

Figure S1. Confirmation of *DNMT3A*<sup>R882C</sup> in the OCI-AML3 cells by targeted sequencing.

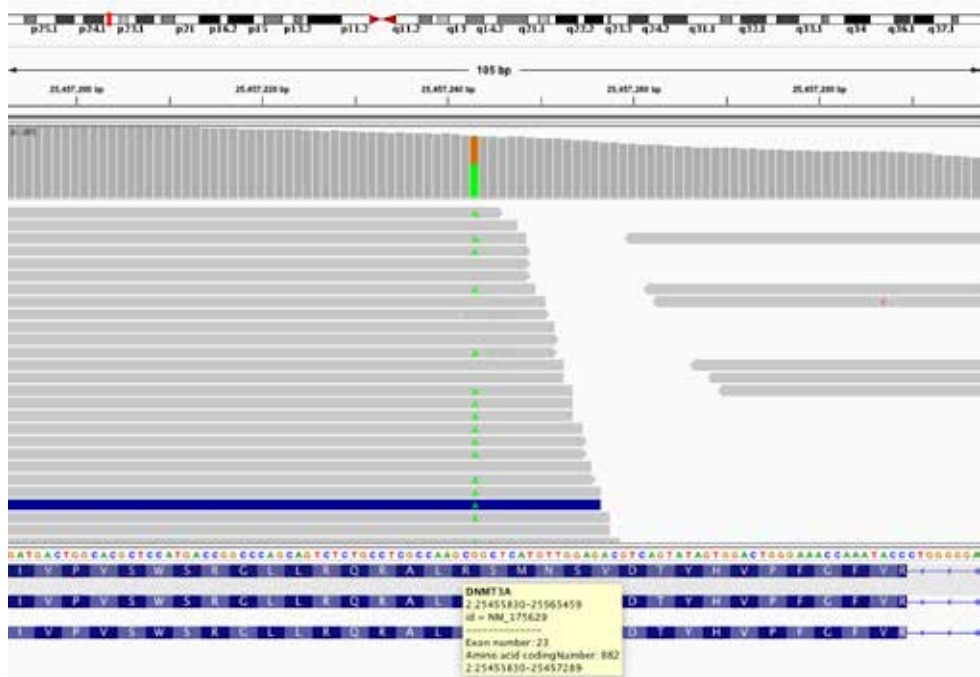
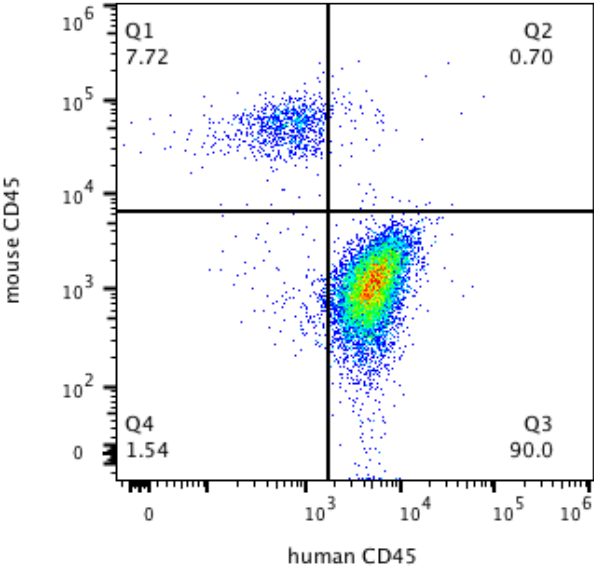


Figure S2. Chimerism of mouse xenografts generated using human AML 721214

A



B

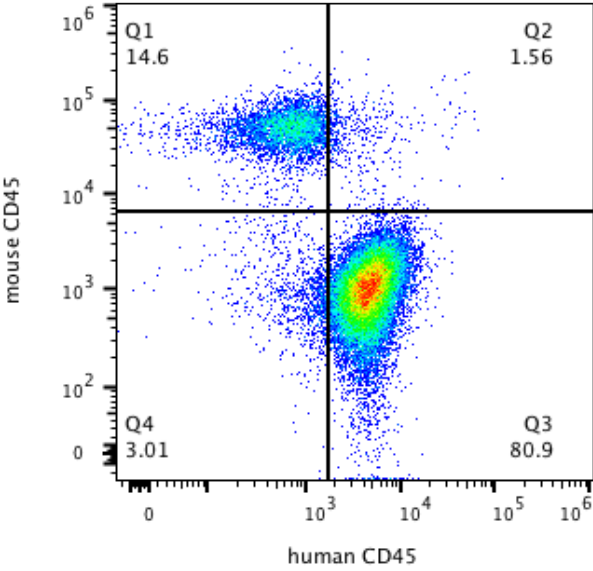
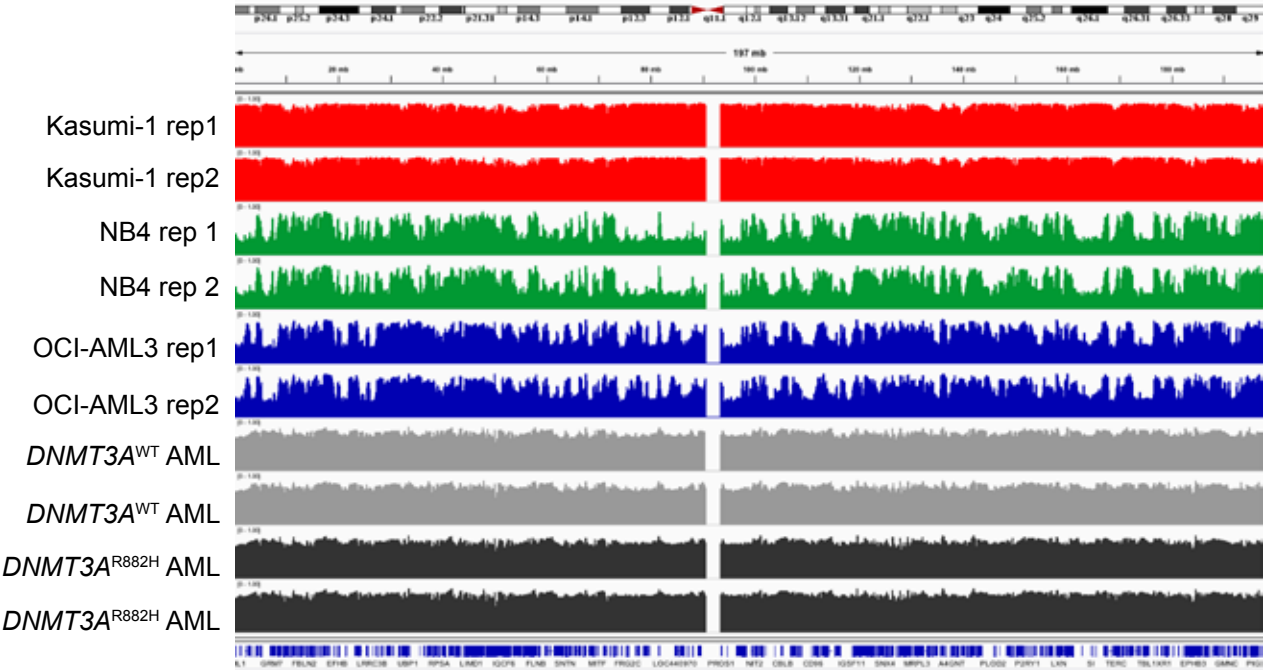
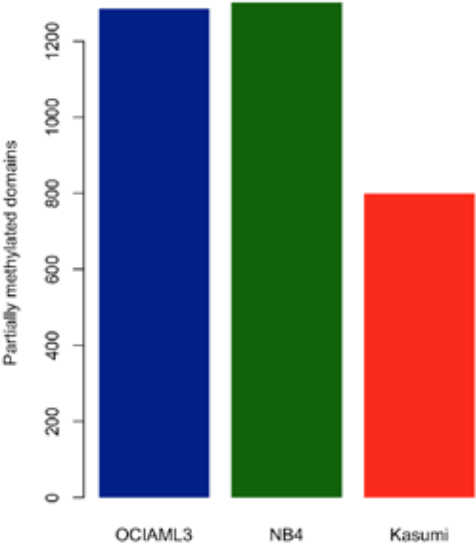


Figure S3. Partially methylated domains in OCI-AML3 cells vs. other cell lines

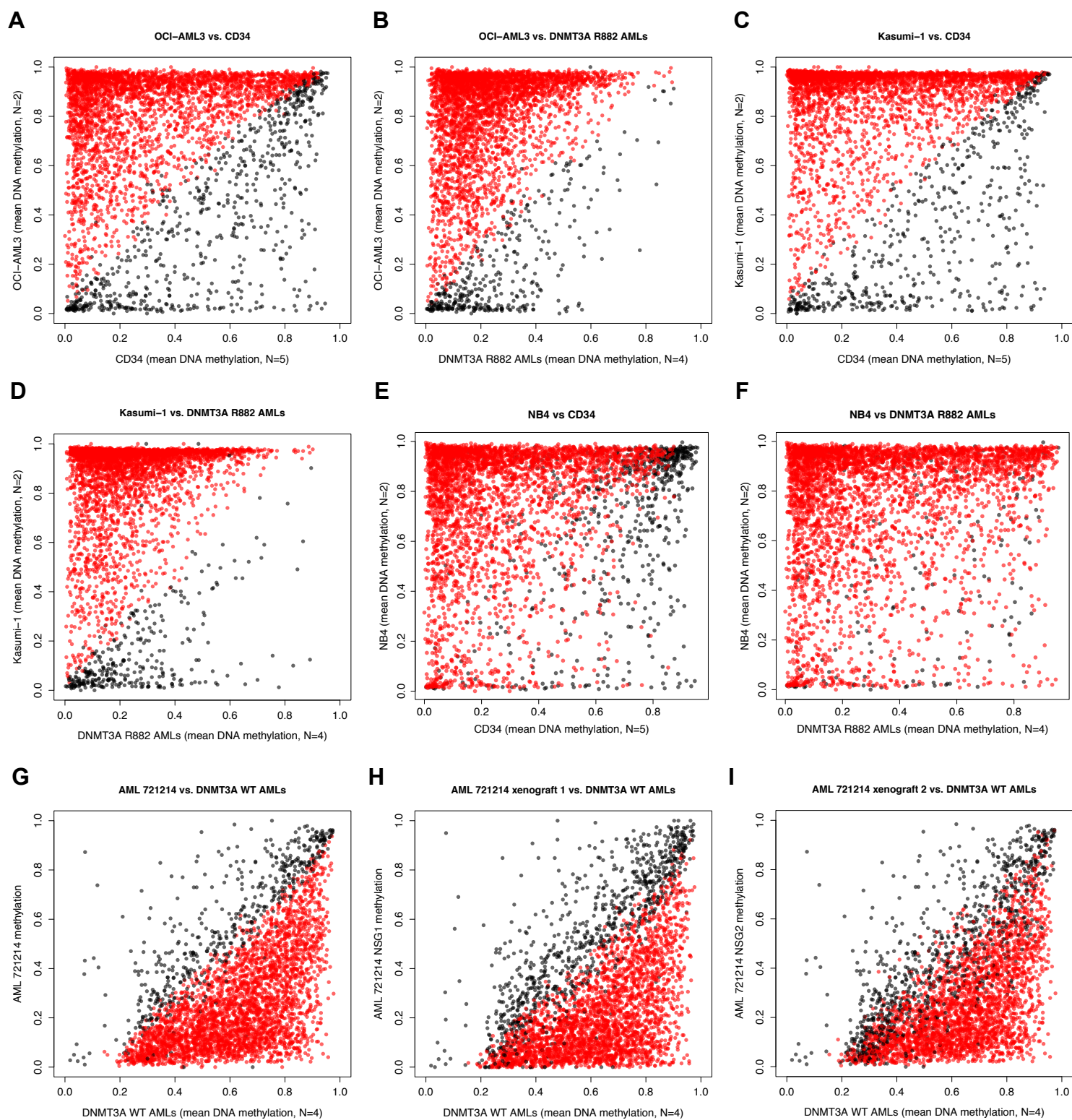
A



B



**Figure S4. Methylation at 3,898 DNMT3A-dependent DMRs in cell lines and AML xenografts**



**Figure S5.** *DNMT3A*<sup>R882</sup>-associated DMRs in primary AML samples, and primary and tertiary mouse xenografts

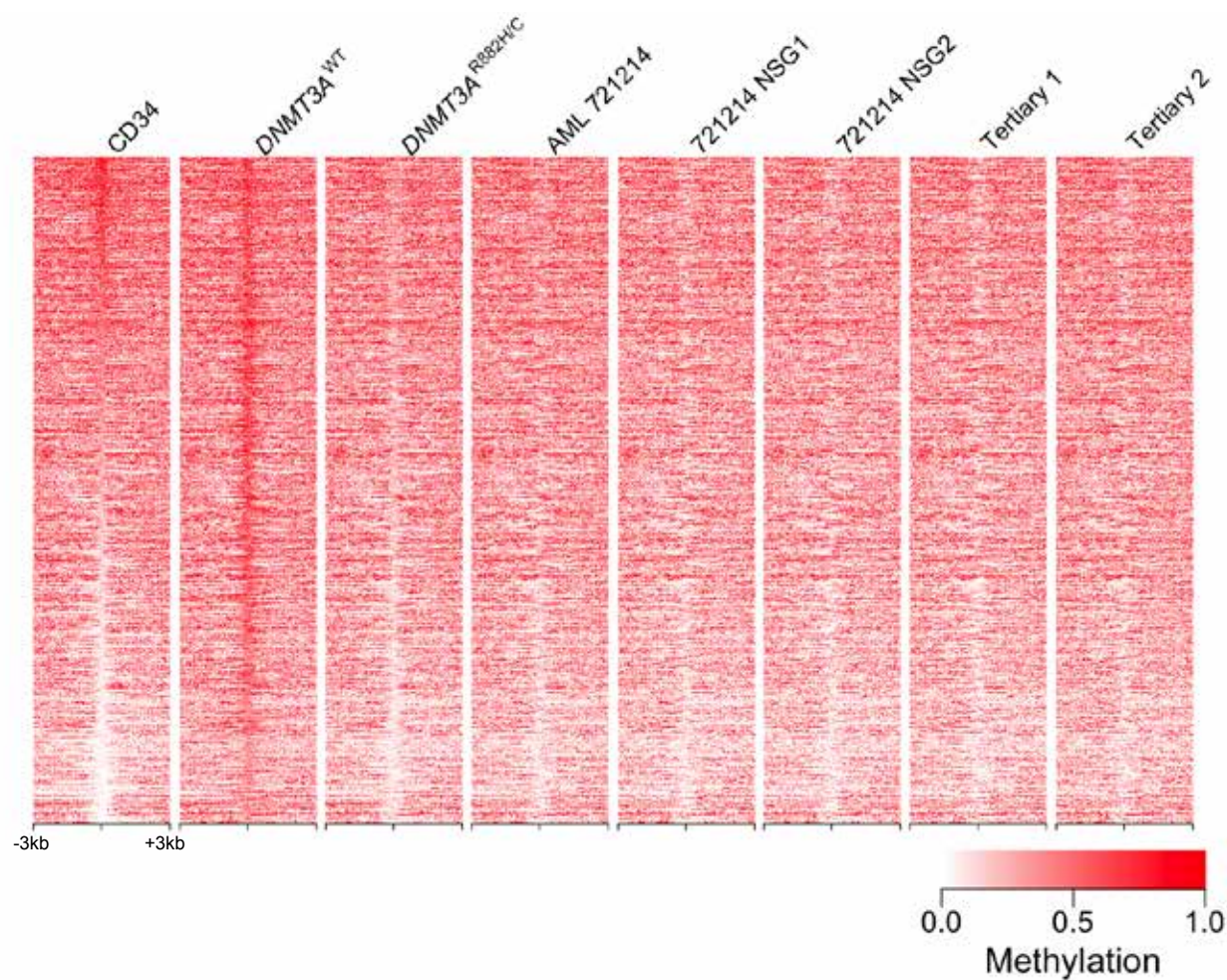




Figure S6. Expression DNA methylation genes in Kasumi-1, NB4, and OCI-AML3 cells.

