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Genotype by feeding system interaction in the genetic evaluation of Jersey cattle for milk yield 1971

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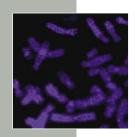
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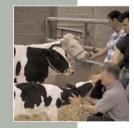
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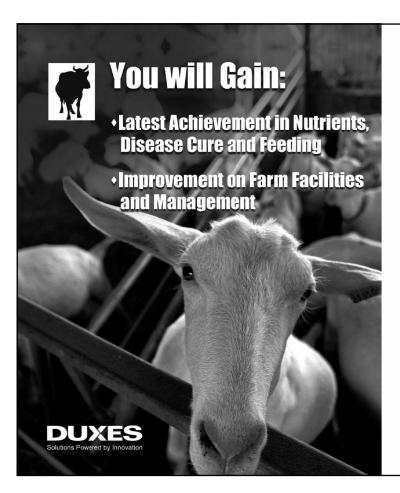
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