

Figure S1. Association between BMI and Fuhrman grade. There was no correlation between BMI and Fuhrman grade.  $r$  is the Spearman correlation coefficient and  $P < 0.05$  indicates the significance level ( $n=50$ ). BMI, body mass index.

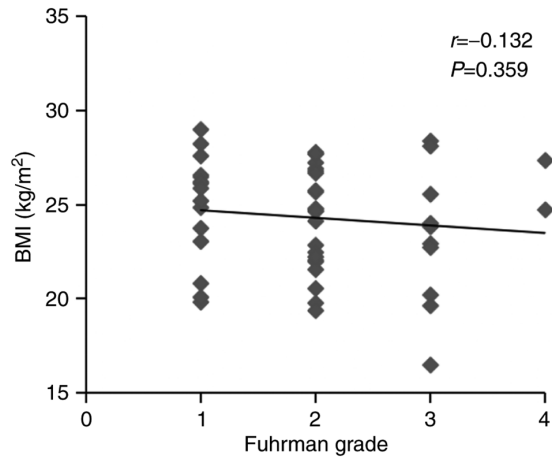


Figure S2. Association between BMI and T stage. There was no correlation between BMI and T stage.  $r$  is the Spearman correlation coefficient and  $P < 0.05$  indicates the significance level ( $n=50$ ). BMI, body mass index.

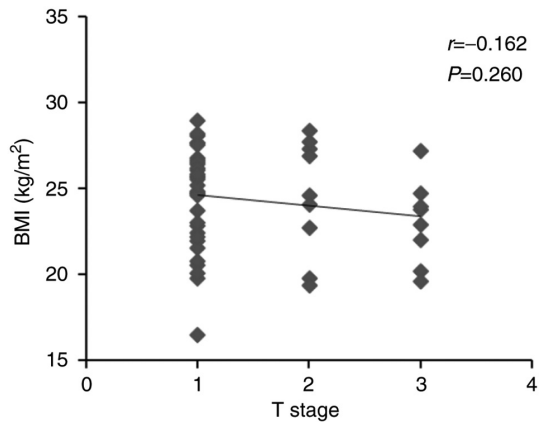


Table SI. Primers used in the present study.

Gene	Primer sequences
Homo $\beta$ -actin	Forward: 5'-ATTGGCAATGAGCGGTTCCGC-3' Reverse: 5'-CTCCTGCTTGCTGATCCACATC-3'
Homo UCP1	Forward: 5'-CACCTTCCCGCTGGACACT-3' Reverse: 5'-CCCTAGGACACCTTTATACCTAATGG-3'
Homo PGC1 $\alpha$	Forward: 5'-FW: TCTGAGTCTGTATGGAGTGACAT-3' Reverse: 5'-CCAAGTCGTTACATCTAGTTCA-3'
Homo CIDEA	Forward: 5'-GATGCCCTCGTCATCGCTAC-3' Reverse: 5'-GCGTGTGTCTCCCAAGGTC-3'
Homo PRDM16	Forward: 5'-CGAGGCCCTGTCTACATTC-3' Reverse: 5'-GCTCCCATCCGAAGTCTGTC-3'
Homo ZIC1	Forward: 5'-CACGCGGGACTTTCTGTTC-3' Reverse: 5'-TGCCCGTTGACCACGTTAG-3'
Homo TMEM26	Forward: 5'-TGAGACGGCCAAAGTTTTTGT-3' Reverse: 5'-TGGGTAGAAGCCATCTTCCAA-3'
Homo TBX1	Forward: 5'-TAGCGAGAAATATGCCGAGGA-3' Reverse: 5'-CGTGATCCGATGGTTCTGGT-3'
Homo CD137	Forward: 5'-AGCTGTTACAACATAGTAGCCAC-3' Reverse: 5'-GGACAGGGACTGCAAATCTGAT-3'
Homo HOXC9	Forward: 5'-ACTCGCTCATCTCTCACGACA-3' Reverse: 5'-GACGGAAAATCGCTACAGTCC-3'
Homo HOXC8	Forward: 5'-AACTCAGGCTACCAGCAGAAC-3' Reverse: 5'-TGAGCCCCATAAAGGGACTGT-3'
Homo TNF- $\alpha$	Forward: 5'-CCCCAGGGACCTCTCTAAT-3' Reverse: 5'-GGTTTGCTACAACATGGGCTAC-3'
Homo MCP-1	Forward: 5'-TGTCCCAAAGAAGCTGTGATCT-3' Reverse: 5'-GGAATCCTGAACCCACTTCTG-3'
Homo EMR1	Forward: 5'-CAGCGTTCTGGACAAAGTGTG-3' Reverse: 5'-CGGAGTGATATTTGCTGAGGGT-3'
Homo IL-10	Forward: 5'-GACTTTAAGGGTTACCTGGGTTG-3' Reverse: 5'-TCACATGCGCCTTGATGTCTG-3'
Homo IL-6	Forward: 5'-TTCAATGAGGAGACTTGCC-3' Reverse: 5'-TGACCAGAAGAAGGAATGC-3'
Homo AP2	Forward: 5'-ACTGGGCCAGGAATTTGACG-3' Reverse: 5'-CTCGTGGAAGTGACGCCTT-3'
Homo HSL	Forward: 5'-TCAGTGTCTAGGTCAGACTGG-3' Reverse: 5'-AGGCTTCTGTTGGGTATTGGA-3'
Homo RETN	Forward: 5'-CTGTTGGTGTCTAGCAAGACC-3' Reverse: 5'-CCAATGCTGCTTATTGCCCTAAA-3'
Homo ADIPOQ	Forward: 5'-CGTGATGGCAGAGATGGC-3' Reverse: 5'-CCGGTTTCACCGATGTCT-3'
Homo LEP	Forward: 5'-CACCAAACCCTCATCAAGACA-3' Reverse: 5'-CTTTCTGTTTGGAGGAGACTGACT-3'
Homo COX7A1	Forward: 5'-CCGCTTTCAGAACCGAGTG-3' Reverse: 5'-CCCTTCAGGTACAACGGGA-3'
Homo CS	Forward: 5'-TGCTTCCTCCACGAATTTGAAA-3' Reverse: 5'-CCACCATACATCATGTCCACAG-3'
Homo CYC1	Forward: 5'-CTTCGCGGGGTAGTGTGG-3' Reverse: 5'-GGCCAGACTTCGACGACAA-3'
Homo LCAD	Forward: 5'-GGTGTTCATCAGTAATGGGTCAT-3' Reverse: 5'-CACTGTCTGTAGGTGAGCAACTG-3'
Homo PDK4	Forward: 5'-GGAGCATTTCTCGCGCTACA-3' Reverse: 5'-ACAGGCAATTCTTGTGCGCAA-3'