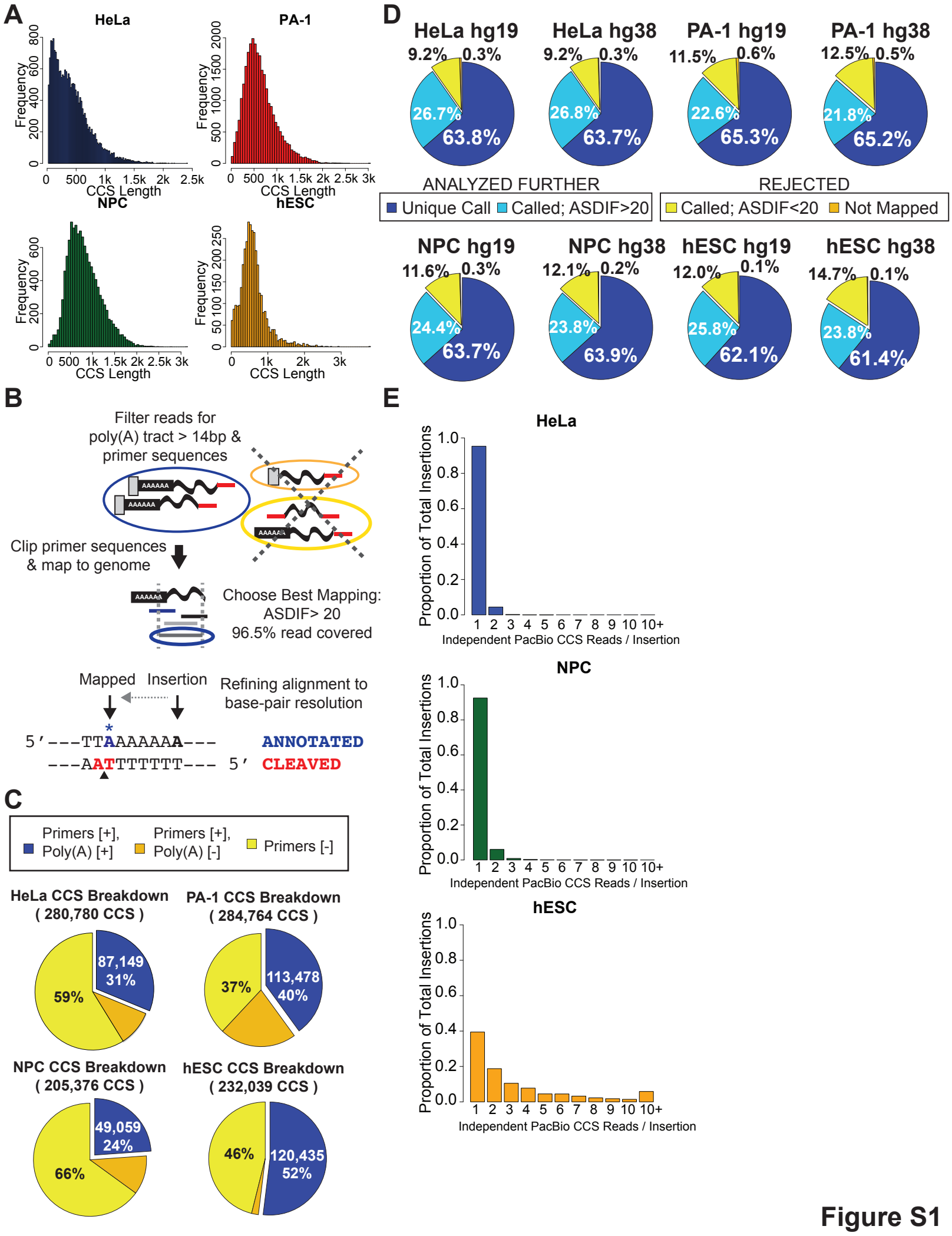
A
HeLa
PA-1
NPC
hESC
Frequency
CCS Length
B
Filter reads for poly(A) tract > 14bp & primer sequences
AAAAAA
Clip primer sequences & map to genome
Choose Best Mapping: ASDIF> 20 96.5% read covered
Mapped
Insertion
Refining alignment to base-pair resolution
5′---TTAAAAAAA---
---AATTTTTTT--- 5′
ANNOTATED
CLEAVED
C
Primers [+], Poly(A) [+]
Primers [+], Poly(A) [-]
Primers [-]
HeLa CCS Breakdown (280,780 CCS)
87,149 31%
59%
PA-1 CCS Breakdown (284,764 CCS)
113,478 40%
37%
NPC CCS Breakdown (205,376 CCS)
49,059 24%
66%
hESC CCS Breakdown (232,039 CCS)
120,435 52%
46%
D
HeLa hg19
9.2% 0.3% 26.7% 63.8%
HeLa hg38
9.2% 0.3% 26.8% 63.7%
PA-1 hg19
11.5% 0.6% 22.6% 65.3%
PA-1 hg38
12.5% 0.5% 21.8% 65.2%
ANALYZED FURTHER
Unique Call
Called; ASDIF>20
REJECTED
Called; ASDIF<20
Not Mapped
NPC hg19
11.6% 0.3% 24.4% 63.7%
NPC hg38
12.1% 0.2% 23.8% 63.9%
hESC hg19
12.0% 0.1% 25.8% 62.1%
hESC hg38
14.7% 0.1% 23.8% 61.4%
E
HeLa
NPC
hESC
Proportion of Total Insertions
Independent PacBio CCS Reads / Insertion

Figure S1