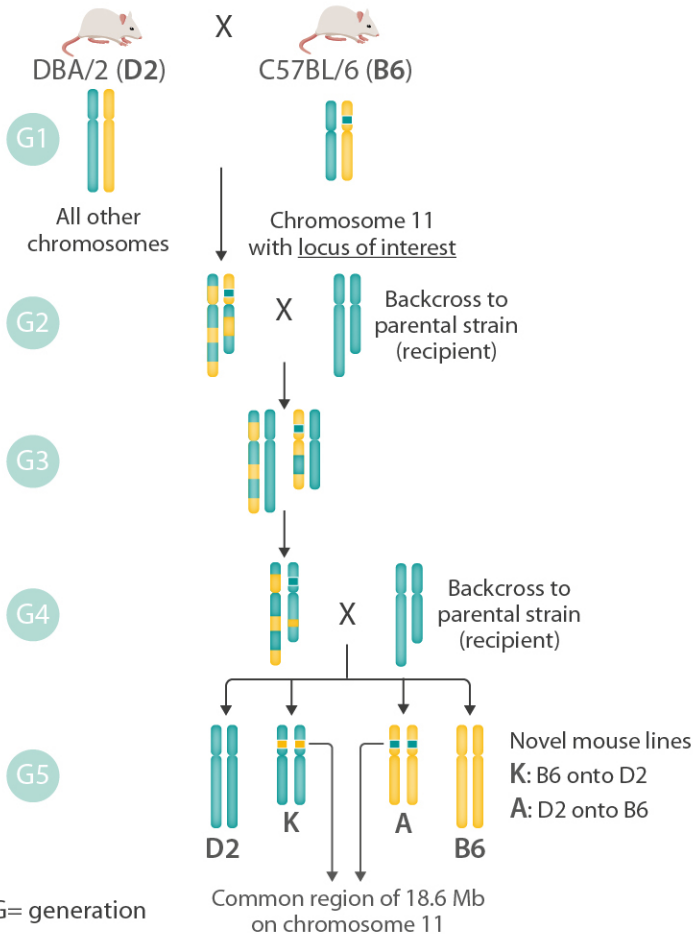


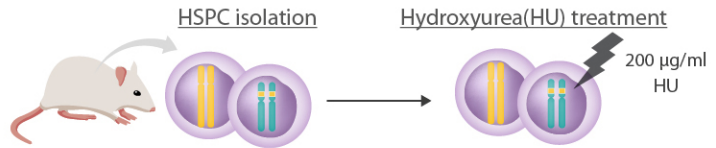
A proximal locus on chromosome 11 controls hematopoietic stem cell lifespan and function

Generation of congenic mice for chromosome 11 locus

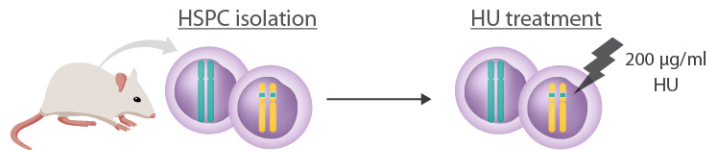


Ex vivo test

B6 and K mouse line



D2 and A mouse line



In vivo test

B6 and K mouse line



D2 and A mouse line



- HSPCs isolated from B6 or line K mice presented with a lower frequency of dysfunctional HSPCs in response to HU treatment
- HSPCs isolated from D2 and line A were more sensitive to HU