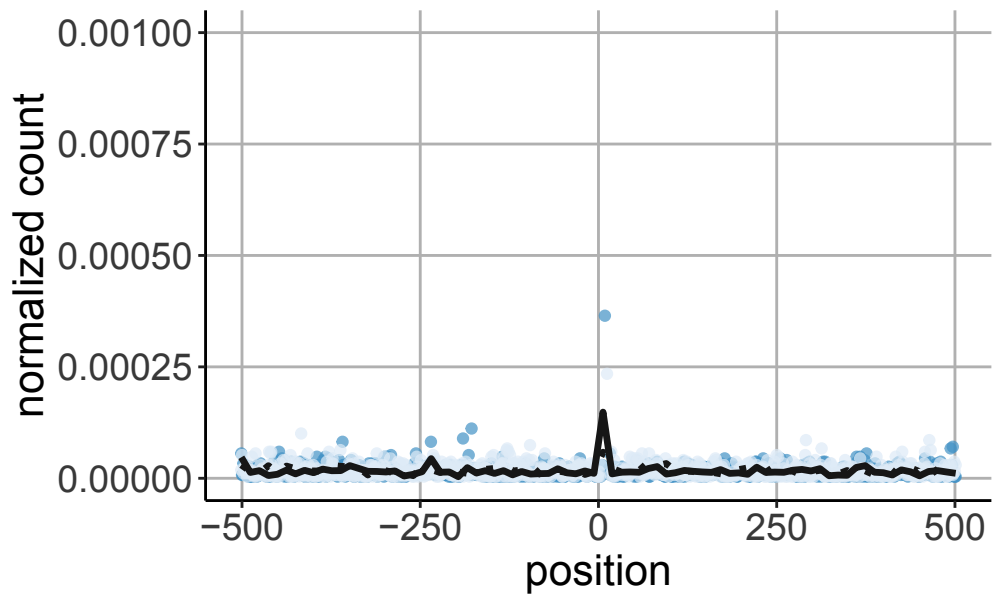
sense
antisense
sense
0.00100
0.00075
0.00050
0.00025
0.00000
normalized count
−500
−250
0
250
500
position

stop codon

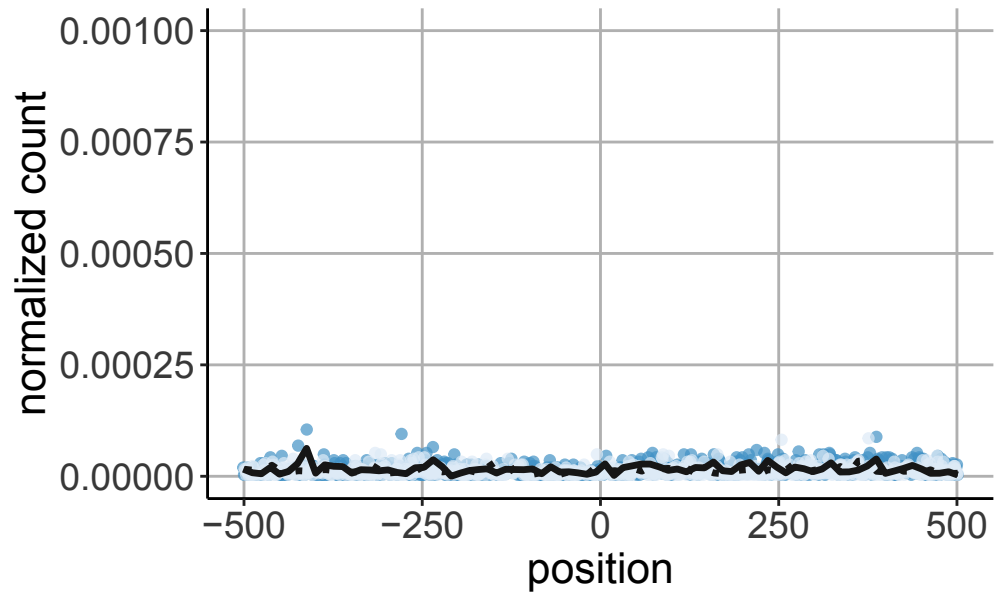
DAZL−NNUGYGUGCGUUUCCGSN



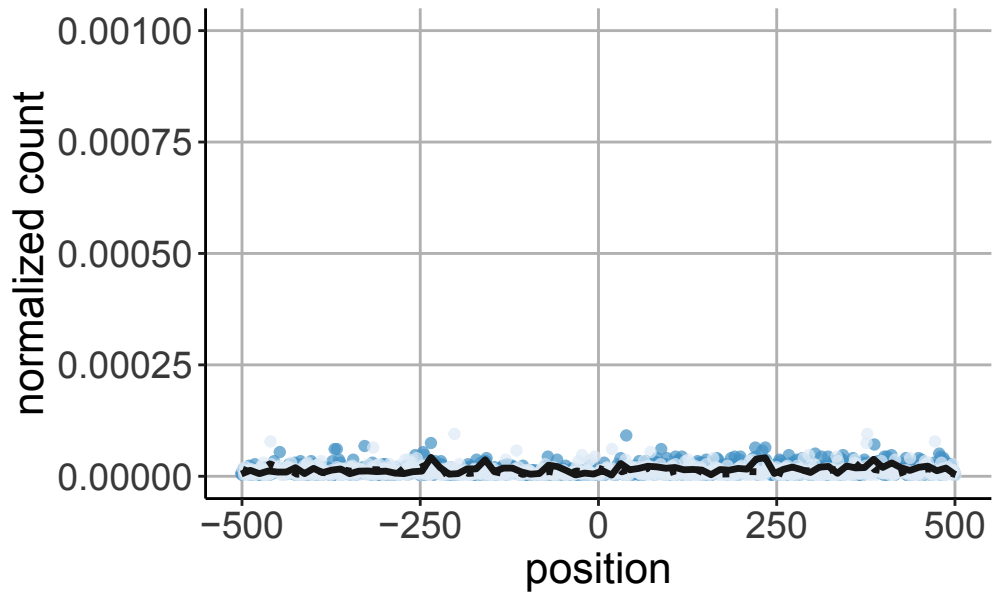

HNRNPA1−NGCAGUUUUAGGGCN



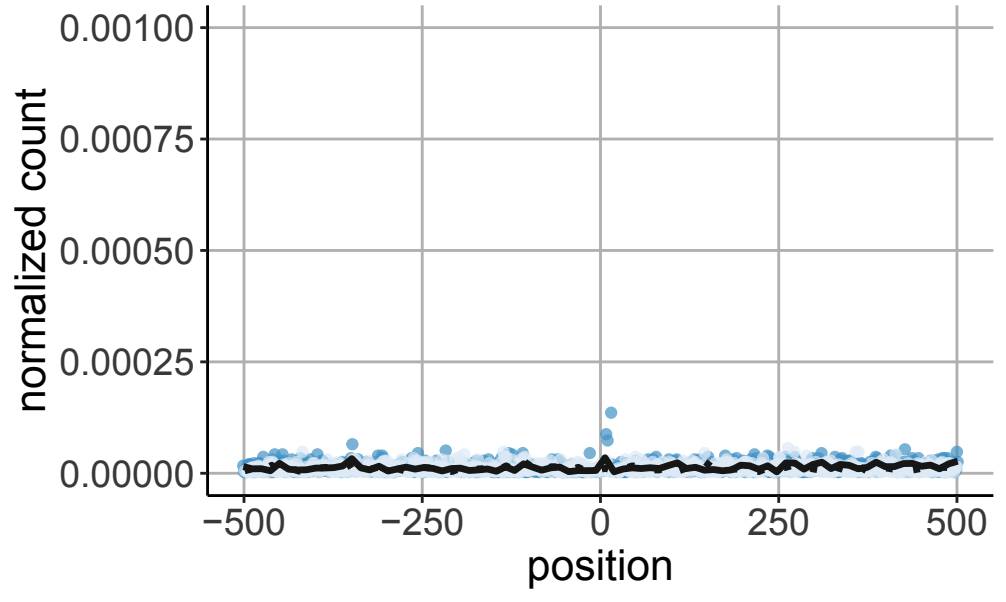

HNRNPC−NGGGUCUNAUUUUUAAN



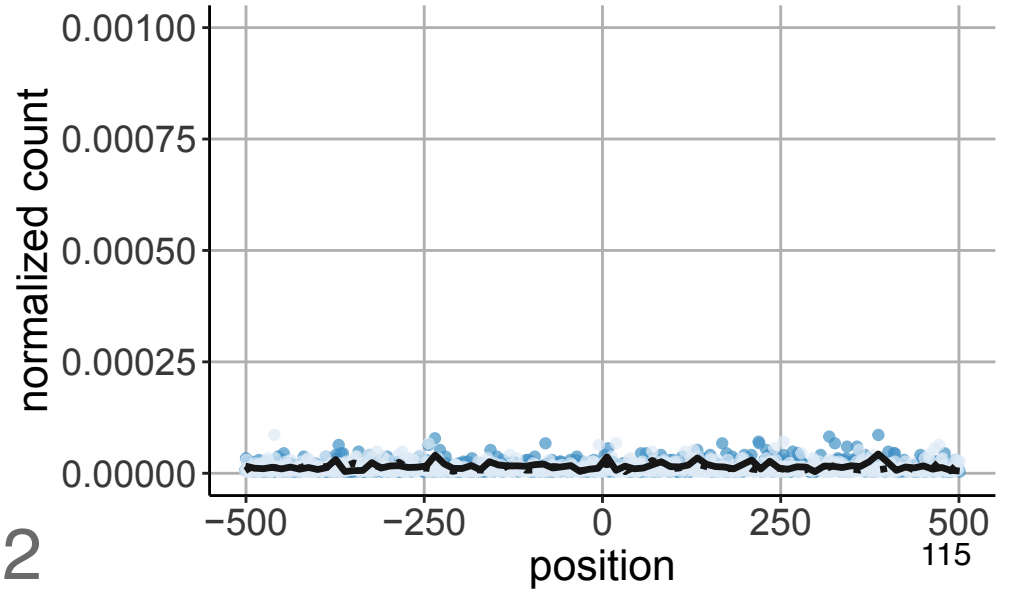

HNRNPCL1−NGGGUCUNAUUUUUAAN




MKRN1−NYGUAAAKUGUAGN

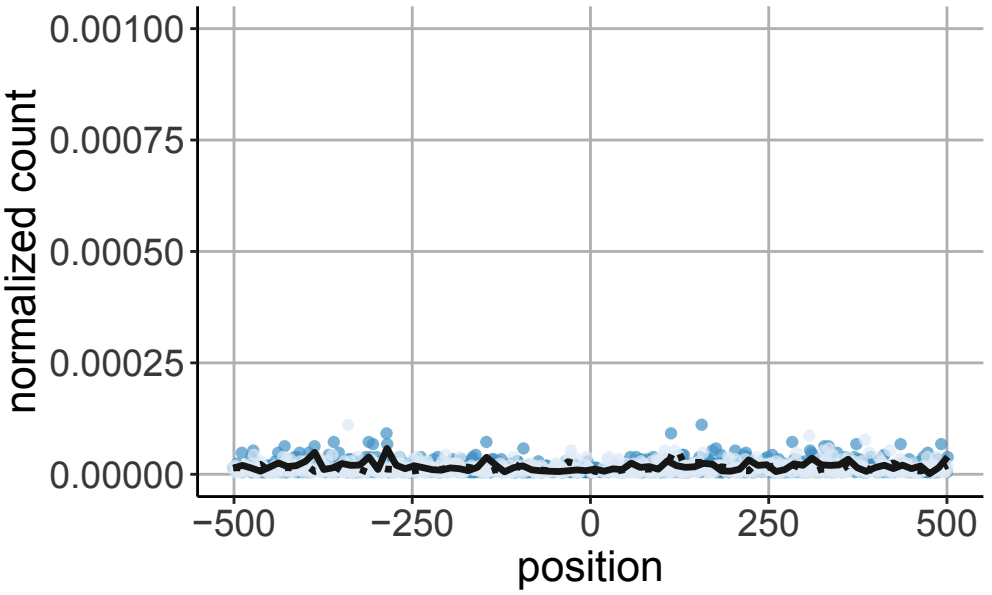



RALY−GGGUCUUWUUUUUAA

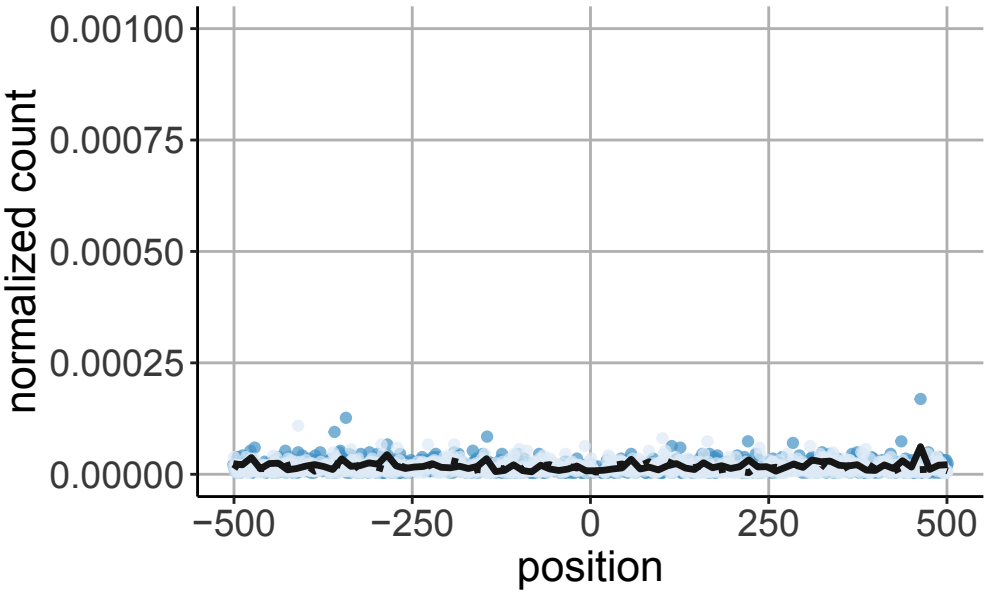


stop codon

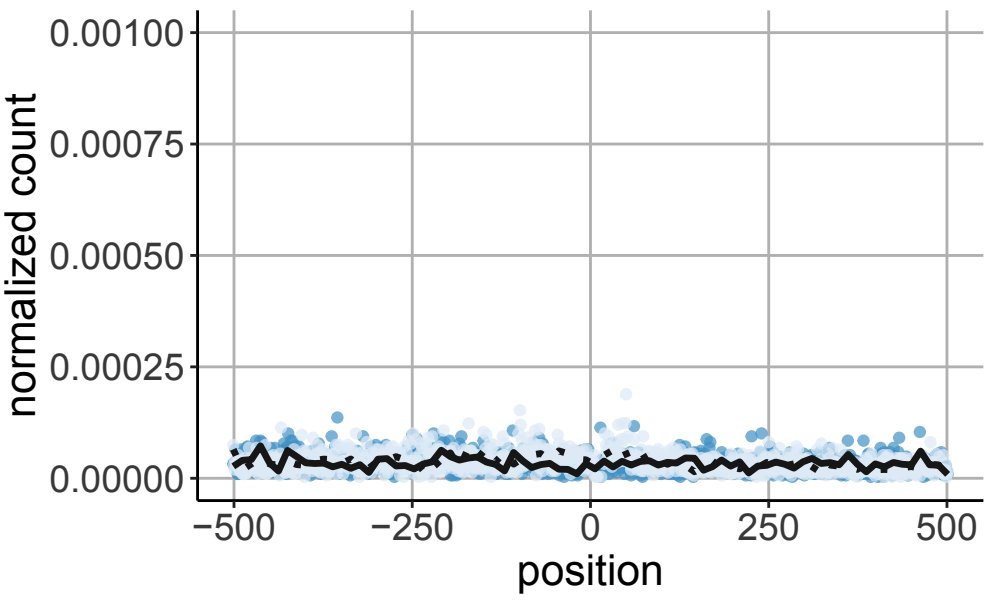
RBFOX1_4−GKUGCAUGUG



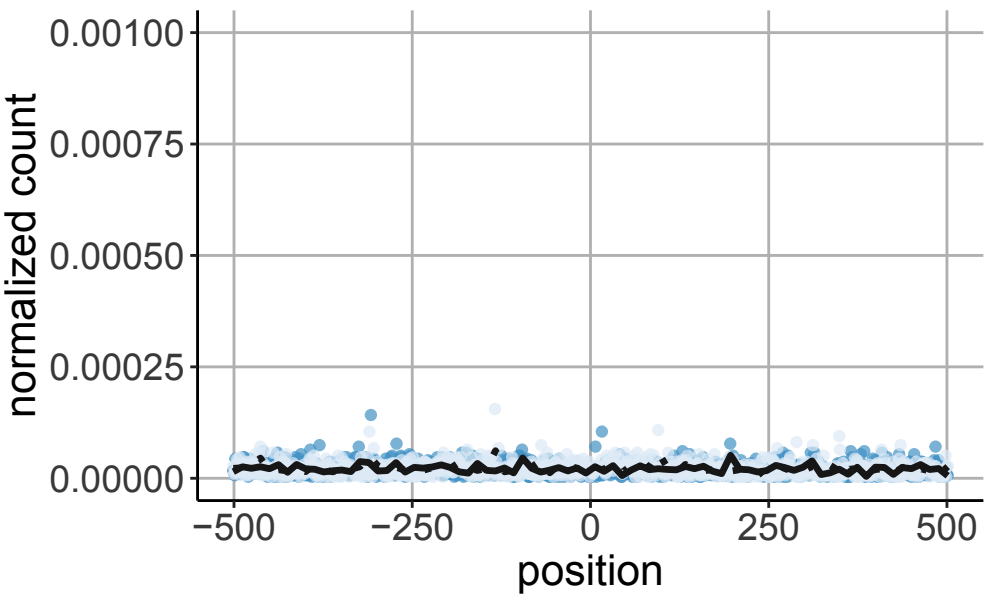

RBFOX3−GUWGCAUGUG



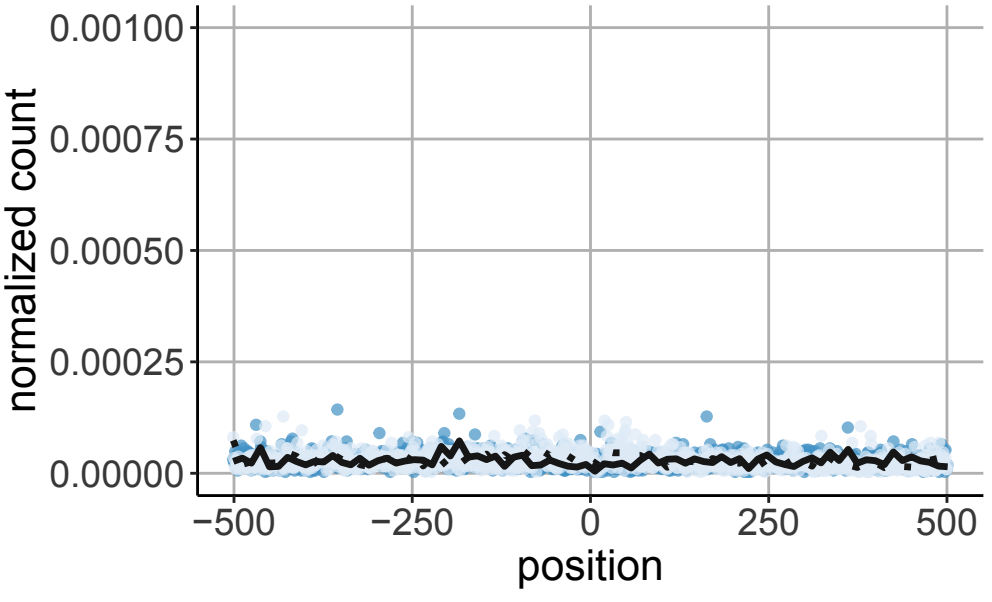

RBM4−KGUUGCGCGGG



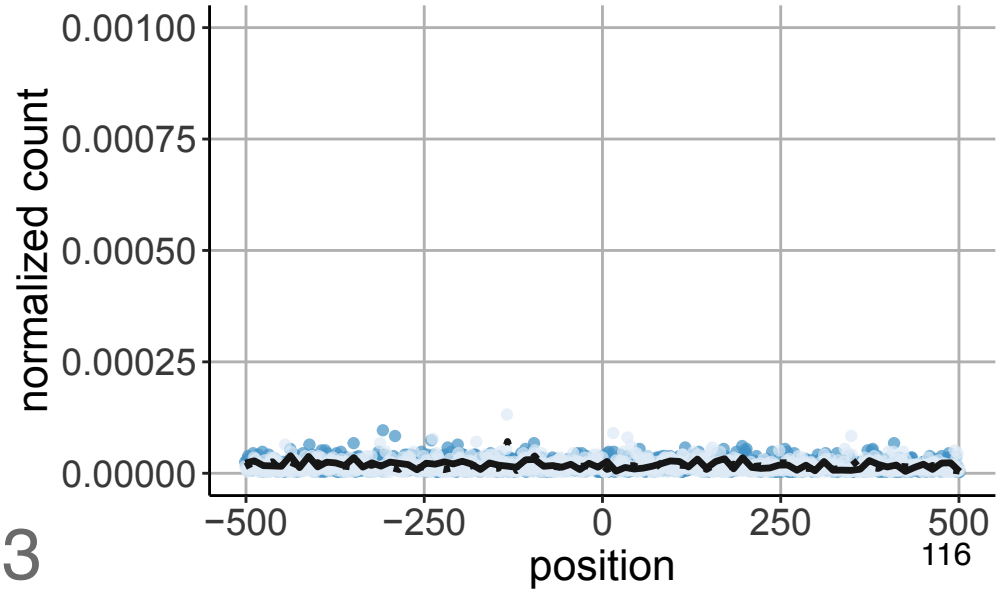

RBM4−UGAGUGCGGUAG




RBM4B−KGUUGCGCGGG

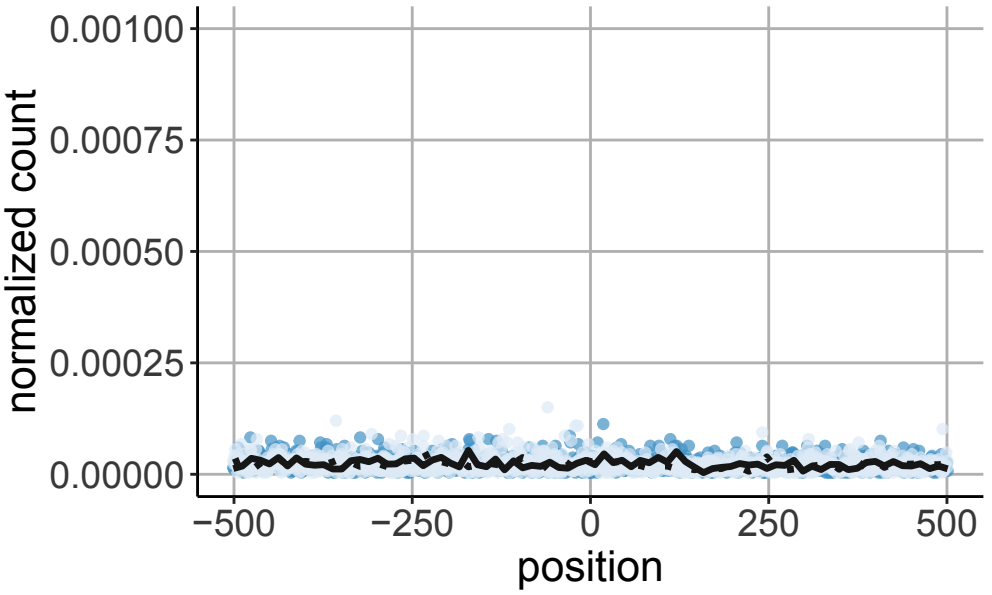



RBM4B−UGAGUGCGGUAG

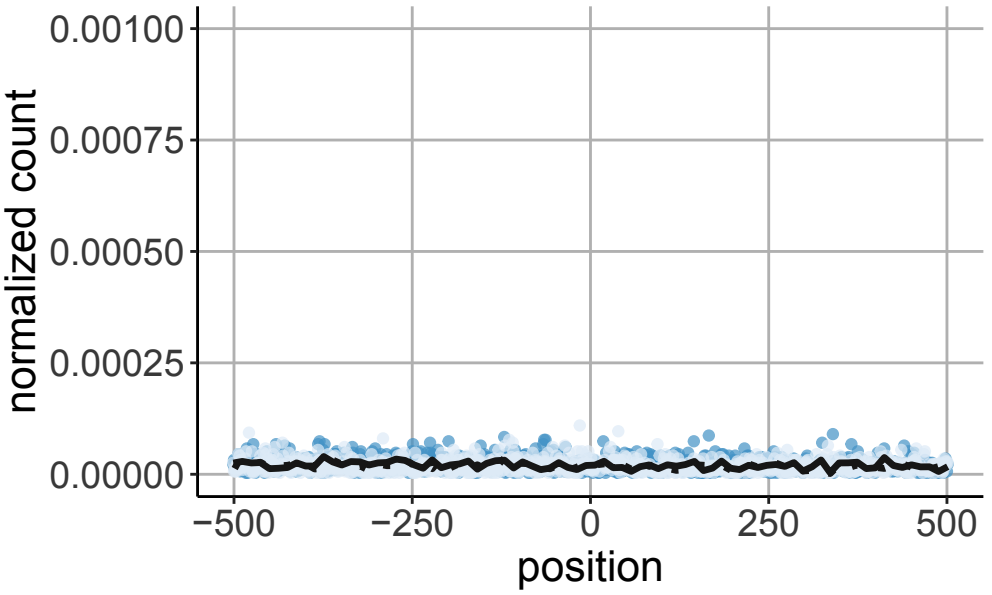


stop codon

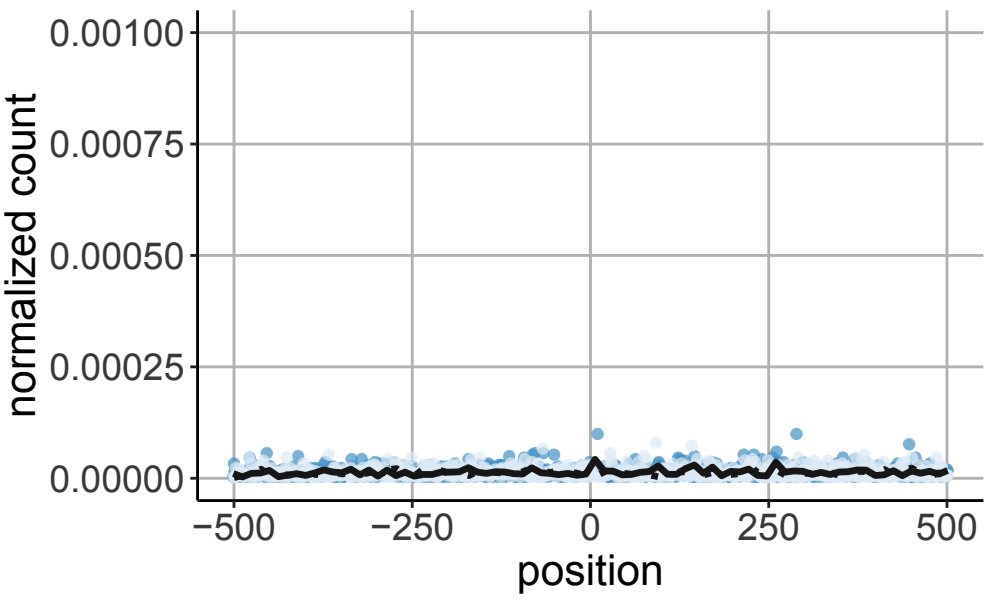
RBM6−YRCGCUCCUNGCY



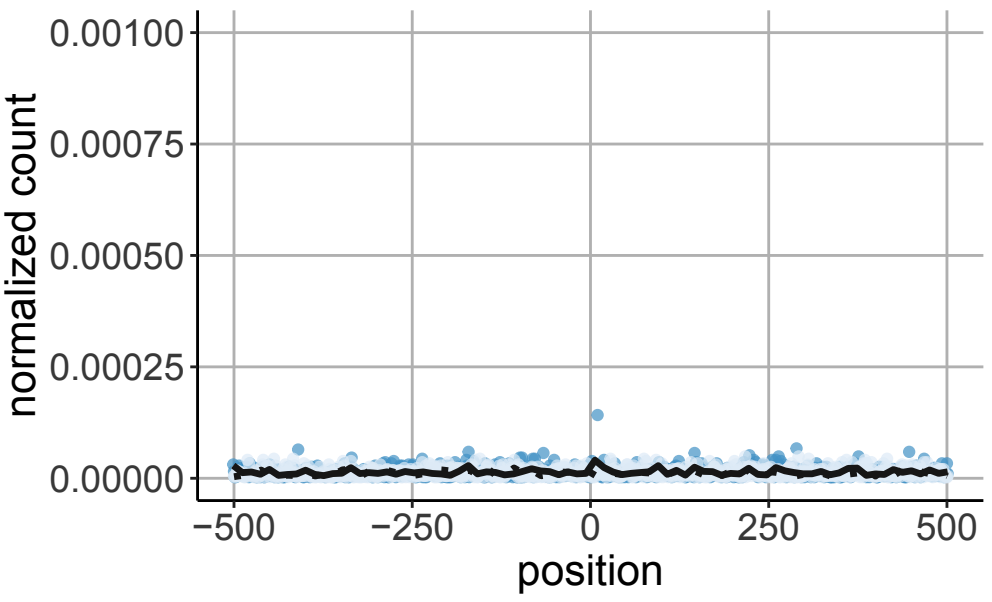

RBM6−YRYGCUCGUGCYN



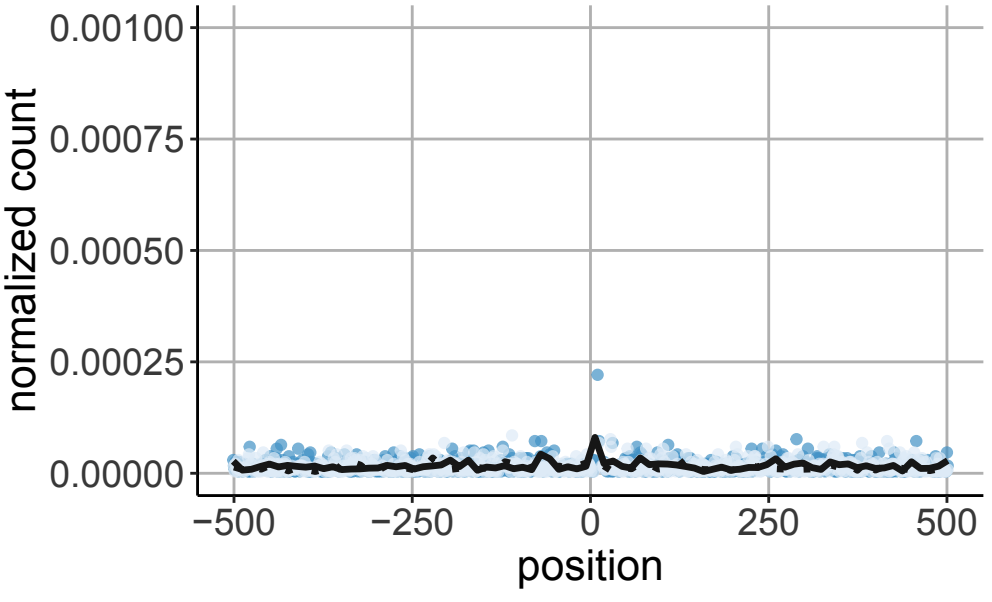

RBMS1−SGUGCAUAAKGCN



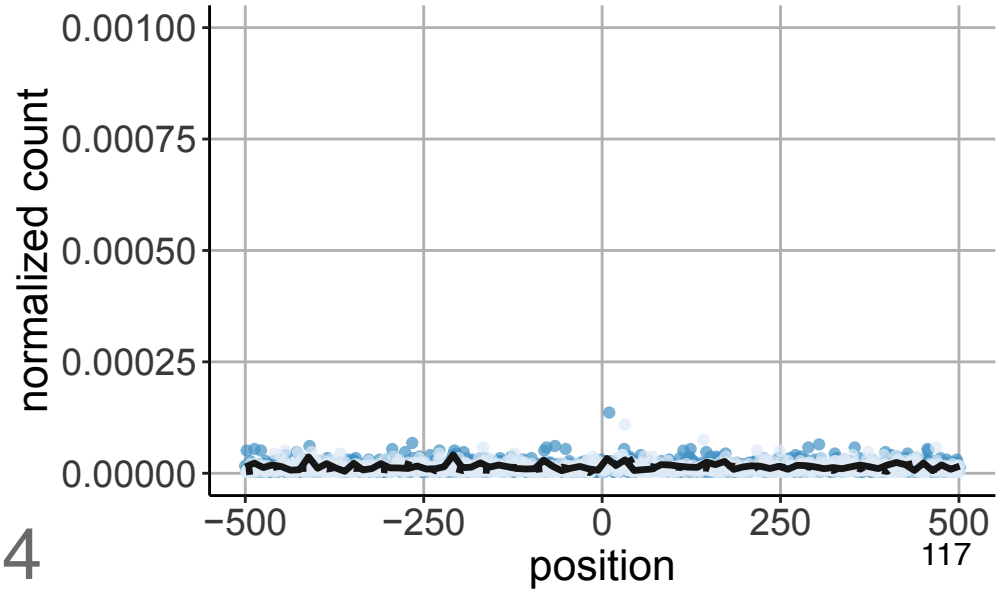

RBMS2−NUGCAUAAUGN




RBMS3−NUGCAUAAUGN

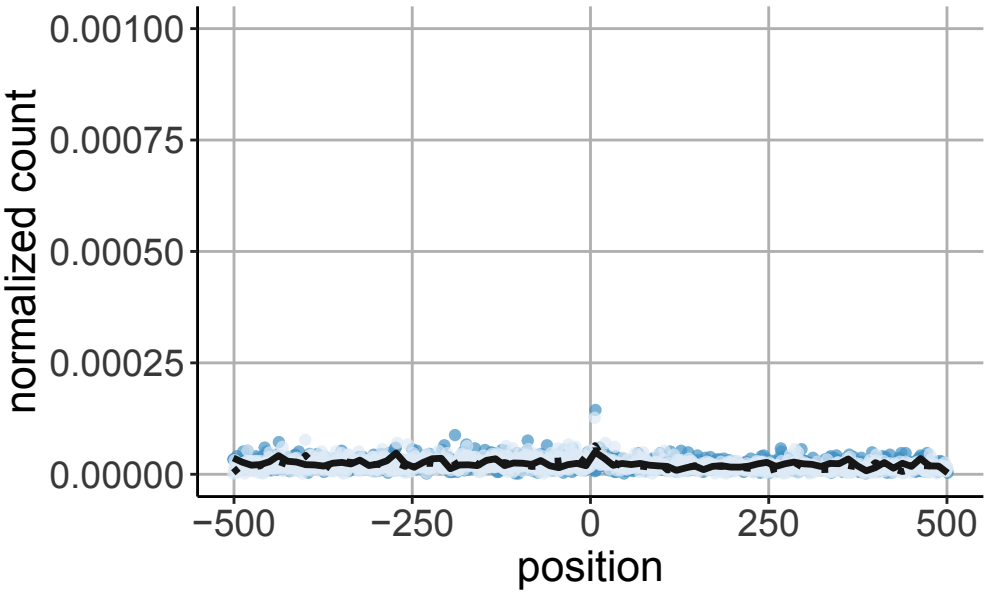



RBMS3−SAUGYAURAKKUG

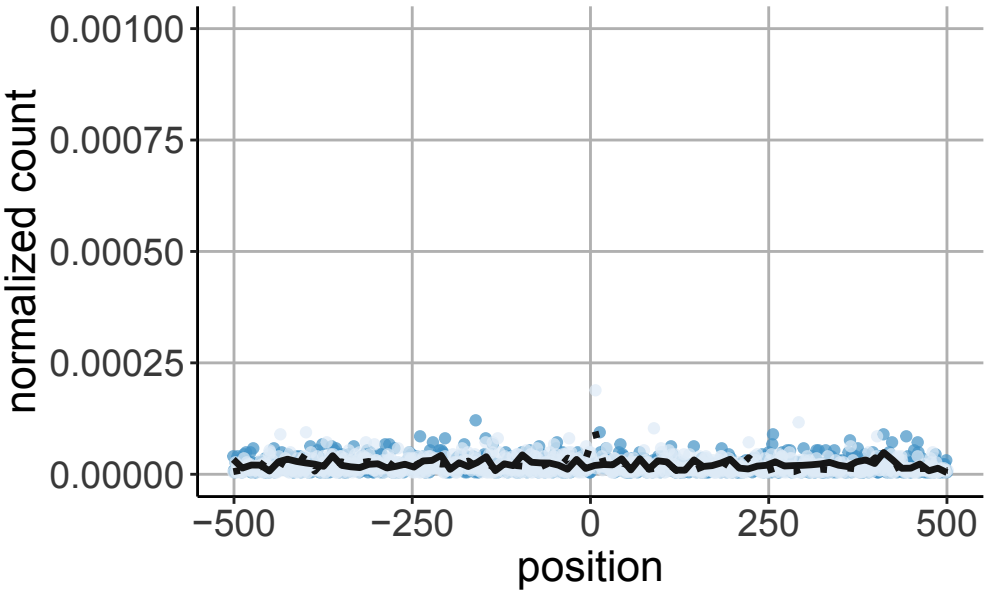


stop codon

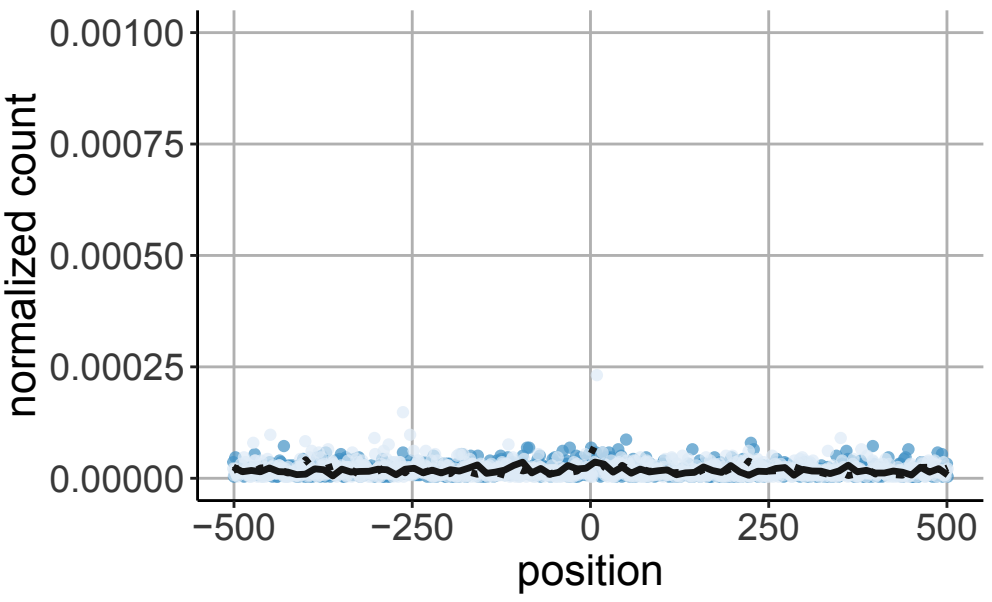
RBMY1E−NGCUUCGNGCN



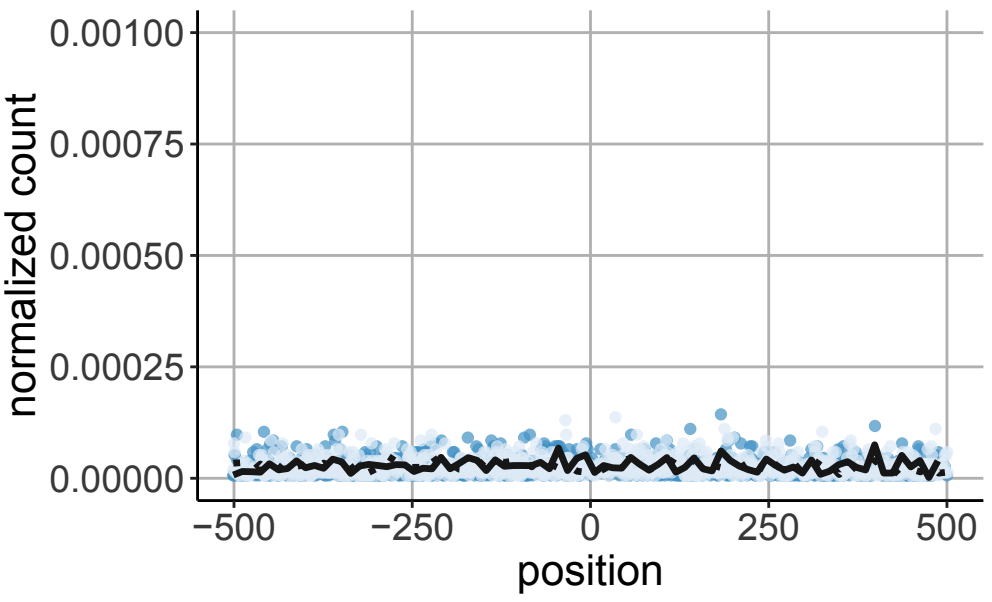

RBMY1E−NAGCUUNGUGCUN



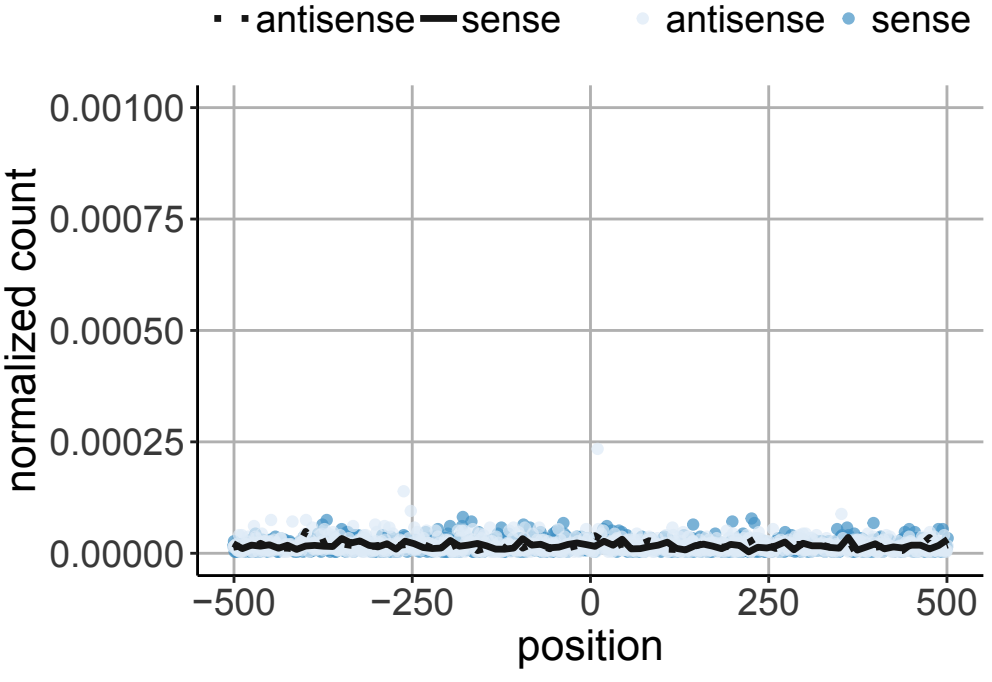

RBMY1F−NGCCCUCAAGGYN




RBMY1F−GCGCAAGAGC




RBMY1J−NGCCCUCAAGGYN

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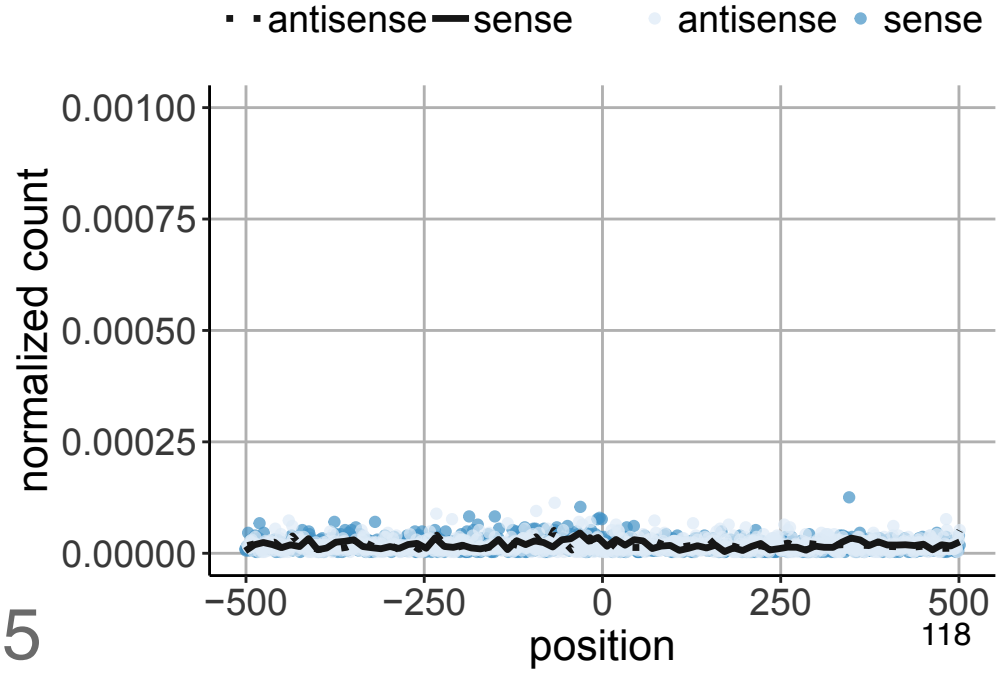
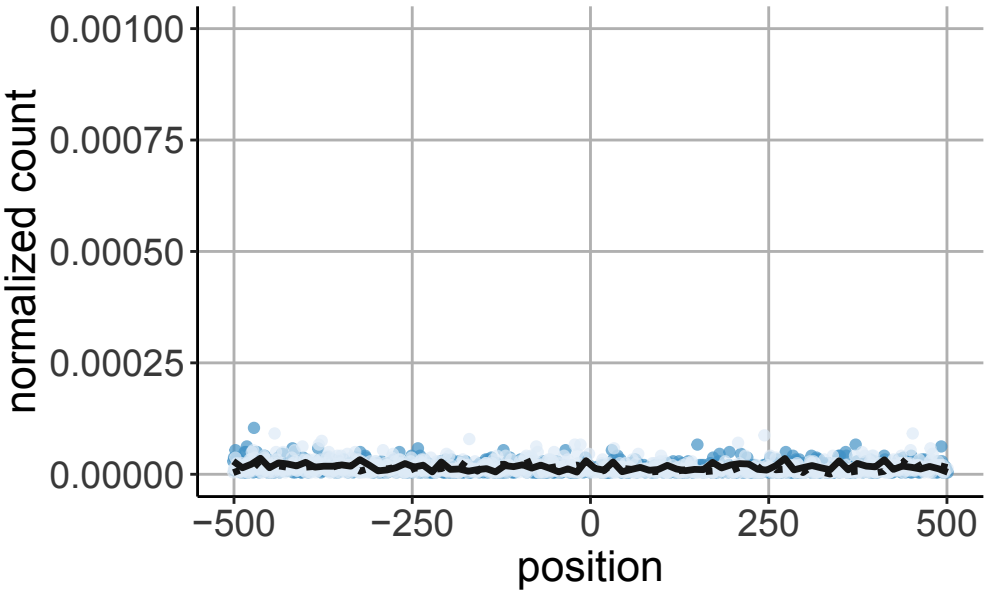


stop codon

RBMY1J−NGCGUCGUGGCN

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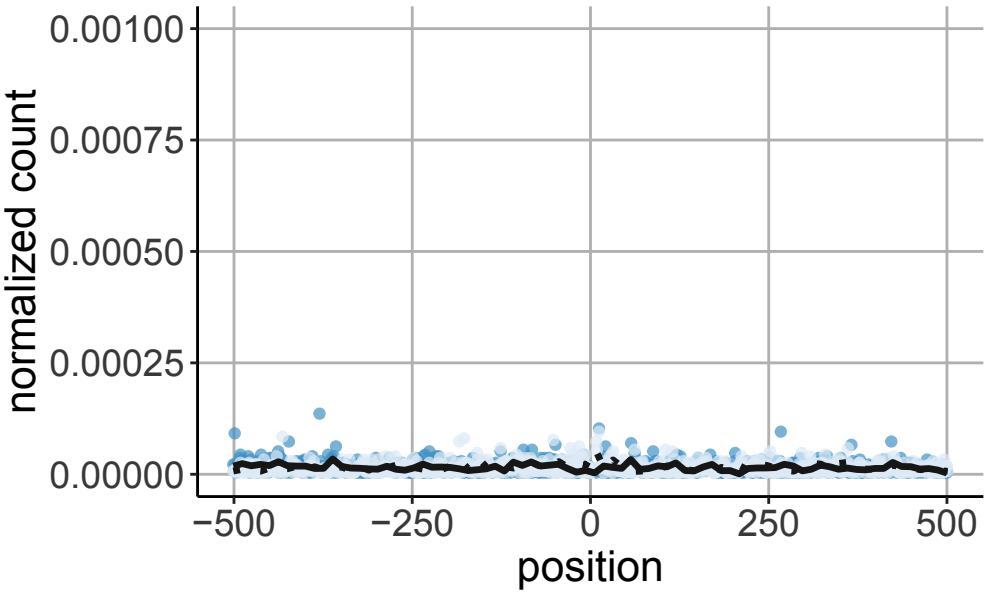


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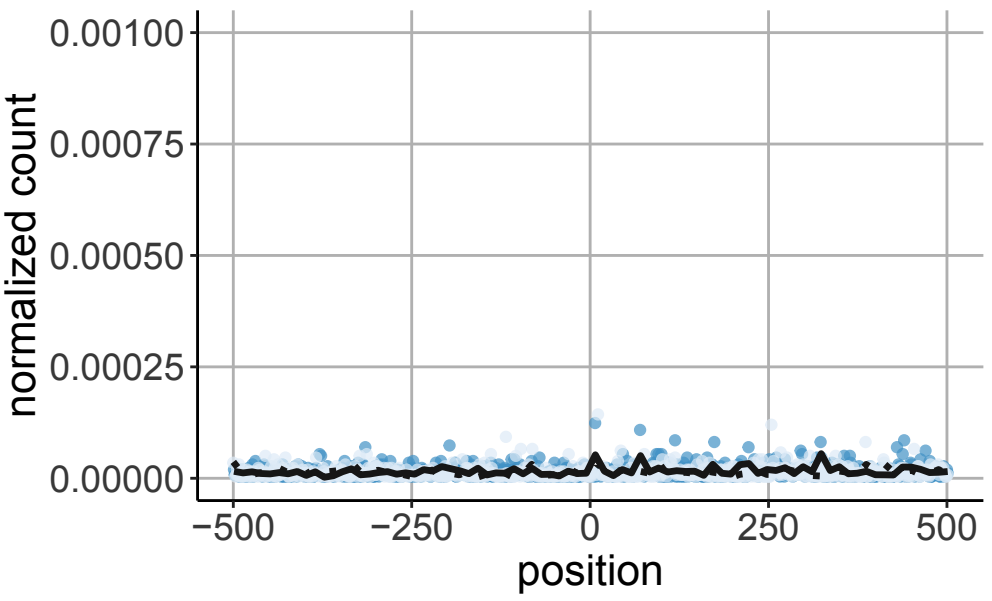


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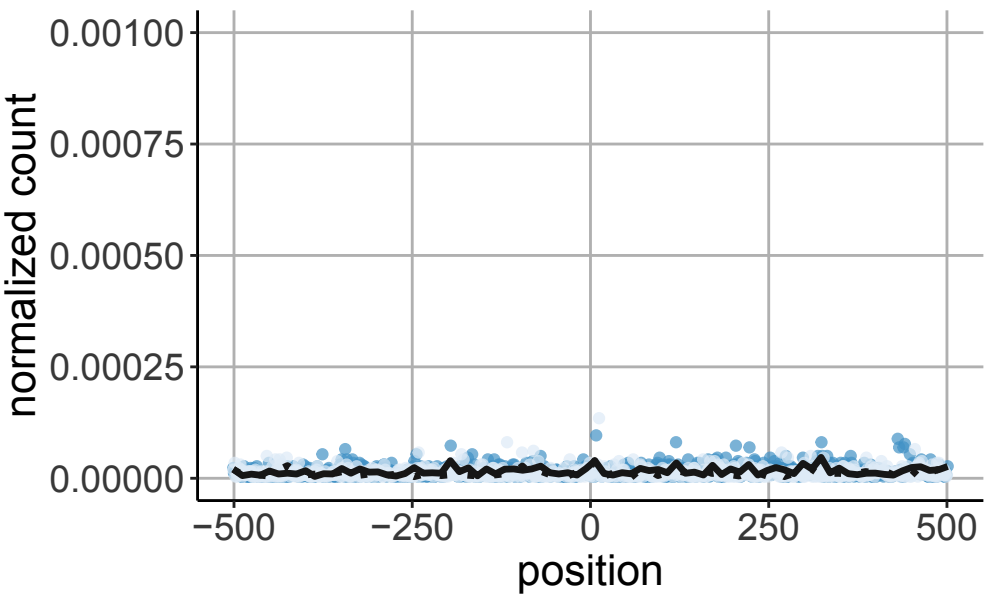


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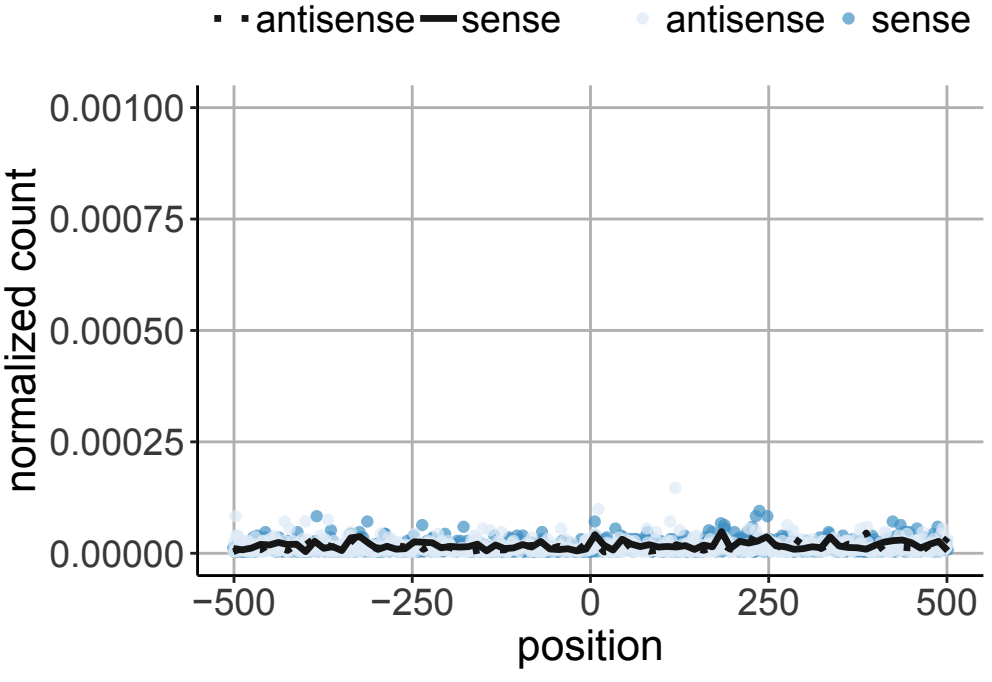


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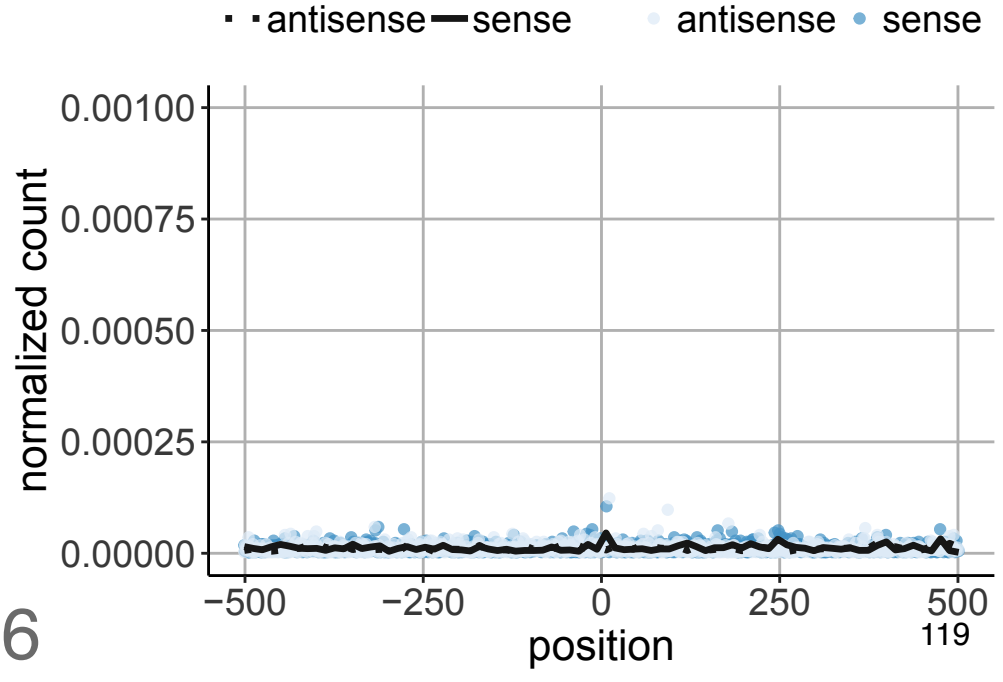

stop codon

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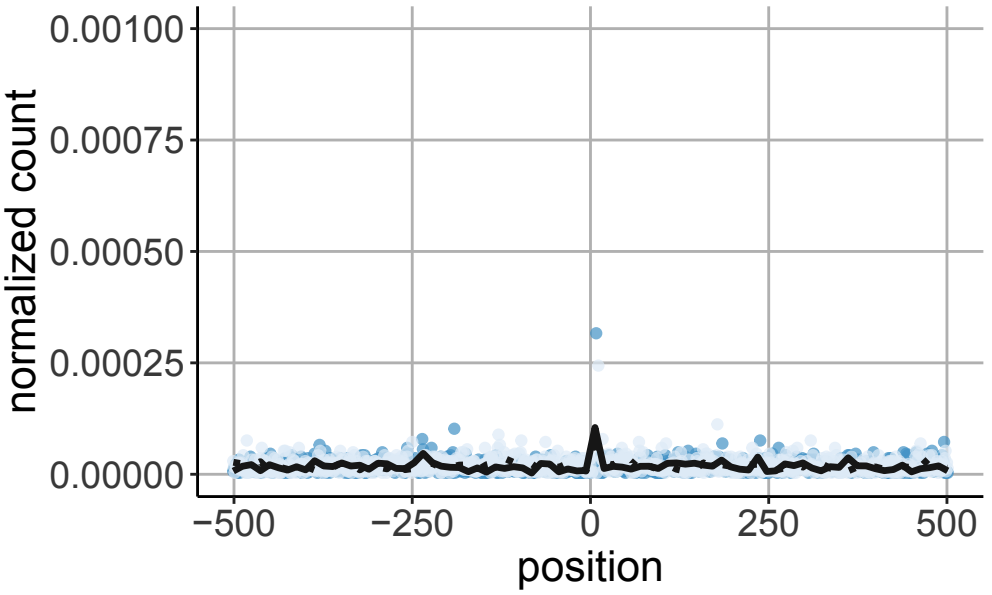


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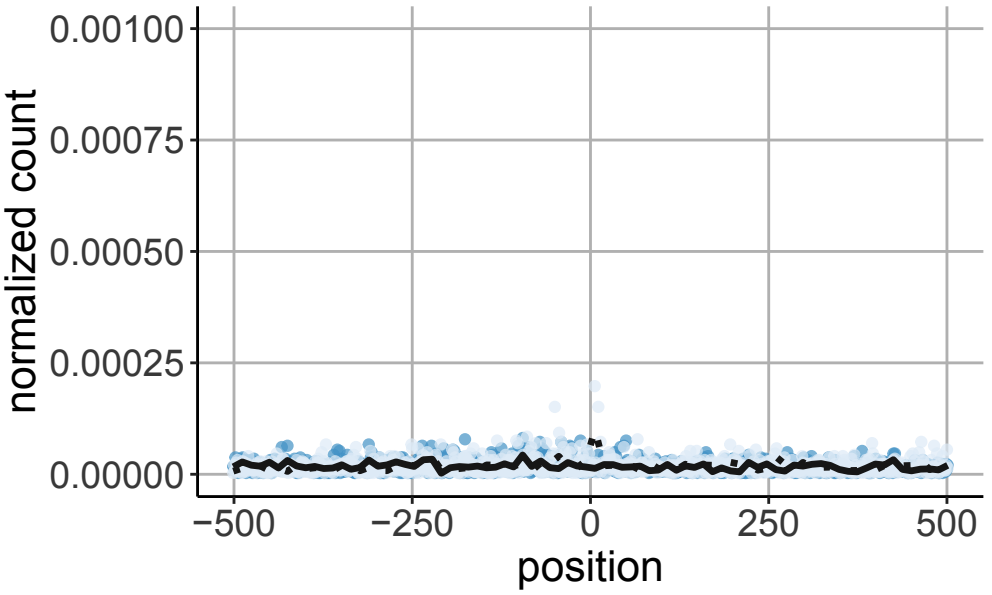


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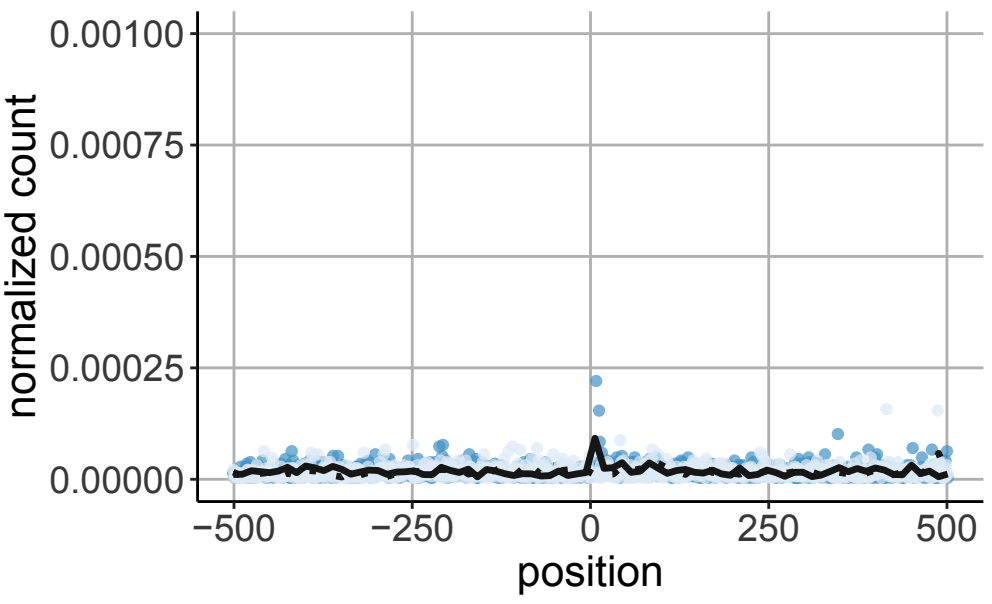


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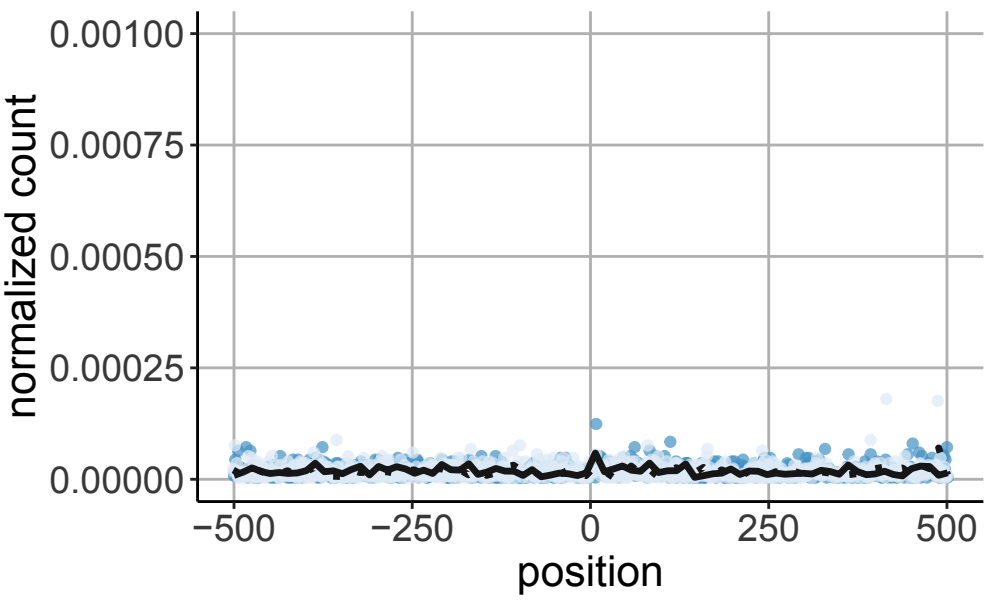

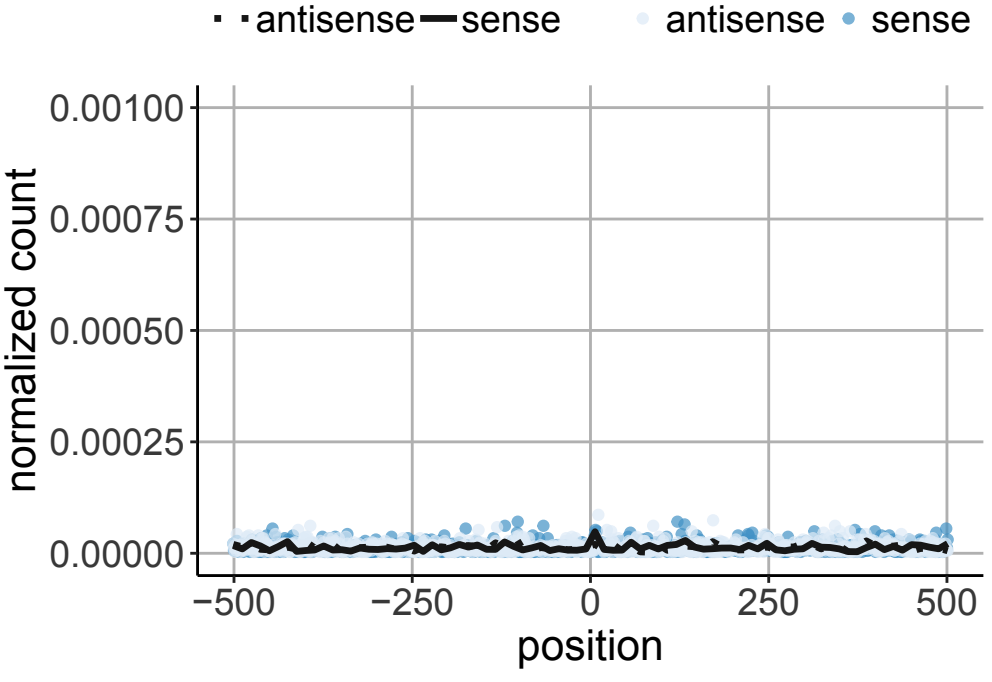
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