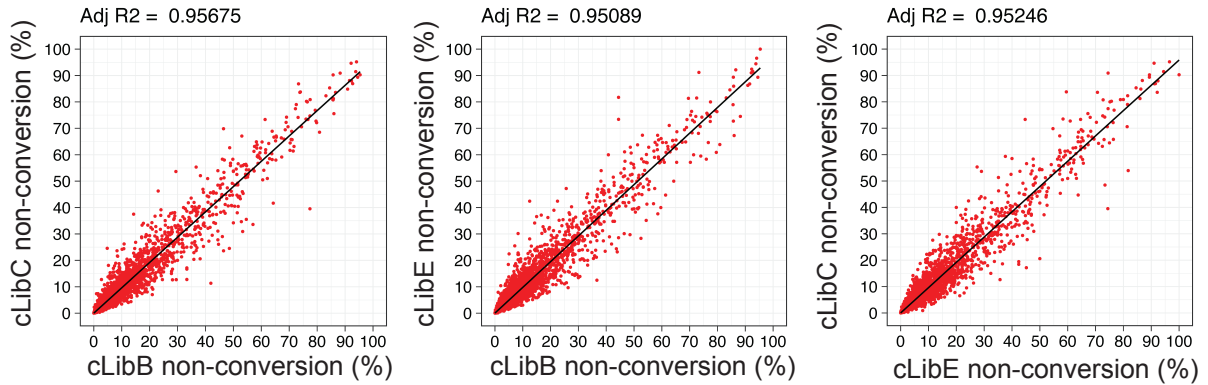


**Figure S4:**

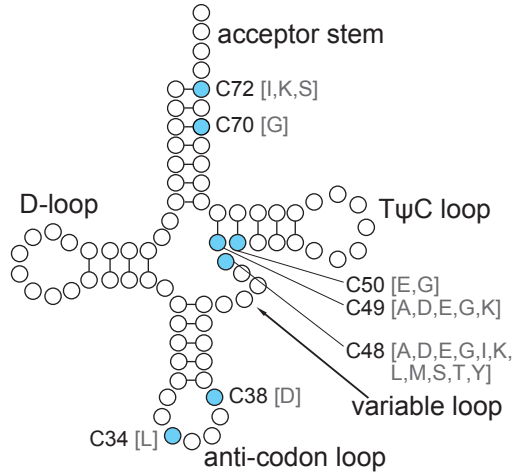
**A** 3C & S/N90 and 80CT, 30RC, 5C



**B** 80CT, 30RC, 5C, 10MM

candidate sites	Raw data	3C filter	3C & S/N90 filter
rRNA	885	34	5
tRNA	177	156	119
spike-ins	0	0	0
transcriptome	8,250	1,808	1,034

**C**



**D**

	A	G	U	C	
A	AAA tRNA <sup>Phe</sup>	AGA	AUA tRNA <sup>Tyr</sup>	ACA tRNA <sup>Cys</sup>	A
G	GAA	GGA tRNA <sup>Ser</sup>	GUA	GCA	
U	UAA tRNA <sup>Leu</sup>	UGA	UUA tRNA <sup>Sup</sup>	UCA tRNA <sup>Sup</sup>	
C	CAA	CGA	CUA	CCA tRNA <sup>Trp</sup>	
A	AAG	AGG	AUG tRNA <sup>His</sup>	ACG	G
G	GAG tRNA <sup>Leu</sup>	GGG tRNA <sup>Pro</sup>	GUG	GCG tRNA <sup>Arg</sup>	
U	UAG	UGG tRNA <sup>Gln</sup>	UUG tRNA <sup>Gln</sup>	UCG tRNA <sup>Arg</sup>	
C	CAG	CGG	CUG	CCG	
A	AAU	AGU	AUU tRNA <sup>Asn</sup>	ACU tRNA <sup>Ser</sup>	U
G	GAU tRNA <sup>Ile</sup>	GGU tRNA <sup>Thr</sup>	GUU	GCU tRNA <sup>Ser</sup>	
U	UAU	UGU	UUU tRNA <sup>Lys</sup>	UCU tRNA <sup>Arg</sup>	
C	CAU tRNA <sup>Met</sup>	CGU	CUU	CCU tRNA <sup>Arg</sup>	
A	AAC	AGC	AUC tRNA <sup>Asp</sup>	ACC	C
G	GAC tRNA <sup>Val</sup>	GGC tRNA <sup>Ala</sup>	GUC	GCC tRNA <sup>Gly</sup>	
U	UAC	UGC tRNA <sup>Glu</sup>	UUC	UCC tRNA <sup>Gly</sup>	
C	CAC	CGC	CUC	CCC	