

**Additional file 1.** Overview of Holstein calves submitted for necropsy and genetic analysis.

<b>Case</b>	<b>Material</b>	<b>Gender</b>	<b>Gestation age (days)</b>	<b>Body weight (kg)</b>	<b>Histopathology performed</b>
1	Carcass	Female	264	30.0	Yes
2	Carcass	Female	278	26.5	Yes
3	Carcass	Female	281	31.5	Yes
4	Carcass	Female	267	25.5	Yes
5	Carcass	Female	263	25.0	No
6	Head	Unknown	219	Unknown	No
7	Head	Female	277	Unknown	No