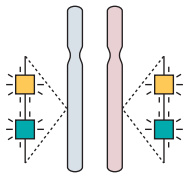


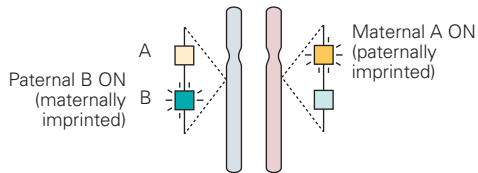
A 正常

Nonimprinted genes



Alleles for both genes
from each parent expressed

Imprinted genes (15q11-13)

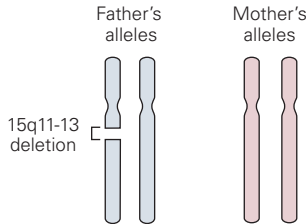


Genes A and B expressed

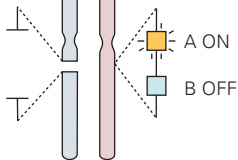
Normal development

B Spontaneous 15q11-13 deletion

Paternal deletion



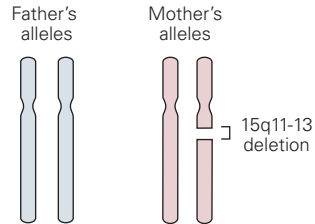
Son



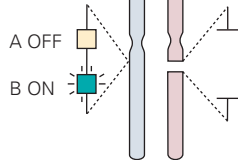
Gene B not expressed

Prader-Willi syndrome

Maternal deletion



Son



Gene A not expressed

Angelman syndrome