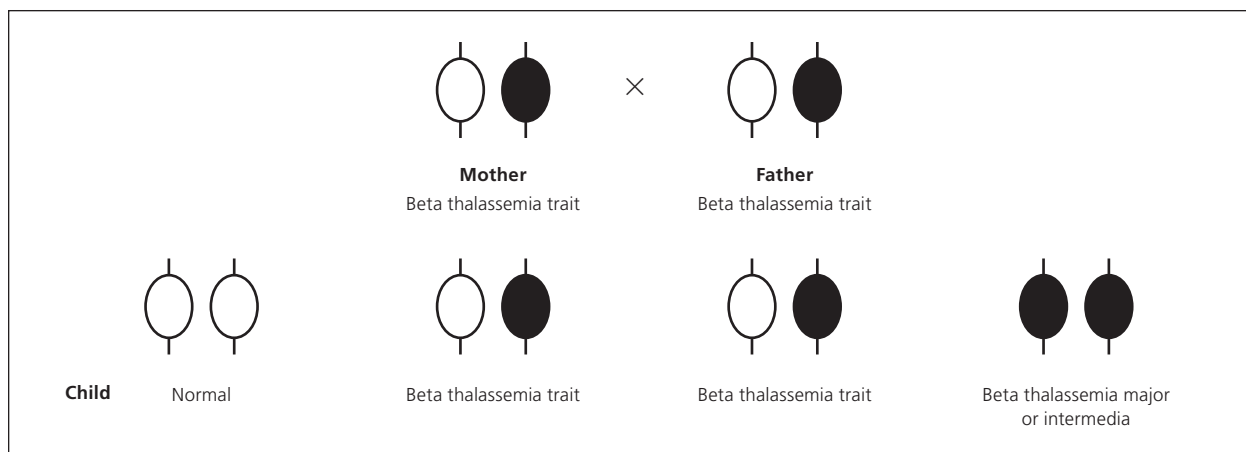


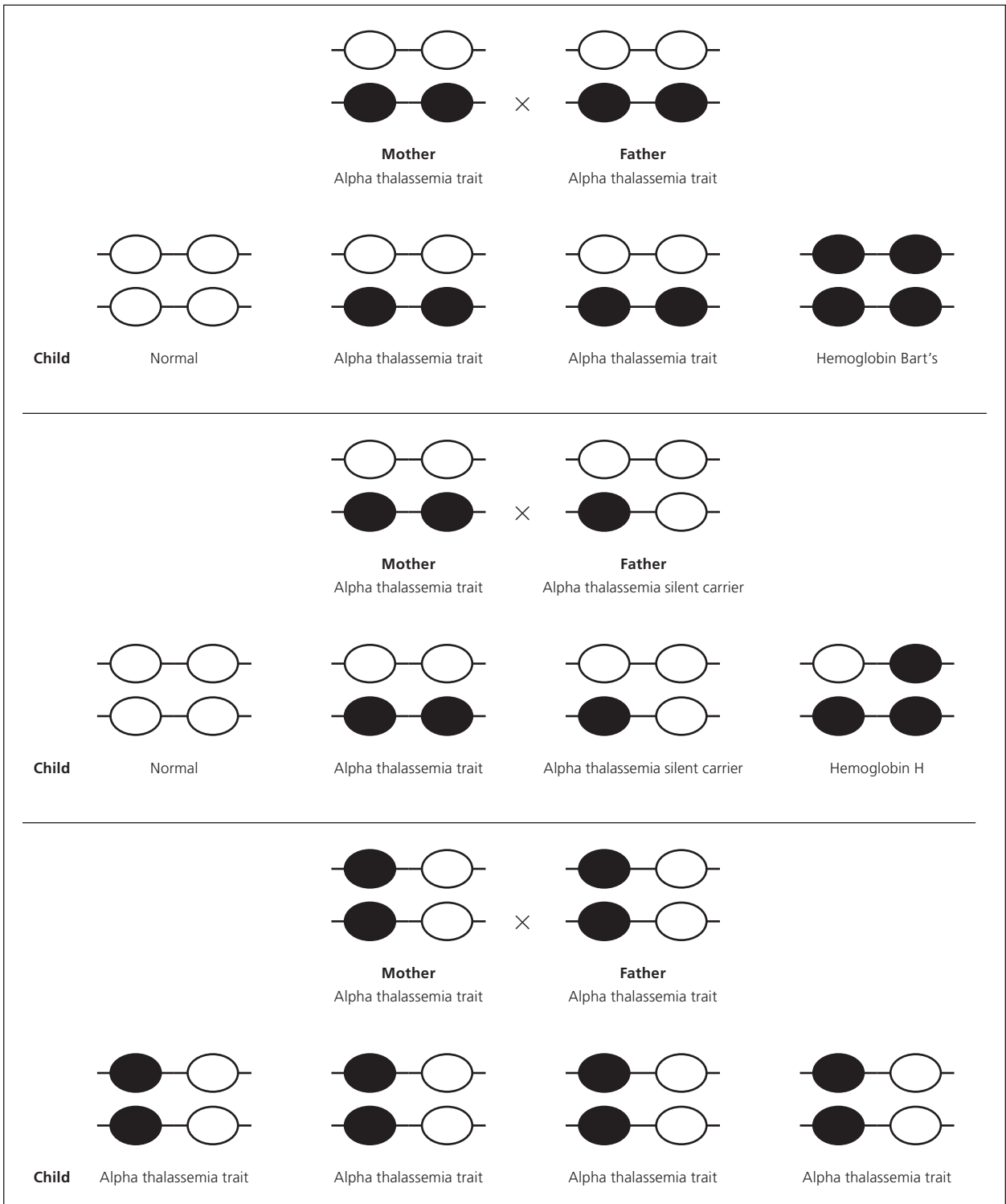
Online Table A. Thalassemia with Hemoglobinopathy

<i>Hemoglobinopathy</i>	<i>Thalassemia</i>	<i>Genetics representation</i>	<i>Signs and symptoms</i>
Hemoglobin S	Beta thalassemia with severely reduced beta globin synthesis	Sbeta ^o	Almost identical to hemoglobin SS disease
	Beta thalassemia with mildly reduced beta globin synthesis	Sbeta ⁺	Milder symptoms (i.e., less pain and hemolysis) and milder anemia
Hemoglobin C	Beta thalassemia with severely reduced beta globin synthesis	Cbeta ^o	Microcytic anemia
	Beta thalassemia with mildly reduced beta globin synthesis	Cbeta ⁺	From mild anemia to asymptomatic
Hemoglobin E (beta globin variant)	Beta thalassemia trait	Ebeta ⁺	Remarkably variable; usually similar to beta thalassemia intermedia, but may be as severe as beta thalassemia major



Online Figure A. Genetics of beta thalassemia trait. Dark shading indicates an abnormal beta globin gene on chromosome 11.

Thalassemia



Online Figure B. Genetics of alpha thalassemia trait. Dark shading indicates a defective alpha globin gene on chromosome 16.