Supplementary Figure S1

a

<table>
<thead>
<tr>
<th>mRNA</th>
<th>ncRNA</th>
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<td>Random</td>
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<tr>
<td>Raw</td>
<td>Random</td>
</tr>
</tbody>
</table>

b

Density

0.0 0.2 0.4 0.6 0.74

-20 -15 -10 -5 0 5 10

UPF1 association score

- IncRNA
- 3'UTR fragment
Supplementary Figure S4

(a) PCG_3'UTR, PCG_CDS, PCG_5'UTR, lncRNA, miRNA, snoRNA, snRNA, rRNA, miscRNA, intron

(b) Peaks assigned (%)

(c) Peaks assigned (%)

(d) Peaks assigned (%)

(e) Peaks assigned (%)

(f) Peaks assigned (%)

(g) Reads / Total mapped reads (%)

(h) Reads mapped to IncRNA (%)
Supplementary Figure S5

(a) Sensitivity and 1-specificity plot with Train (0.78) and Test (0.79) curves.

(b) 1 kbfat sequence with CLIP-seq and RNA-seq tracks showing Gm15832, Rnf149, and Snord48.