

Table S1: Nutritional composition of the lyophilized maqui

	100g	Per serving (2g)
Calories	914kJ/232Kcal	19.7kJ/4.64Kcal
Total Fat	10.8g	0.2g
Total Carbohydrate	78g	1.6g
Sugars	24.2g	0.5g
Dietary fiber	50.4g	1.0g
Total Protein	6.2g	0.1g
Sodium	20.1mg	0.4mg
Polyphenols	6550 mg (GAE)	131 (GAE)

Table S2: Sequences of the primers used in SYBR Green assays and references of the probes used in Taqman assays.

Gene	Forward	Reverse
18s	4310893E – 1510059 (Taqman)	
mFgf21	Mm0840165_g1 (Taqman)	
mB2M	F-5'-ACTGATACATACGCCTGCAGAGTT-3'	R-5'-TCACATGTCTCGATCCCAGTAGA-3'
mAcox3	F-5'-GCCTCCTTCAACTCTGGGG-3'	R-5'-TCAGTTCTTCGTAGCTTCTCTAGG-3'
mEhhadh	F-5'-AATACAGCGATACCAGAAGCC-3'	R-5'-ATTCCCAGCATCACTTCCG-3'
mGlut4	F-5'-GTGACTGGAACACTGGTCCTA-3'	R-5'-CCAGCCAGTTGCATTGTAG-3'
mAcly	F-5'-GCCAGCGGGAGCACATC-3'	R-5'-CTTTGAGGTGCCACTTCATC-3'
mGlyK	F-5'-TGGCAGCCGCGAAGAA-3'	R-5'-TGATGACTAAGAAGTTCAGCTGTT-3'
mAcaca	F-5'-TGTACAAGCAGTGTGGGCTGGCT-3'	R-5'-CCACATGGCCTGGCTTGGAGGG-3'
mFasn	F-5'-GCTGCGGAAACTTCAGGAAAT-3'	R-5'-AGAGACGTGTCACTCCTGGACTT-3'
mChrebpb	F-5'-TCTGCAGATCGGTGGAG-3'	R-5'-CTTGTCCCGGCATAGCAAC-3'
mChrebpa	F-5'-CGACACTCACCCACCTCTTC-3'	R-5'-TTGTTTCAGCCGGATCTTGTC-3'
mUcp1	F-5'-CCCCTGGACTGACC-3'	R-5'-ACCTAATGGTACTGGAAGCCTGG-3'
mPrdm16	F-5'-CAGCACGGTGAAGCCATT-3'	R-5'-GCGTGCATCCGCTTGTG-3'
mPgc1a	F-5'-AACCACACCCACAGGATCAGA-3'	R-5'-CTCTTCGCTTTATTGCTCCATGA-3'
mPparg	F-5'-GCATCAGGCTTCCACTATGGA-3'	R-5'-AATCGGATGGTTCTTCGGAAA-3'
mDio2	F-5'-TGCGCTGTGTCTGGAACAG-3'	R-5'-CTGGAATTGGGAGCATCTTCA-3'
mFsp27b	F-5'-GTGACCACAGCTTGGGTCCGA-3'	R-5'-GGGTCTCCCGCTGGGCTTA-3'
mFsp27a	F-5'-GCCACGCGGTATTGCCAGGA-3'	R-5'-GGGTCTCCCGCTGGGCTTA-3'
mDgat1	F-5'-CGACGGCTACTGGGATCTGA-3'	R-5'-CTCAGGATCAGCATCACCA-3'
mSrebp1c	F-5'-GGAGCCATGGATTGCACATT-3'	R-5'-GGCCCGGAAGTCACTGT-3'
mCreg1	F-5'-CCGTATCTGGTCTTGGACT-3'	R-5'-CATGAGCCTCCGAAGACACT-3'
mKlb	F-5'-ACACTGTGGGACACAACCTG-3'	R-5'-ATCCAATGGACCCCAAGGT-3'
mFgfR1	F-5'-CTGGCAGCGATACCACCTAC-3'	R-5'-CTGGGGATGTCCAGTAGGGA-3'
mFgfR4	F-5'-CTGCTTTGGGCAAGTGGTTC-3'	R-5'-TGCCAAATCCTTGTCCGAGG-3'
mEgr1	F-5'-GCCGAGCGAACAACCCTAT-3'	R-5'-ATAACTCGTCTCCACCCATCGC-3'
mAdiponectin	F-5'-CAGTGGATCTGACGACACCAA-3'	R-5'-TGGGCAGGATTAAGAGGAACA-3'