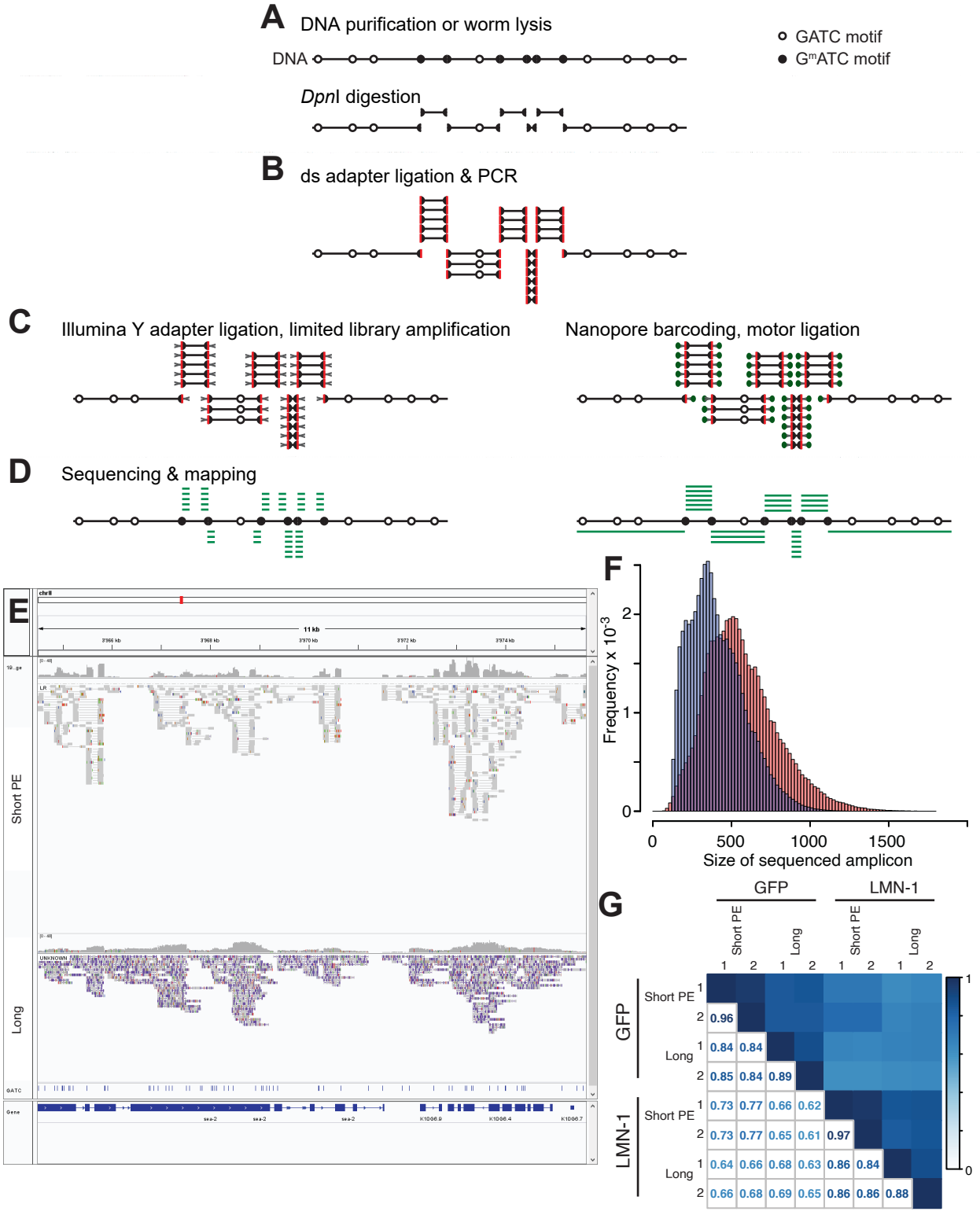
Figure S1


A
DNA purification or worm lysis
DNA
GATC motif
GmATC motif
DpnI digestion
B
ds adapter ligation & PCR
C
Illumina Y adapter ligation, limited library amplification
Nanopore barcoding, motor ligation
D
Sequencing & mapping
E
chrII
11 kb
Short PE
Long
GATC
Gene
F
Frequency x 10-3
Size of sequenced amplicon
G
GFP
LMN-1
Short PE
Long
0.96
0.84 0.84
0.85 0.84 0.89
0.73 0.77 0.66 0.62
0.73 0.77 0.65 0.61 0.97
0.64 0.66 0.68 0.63 0.86 0.84
0.66 0.68 0.69 0.65 0.86 0.86 0.88