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Positional Identification of Structural and Regulatory Quantitative Trait Nucleotides in Domestic Animal Species

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This extract was created in the absence of an abstract.

Excerpt

Although the identification of mutations underlying monogenic traits has become nearly trivial, the molecular dissection of multifactorial traits—which include the majority of medically and agronomically important phenotypes—remains a major challenge. Despite the substantial resources that have been allocated to such efforts—particularly in human—a recent survey reported only 30 successful outcomes, all organisms confounded (Glazier et al. 2002). This number has to be compared with the more than 1,600 Mendelian traits for which the causal mutation has been identified in the human only. As recently stated by Rutherford and Henikoff (2003), "The nature of quantitative-trait

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