

Table S1

Full-length primer of the top40 DEGs

	F	R
HF17173	ATGGAGGCTTGTGTGGTG	CTAAGGGAAAGAAGCCAAAGC
HF19185	ATGGCAATTTGCCACCAA	TTAGTTCAA TAA TATTCCTATTATTTTG
HF26758	ATGGTTTATTCTGCCCAGCAC	TAAAAGTAGGTACTAACTGATTCC
HF25161	ATGAAGAGAAGCATCGCAGATG	TTAGAAAAACCCAACAAGTGGAGC
HF07399	ATGCAATCGGAAACCAATACCG	CTAAGCCTCACTCCTAGAAGAT
HF33998	ATGGTAGTTATCGAAGATATAGCAGC	TCATTCCTCCTTTTTGTCAAGG
HF36826	ATGGGCAACTACATTTCTTGTAGC	TCACCTTGAAGAAACAGAACTGC
HF11952	ATGTCTGATTCTAATTCTACACCTGC	TTAGTAAGGCAAGCTCTTAGAGC
HF26712	ATGGCTGAGCGCAATAACTCA	TTACGCTGCATCATTTGACCC
HF07688	ATGGCTTCGACTTCCTCTTTG	TTAATTTCTAGGTGTAGAGTCCACC
HF21043	ATGAAGACAATTAGTCTCATTGATCTTTC	TCAGTAAATTTTGACAAAGATGCCCTC
HF17061	ATGTCTCTTAGACCAAGAGCAAC	TTATTTGCCAGGCGTAAGAGG
HF04575	ATGGAGGGTTTGATTCTTTTGTG	TTAGTTACTAGCAACTCGGTG
HF34647	ATGGATGGGATGGACTTAACAC	TCAGCCCTTTCTAA TCTTTGACTTG
HF14292	ATGGAGAGGCCGGAAGGAT	TCATTTGGCCGGTTTACTACC
HF11455	ATGAAGATGGAGCAAAATTC AACCTC	CTAGGTGCAGGTGGAGGGA
HF18911	ATGGGTGTTGGAA TTCAAACAA TGTG	TCAGACTCTTACTCTTTCGACT
HF18542	ATGGCAAGGAACACAAACATGG	TTAATTAAAGCTA TAGAAGAAGATGGCC
HF18184	ATGGCTGACTACGAGTTTC	CTAAGCTTCCAAGAAACCACTC
HF31629	ATGGCAATGGATAAGGATAACATACTG	CTAGTTCTCTTTCATCGCGGAT
HF16984	ATGCATATGAAGAATAACGTGATGATGG	TCATGCGACCTTTGTAGGTTT
HF29910	ATGAGGAAACAACCTTCTCGAAATATTC	TTACAGCTCTTGCTTG GACTG
HF25816	ATGTCTTCTGTCGATGTTCCAC	TTATAATGCCACAGGTTCCAC
HF38956	ATGTCACTCATTTCCCAAGTG	TTAATTTCTTCAATCTGAATAACCTTC
HF03327	ATGGAGCAAGAGATGGTGATG	CTAAGGGTACTTCTTCTTTGTAACAC
HF24033	ATGGCTCTCAGTCTCTTTGTC	TCACACAAACAGAAAGGCACAG
HF24031	ATGGCTCTCAGTCTCTTTGGC	TTAGCCGGAGATGTCAATGG
HF08868	ATGGCCCTTCAACACACTTTG	TCAAACCTTTGGTGGAGGCATC
HF21999	ATGGGATCCCGAAACAAACGT	CTAGGCATTATCATTCAGGAATTTT
HF31522	ATGGGCAGAGCTCCTTGC	TTATTTGAGGCCAAAGTAGGTTGC
HF10952	ATGGATCGACCAGGAACG	TTAAAGCTCTTGCTTGGGCTC
HF42042	ATGTTTACTTATTTGGCTGCTTGG	TTAAGAATATTTGTAA TCAGTCTGACGAT
HF06112	ATGGCTCCTCTCATCTTC	TCAGCATTGCGGTGTTAGTG
HF05640	ATGGCCTCAACCTCCTCC	CTAGCTGCTGCCGATTATATC
HF20213	ATGCAGACGACTACTACAACC	TTATTTTCTGTCAGACTCCTTTGG
HF24827	ATGGCAATTCCTTGGTTTTCTCTTGG	TTAGAATTGTTGGCCGCTGAATGT
HF34501	ATGCATGTGAAGAAGAATAATGC	TCATGCGACCTTTGTAGG
HF40595	ATGATTTCTTCAAGCATTTCTCAG	TCAAAGTGTAACGAAATTTTAAACA

Table S2

qPCR primer of the top40 DEGs

	F	R
HF17173	TGGCTCATCTCCCTTACCCT	AAAGCCACCTCCAAAAGGCA
HF19185	TCTCGACCCATCCTCACCAT	TGAAATGGAGATCTCGCCCG
HF26758	CCACCTCACTACCACACCAC	AACTCGATGGCCGGAATGTT
HF25161	CCCAGGTTAACCGGACCATC	CGCCTGCCCTATAGCAAACCT
HF07399	CAAGCACTAGGTGGGCATCA	GCTCGAGGGCCCCATAACTTT
HF33998	TGACTGGAGGGTTTGTGTCG	CCTTCTCGATCTCATCCGCC
HF36826	CTGATGGTCGACACCCCAAA	AACTCTTCGTCGGCACTGAG
HF11952	AGCTACCAAAGCTCAGACC	GGTGAACCGATTGGAAACCT
HF26712	TTCGCGCGAGGCAATAAGT	TAGTTGTGGTTCGCGAGCTT
HF07688	CTGGTTGTGAGTCTGGACGG	TGCCTCTTGAAGGACCAGA
HF21043	TTTCTCTGTTCTGACGGCCC	CCAGACGTCCGATAAGACCG
HF17061	AGCAAACCTAGCCAACCTCC	CGAAGCATCCGGGTAGTCAA
HF04575	GACCGCTTCGAATCATCGGA	GCAACTCGGTGACGAAATGG
HF34647	GCACCTGATTCCACAGTCCA	TCCCAGTGCTGACGTCTTTC
HF14292	CCAAAGTTGTTGGCGTTGGT	CGCTCAGACTCCGTTGCATA
HF11455	GTTCCGGTTCGGATTACGGT	ACCTTCCTTGGTGCTTCTCG
HF18911	GCTGCTGCTTTCCTGCATTT	GCCACATCTCAGGAGTGCTT
HF18542	GCAGTGCCGGTCAGAAATTG	AACGGTCCAAGTGACAGGTG
HF18184	GGCGTCACCATCAAAACGAC	GACCGGCACCGACTTGATAA
HF31629	CTCGGCCCTACAAACCCTCTC	TCCTTCGCGTCTAATGCTCC
HF16984	AGGGCGACAACACTACAAGTGG	TCTGATCCAAGTCGGCGTTC
HF29910	TGCCTTGAGCTTTCTGCTT	GAGTGCCAGCAGAGTGCTT
HF25816	GCAGTGAAGGCTGCATCAAC	CGCTTCTTCTTTTGTTGGCCC
HF38956	CCCTAGACGCCCATGTGTTT	CTCCTTAGGAACTTGCCCCG
HF03327	AGCCATTCGACCAGTCACAG	TCTACCTCCGAGTGCGGTTA
HF24033	CTCTGCAGACCGTTCCGTT	TGGCACAGAAGGTTTCTCCG
HF24031	GCTGAGCTCGTGCTCCTAC	GTGGGTACCGGAGTGACTTG
HF08868	TGCAGTCGATGGTTCTTCT	CTGCAGGGCTCATTTCTGGA
HF21999	CGCAGAGAGGATTGAGGACC	TGGCATCGACTCCAAGGTTT
HF31522	CATGGGCTGGACGATCAGAA	TACTGGTCCCTGCACTGCTA
HF10952	ATCACTGGCACCAGTTGAG	CTTGGCAGGTTACCCCTGAT
HF42042	GGCGTGTTGCAGAGATTGTC	GTTTGGTTCGAAAGCCGCAA
HF06112	GGGCCACAGAGGATGGAAAA	CTCACTAAGCCCCGATGAGC
HF05640	CTCTAGTTGACGCCAAGGCT	TTCCCTGCACGGTTTTGAGA
HF20213	TGCAACGGCGTTTTATGCAA	CCTTGGGATCCCCACCTAGA
HF24827	TAGGTGTGTGAGTGACCCCA	ATCTGTTGGAAGACGGGCTG
HF34501	AGGGCGACAACACTACAAGTGG	CGCAAACCTTTGGCACCGTAA
HF40595	GAACTTCCGGGGGAACCATGA	ATGGGCACATCATCCACCAG