

Comparison of characteristics of Hemofilia A and B

Hemofilia A

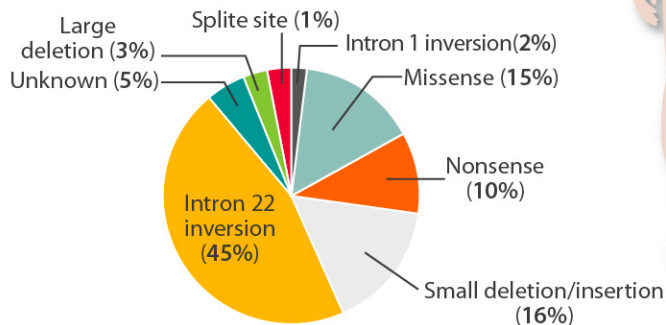
Prevalence 1:5,000 males

Mode of inheritance X-linked recessive

Clinical symptoms Joint bleeding, muscle hematoma, soft tissue bleeding



F8 gene defects reported in severe patients



Characteristics of missing factors (FVIII)

Function	Co-factor
Molecular weight	280 kDa
Normal concentration in plasma	5 µg/mL

Hemofilia B

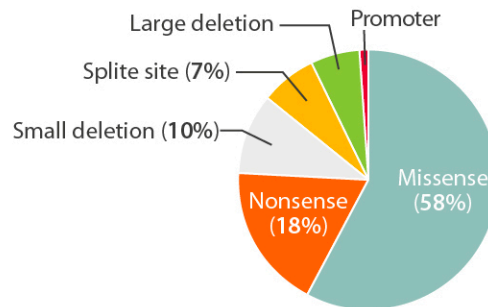
Prevalence 1:30,000 males

Mode of inheritance X-linked recessive

Clinical symptoms Joint bleeding, muscle hematoma, soft tissue bleeding



F9 gene defects reported in severe patients



Characteristics of missing clotting factor (FIX)

Function	Enzyme
Molecular weight	55 kDa
Normal concentration in plasma	0.3- 0.4 µg/mL

