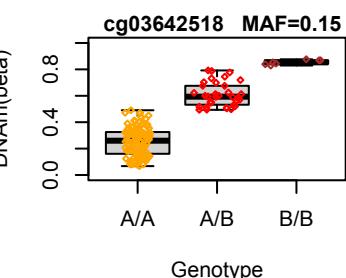


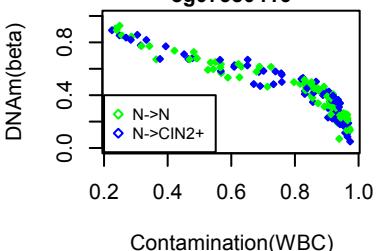
a

Variably Methylated Cytosines (VMCs)

cis-mQTL

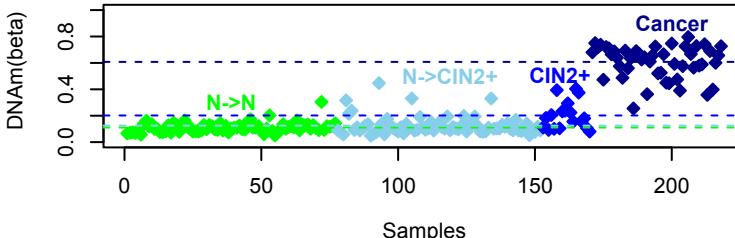


Cell-type heterogeneity

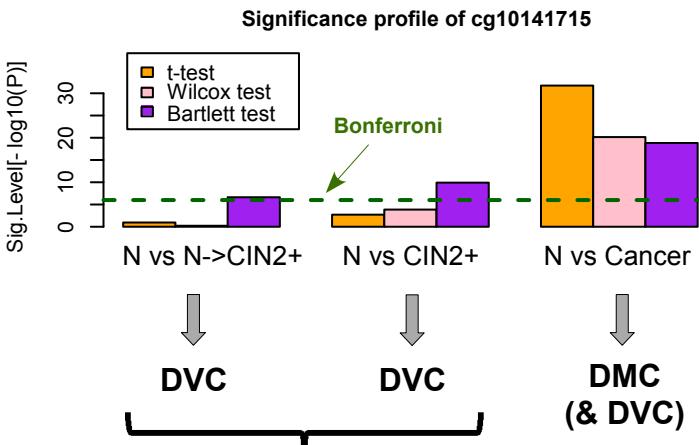
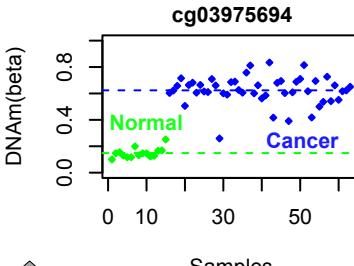
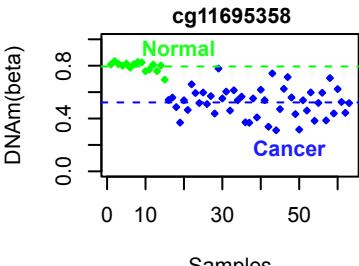
**C**

The dynamics of DNAm change of a DVC during cervical carcinogenesis

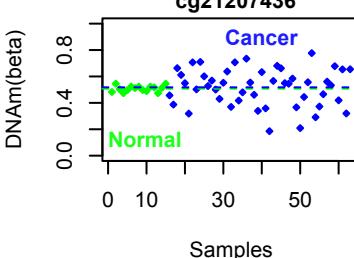
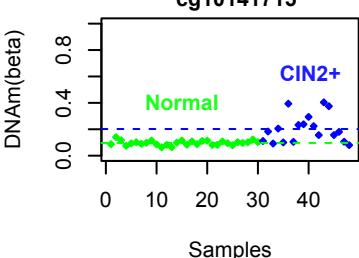
DNAm profile of cg10141715

**b**

Differentially Methylated Cytosines (DMCs)



Differentially Variable Cytosines (DVCs)



Tests for differential variance
allow detection of DNAm
changes in precursor cancer
lesions (incl. field defects)