

Ageing amplifies a gut microbiota immunogenic signature linked to heightened inflammation

Table S1. Primers (Forward and Reverse, Integrated DNA Technologies, Coralville, IA) used for Fluidigm analysis.

Gene	Forward sequence	Reverse sequence
<i>ApoE</i>	GACCCAGCAAATACGCCTG	CATGTCTTCCACTATTGGCTCG
<i>B3galt5</i>	AGGCTAGTTTACGCCTCCATT	AGGAACTTCCCCTGACTTTTCT
<i>Bcl6</i>	CCGGCACGCTAGTGATGTT	TGTCTTATGGGCTCTAAACTGCT
<i>Ccnd1</i>	GCGTACCCTGACACCAATCTC	ACTTGAAGTAAGATACGGAGGGC
<i>Ccr2</i>	GCTGTGTTTGCCTCTCTACCAG	CAAGTAGAGGCAGGATCAGGCT
<i>Cd55</i>	ACCCCGGTGCATAGAGAAATC	GGATGACGTAAGTGTGCTTGG
<i>Clca4b</i>	TGTCACCTGGAGCAAACAAGCC	CCAGGTTGTAAGTCCAAACGCC
<i>Cldn1</i>	GCCATCTACGAGGGACTGTG	ACTAATGTCGCCAGACCTGAAA
<i>Cldn2</i>	TCTCTGTGGTGGGCATGAGA	CCAGCGGCGAGTAGAAGTC
<i>Cldn3</i>	ACTGCGTACAAGACGAGACG	CGGGCACCAACGGGTTATAG
<i>Creb3l3</i>	CAGTCAGCTCAAGAAAGCAGG	TGGTTCTGGGCAGTACACG
<i>Cxcl10</i>	GTGGGACTCAAGGGATCCCTC	CAGGATAGGCTCGCAGGGATG
<i>Cxcl2</i>	CGCTGTCAATGCCTGAAGAC	ACACTCAAGCTCTGGATGTTCTTG
<i>Degs2</i>	AGCGACTTCGAGTGGGTCTA	GAGAGTCCCCGTAATAACCAG
<i>Duox2</i>	ACCCTGGACCTCTATTTCAG	ACAGCCCATTCTTAGTGT
<i>Duoxa2</i>	ACCGCTGCTCATTGTTATCC	AGTGCACAGCCACAATTTTCG
<i>F2</i>	TTCGACCCCGAGGTGAAACT	CCCCGCAACATAGCACCAT
<i>Fut1</i>	TACCTCATCCATTGCAGACATCT	CTCCTGGGGTGATTGTCCAAG
<i>Fut2</i>	ACCTCCAGCAACGAATAGTGA	GCCGATGGAATTGATCGTGAA
<i>Gda</i>	AGGAGTGGTGCTTCAAACCAT	GGGATGAGTCAGTGTGAATTGT
<i>Gpx2</i>	ATGGCTTACATTGCCAAGTCG	TGCCTCTGAACGTATTGAAGTC
<i>Hc</i>	GAACAAACCTACGTCATTTTCAGC	GTCAACAGTGCCGCGTTTT
<i>Ido1</i>	GCTTTGCTCTACCACATCCAC	AGCTGCCCGTTCTCAATCAG
<i>Il10</i>	GCTGAAGACCCTCAGGATGCG	CCTGCTCCACTGCCTTGCTCT
<i>Il17a</i>	ACTACCTCAACCGTTCCA	GAGGGATATCTATCAGGGTC
<i>Il1b</i>	GCACTACAGGCTCCGAGATGAAC	TTGTCGTTGCTTGGTTCTCCTTGT
<i>Il22</i>	CCTGACCAAACCTCAGCAATC	GCCTTCTGACATTCTTCTGG
<i>Il23a</i>	CAAGGACAACAGCCAGTTCTGCTT	AGGCTCCCCTTTGAAGATGTCAGA
<i>Il6</i>	GACTGATGCTGGTGACAAC	ATCCTCTGTGAAGTCTCCTC
<i>Irs1</i>	CTCCTGCTAACATCCACCTTG	AGCTCGCTAACTGAGATAGTCAT
<i>Itgb6</i>	ATGGGGATTGAGCTGGTCTG	GACAGGTGGGTGAAATTCTCC
<i>Jak3</i>	CCATCACGTTAGACTTTGCCA	GGCGGAGAATATAGGTGCCTG
<i>Lbp</i>	TCCATCGGTGTCCGAGGCAAAT	AGGTCCACTGAAATGGTGACACC
<i>Ly6a</i>	AGGAGGCAGCAGTTATTGTGG	CGTTGACCTTAGTACCCAGGA
<i>Ly6cl</i>	GCAGTGCTACGAGTGCTATGG	ACTGACGGGTCTTTAGTTTCCTT

<i>Muc1</i>	GGCATTCTGGGCTCCTTTCTT	TGGAGTGGTAGTCGATGCTAAG
<i>Muc13</i>	GACAGCAGTAAATGCCAGGAC	GCTGAGAGCACGTTACAGCAA
<i>Muc2</i>	AGGGCTCGGAACTCCAGAAA	CCAGGGAATCGGTAGACATCG
<i>Myd88</i>	AGGACAAACGCCGGAACCTTT	GCCGATAGTCTGTCTGTTCTAGT
<i>Nlrp3</i>	ATTACCCGCCCGAGAAAGG	TCGCAGCAAAGATCCACACAG
<i>Nos2</i>	AGTGAAAAGTCGAGCCGCA	ACAATCCACAACCTCGCTCCA
<i>Ocln</i>	TTGAAAGTCCACCTCCTTACAGA	CCGGATAAAAAGAGTACGCTGG
<i>Ptk6</i>	CTCAGGCCGTGCGACATTA	GTCTTATGGTAGTCCACAAGCTC
<i>RelA</i>	TCCTGTTTCGAGTCTCCATGCAG	GGTCTCATAGGTCCTTTTGC
<i>S100a8</i>	AAATCACCATGCCCTCTACAAG	CCCCTTTTATCACCATCGCAA
<i>S100a9</i>	ATACTCTAGGAAGGAAGGACACC	TCCATGATGTCATTTATGAGGGC
<i>Saa1</i>	GGAGTCTGGGCTGCTGAGAAA	TGTCTGTTGGCTTCTGGTCAG
<i>Saa2</i>	TGGCTGGAAAGATGGAGACAA	AAAGCTCTCTTGCATCACTG
<i>Saa3</i>	AACTATGATGCTGCCCGGAG	GCTCCATGTCCCGTGAACCTT
<i>Sbno2</i>	TTCGCTGCGCTCAACAAGGA	TGACAGGGAATCCACAGATGAA
<i>Sirt1</i>	TGATTGGCACCGATCCTCG	CCACAGCGTCATATCATCCAG
<i>Socs3</i>	ATGGTCACCCACAGCAAGTTT	TCCAGTAGAATCCGCTCTCCT
<i>Sphk1</i>	ATGGAACCAGTAGAATGCCCT	TCCGTTCCGGTGAGTATCAGTTA
<i>St8sial1</i>	GCTACCCGTAGGAGCCAGT	CAGCACCCCTTGACAATCT
<i>Stat3</i>	GTAGTGCTGCCCGTACCTG	AGCGACTCAAACCTGCCCTCC
<i>Tff3</i>	TCCAAGCCAATGTATGGTGCCG	CAGGGCACATTTGGGATACTGG
<i>Tirap</i>	ATCTCCAGGAAAGCCACCTCT	GGTAGGTGACATTCCTGAACTGC
<i>Tjp1</i>	GCTTTAGCGAACAGAAGGAGC	TTCATTTTTCCGAGACTTCACCA
<i>Tlr2</i>	CAACAAGATCACCTACATTGGC	GACTTCAACATCAGAACCCTGGA
<i>Tlr4</i>	CGGGAGAATCCTGTGGACAA	CTCAGACTCGGCACTTAGCA
<i>Tnf</i>	AGGCACTCCCCAAAAGATG	GTAGACAGAAGAGCGTGGTGG
<i>Tnfrsf1b</i>	ACACCCTACAAACCGGAACC	AGCCTTCCTGTTCATAGTATTCCT
<i>Xdh</i>	GTTGGTTTCAGCGTCAGGAG	CCCAAGTGGCAGTTTTGAGT