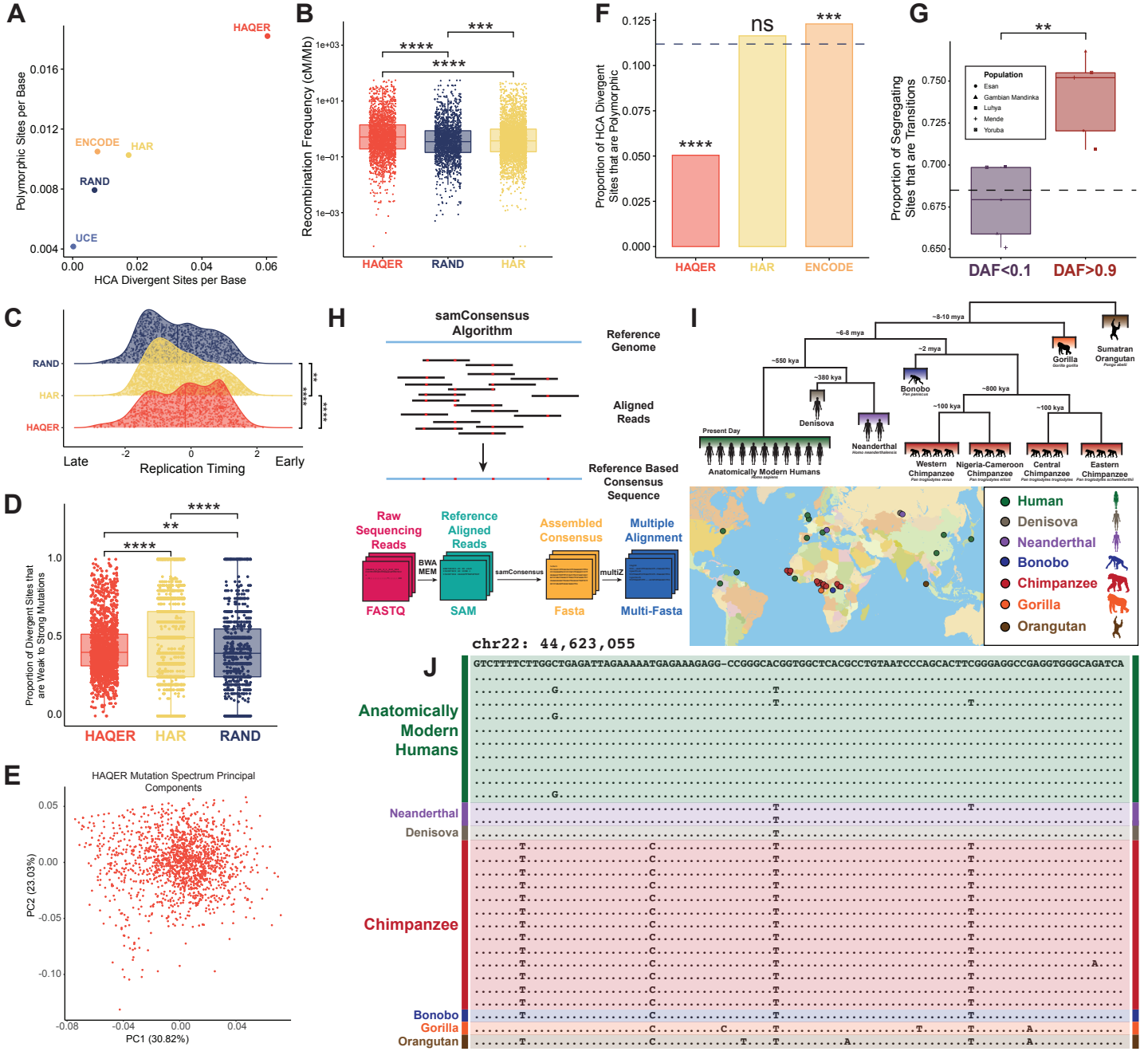
A
HAQER
ENCODE
HAR
RAND
UCE
Polymorphic Sites per Base
HCA Divergent Sites per Base
B
Recombination Frequency (cM/Mb)
HAQER
RAND
HAR
C
RAND
HAR
HAQER
Late
Replication Timing
Early
D
Proportion of Divergent Sites that are Weak to Strong Mutations
HAQER
HAR
RAND
E
HAQER Mutation Spectrum Principal Components
PC2 (23.03%)
PC1 (30.82%)
F
Proportion of HCA Divergent Sites that are Polymorphic
ns
HAQER
HAR
ENCODE
G
Proportion of Segregating Sites that are Transitions
Population
Esan
Gambian Mandinka
Luhya
Mende
Yoruba
DAF<0.1
DAF>0.9
H
samConsensus Algorithm
Reference Genome
Aligned Reads
Reference Based Consensus Sequence
Raw Sequencing Reads
Reference Aligned Reads
Assembled Consensus
Multiple Alignment
BWA MEM
samConsensus
multiZ
FASTQ
SAM
Fasta
Multi-Fasta
I
Present Day
Anatomically Modern Humans
Denisova
Neanderthal
Bonobo
Gorilla
Sumatran Orangutan
Western Chimpanzee
Nigeria-Cameroon Chimpanzee
Central Chimpanzee
Eastern Chimpanzee
Human
Denisova
Neanderthal
Bonobo
Chimpanzee
Gorilla
Orangutan
chr22: 44,623,055
J
Anatomically Modern Humans
Neanderthal
Denisova
Chimpanzee
Bonobo
Gorilla
Orangutan