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Effects of polymorphism in the bovine *PTPRQ* gene on the expression of *MYF6* and *MYF5* genes in skeletal muscle and on meat production traits in beef bulls

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Supplementary Online Material (SOM)

Table S1. Primers used in the experiment and conditions for PCR reaction

Symbol	Purpose	Primer sequence (5'→3')	PCR product size (bp)	Gene region (sequence spanning)	Annealing temperature (°C)
MYF6rt-F MYF6rt-R	expression	TGGACCCCTTCAGCTACAGA ATGCTTGCCCTCCTTCCTT	180	exons 1–3 (pos. 625–2030; GenBank Acc. No. NW_001494990.2)	60
MYF5rt-F MYF5rt-R	expression	ACCAGCCACCTCAAGTTG GCAATCCAAGCTGGATAAGG	150	exons 1–3 (pos. 665–2050; GenBank Acc. No. NW_001494990.2)	60
PTPRQ1F PTPRQ1R	sequencing and RFLP	TAGTAAGCCACAGTCTTCCATCT CAGCTCTGAGTTCTGGATT	740	partial intron 35	55
PTPRQ2F PTPRQ2R	sequencing and RFLP	CCAATGTAATGCCCAAATG TCAAAACCACACAGCCCTTTA	835	exon 36, partial intron 36	55
TBPrt-F TBPrt-R	expression	ACAACAGCCTCCCACCCTATGC GTGGAGTCCTGTGCCGTAA	120	3'UTR	60

