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DNMT3A mutations occur early or late in patients with myeloproliferative neoplasms and mutation order influences phenotype

Disclosures: None

Contributions: JN designed experiments, analysed data and wrote the paper. JN, ALG, FLN, CT and YS performed colony work. Microsatellite screening was by JN and ALG. X chromosome inactivation assessment was by JN. FLN performed Fluidigm SNP Genotyping and colony work. JN and CEM analysed WES and WGS data. EJB and DS prepared patient samples. DCW performed analysis of mutation order. JN and JG screened TGS data and assessed clinical correlates. ARG directed the research. All authors reviewed the manuscript.