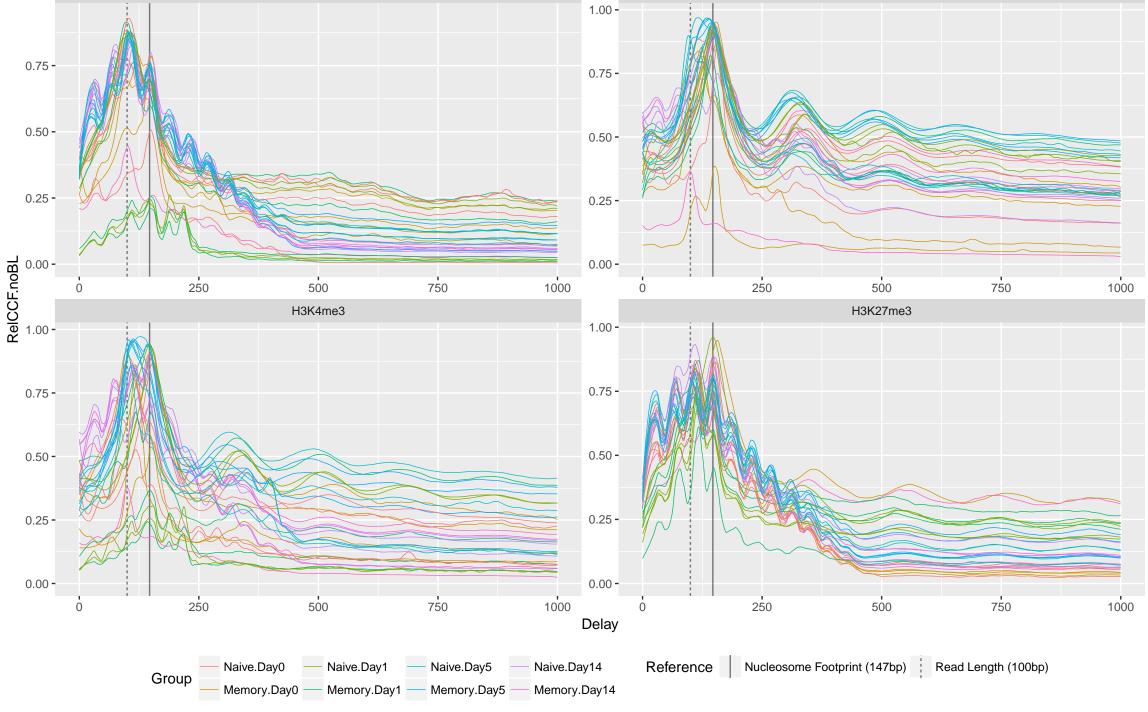
Cross-Correlation Function, Raw input H3K4me2 1.00 -1.00 -0.75 -0.75 -0.50 0.50 -0.25 -0.25 -RelCCF.noBL 0.00 -250 750 1000 250 500 750 1000 500 H3K4me3 H3K27me3 1.00 -0.75 -0.75 **-**0.50 -0.50 -0.25 -0.25 -0.00 0.00 -500 250 750 1000 250 750 1000 500 Delay Nucleosome Footprint (147bp) Read Length (100bp) Naive.Day0 Naive.Day1 Naive.Day5 Naive.Day14 Group Memory.Day1 — Memory.Day5 Memory.Day14 Memory.Day0

Cross-Correlation Function, Loess-Smoothed (span = 0.05) H3K4me2 input 1.00 -0.75 -0.50 -0.25 -0.00 -250 750 250 500 500 1000 750 1000 H3K4me3 H3K27me3 1.00 -0.75 -0.50 -0.25 -



Cross-Correlation Function, Loess-Smoothed (span = 0.075) H3K4me2 input 1.00 -0.75 -0.75 **-**0.50 0.50 -0.25 -0.25 -RelCCF.noBL 0.00 -750 250 250 500 1000 500 1000 750 H3K4me3 H3K27me3 1.00 -0.75 -0.75 -0.50 -0.50 0.25 -0.25 -0.00 -0.00 -750 250 500 1000 250 500 750 1000 Ö Ö Delay

Naive.Day14

Memory.Day14

Naive.Day0

Memory.Day0

Group

Naive.Day1

Naive.Day5

Memory.Day1 — Memory.Day5

Nucleosome Footprint (147bp) Read Length (100bp)

Cross-Correlation Function, Loess-Smoothed (span = 0.1) H3K4me2 input 1.00 -0.75 **-**0.75 -0.50 0.50 -0.25 -0.25 -RelCCF.noBL 0.00 -750 250 250 500 1000 500 1000 750 H3K4me3 H3K27me3 0.75 -0.75 -0.50 -0.50 0.25 -0.25 -0.00 -0.00 -750 250 500 1000 250 500 750 Ö 1000 Ö Delay

Naive.Day14

Memory.Day14

Naive.Day0

Memory.Day0 -

Group

Naive.Day1

Naive.Day5

Memory.Day1 — Memory.Day5

Nucleosome Footprint (147bp) Read Length (100bp)