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Fatty acid composition of intramuscular lipid in various muscles of Polish Holstein-Friesian bull calves of Black-and-White variety

S u m m a r y

The study was performed on 103 Polish Holstein-Friesian bull calves; fed diets based on maize silage and hay. The aim of this study was to determine and compare the concentration of fatty acid in total fat content of *musculus longissimus dorsi*, *musculus quadriceps femoris* and *musculus triceps brachii.* Although the fatty acid profile is incomplete, the saturated fatty acid content of all species is slightly higher than the unsaturated fatty acid consent. Differences in fatty acid composition between muscles were observed. Differences between muscles in the individual fatty acid (C 14:1, C 17:0 and C 18:0) content were not significant. In case of remaining fatty acids significant and highly significant differences were found. The highest level of CLA was found in *musculus triceps brachii*, while the lowest in *musculus quadriceps femoris.*