

Individual B: unmethylated

Sphi-HF cutsite
GCATG^C

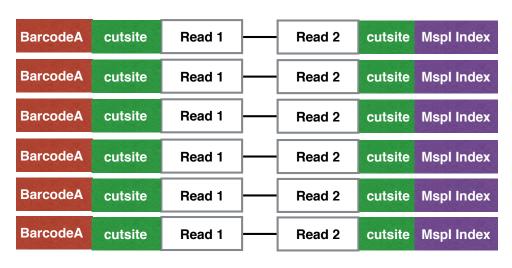
Stretch of genomic DNA

Hpall/Mspl cutsite
C^CGG

Hpall will not cut

Both enzymes will cut

After library prep, sequencing, and alignment:



cutsite Hpall Index **BarcodeB** cutlet Read 1 Read 2 **BarcodeB** cutsite Read 1 Read 2 cutsite Hpall Index **BarcodeB** cutlet Read 2 cutsite Hpall Index Read 1 **BarcodeB** cutlet Read 1 Read 2 cutsite Mspl Index **BarcodeB** cutlet Read 1 Read 2 cutsite Mspl Index **BarcodeB** Read 2 cutsite Mspl Index cutsite Read 1

100% reads have Mspl Index

50% reads have Mspl Index