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### **Heterochromia Irides (HI) — White Eye**

Rare ocular pigmentation abnormality, often called “white eye”. There is a grey-silver or white-blue ring observed around the iris of affected animals.

### **Oculocutaneous Hypopigmentation (OH)**

Oculocutaneous Hypopigmentation (OH) presents very similarly to the already monitored genetic condition Heterochromia Irides (HI) or White Eye which was identified in beef cattle in the 1980s. Cattle affected by HI and OH have eyes with irises that are pale blue around the pupil with a tan periphery. In some beef breeds their hair coats have a slightly bleached color. While some affected calves have sensitivity to light, they are believed to be otherwise normal functionally and physiologically.

Dr. Jon Beever from the University of Illinois, has screened numerous Angus bulls for the OH mutation. Of those, only one was identified as a carrier of the mutation, Sir Wms Warrant, (AAA 9196894) born in 1978. In 1982, Warrant was identified by the American Angus Association as a carrier of Heterochromia Irides (HI) based on abnormal calves sired by him. Although they are two separate genetic mutations, OH and HI exhibit many of the same characteristics.