Supplemental Information – Table S3. Gene sequences used for qRT-PCR amplification and the validation of expression levels of DEGs, related to Figure 3.

Gene ID	Gene sequence
c39673.graph_c0	GAGTACTCTATGGTTAAACAACTTTATTTCCAATGTTCAATTAGTATCATAATTGTAA- TAGCATCTAACATGAAAAGTAATCTCAATGGTATATTAAAATTAATTAGTGTATGA- GAGCCGCCACGCGCGCTACGCGTGCATTAAGTCAACTTCCATCTAATAATTGGTATAA- TAGAATTAATTAATATGTTTTGTAGGCTATGAACACGCCATTCCAACTAATCACAAAGTGAT- TTAACGAGGACGGAATTAATTTATTTCTAGTAATTGCACTAA- GAAACAAAACATAAAACTTATTGCAAATCTTAAATGAAGATTTGAAGAT- TTAAGTTCACAAATTTACACAAGTATTACATAACTAGCCAACTGCCACTTGATTT- GATCCGACATTGAAGAAACCATTCAACCACTTTGAAACAGTCTTAACATTACAAC- CAAATGGAATTGTGAAACTAGAATGATCTAGGCTTGGCAACAATGGTCGAG- TGCTTCAAAATGTGCAAACTGAACTGCCCACCTTTCTCTGCAGTGTCAATCTTAGATTGAC- CTGGAGGAGGCAAGAGCTCAAAGTTCTGTACCAAACGCCCAATAGTGATACCAAGAATTGG- CAAAGCAAGGATAATTCCAGGGCAGCTTCTTCTTCCAACACCGAAAGGAAGGTAAC- GGAAGTCATTTCCATTAGCCTCAACCTTGGACTCCTCCTCCAAAAAC- CTCTCAGGCCTGAATTCTTCAGGTTTCTTCCATTGGGCGGGATTGTTGGCGAGCCACCAC- GCGTTCACTAGGATTTTGCTCTCAGCAGGGACGTCGTAGCCTCCAAGCTT- GGCGTCGTGAAGGTTCATGTGCGGGACAAGAAGAGGAATTGCCATCCTAAGGCGAAGAG- TTTCCTTGATCACGGCCTGAAGGTAGGGTAGTTTGTGGGTGTCAGGCTCAGTGATTT- GATGACCAGGACCAAGCACGGTGTCAAGTTCATTGCGGAGCTTCTTCTGGATTTCAG- GATGATTCACTAGCTCTGCAATTCCCCACTCGATCGACCAAAGAGTTGTCTCGATTGCGG- CAACATTGATGTTCTCAACGATGTATAGAACGTTGTCCTCGTTGATTTCTCCCTTT- GTCTGAGCGTCCAAAATATGATCGATTGCGCATTTCAA- GCTTTCATTACTCATGCTCTTCGTGCTTGCCAATTTCTTTCTCTCCTCAACAAAGTAG- TCCTTGAAGAGCTGGAGTCTCCTTTCTTTTACTTCCTTACAAATCTTCAAGTAGCCTCTCAA- GAAAGGTCTCAAAATGGGAATAAAATCACCGTAATTGTACTCAAAGCTCTGGGCCAAC- CGACTCCTCTCACCATTCAAA- GCCTTTAATCTGTTAAACAAAGGATCATCCTGACTCTCGAATCTTC- TATCAAACATAATCCTGTACATGTTGTTGTACATCATAAGCTGCAGCCGCCTCCTCAAGAC-
c64297.graph_c0	CCCACATTAAAATCATGACCTTTGGGCATTTACAGATTCAG- GACATCCTGTTACAAATTTATTGCTTTCTCAAATTCCCAAGAATTTATGCATAAACACAAA- GCGTTGCCCAGGTTTGATGACGTCATAAGAGAAAAGGCACGATGCCTTAAACTCAATT- GACAAAACTAAACCTTCACACGATCAACCAATAATTCAAGAGTGAAAGCATA- CAACATAAAGTTACTGAACTACTAAACATACTGATGGAGTTCTCACTTCAAGCTTTGATGGG- GACACTGTGCAGCACAACGGTCTCGACGGTGAGCCCCGGCCCGAACCCGAACAG- CACACCCCAATCAAGCCCTTCGCCGGTGGTGGCTTTCGCTTCCTCAG- CAGACTTCTTTCTCATCTCGTCAAGGATGAACAGGACACAAGCGCTTGACATGTTACCG- TACTCACTCAACACTTGACGTGTGGCCTTCAGCTTCTCCTCTTTGAGGCCGAGTTTA- GACTCCACTTGGTCCAGAATTGCGGGCCCACCGGGGTGAGCGATCCAGAATATCGAG- TTCCAGTCGCTGATGCCAACCGGGGCGAACGCTTCCGACAGGCTTTTCTCTATATTCTTTGA- GATCAAGCCGGGGACGTCTTTAAGCAAATGGAAAGTGAGACCGACTTCGCG- CAAGTGTCCGTCAATTGCACCGTCAGAGTCAGGGAGGATCGTCTGCGAAGTCGACACAA- GCTGATACAACGGACGCTCGACCGACGTGTCAGGATCGGCACCCACGATCACAGCAGCAG- CACCATCACCGAACAAAGCCTGGCCCACAAGAGAATCAAGATGAGTATCGGCAGGGCCGCG-
c69613.graph_c0	GCGGGGAACTCAAGTTACTCTTTTAAAACTCCAAAATCCAACATCAAAAGAAAAGATTT- GCGTCAATGGCGTCCAACGCAGAAGATCAACAAAACCAACAAGGCAGACACCAGGAAGTT- GGCCACAAGAGCCTGCTCCAATCCGATGCCCTCTACCAGTATATTCTTGAAACCAGTGTG- TACCCAAGAGAGCCTGAATCAATGAAGGAGCTTAGAGAATT- GACTGCCAAACATCCATGGAACATTATGACAACGTCGGCAGACGAAGGGCAGTTCTT- GAACATGCTGTTGAAGCTGGTCAATGCAAAGAACACAATGGAGATTGGAGTCTACACAGGC- TACTCTCTTTTGGCCACTGCCCTTGCCCTTCCTGATGACGGCAAGATTTT- GGCCATGGACATCAACAGAGAAAATTATGAATTGGGGCTGCCAGTTATCCAAAAA- GCTGGTGTTGCTCACAAGATTGACTTCAGAGAAGGCCCTGCCCTGCCTGTTCTT- GATCTGCTGATCCAAGATGAGAAGAACCATGGGTCCTTTGACTTCATATTTGTGGACGCTGA- TAAGGACAACTACCTAAACTACCACAAGAGGTTGATTGAGTTGGTGAAGGTT- GGAGGGGTGATCGGGTACGACAACACCCTATGGAACGGATCCGTCGTGGCACCAC- CTGATGCTCCCCTTAGGAAGTACGTTAGGTATTACCGAGACTTCGTCTT- GGAGCTCAACAAGGCCCTTGCTGCTGACCCCAGGATTGAAATCTGCATGCTCCCCGTT-
c84089.graph_c0	ATCACATCACTCAACCTCTCTATGCGCCGAGCATATTATTATAAATATACAGA- GAGCTTACCCTTCTCCTTCAGCATCAAATTAATTAAACCTGCAGAATATAGTTC- TATGCCATTTCTTTCTCTCTGTATATACATTCTTCAGCTGTAATTT- GTTTTCATTTTAAAACATTATGGCTATCAATCTTTTTAGCACATACTTGCTTATTTTCAG- CATCATAGCTGGAGTCCTTGCAGTCGATCCTGACACGCTCCAGGATGTTT- GTGTGGCCGACACCTCTTCAGGAGTCAAGGTGAACGGCTTTGCATGCAAAGATAGCG- CAAACATTACAGCAGATGATTTCTTCTTTGCTGGCCTAGCCAAACCAGGAGTAG- TTAACAATTCAGTGGGATCGCTTGTAACGGGCGCCAATGTT- GAAAAAATTCCAGGCCTCAACACACTAGGCGTGTCCCTGTCCCGCATCGACTACAAA- GCCGGTGGCCTGAACCCACCTCACACTCACCCACGTGCCACCGAAATGATCTTT- GTGCTCGAAGGTGAATTGGATGTAGGATTCATCACCACCGCCGATAAATT-
c83333.graph_c0	AAAAAGGCTTTTAAATTTGGCCTCAATAGGCAGCGTTTTCTCACTTTGTGGTTTCTAAA- GAACCGTCAGACAAAAGACGTGTGTTATTTTATTTTATTTTGTTTATTTATTTATTTTTTAA- TAACGAAGACGGTGCCTGGTTAGGTGAGCTTGCGAATGACATGTATAGCAGA- CATTACTCCATTTCACAAAACTGAAGAAGAAGAAGAAAGAAAGATGGCCGTGATGGA- GAATTCAAAACCAACGGTGGAGATCAACGCACTGAAGTTCACGTATCCGGGAATCGAC- GGCCATCCTCCGCCGGGGTCCACTCCATTAATCAACGATTTCACTCTCACTCTCAATGCTG- GAGACCGGTGCCTCCTCGTCGGATCCAACGGCGCTGGAAAAACAACGATATTAAAGATAATT- GGAGGGAAGCACATGGTAGAACCAGAAATGGTGAAAGTACTGGGAAGGTCTGCTTTCCAC- GACACCGCTTTGACTTCGTCTGGTGATCTCTCCTATCTTGGAGGAGAGTGGAGGCGA- GAGGTTGCATTTGCTGGGTTTGAGGTTCCGATTCAAATGGATGTGTCAGCAGAGAAAATGAT- TTTTGGAGTTGCAGGAATTGATCCACGGAGAAGAGCTGAACTGATCAAGGTGTTAGACATT- GATCTATCATGGAGGATGCACAAGGTGTCTGATGGTCAGAGAAGACGTGTTCAAATTT- GCATGGGCCTCCTCAAGCCATTCAAGGTTCTTCTTCTGGATGAGATAACTGTTGATCTT- GATGTGCTAGCAAGAGCTGACCTCCTTAGGTTTCTGAGAAAAGAATGTGAA- GAGCGCGGTGCCACAATTATCTACGCAACCCACATATTTGATGGTCTGGA- GAACTGGCCATCACATATTGTGTATGTAGCTCATGGGAAGTTGCAATTAG- CAATGCCGATGGATAAAGTTAAGGAGGCTAGCAAGTTGTCACTAATGAGAACAGTGGAGAG- TTGGCTGAGGAAGGAAAGAGATGAGGAAAGGAAGAGAAGGAGAGAGA-

SUPPLEMENTAL INFORMATION – TABLE S3. Continued.

Gene ID	Gene sequence
c79426.graph_c0	AAATGACTCATCTAACTCCTCCTCACCTCCTCACCTCCCAACTCCCCCACCAC- CTCTCATTTCATTCTTCTTGACCCTCTTTCTTCTTCTTCTTCTTTAATTATCAC- TTCCATTCTCTCTTCTTCTTCCTCTTCATCATCACTCTCACAATGTCAAC- GCCGGCGGTGGGCTCATTTCCGGTCAATGATTATGATAACAGTAGTAATAACAA- TAACAACAATAATACAGAAGATCAAGAAAGCAGCAAGAAGCAACAGCAAAAAC- GCAGCGTTTCGTTGTTTAAACTGTTCGCCTTTGCAGATTTTTACGACTA- TATTTTAATGTCCTTGGGATCAATTGGTGCATGTGTTCATGGAG- TTTCGGTCCCCGTTTTTTTCATTTTCTTCGGAAAGCTTATTAA- TATTATTGGCCTCGCTTATCTTTTCCCCAAAACTGCTTCTCACAAAGTT- GCCAAGTACTCATTGGATTTTGTATATCTGAGTGTGGCCATTTTGTTTTCATCATGGATA- GAGGTTTCGTGTTGGATGTATACGGGTGAGAGACAGGCAGCGAAAATGAGAATGGCG- TATCTACGGTCGATGTTAAATCAAGATATAAGTTTATTTGATACTGAAGCTTCTACTGGA- GAAGTCATTTCTGCAATTACAAGTGATATTATTGTTGTTCAGGATGCTCTCTCTGA- GAAGGTAGGGAATTTCATGCACTACATAAGCAGATTCCTTGGAGGATTCATTATTGGTTTT- GCCAGAGTTTGGCAAATAAGTCTTGTTACTCTCTCTATTGTCCCTTTAATAGCCCTT- GCTGGTGGTATGTACGCTTATGTTACTATTGGCCTCATTGCCAGAG- TTCGAAAATCTTATGTTAAGGCTGGTGAAATTGCAGAAGAGGTTATTGGGAATGTAA- GAACAGTACAAGCGTTTGCTGGGGAAGACAAAGCGGTGAAAGTTTATAAAGAA- GCTCTTTCTAACACGTACAAGTATGGAAGAAAGGCAGGATTAGCCAAAGGCTTGG- GACTAGGCTCCATGCATTGTGTGTTATTTCTTTCATGGTCATTACTTGTTTGG- TATGTAAGTGTAGTTGTTCACAAACATATCTCCAATGGAGGCGAATCCTTCACTAC- CATGCTCAATGTTGTCATTGCTGGCTTGTCGCTGGGACAGGCAGCACCGGACATCACTG- CATTCATTCGAGCAAAGGCAGCTGCTTATCCGATATTTGAGATGATAGAGAGGGATA- CAATGAGCAAAGCCAGCTCAAAAACTGGCCGGAAACTAGACAAATTGTCTGGTCACATTGAG- TTCAAGGATGTATCGTTCTGCTATCCATCGCGTCCTGATGTGGCTATCTTCAATAAGTTTT- GTCTCGATATTCCGGCTGGGAAGATAGTAGCCCTTGTGGGAGGAAGCGGGTCTGGAAAAA- GCACTGTTATATCTTTGATTGAACGGTTCTATGAGCCACTCTCAGGGGAGATACTGTTA- GATGGAAACAATATTAAAGGGCTTGATCTTAAGTGGCTCAGGCAGCAAATTGGCTT- GGTTAATCAGGAGCCTGCCCTTTTTGCAACGACAATTAGGGAGAACATTCTCTATGGAAAA- GATGATGCCACAATGGAAGAGATTACACGCGCGGCCAAGCTTTCGGAGGC- TATGTCTTTCATTAGCAATCTCCCCGAAAGATTTGAAACTCAGGTCGGAGAGAGAG- GAATCCAGTTATCTGGGGGGCAGAAGCAAAGGATTGCAATATCGCGTGCCATTGTCAA- GAATCCATCGATTCTTTTGCTAGATGAAGCTACAAGTGCACTGGATGCAGAGTCTGAGAA- GAGTGTGCAGGAGGCGCTTGATCGTGTTATGGTGGGAAGAACAACTGTTGTTGTT- GCTCATCGGCTTTCTACCATAAGGAATGCTGATGTGATAGCCGTTGTCCAAGGACGCAAGA- TAGTTGAAACTGGAAGCCATGAGGAGCTTATTTCTAATCCAAATAGTGCCTATGCTGCTCTT- GTCCAACTCCAAGAGGCTGCTTCTCAGCAAAGCAATTCCTCGCAATGTGCTAGCTTGG- GAAGGCCACTTAGCATCAAATTTTCACGGGAGTTATCTCGCACAAGAACAAGCTTT- GGGGCGAGTTTTCGTTCTGAAAAAGAATCAG- TACTTAGCCATGGTGCTGCTGATGCAACAGAACCTGCAACAGCAAAACATGTTTCAGCCA- TAAAACTTTATTCCATGGTGCGACCAGACTGGACGTATGGAGTGTGTGGGACCATTT- GTGCCATTATTGCTGGAGCTCAGATGCCTCTTTTTGCTCTAGGGGTCTCTCAAGCTCTT- GTAGCCTATTACATGGACTGGGACACAACACAACGTGAGGTTAAGAAGAT- TACAATTCTGTTTTGCTGTGCTGCAGTGATCACAGTCATTGTTCATGCTATTGAG- CATCTCTCTTTTGGTATCATGGGAGAGCGTCTAACTCTTCGCGTGCGTGAGAA- GATGTTTTCAGCAATTTTGAGCAATGAAATTGGATGGTTTGATGA- GATGGACAACTCAAGTTCCATTCTTGCTTCGCGGCTAGAAAGTGATGCAACTTTGCTAC- GAACAATAGTTGTTGATCGATCAACAATTTTGATACAGAATTTTGGTTT- GGTCGCCGCCTCATTTGTCATTGCTTTTATCTTAAACTGGAGGATCACACTTGTTGTCG-
c83287.graph_c0	GGGCAGGTTAATTGCGAGAGTATTATTCATCAAACAC- TTCCTTTCTTACATGTTCATCTATAATTTCATATTCATGCAATTTTACAATCG- CAAAGGTGAAGAAAAAAGAAAGCCAGTAGAATATTAATTATTACATAGAACTGAGGCAA- GCATGCATTCTACAAGCAAGCCCTAAAACTTAATTCAAAGAGCAACAGGG- TATCTGTCAACACAGTCAAGCCATGGATTCCTAGCAGGCTTCTTGACACGGCGCATT- GCCTGCCAAACAACGCTATTGCACTTGAACCCCGAACCAAACGCTATTT- GCCAAACCCTATCTCCTCTTTTAACTCTCTCTTTAGCTTCCAAGTACGCTAGTTCAT- ACCAAATGCTACTGCTTGACGTGTTGCCAAAGCGATGCAATGTCATTCTCGAC- GCCTCCATGTTCTTTTCACTCAGCTCAAGGTTCTTCTGCAGTTCATCCAACACCGTCTT- GCTCGCTGCATGCACGCAAAAATGCTCAAACGCCAGCTTGTAATCGGGAATGTAGGGCTTT- GTGCTCGCTAATGATGAGGAACGGGACTTGTCGGCGCTGCCGCTGAA- TAAGTGGCGCCAGACTAAGGTGGCGAAGAAGAAGAGCTGTTCGGAGAATGGAAGAAC- CAGAGGCCCCAATGTCGTGATGTTTGTTTTGAGAGCATCACCCCCTATTTCCATTA- TATTTTTACTCACCTTCAGCCCTCTGAATCCTTGTTCATCTTCCTCTTGGTAAAC- GCTCCTGAAGCTCCGGTCATCGGCGCCGGTATGCGTGCGGACGATGAGCTGGAGGCGG- TACTTGGCGCGGTGATAGTCCCGTCGCCGGTTGGACATGAGGATGGCGGAG- CAGCCCATTCGAAAAAAGCAATTAGGAATCATCATGGACCGGTCTCGGCCCTCGTAC- CAATTATAGCCCACCATCTCAGTGCTCACAACGACAGCATAATTATTATGATTAGCCTG- CAACATGTCCCGGGCCAAGTCCACTCCAATGACGCCGGCGCTGCAGCCCATGCCCCCAA- GATTGTAACTTATGATATTCCCTCTCATTTTGTAATGGTTTATTATCATCGCTGA- GAGCGATGGTGTGGGATTAAAGATGCTGCAATTCACGACAAGGATCCCGAC- GTCCTTCGGCCTCACCTTAGTCTTTTTGAATAGCTCGTCCAGAGCTCCAAACATCAC- CATCGAAGCTTCTAAACGACCGTGTTTCATCGTCATGCAGTTCTCCTCAGCAGACATCAC-
c83745.graph_c0	AGGAAGTCCACTAAAATTGCACGTCCAAAGTTTGGAG- GAAATGGTTAGGTTAATTATTATAAACAAACAAAAGTTCTATCAAGATCTTTGATAGGATA- CACTGATAGACATTGCAGTTAAAAAACCATTTTACTCTTTTTTCGAT- TTCGAAAGGGCTTTCTTCCTCTGCCCAAGCATATATGTATACATATGAGGACTACCTGG- CACATAGAATCCAAGCACAAGAATTGCAGCGTAGAAGTAGTCAAAAGAGAAATTCCATTT- GTTTGGCATTCTAAGACAATACGTCTCGGATTCTTTTATGTATGGAAGGGCAGTGTAAATAA- GACCAACTTCACTCGTAATGCCAGATGGATACAACAGCAAAAATGTGCTATAC- CTCAGCCACAAGAGCCATGAAGGTGCAAAACCAAGTGCCTCCTTCATGCCAAAGAAAGAG- TAGCGAATAATCTCAGTTAAGGACCAGCTGATCACCAATGAACTAACAAGTATATGAT- TCTGAGTCTGAGGAAAACTCCATAAAATGCCCCATGTAACATACAATCTAGAGCTAATTT- GTGGCAGTGTAGCTGTTATTGGAGATCTCACCAAGCCCAGAAGACCATGAA- GAATCTCCAAAACGGCGGCGGTTTGGGCGAGCTGGAGAGGCCTTTCGACGGCTTTGTAGA- CATTTTCGTGGCCGGACTCGTTTAAAGTCTTCAAAGCAAGGTACAAAAC-

SUPPLEMENTAL INFORMATION – TABLE S3. Continued.

Gene ID	Gene sequence
GQ389668.1 (endogenous control gene)	ATGGCAGAAGCCGAGGATATTCAGCCTCTTGTTTGTGACAATGGGACTG- GAATGGTGAAGGTATTTATCCAAAATTCAAAATCGGATGTATCTTC- TATTATTAACCCAGAAGTTGAATTTTGTGATTGATTTTAATGG- CAATGTTATTATGTTAGGCTGGATTTGCCGGAGATGATGCTCCAAGAGCTGTGTTCCCCAG- CATTGTGGGTCGCCCTCGCCACACTGGAGTTATGGTTGGTATGGGTCAGAAAGATGCC- TATGTTGGTGATGAGGCTCAATCCAAAAGAGGTATTTTGACTTTGAAATACCCAATCGAG- CATGGCATTGTTAGCAACTGGGACGATATGGAGAAAATCTGG- CATCACACATTTTATAATGAGCTTCGTGTGGCTCCGGAAGAGCATCCGGTTCTTCTCAC- TGAGGCTCCCCTTAATCCAAAGGCCAATCGTGAGAAGATGACACAGATTATGTTTGAGAC- CTTTAACACCCCTGCTATGTATGTTGCTATCCAGGCTGTGCTTTCTCTC- TATGCTAGCGGTCGTACAACTGGTAAGCACTTCTATCAATTGCCTGATTCTTTGCTGTG- CAATCTGATTCGTGGATAATTGTGATATACAGGGTGGTGAAAGTTTTTGGACATTAGGGGAT- TTTTAAAAATTTTGTATATTTTAGGTGATCTATGAAGTTAGATATGAT- TTTCCTTTTTTTCCGTCAAAAAGATCAAACCCTTTATATAC- GCATCACATAGTCATTCCTTTAGTTAAAAAGTT- GCCATCAAGGCAGGGTTCACATTTTCAAGTAGTTATAACTAGATCGATTATTCTCACAGAC- CTGATTAGTTGTGACTATTTCCTGTGGAACTTCATAATCATAATGGTGACAATT- GTGATCTCATGCTGACTGAATTATTAACCATAGAAGGTTGTTGGAAAAAAAATTATTTTTTT- GCTTTGTGTTGAATAATACTTGCTTGTGGAGCCTATTGATTACATTTTGGACTCACTGTGA- TATTGGCAATGCATCTTAAATATCATGTTTATAATT- GTGTGTGTTTAATTATTTAGGTATTGTTCTGGACTCTGGAGATGGTGTCAGCCACACAG- TTCCCATCTATGAAGGTTATGCTCTTCCACATGCCATCCTCCGACTGGACCTGG- CAGGTCGTGACCTTACAGACGCCCTTATGAAAATCTTAAC- CGAGCGTGGTTATTCTTTCACAACAACTGCTGAGCGGGAAATTGTTAGGGACATGAAGGA- GAAATTAGCCTACATTGCTCTTGACTATGAACAAGAGCTAGAGACAGCAAAGAC-