

High Altitude Adaptability and Meat Quality in Tibetan Pigs: A Reference for Local Pork Processing and Genetic Improvement

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Table S1. Ingredients of the basal experiment diets g/kg.

Item	QYP			YP	
	10–30kg	30–80kg	80–140kg	20–50kg	50 ~ kg
Corn	650	700	772	700	772
Soybean	320	270	200	270	200
CaHPO4	9	9	8	9	8
CaCO ₃	8	8	7	8	7
NaCl	3	3	3	3	3
Lysine	0.3	0.2	—	0.3	—
Premix	10	10	10	10	10

Table S2. The primer sequences used for qRT-PCR (F: forward, R: reverse)

Gene	Primer Sequence (5'-3')	TM/°C
<i>Myh1</i>	F-TTGACTGGGCTGCCATCAAT	60.5
	R-GCCTCAATGCGCTCCTTTTC	
<i>Myh2</i>	F-CTCTGAGTTCAGCAGCCATGA	60
	R-GATGTCTTGGCATCAAAGGGC	
<i>Myh4</i>	F-GAGGTACATCTAGTGCCCTGC	60
	R-GCAGCCTCCCCAAAATAGC	
<i>Myh7</i>	F-GTTTGCCAACTATGCTGGGG	60
	R-TGTGCAGAGCTGACACAGTC	
<i>MyoG</i>	F-GAAAACCTACCTGCCCGTCCA	58
	R-CCACAGACACGGACTTCCTC	
<i>MyoD</i>	F-CACGTCTAGCAACCCGAATCA	58
	R-GGCGTTGCGCAGGATT	
<i>IGF1</i>	F-GAACTGAAGAGCGTCCACCA	57
	R-TGCTTGCTCTCCTCACCAG	
<i>MSTN</i>	F-CCAGAGAGATGACAGCAGTGATG	61
	R-TTCCTTCCACTTGCAATTAGAAGATC	
<i>HK</i>	F-AGATGATCGCCTCGCATCTG	60
	R-GCTCCAAGCCCTTTCTCCAT	
<i>PFK</i>	F-GGAGAGCTGAGACTATAAGAGTGG	61
	R-CCAGAGGTTAACACGGCGAT	
<i>PK</i>	F-CCTGATAGCTCGTGAGGCTG	60
	R-AGGTCTGTGGAGTGAAGTGA	
<i>PDH</i>	F-CCTTGCAAGTTCGCAACCAGTC	60

	R-TCATTACAGAGACTACAGCGAGC	
<i>CS</i>	F-CTGACACAGCTGCAGAAGGA	58
	R-AACATGGGGTCATGAGGCAG	
<i>IDH</i>	F-CGGGCACGTTCAAGATTGTC	60
	R-TTGGTGCTCATGTAGAGCGG	
<i>OGDH</i>	F-GAAGACAGGCAGGCCTGA	58
	R-GCTAGTCCCGCTGAGAAAGG	
<i>VEGFA</i>	F-CTCACCAAGGCCAGCACATA	60
	R-AAATGCTTTCTCCGCTCCGA	
<i>HIF1</i>	F-CCACCTCTGGACGTGCTTTT	56.8
	R-CTCCATGGCGAATCTGTGC	
<i>Mb</i>	F-TGAAGACAGCAGAACGTCCC	58
	R-TTAGGTTCCAGACACCACGC	
<i>C/EBPα</i>	F-CAAGAACAGCAACGAGTACCG	59
	R-GTCACTGGTCAACTCCAGCAC	
<i>FABP4</i>	F-AAGAAGTGGGAGTGGGCTTT	60.7
	R-TCCCACTTCTGCACCTGTAC	
<i>SCD1</i>	F-ACACTTGGGAGCCCTGTATG	60
	R-GGGCAGTCGAGCTTTGTAAG	
<i>β-actin</i>	F-AAGGACCTCTACGCCAACAC	60
	R-CTGGCTGATCCACATCTGCT	
