

Supplementary Information

Table S1 Gene prediction and annotation of the reference genome of *Penicillium citrinum*

Gene ID	Coding sequence	Annotation
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PCI_1611	a t g t c c a t c g a a t c t c t g g a t t t t c a c a a t a c t g c c g c a a c g a t a g t c a a g a g c g a c a a c a g t t t g t c a c g a c t t a t g c g a a a c c c t c t c a t c a c g g a t t t g t c a a g c t t c g a a c t c t c t t t c a a a g a g a c a a t t g a c c a g t t g t c g g a t t a a a g c a t t t c t c g a t c t c c c a a c a c a t a a a a g c c a a a g c g g c g c a t t c a g a g a a t c c a a a c c g c a t c g t g g a t g g a g t g a a t c g g c c a g g a a a g t g a t g g c a g a t t t c g a a g t t t g a g c a a g g g c a g a c c c a g a a t g a g c g t t a c c a g g a g t g t c g t g a a t c a t t c g a t c a a g g g c a g c t g a c g a c a a g c t g t t c t g a a c c g a t g g g t g a c g a g g a t g a t c t g c c a g g c t t t c g c c a a t t c a t g a g g g c g t c t a c c g c g a a t t c c a t g c g c t t a t c c c a c c t c t t g c g c g c t a t c a c g g c c g g a t a g g c t t a t c t g a g g a g c g t c a t c t c c a a g c a c a a a g c a a t a c t a g c g a g t c g a t t g t g c a c t a c c g t c t a t t c c g t g a t t t a t g g t g t c t g c c a g c a a t t g g c a a c a c t c t g a c t t t g c a c t c c c a c c t g t c t t g c a a g a t t c t g t g g g t g g c c t g c a a g t t g a g g a t c a g c a g a t g t t g a a t a g c t t t a t t c g g t g g a t c g a a a g a t g t a c g a g g t g g c g a t t g c c t c c a g a g a t g a c g a a c a a a a g t c a c g t c a g a a a t c a t c g t a t g t g g c a c c c c g g t a c t c a g t g g c a t a t t t g g c a a g c c g g a t a g a g a g g t t t g t g a t a c a c t g c c t g a g t t t t g t c c a g g c t c c a a g t c t g a g t a c a a t g a t g g c t t g a c c g c g t t t g a a t a a t a c a g t t g a a g c t g g t c g t a c t a t g g c t a a	2-oxoglutarate- dependent dioxxygenase htyE
PCI_1612	a t g a t c g a a t t t c a t t g a a t c t c a c t t t g t g c a a g a a g g a a t c a t c g c g g t a t t t c t a t t a c g t t g t t t t g g t a c t g g c t a a c c g a t t g a c t a c t g g g a a t a c a t a g t t c a a a a g a a g t a c a a t g g a t t g a c c g a c c t c a a g a g c g t t t g g c t a c c t t c g t c g a a g g c g c g g t c a t t c t c g t c a t g a a g a a a c a t c a t g c a g g c g t a t c t c g a a t g t a a t a a a a a a g g t c g a g c c g c c c a t c g t a t t g c a t t c g g t c g a c c g a a a t c a t c c t c c c c g a a a t a c a t t c g a t g a t a t c g a t c a a c c g g a a t c a g t a c t c a g t a t a g a t c t a t a c a t a c g a g a t t t c a c g c t t t g t g c a g g a c g g t a g t t g g c g a c c a c t c a g t c a g g a g g t a t t g c g g a a g a a t t a a c c a g t a c t t g g a c g a a t g a c g g c g g a c a t a a a c g a t g a g a t t g g a t c g g t g g a t g t t g t t g g g g c a a t t c g c c g a g t g g a a g a t g a t t c c c t c a a g g a c a g c a c a c g c a c g a t c a t c g c c c g c a t t a c c a a c c g t c t a t t c g t g g g a a a g a a a t a t c c g a a t g a t t a t c c g t a a t g t c g g g t t g g c a t g g c g g t c a t g c c a g a g a c t g t t t c a g g a c c t t g t t c t c g g c c a t t g a a g g g c c t c t t t c a t a g t t g t g a a g t g g a t c a a t c g g t t c c a t g g c t g g g t a c a a c c g g a t c t g c a g c c c a t a g t c c g a a c a a t c c a a g c c g t g c g a c a g a t g g a g a t g g c a g a a g a a	Cytochrome P450 monooxygenase ecdH

	ggtagacgataatccagaagaaaagtcacctacctcccgaacgacttctgacttgatagtgacgcgtgctgtccgtcgtgatgagtcctccggccgatatgaacagcatgtaattgcccgcctgggcatggccaacctggcttatcgaaacgacgaccaactatgagcaagtgcttagcggtatattaccacgctaggtgaagctcaaggctattgggaattggtaatagcagaagcgcagaaaagtctgcacgactgccagaaccggccgggtcaagaagacatcgagaagctgggtgcataatcgaaaatgcgtgaaggagagctgcgggctagctgtcgtcttcccgggacctcattcggaagtcacctgccctacaggggtgaccttggtgatggccttcatctgcgtgcgggtgcgcgtatcagtggtgccacctatgccatccaccgacgatgatatctggcagatgctacgacctataatcctgcccgccatgagaggtccgaggtccagccgaccagacaaccgcgaaggctccatgcgcgacttcccatgacccgtgcctctgagagcttctctccttttggactgggaaagcgtgctgtccgggcccgttcttgaacagatga	
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PCI_1614	atgggttgcgtgcgcgtccgtgcgtgatgatgaagccccgacgaccggggaagccaagatagtcgatcgcaagttactcgagcactgcatctgatccgcaaacacattcacagaccgtgcgcccggaagacatccaatgtcgccttaaatgaacattataatgaaccgatccgtctacatgatgtgtacagcaaacgtcgaacgtggaaccgcgcgacttggatcgcgagcgtcgcgaattttcagacaaggggtgacgggacgcccggaggtatgggcccgcgatctcgactgccatcacgttgatgcgcagcagtgatcttggtaaggcacagagtattatgatgctgctggtatcactgttctacgggtgacttctgtgaaggctgtacgatcaacaaggggctcttattcgtctaccgaatgtattgtcagtgacccggtaatatggctcaggatgagtcgacaccgacggcgaatcagtcgaggatgatatcgggcaggatgatgatatcgaggcgttctcagatggcaagcttcgactgacgatgcatcggtgacgagttgatccgaagatctagaacgtcgcctgtgacgaaaagggcaagactagtgcgcgatctcatcagtggttgcgtgccgactcagtgatcgtggtggacgatctcgtgctcgtgggtaagaatcaagatttgggttttggctcgaaagggtcatcaagaggagagcttccaatttcaacgcgttcgccttgatattcttggtcgatgctcaaaagatcaatcacttctcagcaaggggtggcagagcagtcatactgtcagtgcccttgttctcacgagcttcttgtaa	Hypothetical protein
PCI_1615	atgaccgcgaagcgtccccgcggcatttgaggccgaccagattgaaagtcggcctccttatgtgtttatggcactccttgcctcgttctgatagggttattcgcgataggctcctatatccagtcgtgaaacagggaagtaactgatgagcgcgggagaaaaacgacttcatggcgcctttactgggtggtcagtgccgggtacttcaacagcgttggctcgaaagaaggatggacccggctacattcgtgtcttctcgccaaaaatcgagcccgcgatgcgaagcaaaaaacacagcgacccgaggattttatggacgatgaagatcagggaacaagaggagtcacggaacttcaaacgcggacgaattcgtgcttcgggtccaccaatagagatccaatcgacgaacgggactgatggacctactcaaaagtggcggcgaaacaatgggtgtcaagcttttgaagaaaatgggtggcgtgaaggtcagggaatcgccccaaaatacgacgaaggcagatctgggagagctcagctccagggtggccagatgcccgaagaatgatctttttgcgtgcaaaacccaccaatgtgtgtccttaccgcaagctctgattttaaagggtctggggtttgcgggagagtcgaagattgattctcaggaggcttcacaggaggagtcgaaggagacagattcgttcttgggtgaccgtcttgcagtcacaaacaaatctagcaagtcgctcaaaccaaacacccgcgagaggaggttggagttggcatcctcaatgacactggctctgatgacgaagatccttactcgttggacctcaatctcatataaaaaaatcgcggtgataaaaagaagaaaaagaaaggcaaaagcagacgaagggaagcctacgattgcttctgaatccctcgtctggggataaacctgttttcatttcaaaaagggtgcgcgtcgtcagaggagccggcggggttcagaaaaatgtcgggatggacgcttaccgctggacgggttgttctcgcgcatagcttctcgggtctgtccctcgcggagaaaaaatcagacctcccgagattccccaggattggacgtctagcaaa	G patch domain-containing protein 1

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PCI_8853	a t g t t t g g c c g c g g a t g g t g t c g a c g g a t c t t g a t a a c a a t c c t t g c c g t a c c a a c t a c c g t c a t t a t c t a t t t g c c t g t t c t g t a t c a t c a c t t t g c t g a a a t a t t c g g t c t g t t c a a g c c a c a t t c c g t a t t c a a t c a c c a a c a a g a t a t t g c a g t c g c c c a c a a g g t c a a a a c t a a t c c g a a g g a a c c c g t g g t a c c a a a a t c a t c a t c a a a t c t a c c a a a t t g g c a t g a t g c c a a t g a c g a c a c a c t c c g g c a a g a c t g g g c t c c g c g c g a a a g a g t t g c c t t g a t c c a t c c t g g c t g g c a g c a t a t g c t g t g g a c t a c c a a g a g t t c g c g t c a g t t c a t c g a g g a a g t t c c c t t c a t t a c c g t c t a c g a t a g a t a t c t g t a t c c a g t g c a g a a g g t a g a t g t a t c a a a t a c t t c g t t c t c g a t a c t a t g g g g a a t t a c a t c g a t t g g a c a a t g g g t g t g c t g c a a g c c t a g a g c c a c t g a g g t a c c c a g c a t t c a c g a c a g a t g g a g g t c a t g g a g c t c c a g c a a a c a t a t t g g t g g g c a a g c t g g a c a t t a t c t t t c t c t t a a c a g a c a a c t t g g c t c c a t g g c a a g t g a g t a c t t t c t a c c t t a c g t t a c g a t a a t g t a t g c c a g t g g a c a g t g g t a t t t a c a g c c a t g t g g g a g a a a t a c c a c t a c t t c t t t c t c g c g a g c c t g c g a c c c t c c a c g g c a c t a a a a a a c c g g g t t g g c g c c t c t g c a c c a t a t t c t a t g a t a t g c t c t g a c t c g g a c c c t g g g t g t t c t t c a c t c a g g t c g a t g g c a a t t c c t g g g c a a a c t g g g a t a a c c g g a t a t t c t t t c a t t g g t a t c a c a t t g c a t c a t c t a t c t g t c t t c a t g a c g a t t t t g c c t t c t a t t g g a t g g g g t t a t g c g a t a c t g g a c t a g g a g g t t c a a g a t a g a t t c c a a g c a a t c g t c a g c c t a g	Mannosyl phosphorylinositol ceramide synthase SUR1
PCI_8854	a t g g a t a g c t c t g t g t t g g a t a c t c a a t g g a t g g t c t g a c g a c g g a t t c a t a c g t a g g g a a t g a c t t c a c c t c t t t t t a g a c a g t g t t c c g t t g c c a a g t a c c c t t t c t c c c g c t t t c a g c c c t t c c c t a t t a t c c c a c c a g t a c t c t t t t c c a g g c a c c g a t t a t g a t c a g g c t t c g a a a g a g a t a a a g a c g t c g c a t c c t c a g a g a c g a a t t a a c g c c t t c g a t c g g t g t c g c g c g c a t g g t g c g c a t c t g c c a t c c c t c c a g c c a g a g g g c t a t c a g a c c a c a g c t a a a g c g c g t c a a c c t a c a g g a t t c g t t c c a g t c a c g a c g a a t g c c g c g a t a g a a t c c t t a c a c t c c t g a a a g a c t t c a t c a c t g t g g t c c c g g a t c c t t c c c t g c c g t c t c g t a t g c g t g t c c a g a t g t c t a c t g g c t a c t t a a t g g g g t t c a t g a c c a c t a c c g a t t a t a c a a g c c t a c a t t g g a t g t g a t a c c c t g g t c t t c c a c t c t t t c t t c g a t g g c c g c c t g g g t c c c g c t a t a g t c g g g a g c c t g a c a c g a g t a t g c g t t a t a c c a g a t c g c c a a a c t g t a a c t c t g g a g c a t t a t c g a a g g g a t t c c a a t c a g g c a c t c t g c c a a a a t g a a c t c t g c c a a t g a c g t c g a c a c t c t a g a g a c a g c t c a a g c a c t c c t g a t g t a a t g t c t g c t t c g t g g t t g t g a c a a t c c c c a t a c c a c g a c g g t c t a t c a t t t c g a g t c t c t g g c g a c g c t t c t c a g c a a a g a t g g a c t a a a t c t t a c c g g a g c a a g a t g g t c a t g g g c t a g t g g a t t c g a t g g g a g c g t g a a g c g a a c a a a a c t c a t t a t t t t c t g c t t t t g a a t t a t c a a a c a t t g t g t c g a t a t t c a c c g a t g t t a c t a a c t g a a g a a c t g t c t a t g g a g c t t c c t g c a c g g a a c g g a g t g g c a g g c t a g c c t g a c c a a t a t t c t c c t g g g c g g a a t t g t g t g a t t c a c g c t t t g c t t c a a g a t a t t g g g t g a t g a c c a a a t c g a g t c g g c t a g c t g t c a c g c t a t a a c c g g c t t g g a c c a c a a t a g c c t c g a c a c a g g g c t t c t t g c a g t g g a a a g c t t a g a a c g t g g t g t c a a t g t g g g a g c g a a a t c a a g a g t c a t c a a t t g a c c a c t c a a c c c a c a t g g g c c a t t a c t t a c t t c g g c g c c t c c t g c g g t a g c a t a t a t c c g g c t c a a t g c a g a c t g t g g a t c c g c a c g g c a g c a g t a c a g a c t t g g g a t c c c g c c a a a a t t g c c t g a g t c t a a t g a a a c c t g t c t g t g c a g c g c g g a g a t c g t t a a c g a g a g c g g c g c t t c a c t g t g c g c a c g c c c t t a g c a c g c c c g t g a a g c t c g g c a t c g g a t t g t g g c t a c t c g c a t g c g c t a t g g t g a a c c a a c a t g c c c a t g c t c t t t g g a a t g t g c t g t t g t a g c c a a g t g g c t t g a g g c a g t c a c c g t g g t g a a t c c c g a g c c c a g c t t g a c g a a c c a g g a a a t t c g t c t g a g g a c t t g t a t t g g a g a t g g t g a t g g a g g t c a g c a c g g g c t c t c g c g t g a t g g c t t c t g g c g a c g a a c a c t a g g c t t a g t g a c a a g g c t g g g c t c g t c t t t c c c g g a t a c a t c t g g g a g a t g g t g a a c t t a t t a c c g a t t a c c g a t t a c t g g a g c a g a a a a a c c c a t g t a a	C2H2 transcription factor
PCI_8855	a t g g c c c a t c t c c a c t a c c g c a a g c c c t a t c t c a c a g a g t t c t a a a a g c c c t a c a c t c t c a a t c t c a c c c a a g a a t c a a a g t t a g a c t g g g c t a g t c t c c a c a g c a a t g c a g a t g a t t c g a c a a t a t c a t g c g c g a a g t t c a t t g c t t t g g a c c a a g a t a a a t g c g a a t t a t c a c c a c t t t c t g c g c a g c a t c a a t g a a c a c a c t g t c t g g a a g c a g g t a c t a g t t t c g c g c g t t c a a a a t g t a g c c c g g t c c a a t a g t g a t a t c c a a a g t g g c g a g t c a t t g t c a c a g a g a a g g a a t c a a g c a a g g c t a g t g t g t g t g g a g a a t t g g g a g c g t g t g g a g c g a g a t t a a g g a t g t g a t t g t g c g g a t t g g t g a t t g c g a g a g a c g c t c g t c a a a g a t t t g g g a c g g t t g a t t c c t t c t t g a t t t g g a c t c c g c t t g c c t g c a c t g a a g c t t g t c a g c c g c a t c a g c c g a t c a g c c a t t g a g a g a t t g g g a c t c g t c t t t c c c g g a t a c a t c t g g g a g a t g g t g a a c t t g a t t g g a c g g t c a t t g a a c a g t t a t c c c g a t t a c t g g a g c a g a a a a a c c c a t g t a a	O-methyltransferase, family 3

PCI_8856	atggagaagaataacttctcaaccctccccaaaaatgaagaaggcgtgttctaccagggggaccaactcgatccttcaatccccctcaatccccggcaacaacaaactaccgt ctcaaccacctcgccattcgatcaaatgacccgcccgtctctacacttctatgctgatcttctcggtatgctgagtagtattctctatgaacgcaggtccctttacgatctactatctcg gtcaccacccgcaaacgaggtatgtgaacgaatgggccaagaaaactagtgaatccccaccatgaccggacaagtgtgttacttgaattatacatgtacacggcaccgaggt cacaattcagagtgcaagtgtatcaaccgggaatgtcccaccgaatctgggatttggccatttaggctttacagttccggatgtgagtggtcggtggagagattgaagggggct gggggtgaggattcctaaggatgtcggggtgtgtgagagggaggatgtcctttgtcggagtgaggaggtgagagggggattggagttggtcagattcatcctaattatgcttggtt tttgagagatttgctatgggtgctgatccggatggatattctgtggaactgatccctcaaaatatttcacgaagtag	Lactoylglutathione lyase
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PCI_8858	atggttaacttcaactcttgaggagatccgtggcctgatggacaagccggccaacatccgtaacatgtccgtcattgctcacgtcgatcacggaaagtccaccctgtccgatgccct tgtccaccgtgcccgtatcatttctgcgcgaaggctggtgagggtcgttacatggacacccgtgctgatgagcaggaccgtggtatcacatcaagtccactgcatctccctgt acgccaagtccccgaccccgaggatcttaaggagatccccagaaggctgatggacacgagttcttgatcaacttgatcgattccccgggtcacgttgatttctcgtctgaggtta ctgcccgtctccgtgtcactgacgggtcccctggctgtgtcgtgactgtatctccgggtgtgtgttcagaccgagactgtcctgctcaggccctgactgagcgtatcaagcccgtc ctgtgtatcaacaaggctcgaccgtgctctgtgtgagctgcagtcaccaaggaggatctgtaccagtccttctcccgtaaccgttgagtcgtcaacgtcatctccacctacttcg acaagactctcgggtgacgttcagggtttaccccgacagaggtactattgccttcgggtcgttcacggctggtgttcactgtccgcaggttcgccgtcaagtacgccaagaagt tcgggtgttaccgcaagaagtgtcggagcgtctgtgggggtgacaactacttcaacccaagaccaagaagtggaccaacaagtcaggacgacgagggcaagccccttgagc gtgcttcaaccagttcatcttgaccccatcttcaagatcttcggcgtgtcaaccacaacaagcgcgatgagatcaccactctccttgacaagcttgagatcaagcttgccaacg acgagaaggagcttgagggcaagcagctcctcaagggtcatcatgcgaagttctgctgctcgctgctgatgccttctggagatgatctgtatccactgccttccccgcactgc ccagaagtaccgtgcccagactctgtacgagggtcccgagacacaaggcctgcattgggtatccgcgactgtgacccccactgctcctctgatgctgtacgtctccaagatgggt cccacctccgataagggtcgtttctacgccttcgggtcgtgtctacgcgggtaccgtccgctcgggtgcaaggtccgcatccagggtcccaactacacccccggaagaaggag gacttgttcatcaaggccatccagcgtaccgtcctgatgatgggtcgtattgtcgagcccattgaggatgtccccgccggtaacattgtcgggtcgtgctggtatcagttcctgc	Elongation factor 2

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PCI_9491	atgaagtgggttatcttcttgaactcggccttggtattggccggtcgaccaaaagcctctgtctcgcagataaaattatcgtctagaatccatctcgaggatctcttgaagggtac acagcagctcgaggattttgcttatgcataccagagcgcgaaccgtgttttggtagcgcagctcataatgatacgggtgacttcatctatcgagagttgaaaaggactgggtattac gatgtctggaagcagccacaggtgcacacatggactactgcagattcatctctgaaattcaatggagattccattgacgcaactgtcatgacatatagccccagtgtcaatgtta gctggaggtgaggtatagcgaacctcgatgtactgctcggattatccttcagtggtttctggccgaattgccttagtcaaactgtggcagtgatcatttgcaaaaagtcaattc ttgctggctgcggccgatcgggcggtgattgtctacaacaatgccgaagatctcttagcggaaactttgggtggcgtctccagtgaggataccccttactctgcgattgcggg tatctctcagacagatggcgagaagatacttagtgcgtcagcggacgggtgctgtgacctgttcttgaaatagagagtcgcatcgaaaaccgcaccacattcaacgtgattgccg agaccaagcatgggtgatcacaataatgtggtatcactaggcgggtcataccgactctgtggaggctggaccagggttaaatgatgatggttcggggataatcagtaacttggtgta gccaaaggccctgacacgattctcggtcaagaatgcagtgagggttcttcttgaggacgcagaagaatttggtctgttaggcagtgagttttatacctgaaacctgagtgacgaagaa ctggctaggattcggctctatctcaactttgacatgatcgcttcaccgaactacgcccctcatgatcatgacggcgatggagatgcattcaaccagactggcccggctggctcggc ccagatagaggcactattcgagaattattacaagtccaaaaagctgcatacatcctacggctttcgatggtcggctgactacgacgggttcatttctcgtgggtcctgcagga ggcattttcacccggcgccgaaggcgtgaagactgcaaaagagctaagctgtttggagggtcacgaaatgtgcatatgacgaaaactaccatgcggttggagatactttgcaa atctaaccatgaggcattcctgatcaactctaaagctacggcatttgtagtagcgttatgccaccgacctttcatcgatcccaaacgacagaaaaaacgaacacgcgaaa gataaaaagagcacctcgactcatgctcataccaagaacacaggatgcttcactctcgagtcgagcagtag	leucine aminopeptidase 2
PCI_9492	atggagtctcaattatcggtgatcgtatctaaccgcgatgttccttccccctggggagatggagatcccgaatctactgcagaacatgtggagaggctacgggagtggtgtca gaaccagaccactgcaccgccaactgttctccaagtctaccattatcggtctttttgtcgggttctgatggagagaaaagcattcaagtgaacatttctgttcttcaatgcgagaa cccgaataaccattgaccagcctccaccatcaatctattcgttacggcaaccagaatggatgtcgaaagccgaattcttcaatagcagcctacgttcaaggagtagattcttggga ggcgttgactacattcaaatcgagtcaacgacttcttgaaagcaagaaaaatgaggccaatgtacagaacaagaaaagttggataggatcgcccaggggctattgtaag agtttgggtttacttctatctttatcaacgcgaaaaaagagacgatattgtgaacctagcgccatcatattcacttactggttctgactagcaggcaagccagggttactatgcct cgagggcatgtcagcagatatcgactcatacatgagttcatcaaaacgaattcatggggggatattccagtcaccaaaaagaaagtcagcgagaggtttcgtgaaatccaaggt gttcagagagtatttaccgggatggaggagattacagacactctgggtgaacggagtggttcagcgagcaaacggagcgatatgcaagccctggaagcatggctaggatcga aaggattacagactgccttcgagaagggtgatattctga	Hypothetical protein

PCI_9493	atgttctcgcaagggtgtgtactcggctcgagtaattctgcttttgcaccaggaggaaatcacccgatcttccgccccattcaaaagtgcgatcttctgtctgcgttggggcttcgatga atatcctccagggaacttggatttcacatctccgctgaagcccacgaacgggatgcagcttcacggactgcattggaattgcaggccgggttcggcggtctgtttatcacaaaggagtc aaccgatggaagagcatttgggtcagatctccggaggtctctcagaagaggagctacgcaatgaaatccagagcccatatcgattgacattccaactacatgtctatgggtctaa agatcctcggtagtccgcccggagttcatctctcgggagtagcaaccccgaaaaacgtcgaatttacaatcacgggggtggtagaaatccctcgtaaccaagaagtcagctctt cgatagcagaattgttctctcgggccattgattcagcaaaaggcctaa	Serine hydrolase FSH
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	aatcttatcatggatactttcgctgcactagcttggcaactgatgctccaactgagaaaattctcgaccgtaaacccactcctaagagtgcctcgctgttcacactggcaatgtgga aaatgatactcgggtcaatcagtgtaacaagctcgtataattttacgctctactttaccgggtgacaatttgctcgatgctcacctggacagtgctgatatggggcatcgctcaaaacag ctctccacagtggtctttaatacctttgtctggatgcaaatcttcaacgaactcaacaaccgcccctcgacaacaaattcaatgttttgaaggcgtgttacgcaactactggtcttg ggcatcaatgccgtcatgataggtggccaaatcatgattatttcattgggtggcgagcttcagtgtaaccgggtgtgctgggtattctctgggcaatttgattatctgctcgtaggc tgtttgcttgggcaattgtcttgcgcatgatactgaccgacaattcggattgtgttaacaccgtgtgctgatgcaatggcattaatttgcggcccatcgtaaatgctttaagat tcgtcgtgaactgaagaagctttgccgaccagtgatcgctttactcatcgcaaacctcttgcgatgcgaagaaagcaagggtggccgagcgtcattgagattgtcggatattc cttctataaatgagattcatgttatggatgaagggtctcctactccggctcgacaggaaagtctgagcattcgtggacggcatcagctatttccgtgccgccaattacggttaccgc atacccttga	
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PCI_9497	atgaataccgctattactcgcggtgtaacaaagcccagcaagcgactcagtcggtgtcctccaaagacaaaaagatagtggaacttcccgagacactgttgatgtacacacca acgaaccacaaacacggatcatggtgttcgtatcgaaaaccagataattggctaaaagtgcgagcggctgtgaaactggaccgtctcttctggaggatcagatcgcaagag aaaagatccaccgttttgaccatgagcggattcctgagcgtgtcgttcatgcgcggaacggggcgctttggcaatttcactctctatgaaagtgtgaagatgtgagccatgcc ggaattctactgacacatcccgaatacccgatgtttctcgcgttttccacagtacaaggaagcagaggtagtgcggaacaccgtgagagatgtaagaggcttcgcggtcaaatt ctacacggacgagggaaattgggatattgttggaaacaacattccggtgttttcatccaggattccataaattcccaacttcttacacaagtgcacgccgtgaagccggaacc acacaatgaggttcacaggctcagactgcacacaataatttctgggatttctctatcttcatcctgaagcgaccatattgtcatgtggcgatgtctgatcgagcaattccccgt cgtatcgatgatgaaggtttggcgtcaatactattccttgattaataaggaaggtaaatgccatttgaataattccacttcatcctaagctcggtgtccactctctgtgtggga cgaagctctgaaactcaccggccaggaccctgacttcaccgcaaagacctcatggaagctatagataacgggtgcataaccacaatgggactttgccatccagactattcctgaa gagaaggaacatgatttcgatttcgatatccttgatgaaccaaggtttggcccgaagagcttgcctcttctgcgattggaaagcttgagcttaataagaatgtggaggagttct tcctcaaacgaacaagctgcattctgtactagccatattcctccggtatcgatttctcagacgatccttgcacagggaatcaattgggaagaactgcctatcaatcggccgt atgccaatgatgaactcaaccgagatggtgctgatgcgccacagaattgcaaagggtaccgtcaactattggccaaacagattcgacgcgcagcctccagccaaagcagaag aagggtggttcacctgtaccccaagaagatatccggtattaaaaagcgtgcactcagcgaaggttccatgaccatcatttcaagcgagatgttctataactcgatgagtgag catgagaagtacatatacagaaggcgttcacattcgagctcgaccactgtgatgctcgtcaaaagtgtgagcttgttggggctcctattcctcagaagcagcttttacagaacc ccggccaccgagcaaaagggtatcgcaaaactgagttcgtcccgtaaaagcccactattgagagtcgctgggtcgctatattgattggtgacgggtacgaccagggtcgcttttgc ggatcaagatggcgattaaggcgccggagcattgcttctgtatcggcaccaagcgatcccaataatacgaagggtcagttctctgagaactcagacggcggtattgtcg gatcatatgtatgatggacagcgtctacgatgttgatgctactttcatccaggcggtgccacgttacgacattatcgaagatcgccagcttcgtcttgattgtggagattt tggtctcttaaaagctctgggggtaccgggtgaagcttgggtttgtcaagcaggtgttgggtaaagaggttagacatcaaggttccagccctacttcaacagagtgctcgaat ggatggagtggttacggctggcactacaaagccaacagtttaaggagggtttgatatcgcaagacagcaagaatttgggggcaatttctctatcaagttgcgcagcatc ggaaactatcaacgggaactggatggactcagctcggtggactggtag	Catalase A
PCI_9498	atgacggccggtattagcgacacgatcaaaaaagatcaccgggagattgagaatctctatcacaatattctcacttcatctacagacaagagaaaatccagtggcagaaccagt ttacttgggagttggctgtcattccattggggaggagcttgtgtgatcccaatttgaagaaattgtctgatggccagaaaaatggcggacaagaccgccaagagcatctct ctgtcaaggagcagctcaaaagcctccagaatatgcagcctccgatcctcagtttgagtctactgtcaaaactctcatgtagatcttctcagcacataaaagaagaagagagtg atgaccttccaaattggaagccagtttgacaacagaagagagcgagaaacttctcaatctttggcagaactaagatatttgcctcccggtcgcacccagcgtctctgaca aacctctatttgaacacagtcattggacttatgacgggtcctattgatcatctggcagatttgtccggacgtggccgcacacttcgggcatgccgaatccatccactaaatag	hemerythrin-like protein C869.06c

Table S2 Annotation of carbohydrate active enzymes in *Penicillium citrinum*

Gene ID	CAZy_ID	E_value	Coverage	Annotation
PCI_0041	CE1	9.60E-07	0.45814978	monoglyceride lipase
PCI_0047	GH47	1.50E-134	0.995515695	Mannosyl-oligosaccharide alpha-1,2-mannosidase
PCI_0064	GH1	4.20E-161	0.986013986	Beta-glucosidase 1B
PCI_0087	AA7	3.60E-25	0.441048035	D-arabinono-1,4-lactone oxidase
PCI_0125	AA1_2	3.30E-16	0.523529412	Iron transport multicopper oxidase FET3
PCI_0131	PL1_4	5.90E-74	0.978947368	pectin lyase A
PCI_0159	AA3_2	2.00E-107	0.99122807	Oxygen-dependent choline dehydrogenase
PCI_0171	GT32	3.40E-10	0.911111111	Copper amine oxidase 1
PCI_0177	CE5	5.10E-43	0.978835979	cutinase 1
PCI_0187	GT69	2.30E-85	0.991631799	GDP-Man: alpha-1,3-mannosyltransferase
PCI_0230	GT21	8.70E-96	0.995708155	Ceramide glucosyltransferase
PCI_0239	AA7	1.30E-42	0.42139738	FAD-linked oxidoreductase patO
PCI_0264	GT15	7.50E-123	0.992673993	mannosyltransferase KTR4
PCI_0275	GT90	1.40E-17	0.968	Lipopolysaccharide-modifying protein
PCI_0299	GH16	1.10E-16	0.798941799	Low-affinity potassium transport protein
PCI_0306	GT3	0	0.998430141	Glycogen
PCI_0317	GH27	8.10E-32	0.330666667	alpha-galactosidase B
PCI_0344	GH10	9.00E-100	0.98679868	Endo-1,4-beta-xylanase D
PCI_0344	CBM1	1.30E-13	0.965517241	Endo-1,4-beta-xylanase D
PCI_0347	AA2	2.40E-49	0.976470588	heme-binding peroxidase
PCI_0369	GH18	8.60E-83	0.959459459	Endochitinase B1
PCI_0384	GH76	3.90E-106	0.963687151	Mannan endo-1,6-alpha-mannosidase DCW1
PCI_0387	GH55	3.80E-281	0.990540541	Glucan 1,3-beta-glucosidase
PCI_0424	GH3	2.20E-60	0.990740741	beta-glucosidase M
PCI_0427	GH3	4.50E-61	0.935185185	beta-glucosidase L
PCI_0448	GH12	3.90E-45	0.980769231	Xyloglucan-specific endo-beta-1,4-glucanase A
PCI_0474	GH81	1.10E-228	0.98392283	endo-1,3(4)-beta-glucanase ARB_01444
PCI_0485	AA4	5.60E-230	0.992337165	Vanillyl-alcohol oxidase
PCI_0521	GH78	8.70E-83	0.98015873	alpha-L-rhamnosidase A
PCI_0537	GH5_9	3.30E-116	0.990196078	glucan 1,3-beta-glucosidase A
PCI_0607	GT62	1.60E-110	0.98880597	Mannan polymerase II complex anp1 subunit
PCI_0613	GH3	5.00E-55	0.981481481	beta-glucosidase G
PCI_0625	PL3_2	3.70E-80	0.989690722	pectate lyase D
PCI_0642	GH93	6.00E-97	0.986970684	exo-alpha-L-1,5-arabinanase
PCI_0643	GH3	4.90E-67	0.986111111	exo-1,4-beta-xylosidase bxlB
PCI_0644	GH43_14	7.70E-125	0.989619377	Non-reducing end alpha-L-arabinofuranosidase BoGH43A
PCI_0650	CE1	5.10E-07	0.568281938	alpha/beta hydrolase fold family protein
PCI_0654	GH43_6	1.60E-88	0.671232877	arabinan endo-1,5-alpha-L-arabinosidase A

PCI_0661	GH89	1.90E-212	0.987933635	Alpha-N-acetylglucosaminidase
PCI_0665	CE12	2.70E-48	0.99047619	Rhamnogalacturonan acylesterase
PCI_0710	CE10	2.60E-32	0.337243402	secreted lipase ARB_02369
PCI_0761	AA4	2.50E-07	0.454022989	D-lactate dehydrogenase
PCI_0787	GT2	8.90E-06	0.839285714	Chitin synthase C
PCI_0797	GT32	1.70E-11	0.644444444	glycosyl transferase FCK3
PCI_0798	GH18	6.60E-25	0.472972973	Killer toxin subunits alpha/beta
PCI_0798	CBM18	2.80E-11	0.815789474	Killer toxin subunits alpha/beta
PCI_0815	AA7	4.50E-41	0.84279476	FAD-linked oxidoreductase ARB_02372
PCI_0816	CE10	2.20E-27	0.750733138	alpha/beta hydrolase fold-3 domain containing protein
PCI_0818	GH5_27	1.00E-134	0.996805112	Endoglycoceramidase
PCI_0820	GH18	5.90E-32	0.368243243	Endochitinase
PCI_0825	GH36	3.80E-236	0.995639535	alpha-galactosidase C
PCI_0837	GT57	1.10E-143	0.991683992	Dolichyl pyrophosphate Man9GlcNAc2 alpha-1,3-glucosyltransferase
PCI_0840	CBM50	4.70E-09	0.675	Peptidoglycan-binding Lysin subgroup
PCI_0846	CE8	1.70E-47	0.920138889	Pectinesterase, catalytic
PCI_0865	GH13_40	8.00E-178	0.994444444	Alpha-glucosidase
PCI_0881	CE10	2.00E-38	0.753665689	AB hydrolase superfamily protein C1039.03
PCI_0886	CE4	9.70E-19	0.846153846	Hypothetical protein
PCI_0890	GH18	4.00E-53	0.945945946	Chitinase A1
PCI_0892	AA7	2.30E-45	0.434497817	FAD-linked oxidoreductase ZEB1
PCI_0902	GH18	2.00E-21	0.665540541	Class III chitinase ARB_03514
PCI_0903	GH16	2.50E-28	0.867724868	Concanavalin A-like lectin/glucanase, subgroup
PCI_0908	AA3_3	4.30E-262	0.996615905	Alcohol oxidase 1
PCI_0931	GT1	3.90E-19	0.808900524	Glycosyltransferase buaB
PCI_0943	GH38	6.70E-86	0.940520446	Alpha-mannosidase
PCI_0966	GT59	5.80E-141	0.995049505	Dol-P-Glc:Glc(2)Man(9)GlcNAc(2)-PP-Dol alpha-1,2-glucosyltransferase
PCI_0982	GH3	2.10E-58	0.972222222	beta-glucosidase G
PCI_0989	GH13_22	2.60E-184	0.997530864	Cell wall alpha-1,3-glucan synthase ags1
PCI_0989	GH13_22	4.80E-83	0.985185185	glucan endo-1,3-beta-glucosidase eglC
PCI_0999	GH17	1.10E-15	0.77170418	glucan endo-1,3-beta-glucosidase eglC
PCI_1072	GH16	2.60E-16	0.978835979	Beta-glucan synthesis-associated protein KRE6
PCI_1119	GH63	7.60E-17	0.349122807	Cytoplasm protein
PCI_1133	CE10	1.00E-39	0.768328446	Hormone-sensitive lipase
PCI_1147	CE10	2.20E-29	0.401759531	Secreted lipase ARB07186/07185
PCI_1152	GH78	3.90E-170	0.994047619	Alpha-L-rhamnosidase
PCI_1152	CBM67	6.30E-40	0.897727273	Alpha-L-rhamnosidase
PCI_1169	CE10	6.30E-51	0.583577713	AB hydrolase superfamily protein C4A8.06c
PCI_1173	GH109	3.20E-11	0.944444444	oxidoreductase YrbE
PCI_1185	CE12	4.20E-43	0.980952381	esterase
PCI_1196	CE5	1.70E-15	0.703703704	acetylxytan esterase precursor,
PCI_1199	GT54	4.80E-09	0.520689655	Hypothetical protein
PCI_1200	PL22	3.30E-08	0.369811321	Tol-Pal system protein TolB

PCI_1221	GH25	3.20E-49	0.983050847	N,O-diacetylmuramidase
PCI_1278	GT22	1.70E-108	0.994858612	GPI mannosyltransferase 3
PCI_1285	AA2	3.00E-63	0.984313725	Cytochrome c peroxidase, mitochondrial
PCI_1302	AA7	7.50E-46	0.386462882	FAD-linked oxidoreductase ZEB1
PCI_1319	GH64	1.00E-122	0.994550409	Hypothetical protein
PCI_1346	GH134	4.50E-83	0.993710692	Hypothetical protein
PCI_1347	GH2	5.10E-86	0.543882979	Beta-mannosidase B
PCI_1349	GH5_7	6.00E-104	0.988461538	mannan endo-1,4-beta-mannosidase A
PCI_1362	CE10	2.50E-23	0.445747801	Para-nitrobenzyl esterase
PCI_1393	AA7	4.80E-75	0.447598253	FAD-linked oxidoreductase sorD
PCI_1426	CE10	2.80E-12	0.568914956	Alpha/beta hydrolase domain-containing protein 17B
PCI_1427	CE10	3.00E-35	0.715542522	Alpha/beta hydrolase fold-3
PCI_1443	GH42	7.60E-123	0.986522911	Beta-galactosidase
PCI_1461	GT2	5.80E-07	0.970238095	Chitin synthase A
PCI_1462	GH29	2.30E-51	0.867052023	alpha-L-fucosidase 1
PCI_1520	AA9	5.90E-73	0.986363636	Endoglucanase-4
PCI_1530	CE10	5.80E-26	0.425219941	secreted lipase ARB_02369
PCI_1539	CE10	1.60E-26	0.651026393	Esterase LipU
PCI_1545	CBM50	1.60E-07	0.95	Peptidoglycan-binding lysin domain
PCI_1547	GH51	6.40E-56	0.40952381	alpha-L-arabinofuranosidase A
PCI_1571	CE10	3.20E-31	0.392961877	secreted lipase ARB_02369
PCI_1572	AA7	1.00E-44	0.395196507	FAD-linked oxidoreductase ARB_02478
PCI_1582	GH3	2.80E-60	0.986111111	beta-glucosidase M
PCI_1616	GT90	5.20E-68	0.924	Lipopolysaccharide-modifying protein
PCI_1617	AA7	6.10E-45	0.38209607	Berberine bridge enzyme-like 23
PCI_1618	GT54	7.10E-11	0.531034483	Glycosyl transferase, family 54
PCI_1644	GH55	4.60E-144	0.459459459	glucan endo-1,3-beta-glucosidase ARB_02077
PCI_1644	GH55	2.70E-179	0.556756757	glucan endo-1,3-beta-glucosidase ARB_02077
PCI_1655	CE10	2.70E-07	0.369501466	secretory lipase,
PCI_1661	GH24	1.80E-40	0.98540146	Glycoside hydrolase, family 24
PCI_1674	GT22	1.50E-84	0.912596401	Dol-P-Man:Man(7)GlcNAc(2)-PP-Dol alpha-1,6-mannosyltransferase
PCI_1676	CBM50	0.00021	0.45	LysM domain protein
PCI_1721	GT28	3.70E-11	0.605095541	UDP-N-acetylglucosamine transferase subunit alg13
PCI_1738	GH37	5.40E-152	0.99389002	Neutral trehalase
PCI_1750	GH47	9.90E-118	0.986547085	mannosyl-oligosaccharide alpha-1,2-mannosidase ARB_00035
PCI_1766	GH47	3.90E-172	0.993273543	Mannosyl-oligosaccharide 1,2-alpha-mannosidase IA
PCI_1771	GH17	2.00E-24	0.938906752	Cell surface mannoprotein MP65
PCI_1772	GT48	0	0.98917456	1,3-beta-glucan synthase component FKS1
PCI_1838	GT20	1.50E-200	0.978947368	Alpha,alpha-trehalose-phosphate synthase
PCI_1960	GH109	1.00E-08	0.928571429	Inositol 2-dehydrogenase
PCI_1972	GH2	3.90E-96	0.511968085	Beta-galactosidase
PCI_1973	GT2	6.60E-15	0.5	Chitin synthase 6
PCI_1974	GT2	1.50E-13	0.494047619	Chitin synthase 8

PCI_2018	AA7	3.10E-58	0.493449782	FAD-linked oxidoreductase apf9
PCI_2059	GH12	5.60E-26	0.852564103	endo-beta-1,4-glucanase
PCI_2060	GT2	5.40E-21	0.988095238	Cellulose synthase 1
PCI_2064	GH3	1.50E-61	0.981481481	beta-glucosidase F
PCI_2085	GH109	1.30E-11	0.69047619	D-xylose 1-dehydrogenase (NADP(+))
PCI_2103	GT39	5.20E-75	0.99103139	Dolichyl-phosphate-mannose--protein mannosyltransferase 2
PCI_2104	GH54	6.70E-148	0.993670886	alpha-L-arabinofuranosidase B
PCI_2110	PL4_3	1.70E-195	0.632492114	rhamnogalacturonate lyase B
PCI_2111	GH31	4.90E-113	0.967213115	Alpha-xylosidase A
PCI_2119	AA3	1.10E-54	0.521035599	Long-chain-alcohol oxidase FAO3
PCI_2125	GT4	9.50E-37	0.9375	GDP-mannose-dependent alpha- mannosyltransferase
PCI_2127	CE5	1.90E-42	0.989417989	cutinase 2
PCI_2135	GT4	1.80E-35	0.9	Phosphatidylinositol N- acetylglucosaminyltransferase gpi3 subunit
PCI_2137	GH29	6.30E-81	0.924855491	Tissue alpha-L-fucosidase
PCI_2138	GH3	6.90E-50	0.981481481	exo-1,4-beta-xylosidase xlnD
PCI_2139	GH76	7.90E-104	0.944134078	Mannan endo-1,6-alpha-mannosidase DCW1
PCI_2160	GT32	1.30E-17	0.833333333	Initiation-specific alpha-1,6- mannosyltransferase
PCI_2164	AA3_2	3.60E-114	0.987719298	Dehydrogenase str4
PCI_2165	GH16	1.20E-25	0.835978836	glycosidase crf2
PCI_2167	GT2	1.30E-06	0.505952381	Chitin synthase C
PCI_2171	GH35	1.40E-82	0.986970684	beta-galactosidase B
PCI_2177	GH78	1.60E-102	0.966269841	MFS transporter fmqE
PCI_2205	CE3	8.50E-58	0.989690722	Hypothetical protein
PCI_2220	GH31	2.10E-152	0.99765808	alpha/beta-glucosidase agdC
PCI_2221	GH16	7.70E-24	0.931216931	glycosidase crf1
PCI_2238	CE4	1.20E-17	0.784615385	Peptidoglycan deacetylase-like protein FGM2
PCI_2263	GH16	2.90E-18	0.936507937	glycosidase C21B10.07
PCI_2264	GH13_5	1.80E-111	0.860058309	Alpha-amylase
PCI_2267	CE10	2.80E-33	0.434017595	Acetylcholinesterase
PCI_2269	GH33	2.60E-21	0.821637427	glycosyl hydrolase BNR repeat-containing protein
PCI_2280	GT1	1.10E-54	0.95026178	Sterol 3-beta-glucosyltransferase UGT80B1
PCI_2293	GH109	9.70E-13	0.968253968	oxidoreductase C115.03
PCI_2302	GH3	7.70E-65	0.976851852	Periplasmic beta-glucosidase
PCI_2321	GH67	4.70E-279	0.997010463	alpha-glucuronidase A
PCI_2323	GH79	4.60E-58	0.665934066	Beta-glucuronidase
PCI_2347	GT4	1.20E-14	0.9	Glycosyl transferase, group 1 family protein
PCI_2349	GH114	2.70E-78	0.994736842	endo-alpha-1,4-polygalactosaminidase
PCI_2350	GH135	8.90E-94	0.991561181	spherulin-4
PCI_2360	GH76	8.20E-90	0.938547486	Mannan endo-1,6-alpha-mannosidase DCW1
PCI_2378	GH28	1.70E-72	0.956923077	Polygalacturonase

PCI_2401	GT39	4.00E-72	0.99103139	Dolichyl-phosphate-mannose--protein mannosyltransferase 1
PCI_2420	CE1	3.90E-12	0.863436123	dipeptidyl-aminopeptidase B
PCI_2428	GH16	1.70E-21	0.814814815	extracellular glycosidase ARB_03382
PCI_2430	GH92	6.40E-146	0.99389002	Structural maintenance of chromosomes protein 4
PCI_2439	CE10	1.90E-45	0.838709677	sterigmatocystin biosynthesis lipase/esterase stcI
PCI_2441	GH43_6	3.50E-118	0.993150685	arabinan endo-1,5-alpha-L-arabinosidase D
PCI_2474	GH5_12	6.60E-231	0.996309963	Glucosylceramidase
PCI_2484	CE1	4.40E-09	0.528634361	Alpha/beta hydrolase family protein
PCI_2491	GH28	8.10E-50	0.910769231	exopolygalacturonase C
PCI_2502	GH142	8.10E-160	0.960334029	Amylo-alpha-16-glucosidase
PCI_2521	GH13_40	9.50E-159	0.991666667	Alpha-glucosidase
PCI_2549	GT20	1.60E-155	0.974736842	Trehalose-phosphatase
PCI_2595	CBM50	4.40E-06	0.675	LysM domain protein,
PCI_2595	CBM50	6.50E-09	0.95	LysM domain protein,
PCI_2610	CBM50	2.80E-07	0.95	peptidoglycan-N-acetylglucosamine deacetylase ARB_03699
PCI_2630	AA3	6.00E-76	0.524271845	GMC oxidoreductase family protein Mala s 12
PCI_2666	AA3	2.50E-80	0.503236246	Oxygen-dependent choline dehydrogenase
PCI_2691	CE2	2.10E-15	0.861244019	Esterase, SGNH hydrolase-type
PCI_2716	GT32	9.50E-13	0.822222222	Inositol phosphoceramide mannosyltransferase 3
PCI_2725	GH18	9.40E-52	0.945945946	Killer toxin subunits alpha/beta
PCI_2725	CBM50	0.00087	0.875	Killer toxin subunits alpha/beta
PCI_2725	CBM18	2.70E-10	0.868421053	Killer toxin subunits alpha/beta
PCI_2754	AA3_2	1.20E-106	0.994736842	Oxygen-dependent choline dehydrogenase
PCI_2756	GT1	6.60E-42	0.746073298	Sterol 3-beta-glucosyltransferase UGT80A2
PCI_2763	GH72	2.70E-126	0.990384615	1,3-beta-glucanosyltransferase gel2
PCI_2806	AA11	9.80E-63	0.968586387	Hypothetical protein
PCI_2817	CE10	4.70E-25	0.401759531	Lipase 3
PCI_2820	GH28	8.80E-75	0.956923077	endopolygalacturonase AFUB_016610
PCI_2821	CE10	2.00E-31	0.586510264	Para-nitrobenzyl esterase
PCI_2888	GT71	2.70E-49	0.996212121	alpha-1,3-mannosyltransferase MNN14
PCI_2896	CBM18	3.20E-06	0.842105263	Chitin deacetylase
PCI_2896	CE4	1.40E-28	0.9	Chitin deacetylase
PCI_2898	CE10	1.20E-48	0.835777126	FAD-linked oxidoreductase pytB
PCI_2911	CE1	1.40E-06	0.572687225	Epoxide hydrolase srdG
PCI_2941	GH109	9.00E-11	0.928571429	D-xylose 1-dehydrogenase (NADP(+))
PCI_2949	GT57	7.90E-172	0.98960499	Dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase
PCI_2959	GH125	3.90E-162	0.997512438	Meiotically up-regulated gene 157 protein
PCI_2991	GH109	1.30E-07	0.76984127	oxidoreductase sll0816
PCI_2993	GT31	3.40E-08	0.536458333	Hypothetical protein
PCI_2996	CE10	7.40E-28	0.346041056	Cholinesterase
PCI_3046	GT62	2.00E-122	0.98880597	Mannan polymerase II complex ANP1

				subunit
PCI_3051	AA7	1.10E-73	0.986899563	FAD-linked oxidoreductase sorD
PCI_3060	GH27	3.00E-21	0.578666667	Alpha-galactosidase A
PCI_3060	CBM13	2.00E-09	0.553191489	Alpha-galactosidase A
PCI_3102	GT90	2.90E-27	0.824	DUF821 domain-containing protein
PCI_3105	CE10	5.40E-41	0.346041056	Para-nitrobenzyl esterase
PCI_3126	CE10	5.70E-27	0.636363636	Dipeptidyl aminopeptidase 4
PCI_3154	GH5_5	8.70E-129	0.996478873	endo-beta-1,4-glucanase B
PCI_3154	CBM1	8.70E-15	0.965517241	endo-beta-1,4-glucanase B
PCI_3174	GT71	5.60E-70	0.992424242	Alpha-1,2-mannosyltransferase MNN21
PCI_3208	GH109	4.10E-08	0.658730159	oxidoreductase YteT
PCI_3217	CE14	5.30E-10	0.967741935	N-acetylglucosaminyl-phosphatidylinositol de-N-acetylase
PCI_3262	GT15	9.50E-128	0.992673993	O-glycoside alpha-1,2-mannosyltransferase homolog 4
PCI_3279	GT58	1.40E-138	0.994505495	Dol-P-Man:Man(5)GlcNAc(2)-PP-Dol alpha-1,3-mannosyltransferase
PCI_3322	GH16	2.60E-23	0.931216931	glycosidase crf1
PCI_3336	CE10	4.10E-09	0.357771261	Kynurenine formamidase
PCI_3338	GH6	4.00E-96	0.945578231	1,4-beta-D-glucan cellobiohydrolase C
PCI_3346	GH51	1.30E-125	0.723809524	alpha-L-arabinofuranosidase C
PCI_3399	AA3	7.10E-92	0.512944984	Dehydrogenase mpl7
PCI_3413	GH15	4.30E-77	0.975069252	Glucoamylase
PCI_3466	GH92	3.20E-164	0.987780041	secreted glycosidase ARB_07629
PCI_3477	GH109	1.20E-09	0.912698413	Hypothetical protein
PCI_3479	GT1	4.00E-45	0.458115183	Sterol 3-beta-glucosyltransferase UGT80A2
PCI_3482	AA3	1.50E-79	0.511326861	Oxygen-dependent choline dehydrogenase
PCI_3483	GH2	7.20E-220	0.960106383	Beta-galactosidase
PCI_3490	CBM43	1.40E-18	0.975903614	1,3-beta-glucanosyltransferase gel3
PCI_3490	GH72	1.00E-125	0.987179487	1,3-beta-glucanosyltransferase gel3
PCI_3523	GT1	3.30E-51	0.806282723	Sterol 3-beta-glucosyltransferase UGT80B1
PCI_3544	GH31	2.00E-139	0.992974239	alpha/beta-glucosidase agdC
PCI_3548	AA5_2	5.60E-219	0.985	Galactose oxidase
PCI_3597	GH18	1.40E-33	0.442567568	Endochitinase
PCI_3612	GH74	0.00011	0.321888412	Vacuolar protein sorting/targeting protein 10
PCI_3612	GH74	0.00033	0.326180258	Vacuolar protein sorting/targeting protein 10
PCI_3621	GT8	1.80E-21	0.883268482	Glucose N-acetyltransferase 1
PCI_3632	GH28	1.90E-72	0.96	exopolygalacturonase B
PCI_3634	CE10	4.80E-26	0.736070381	Cytochrome P450 monooxygenase ALT8
PCI_3642	CE10	7.50E-27	0.304985337	secreted lipase ARB_02369
PCI_3643	GH13_1	6.40E-131	0.976973684	Alpha-amylase A type-3
PCI_3644	GH15	3.00E-82	0.96398892	Glucoamylase
PCI_3644	CBM20	4.90E-29	0.977777778	Glucoamylase
PCI_3651	CE10	3.20E-52	0.780058651	AB hydrolase superfamily protein C1039.03
PCI_3653	CBM43	1.40E-21	0.975903614	Protein EPD1

PCI_3653	GH72	2.60E-130	0.987179487	Protein EPD1
PCI_3660	GT90	6.60E-61	0.932	Lipopolysaccharide-modifying protein
PCI_3670	GH47	4.40E-134	0.872197309	Endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase
PCI_3690	GH12	1.00E-51	0.980769231	Endoglucanase-1
PCI_3735	CE10	1.30E-30	0.706744868	Steryl acetyl hydrolase 1
PCI_3779	GT35	2.70E-280	0.997032641	Glycogen phosphorylase
PCI_3871	GT90	1.00E-24	0.828	cyclase
PCI_3891	GT2	1.50E-06	0.982142857	Chitin synthase D
PCI_3894	AA9	2.00E-71	0.977272727	Polysaccharide monooxygenase Cel61a
PCI_3912	GT32	2.90E-23	0.944444444	Mannosyl phosphorylinositol ceramide synthase SUR1
PCI_3945	CE4	2.50E-20	0.792307692	Peptidoglycan deacetylase
PCI_3963	AA7	2.30E-50	0.399563319	FAD-linked oxidoreductase ARB_02372
PCI_3970	CE10	1.40E-29	0.709677419	Non-reducing polyketide synthase ascC
PCI_3977	CE10	6.50E-27	0.612903226	AB hydrolase superfamily protein C1039.03
PCI_3991	GH28	1.50E-52	0.963076923	Rhamnogalacturonase A
PCI_3999	GH109	2.90E-15	0.976190476	Glucose--fructose oxidoreductase
PCI_4024	AA7	2.00E-53	0.473799127	FAD-linked oxidoreductase ARB_02372
PCI_4049	GH2	9.80E-99	0.625	Beta-mannosidase B
PCI_4051	GT50	3.60E-92	0.992366412	GPI mannosyltransferase 1
PCI_4067	AA7	2.60E-44	0.441048035	FAD-linked oxidoreductase aurO
PCI_4073	GH5_7	4.50E-107	0.988461538	mannan endo-1,4-beta-mannosidase A
PCI_4090	AA7	2.30E-73	0.471615721	FAD-linked oxidoreductase sorD
PCI_4147	AA3_2	2.80E-109	0.994736842	Oxygen-dependent choline dehydrogenase
PCI_4218	GH43_24	3.10E-78	0.971311475	carbohydrate-binding module family 35 protein
PCI_4218	CBM35	2.10E-12	0.967479675	carbohydrate-binding module family 35 protein
PCI_4226	GT90	6.00E-76	0.98	Beta-1,2-xylosyltransferase 1
PCI_4276	CBM22	2.60E-17	0.893129771	carbohydrate binding domain protein
PCI_4302	GH43_13	1.60E-144	0.950331126	Non-reducing end alpha-L-arabinofuranosidase BoGH43A
PCI_4305	GH3	7.70E-61	0.986111111	beta-glucosidase M
PCI_4362	AA3	1.20E-80	0.527508091	Dehydrogenase pkfF
PCI_4365	GH115	6.40E-198	0.826398852	glycoside hydrolase family 115 protein
PCI_4366	CBM22	5.50E-13	0.977099237	Hypothetical protein
PCI_4373	GT22	2.60E-81	0.989717224	GPI mannosyltransferase 4
PCI_4386	GH93	3.00E-75	0.833876221	Neuraminidase
PCI_4386	CBM66	1.80E-21	0.967741935	Neuraminidase
PCI_4452	GT21	1.20E-09	0.613733906	Hypothetical protein
PCI_4455	GH16	1.90E-24	0.915343915	glycosidase crf2
PCI_4489	GH71	9.00E-141	0.962666667	Mutanase Pc12g07500
PCI_4491	GT20	1.20E-66	0.486315789	alpha,alpha-trehalose-phosphate synthase
PCI_4513	CE16	1.80E-99	0.992509363	Acetylesterase
PCI_4514	GH5_5	2.00E-123	0.98943662	endo-beta-1,4-glucanase B
PCI_4548	GH76	3.90E-89	0.938547486	Mannan endo-1,6-alpha-mannosidase DCW1
PCI_4551	CE12	3.90E-13	0.752380952	GDSL esterase/lipase At5g62930

PCI_4560	CE10	7.50E-21	0.715542522	Dipeptidyl-peptidase 5
PCI_4640	GH93	1.70E-119	0.986970684	Neuraminidase
PCI_4642	GH78	1.00E-56	0.751984127	RhaA is able to hydrolyze alpha-1
PCI_4741	GH109	5.50E-09	0.452380952	scyllo-inositol 2-dehydrogenase (NAD(+))
PCI_4750	CE5	1.00E-42	0.984126984	Acetylxytan esterase 2
PCI_4805	GH16	2.30E-22	0.936507937	Endo-1,3(4)-beta-glucanase ARB_04519
PCI_4806	GT90	2.40E-69	0.98	Lipopolysaccharide-modifying protein
PCI_4824	GH31	6.10E-135	0.985948478	family 31 glucosidase ORF2 (Fragment)
PCI_4859	AA6	3.50E-86	0.994871795	Minor allergen Alt a 7
PCI_4862	GH18	5.00E-68	0.942567568	Endochitinase 1
PCI_4885	PL1_7	1.10E-74	0.984210526	pectate lyase A
PCI_4886	AA7	2.40E-79	0.982532751	2-oxoglutarate-dependent dioxygenase FGSG_00048
PCI_4890	GH20	2.00E-57	0.973293769	Oxidoreductase AflY
PCI_4905	GH7	1.60E-154	0.98313253	endo-beta-1,4-glucanase celB
PCI_4918	GH79	2.20E-59	0.857142857	Beta-glucuronidase
PCI_4921	CE10	1.40E-23	0.721407625	carboxylesterase M8
PCI_4922	AA7	4.90E-60	0.458515284	FAD-linked oxidoreductase ATEG_07660
PCI_4949	AA3_2	2.00E-99	0.992982456	Dehydrogenase pkfF
PCI_4960	AA2	1.90E-13	0.901960784	Catalase-peroxidase
PCI_4960	AA2	2.50E-12	0.380392157	Catalase-peroxidase
PCI_4973	AA7	1.30E-22	0.425764192	D-lactate dehydrogenase
PCI_4981	GT21	2.60E-10	0.978540773	Type 2 glycosyltransferase
PCI_4993	GH47	2.40E-140	0.995515695	ER degradation-enhancing alpha-mannosidase-like protein 1
PCI_5046	CE10	1.40E-30	0.753665689	carboxylesterase 8
PCI_5051	GH7	2.70E-188	0.975903614	1,4-beta-D-glucan cellobiohydrolase A
PCI_5088	AA3_2	7.40E-100	0.994736842	4-pyridoxate dehydrogenase
PCI_5103	CE10	1.90E-68	0.750733138	AB hydrolase superfamily protein C1039.03
PCI_5110	CBM50	1.00E-07	0.675	LysM domain-containing protein ARB_01488
PCI_5110	CBM50	0.00014	0.95	LysM domain-containing protein ARB_01488
PCI_5112	CBM18	2.00E-10	0.842105263	Killer toxin subunits alpha/beta
PCI_5112	GH18	2.00E-49	0.939189189	Killer toxin subunits alpha/beta
PCI_5117	GH93	9.90E-71	0.899022801	Neuraminidase
PCI_5120	PL1_4	9.50E-91	0.984210526	pectin lyase F
PCI_5131	GH76	9.80E-95	0.952513966	Mannan endo-1,6-alpha-mannosidase DCW1
PCI_5159	CE10	1.50E-48	0.692082111	Carboxylesterase NlhH
PCI_5194	GH72	2.90E-130	0.987179487	1,3-beta-glucanosyltransferase gel1
PCI_5207	AA3_2	2.50E-88	0.989473684	GMC-type oxidoreductase acuG
PCI_5218	AA1_3	2.30E-135	0.993589744	Laccase-2
PCI_5225	GT62	6.20E-103	0.981343284	Mannan polymerase complex subunit MNN9
PCI_5297	GT2	2.10E-47	0.994047619	Dolichol-phosphate mannosyltransferase subunit 1
PCI_5322	GH18	3.10E-79	0.956081081	Endochitinase B
PCI_5364	GH1	5.90E-150	0.979020979	Beta-glucosidase 1B

PCI_5365	GH95	4.20E-254	0.976454294	Alpha-L-fucosidase 2
PCI_5378	AA7	2.80E-57	0.949781659	FAD-linked oxidoreductase ARB_02478
PCI_5381	GH13_25	4.40E-220	0.995535714	Glycogen debranching enzyme
PCI_5408	CE1	2.70E-07	0.594713656	Protein ABHD11
PCI_5452	GH16	1.70E-21	0.804232804	extracellular glycosidase ARB_03382
PCI_5465	CBM67	1.60E-26	0.9375	Alpha-L-rhamnosidase
PCI_5465	GH78	1.40E-161	0.998015873	Alpha-L-rhamnosidase
PCI_5491	GT24	1.30E-133	0.995967742	UDP-glucose:glycoprotein glucosyltransferase
PCI_5497	GH105	1.10E-31	0.313253012	Glycosyl Hydrolase Family 88
PCI_5505	GT1	1.10E-51	0.971204188	Sterol 3-beta-glucosyltransferase
PCI_5582	CE10	1.50E-50	0.706744868	Carboxylesterase LipF
PCI_5607	AA3	8.80E-06	0.368932039	L-lysine 6-monooxygenase/L-ornithine 5-monooxygenase
PCI_5615	GH3	2.60E-57	0.958333333	Beta-hexosaminidase
PCI_5632	GH84	3.70E-96	0.993220339	O-GlcNAcase NagJ
PCI_5633	CBM50	5.40E-05	0.9	glucan endo-1,3-beta-glucosidase ARB_02077
PCI_5633	GH55	6.20E-262	0.955405405	glucan endo-1,3-beta-glucosidase ARB_02077
PCI_5634	GH18	3.30E-66	0.939189189	Killer toxin subunits alpha/beta
PCI_5634	CBM18	7.20E-11	0.815789474	Killer toxin subunits alpha/beta
PCI_5684	GH72	3.80E-111	0.935897436	Protein EPD1
PCI_5690	GH16	8.80E-19	0.925925926	Galactan endo-beta-1,3-galactanase
PCI_5691	GH30_5	1.10E-130	0.992924528	Endo-beta-1,6-galactanase
PCI_5694	GH88	6.30E-82	0.975683891	Unsaturated glucuronyl hydrolase
PCI_5765	GH109	7.20E-07	0.80952381	Hypothetical protein
PCI_5781	GT4	3.10E-34	0.9375	Trehalose phosphorylase
PCI_5850	GH76	9.90E-57	0.770949721	Six-hairpin glycosidase
PCI_5865	CE10	4.20E-32	0.571847507	Carboxylesterase patB
PCI_5895	GH3	1.70E-58	0.967592593	beta-glucosidase I
PCI_5898	AA4	2.50E-19	0.455938697	D-lactate dehydrogenase
PCI_5911	CE10	5.50E-48	0.803519062	Arylacetamide deacetylase-like 3
PCI_5931	GH3	1.30E-57	0.972222222	beta-glucosidase C
PCI_5952	AA7	4.40E-66	0.984716157	FAD-linked oxidoreductase OXR1
PCI_5954	AA7	2.70E-66	0.982532751	FAD-linked oxidoreductase alt4
PCI_5961	CBM50	0.00018	0.5	Peptidoglycan-binding Lysin subgroup
PCI_5962	GH18	5.70E-60	0.773648649	Chitotriosidase-1
PCI_6018	GH92	5.50E-167	0.99185336	secreted glycosidase ARB_07629
PCI_6023	CE10	3.00E-32	0.390029326	Carboxylesterase patB
PCI_6033	GT33	3.60E-89	0.621176471	Chitobiosyldiphosphodolichol beta-mannosyltransferase
PCI_6062	CBM50	0.0009	0.8	LysM domain-containing protein ARB_03442
PCI_6075	GH7	2.90E-198	0.995180723	1,4-beta-D-glucan cellobiohydrolase B
PCI_6075	CBM1	7.90E-15	0.965517241	1,4-beta-D-glucan cellobiohydrolase B
PCI_6081	GH28	4.10E-74	0.969230769	endopolygalacturonase A
PCI_6089	GH2	2.40E-72	0.440159574	beta-glucuronidase
PCI_6090	CBM13	2.20E-11	0.670212766	Hypothetical protein
PCI_6095	CE10	3.40E-46	0.853372434	AB hydrolase superfamily protein

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PCI_6136	CE1	1.40E-06	0.718061674	alpha/beta hydrolase fold family protein
PCI_6144	GH3	5.20E-22	0.365740741	Xylan 1,4-beta-xylosidase
PCI_6144	GH3	3.90E-15	0.435185185	Xylan 1,4-beta-xylosidase
PCI_6166	CBM46	9.60E-17	0.908045977	Endoglucanase B
PCI_6166	GH5_4	3.00E-55	0.973880597	Endoglucanase B
PCI_6176	GH3	3.40E-66	0.981481481	beta-glucosidase I
PCI_6182	AA7	2.70E-80	0.975982533	FAD-linked oxidoreductase penO
PCI_6191	GH114	1.70E-76	0.994736842	Hypothetical protein
PCI_6205	CE10	1.30E-30	0.457478006	secreted lipase ARB_02369
PCI_6215	GH43_26	3.50E-61	0.996575342	alpha-N-arabinofuranosidase 2
PCI_6216	GH43_1	2.90E-164	0.996774194	Xylosidase/arabinosidase
PCI_6223	AA3_2	3.40E-92	0.992982456	Alcohol dehydrogenase
PCI_6225	AA3_2	9.40E-112	0.987719298	Dehydrogenase str4
PCI_6239	GH12	8.80E-25	0.871794872	Hypothetical protein
PCI_6343	GH3	9.70E-54	0.962962963	Beta-hexosaminidase
PCI_6346	AA3	3.40E-89	0.51618123	Choline oxidase
PCI_6347	CE9	6.10E-117	0.967828418	N-acetylglucosamine-6-phosphate deacetylase
PCI_6351	AA5_2	4.10E-230	0.985	Galactose oxidase
PCI_6419	GT20	1.90E-157	0.930526316	alpha,alpha-trehalose-phosphate synthase
PCI_6430	GT39	1.60E-72	0.99103139	Dolichyl-phosphate-mannose--protein mannosyltransferase 4
PCI_6434	GT66	1.60E-194	0.84992785	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit stt3
PCI_6469	CE10	5.70E-35	0.565982405	secreted lipase ARB_02369
PCI_6491	CBM20	2.70E-30	0.955555556	Glucoamylase I
PCI_6491	AA13	2.00E-141	0.995689655	Glucoamylase I
PCI_6496	CE3	5.40E-06	0.716494845	GDSL-like lipase/acylhydrolase,
PCI_6504	GH28	9.40E-68	0.944615385	Alpha-L-rhamnosidase rgxB
PCI_6518	GH17	4.10E-32	0.945337621	Glucan 1,3-beta-glucosidase ARB_02797
PCI_6534	AA3_2	1.10E-109	0.99122807	Dehydrogenase
PCI_6543	GH35	5.50E-58	0.957654723	beta-galactosidase E
PCI_6544	GH76	1.00E-87	0.927374302	Mannan endo-1,6-alpha-mannosidase DFG5
PCI_6545	AA7	3.70E-48	0.425764192	FAD-linked oxidoreductase ZEB1
PCI_6569	GT90	3.40E-80	0.96	Beta-1,2-xylosyltransferase 1
PCI_6572	GT8	8.00E-44	0.883268482	Glycogenin-1
PCI_6594	GH140	1.00E-17	0.502427184	Galactosyl transferase
PCI_6608	GH16	1.00E-20	0.931216931	Concanavalin A-like lectin/glucanase, subgroup
PCI_6637	AA1_2	6.40E-150	0.991176471	Iron transport multicopper oxidase fetC
PCI_6641	AA3_2	1.50E-135	0.987719298	GMC oxidoreductase family protein Mala s 12
PCI_6650	AA7	1.70E-50	0.982532751	FAD-dependent monooxygenase prx3
PCI_6669	CE10	1.00E-22	0.721407625	carboxylesterase M8
PCI_6672	GH43_30	7.80E-92	0.988721805	Glycosyl hydrolases family 43
PCI_6730	CE16	5.60E-75	0.876404494	lysophospholipase A
PCI_6779	GH109	2.40E-14	0.936507937	scyllo-inositol 2-dehydrogenase (NAD(+))
PCI_6785	GH28	4.40E-72	0.953846154	Polygalacturonase 1

PCI_6843	AA7	8.50E-45	0.414847162	FAD-dependent monooxygenase sdcF
PCI_6848	GT4	1.50E-33	0.8875	Alpha-1,3/1,6-mannosyltransferase alg-2
PCI_6891	GH3	2.30E-34	0.912037037	beta-glucosidase D
PCI_6908	GT15	1.60E-90	0.754578755	Alpha-1,2 mannosyltransferase KTR1
PCI_6928	GH13_8	3.60E-135	0.996350365	1,4-alpha-glucan-branching enzyme
PCI_6928	CBM48	1.10E-08	0.631578947	1,4-alpha-glucan-branching enzyme
PCI_6930	GH92	2.30E-149	0.99185336	secreted glycosidase ARB_07629
PCI_6944	PL1_4	7.90E-88	0.989473684	pectin lyase A
PCI_7038	GT71	3.50E-71	0.988636364	Alpha-1,2-mannosyltransferase MNN21
PCI_7049	GH10	1.10E-96	0.99339934	Endo-1,4-beta-xylanase A
PCI_7050	GH62	4.00E-136	0.996402878	alpha-L-arabinofuranosidase axhA-1
PCI_7054	CE8	4.50E-81	0.909722222	pectinesterase A
PCI_7055	GH28	2.30E-65	0.972307692	Endo-xylogalacturonan hydrolase A
PCI_7065	PL20	7.50E-121	0.995633188	Hypothetical protein
PCI_7075	GH13_40	1.40E-163	0.994444444	Alpha-glucosidase
PCI_7098	GH63	1.40E-33	0.431578947	mannosyl-oligosaccharide glucosidase
PCI_7120	GH35	1.70E-87	0.941368078	Beta-galactosidase
PCI_7130	AA3_2	7.10E-101	0.992982456	Dehydrogenase str4
PCI_7136	GH128	1.80E-27	0.84375	Glycosyl hydrolase catalytic core
PCI_7153	AA1_3	3.50E-69	0.576923077	Laccase-2
PCI_7158	GH105	8.40E-68	0.939759036	Hypothetical protein
PCI_7164	GH3	4.70E-58	0.981481481	beta-glucosidase E
PCI_7194	GH76	6.10E-95	0.893854749	Mannan endo-1,6-alpha-mannosidase DCW1
PCI_7200	GH28	3.80E-74	0.966153846	exopolygalacturonase X
PCI_7201	AA7	1.10E-66	0.504366812	FAD-linked oxidoreductase OXR1
PCI_7213	CE1	9.80E-12	0.810572687	Acyl-protein thioesterase 1
PCI_7241	CE1	1.10E-09	0.365638767	esterase
PCI_7312	GH43_14	2.00E-132	0.996539792	Non-reducing end alpha-L-arabinofuranosidase BoGH43A
PCI_7330	CE1	2.50E-07	0.54185022	Alpha/beta hydrolase fold-1
PCI_7335	AA3_2	1.50E-210	0.994736842	Glucose oxidase
PCI_7340	GH11	2.30E-68	0.881355932	Endo-1,4-beta-xylanase A
PCI_7347	GH1	1.80E-89	0.927738928	Mediator of RNA polymerase II transcription subunit 17
PCI_7348	GH76	1.20E-113	0.969273743	Mannan endo-1,6-alpha-mannosidase DCW1
PCI_7349	GH2	1.90E-42	0.317819149	Exo-beta-D-glucosaminidase ARB_07888
PCI_7352	CE10	4.90E-26	0.419354839	Lipase 1
PCI_7355	GH105	1.20E-113	0.978915663	Protein Atu3128
PCI_7371	PL4_1	5.20E-216	0.996	rhamnogalacturonate lyase A
PCI_7385	AA3	2.20E-87	0.508090615	Dehydrogenase mpl7
PCI_7391	GH65	4.00E-80	0.983870968	Acid trehalase
PCI_7398	GH32	1.00E-64	0.976109215	Invertase 4
PCI_7424	GH23	8.90E-09	0.681481481	tape measure protein
PCI_7426	CE3	1.10E-50	0.994845361	FG-GAP repeat domain-containing protein
PCI_7447	AA1_3	3.10E-136	0.993589744	Laccase-1
PCI_7464	AA4	8.80E-21	0.440613027	D-lactate dehydrogenase
PCI_7477	GH55	2.10E-225	0.985135135	Glucan endo-1,3-beta-glucosidase BGN13.1

PCI_7493	GH27	1.10E-25	0.32	alpha-galactosidase D
PCI_7511	GT90	1.70E-71	0.98	Beta-1,2-xylosyltransferase 1
PCI_7516	AA9	1.00E-69	0.977272727	Endoglucanase-4
PCI_7522	GH76	9.80E-102	0.944134078	Mannan endo-1,6-alpha-mannosidase DCW1
PCI_7523	GH75	4.30E-80	0.972727273	Endo-chitosanase
PCI_7524	GH5_15	1.40E-98	0.993355482	Glucan endo-1,6-beta-glucosidase B
PCI_7540	GH43_6	2.00E-118	0.996575342	arabinan endo-1,5-alpha-L-arabinosidase C
PCI_7552	AA7	8.10E-11	0.401746725	L-gulono-1,4-lactone dehydrogenase
PCI_7572	CE10	7.20E-28	0.568914956	Acetylcholinesterase
PCI_7583	AA3	1.20E-82	0.506472492	Oxygen-dependent choline dehydrogenase
PCI_7585	AA9	4.90E-56	0.927272727	fungal cellulose binding domain protein
PCI_7600	GH132	4.70E-103	0.98019802	Secreted beta-glucosidase sun1
PCI_7615	GH20	1.50E-91	0.976261128	Beta-hexosaminidase 1
PCI_7617	GH106	2.30E-91	0.991504854	RING zinc finger protein
PCI_7624	GH78	1.20E-123	0.990079365	alpha-rhamnosidase
PCI_7624	CBM67	1.80E-29	0.880681818	alpha-rhamnosidase
PCI_7625	GH5_23	4.40E-144	0.996428571	glucan 1,3-beta-glucosidase A
PCI_7673	CE10	7.30E-17	0.803519062	Pre-mRNA-splicing factor brr2
PCI_7675	AA7	2.50E-62	0.969432314	FAD-dependent monooxygenase sdcF
PCI_7676	GH55	1.50E-200	0.928378378	Glucan endo-1,3-beta-glucosidase BGN13.1
PCI_7679	GH5_22	6.90E-137	0.996478873	Beta-xylosidase
PCI_7683	GH5_23	9.00E-36	0.4	beta exoglucosidase protein
PCI_7693	GH32	1.10E-76	0.914675768	Extracellular exo-inulinase inuE
PCI_7694	GH28	3.10E-66	0.858461538	galacturan 1,4-alpha-galacturonidase A
PCI_7717	AA11	7.00E-09	0.534031414	Hypothetical protein
PCI_7729	GH105	2.60E-107	0.975903614	Unsaturated rhamnogalacturonyl hydrolase YesR
PCI_7741	GH17	1.20E-37	0.948553055	glucan endo-1,3-beta-glucosidase btgC
PCI_7748	CE1	1.90E-12	0.537444934	Epoxide hydrolase A
PCI_7764	GH43_30	3.20E-89	0.988721805	Glycoside hydrolase, family 43
PCI_7765	GT32	2.40E-19	0.911111111	Initiation-specific alpha-1,6-mannosyltransferase
PCI_7789	CE10	7.40E-20	0.428152493	Fumonisin B1 esterase
PCI_7805	GT2	7.60E-46	0.976190476	Dolichyl-phosphate beta-glucosyltransferase
PCI_7821	CBM63	7.90E-24	0.858974359	Expansin-like protein 1
PCI_7823	GH55	2.50E-223	0.986486486	Glucan endo-1,3-beta-glucosidase BGN13.1
PCI_7835	AA7	2.20E-46	0.877729258	FAD-dependent monooxygenase prx3
PCI_7865	GH18	1.50E-16	0.672297297	Class III chitinase,
PCI_7870	GH18	3.00E-23	0.662162162	Endochitinase A1
PCI_7897	GH18	1.50E-21	0.655405405	Class III chitinase ARB_03514
PCI_7901	GH31	2.80E-143	0.995316159	Glucosidase 2 subunit alpha
PCI_7935	GH28	6.20E-68	0.941538462	galacturan 1,4-alpha-galacturonidase C
PCI_7946	AA1_2	5.60E-113	0.985294118	Multicopper oxidase abr1
PCI_7947	CE1	2.50E-09	0.594713656	Heptaketide hydrolyase ayg1
PCI_7954	AA11	4.00E-76	0.984293194	Hypothetical protein

PCI_7956	CE10	2.70E-44	0.847507331	related to lipase (lipP)
PCI_7984	CE4	2.40E-19	0.792307692	Peptidoglycan deacetylase
PCI_8117	GH35	4.00E-83	0.983713355	beta-galactosidase C
PCI_8140	GH47	3.40E-168	0.995515695	Mannosyl-oligosaccharide 1,2-alpha-mannosidase
PCI_8149	CE4	2.70E-21	0.792307692	Peptidoglycan deacetylase
PCI_8178	GT4	7.90E-25	0.9375	GDP-Man:Man(3)GlcNAc(2)-PP-Dol alpha-1,2-mannosyltransferase
PCI_8180	GH53	2.80E-93	0.865497076	arabinogalactan endo-beta-1,4-galactanase A
PCI_8215	GT8	2.70E-23	0.809338521	Glycosyl transferase, family 8
PCI_8216	GT90	2.10E-60	0.932	glycosyltransferase family 90 protein
PCI_8224	AA1	9.50E-53	0.303287381	Laccase-like multicopper oxidase 1
PCI_8252	GT22	2.50E-95	0.994858612	Alpha-1,2-mannosyltransferase alg9
PCI_8259	GH132	5.10E-94	0.884488449	secreted beta-glucosidase adg3
PCI_8292	GH35	2.90E-96	0.986970684	Beta-galactosidase A
PCI_8292	CBM37	3.60E-06	0.532258065	Beta-galactosidase A
PCI_8294	AA9	2.60E-69	0.981818182	Endoglucanase-4
PCI_8330	GH78	1.50E-86	0.900793651	Six-hairpin glycosidase-like
PCI_8330	CBM67	4.90E-21	0.710227273	Six-hairpin glycosidase-like
PCI_8334	GH92	4.50E-165	0.99185336	secreted glycosidase ARB_07629
PCI_8345	CE10	1.40E-34	0.387096774	Cholinesterase
PCI_8351	GH3	5.40E-58	0.986111111	beta-glucosidase A
PCI_8399	GH28	1.70E-65	0.953846154	galacturan 1,4-alpha-galacturonidase C
PCI_8400	GH78	5.10E-92	0.984126984	Bacterial alpha-L-rhamnosidase
PCI_8411	GH54	5.50E-160	0.993670886	alpha-L-arabinofuranosidase B
PCI_8411	CBM42	2.30E-58	0.977941176	alpha-L-arabinofuranosidase B
PCI_8425	GH43_36	5.90E-105	0.992424242	Beta-xylosidase
PCI_8430	GH31	1.40E-97	0.995316159	Neutral alpha-glucosidase C
PCI_8491	CE10	1.20E-27	0.351906158	Acetylcholinesterase
PCI_8499	AA3_2	5.80E-99	0.989473684	Patulin synthase
PCI_8513	GH79	4.70E-54	0.945054945	Beta-glucuronidase
PCI_8526	CBM43	3.30E-12	0.963855422	1,3-beta-glucanosyltransferase gel4
PCI_8526	GH72	2.90E-127	0.990384615	1,3-beta-glucanosyltransferase gel4
PCI_8535	GH31	2.70E-125	0.995316159	Alpha-xylosidase
PCI_8568	GH15	1.40E-76	0.991689751	Six-hairpin glycosidase-like
PCI_8569	AA7	2.20E-39	0.445414847	FAD-linked oxidoreductase chyH
PCI_8572	GH3	1.30E-66	0.981481481	beta-glucosidase I
PCI_8593	GT69	4.40E-86	0.991631799	Mannosyltransferase 1, CMT1
PCI_8605	GH13_22	5.90E-170	0.995061728	Cell wall alpha-1,3-glucan synthase ags1
PCI_8605	GH13_22	1.70E-82	0.982716049	Cell wall alpha-1,3-glucan synthase ags1
PCI_8611	GT4	3.70E-33	0.95625	Trehalose phosphorylase
PCI_8626	GH128	5.20E-66	0.982142857	Hypothetical protein
PCI_8676	GT34	1.20E-73	0.971544715	alpha-1,2-galactosyltransferase C8D2.17
PCI_8682	CE16	5.10E-11	0.760299625	Esterase, SGNH hydrolase-type
PCI_8714	CE10	2.10E-22	0.313782991	Acetylcholinesterase
PCI_8726	GH43_6	6.80E-124	0.993150685	arabinan endo-1,5-alpha-L-arabinosidase B
PCI_8735	CE10	6.00E-58	0.771260997	Carboxylesterase NlhH

PCI_8748	GH16	2.30E-20	0.867724868	endo-1,3(4)-beta-glucanase An02g00850
PCI_8756	AA7	9.20E-51	0.486899563	FAD-linked oxidoreductase aurO
PCI_8773	GH71	6.20E-141	0.994666667	Mutanase Pc12g07500
PCI_8791	AA7	2.70E-54	0.949781659	FAD-linked oxidoreductase phqH
PCI_8823	CBM21	5.50E-34	0.971962617	Protein phosphatase 1 regulatory subunit 3D
PCI_8847	GH62	2.50E-130	0.996402878	alpha-L-arabinofuranosidase axhA
PCI_8848	GH28	4.40E-71	0.96	endopolygalacturonase D
PCI_8853	GT32	3.00E-18	0.933333333	Mannosyl phosphorylinositol ceramide synthase SUR1
PCI_8863	CE10	2.60E-26	0.322580645	Inactive carboxylesterase-like protein VdtD
PCI_8866	AA7	1.40E-48	0.943231441	FAD-linked oxidoreductase patO
PCI_8883	GH31	1.00E-147	0.992974239	Alpha-glucosidase
PCI_8884	GH13_1	5.00E-137	0.996710526	Alpha-amylase B
PCI_8894	AA1_3	8.60E-136	0.993589744	Laccase-2
PCI_8895	GH47	6.90E-169	0.995515695	Endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase
PCI_8905	GH2	3.10E-211	0.958776596	Beta-galactosidase
PCI_8910	CE4	9.40E-27	0.892307692	Chitin deacetylase
PCI_8919	GH109	7.70E-09	0.444444444	NAD(P)-binding domain
PCI_8923	GT31	6.00E-07	0.348958333	beta-1,3-GlcNAc transferase
PCI_8947	GH16	1.60E-23	0.687830688	extracellular glycosidase ARB_05253
PCI_8949	CE10	1.10E-49	0.744868035	alpha/beta hydrolase R526
PCI_8957	CE10	6.90E-27	0.346041056	esterase/lipase C417.12
PCI_8961	GH75	3.30E-64	0.918181818	Endo-chitosanase C
PCI_8965	GH5_9	4.00E-109	0.993464052	glucan 1,3-beta-glucosidase D
PCI_8985	AA3_2	4.00E-95	0.987719298	GMC oxidoreductase family protein Mala s 12
PCI_9001	GH2	1.60E-71	0.683510638	Beta-mannosidase A
PCI_9086	CE10	5.40E-41	0.662756598	Arylesterase
PCI_9104	CE1	2.60E-10	0.462555066	protein PAC_08012
PCI_9138	GT69	6.40E-71	0.987447699	Alpha-1,3-mannosyltransferase CMT1
PCI_9191	GH18	3.20E-25	0.932432432	Endochitinase 2
PCI_9224	CE5	3.70E-40	0.984126984	cutinase 3
PCI_9230	GH78	1.20E-66	0.738095238	glycoside hydrolase family 78 protein
PCI_9236	CBM67	1.00E-31	0.886363636	Alpha-L-rhamnosidase
PCI_9236	GH78	1.10E-164	0.998015873	Alpha-L-rhamnosidase
PCI_9251	GH17	1.50E-23	0.926045016	beta-glucosidase btgE
PCI_9263	CBM50	0.00065	0.675	glycoside hydrolase family 18 protein
PCI_9264	GH18	2.10E-48	0.844594595	Killer toxin subunits alpha/beta
PCI_9268	CE10	3.10E-39	0.351906158	Para-nitrobenzyl esterase
PCI_9270	GT2	1.60E-14	0.505952381	Chitin synthase D
PCI_9288	GT1	2.40E-59	0.777486911	Sterol 3-beta-glucosyltransferase UGT80A2
PCI_9291	GH13_40	7.40E-171	0.991666667	Alpha-glucosidase
PCI_9310	GH43_30	6.70E-100	0.988721805	Glycoside hydrolase, family 43
PCI_9334	GT34	2.40E-81	0.983739837	alpha-1,6-mannosyltransferase MNN10
PCI_9352	AA3_2	3.50E-90	0.987719298	Patulin synthase
PCI_9365	GH109	2.30E-12	0.912698413	scyllo-inositol 2-dehydrogenase (NAD(+))

PCI_9368	GH54	2.80E-141	0.993670886	Alpha-L-arabinofuranosidase B
PCI_9370	AA3_1	4.00E-211	0.716378162	Cellobiose dehydrogenase
PCI_9385	CE1	1.80E-50	0.973568282	S-formylglutathione hydrolase
PCI_9412	GH13_5	7.00E-131	0.932944606	Glucan 1,4-alpha-maltohexaosidase
PCI_9413	GH13_1	1.10E-117	0.993421053	Alpha-amylase A
PCI_9414	GH13_22	1.30E-183	0.997530864	Cell wall alpha-1,3-glucan synthase ags1
PCI_9414	GH13_22	2.50E-85	0.985185185	Cell wall alpha-1,3-glucan synthase ags1
PCI_9417	GH127	1.10E-17	0.423664122	Hypothetical protein
PCI_9419	GH31	4.50E-73	0.981264637	Sulfoquinovosidase
PCI_9420	GH92	5.50E-153	0.99389002	glycosidase Rv0584
PCI_9425	GH131	2.70E-97	0.992156863	carbohydrate-binding module family 1 protein
PCI_9440	GH88	1.40E-93	0.860182371	Unsaturated glucuronyl hydrolase
PCI_9483	GT20	2.30E-169	0.974736842	Alpha,alpha-trehalose-phosphate synthase

Table S3 Differentially expressed genes of *Penicillium citrinum* grown on tobacco leaves

GeneID	Annotation	TL2D_R1	TL2D_R2	CK2D_R1	CK2D_R2	Fold change	log ₂ (fold change)	P-value	FDR	Regulation
PCI_0003	oxidoreductase ordL	1.68	1.42	4.80	6.57	0.27	-1.87	0.00	0.00	down
PCI_0010	3-phytase B	4.38	3.63	0.33	0.20	15.28	3.93	0.00	0.00	up
PCI_0011	Sphingomyelin phosphodiesterase B	10.09	7.24	0.08	0.04	144.55	7.18	0.00	0.00	up
PCI_0017	Hypothetical protein	163.30	281.73	82.74	79.75	2.74	1.45	0.00	0.00	up
PCI_0018	Vacuolar iron transporter cccA	35.96	33.77	12.14	15.45	2.53	1.34	0.00	0.00	up
PCI_0024	Hypothetical protein	63.85	51.11	240.65	210.52	0.25	-1.97	0.00	0.00	down
PCI_0025	Hypothetical protein	196.35	227.11	5.14	4.42	44.30	5.47	0.00	0.00	up
PCI_0047	Mannosyl-oligosaccharide alpha-1,2-mannosidase	76.44	81.61	200.98	197.39	0.40	-1.33	0.00	0.00	down
PCI_0050	U3 small nucleolar RNA-associated protein 11	47.85	54.33	13.45	16.50	3.41	1.77	0.00	0.00	up
PCI_0054	Protein TMA23	36.70	42.51	9.55	11.19	3.82	1.93	0.00	0.00	up
PCI_0063	NAD(P)-binding domain	10.91	6.29	1.55	2.54	4.20	2.07	0.00	0.00	up
PCI_0065	Rab9 effector protein with kelch motifs	13.67	10.96	27.21	26.26	0.46	-1.12	0.00	0.00	down
PCI_0072	tRNA-dihydrouridine(47) synthase	20.32	30.32	9.96	9.10	2.66	1.41	0.00	0.00	up
PCI_0082	3'(2'),5'-cyclic-nucleotide phosphodiesterase 1	5.44	4.11	12.35	13.04	0.38	-1.41	0.00	0.00	down
PCI_0091	ATP-dependent RNA helicase drs1	29.41	31.10	12.99	13.91	2.25	1.17	0.00	0.00	up
PCI_0095	Hypothetical protein	207.16	150.88	456.46	430.41	0.40	-1.31	0.00	0.00	down
PCI_0098	WD repeat-containing protein alr3466	3.61	2.86	6.66	9.08	0.41	-1.28	0.00	0.00	down
PCI_0101	Pyruvate decarboxylase	1.22	0.40	0.06	0.23	5.63	2.49	0.01	0.01	up
PCI_0104	3-isopropylmalate dehydrogenase A	91.63	118.15	50.11	44.63	2.21	1.15	0.00	0.00	up
PCI_0109	Orotidine 5'-phosphate decarboxylase	31.27	29.94	10.38	9.80	3.03	1.60	0.00	0.00	up
PCI_0121	Hypothetical protein	157.39	289.04	72.44	61.68	3.33	1.73	0.00	0.00	up

PCI_0122	RutC family protein PH0854	76.97	68.18	153.84	160.54	0.46	-1.11	0.00	0.00	down
PCI_0129	Monocarboxylate transporter 2	24.14	14.65	43.27	39.65	0.47	-1.10	0.00	0.00	down
PCI_0131	pectin lyase A	76.27	82.33	0.32	0.21	298.04	8.22	0.00	0.00	up
PCI_0136	Hypothetical protein	3.53	3.67	1.44	2.08	2.04	1.03	0.00	0.01	up
PCI_0138	Hypothetical protein	2.32	3.69	0.29	0.17	13.15	3.72	0.00	0.00	up
PCI_0139	Glutathione-dependent formaldehyde-activating enzyme/centromere protein V	18.48	17.78	44.57	42.97	0.41	-1.27	0.00	0.00	down
PCI_0140	Helix-loop-helix DNA-binding	20.31	21.14	49.57	49.47	0.42	-1.26	0.00	0.00	down
PCI_0158	DNA oxidative demethylase ALKBH2	2.43	1.71	3.75	5.27	0.46	-1.12	0.00	0.01	down
PCI_0162	Acyl-CoA desaturase	7.18	8.90	38.35	51.48	0.18	-2.48	0.00	0.00	down
PCI_0164	Hypothetical protein	0.58	0.35	3.37	3.55	0.13	-2.90	0.00	0.00	down
PCI_0166	Fumarylacetoacetate (FAA) hydrolase	0.48	0.16	4.50	3.44	0.08	-3.65	0.00	0.00	down
PCI_0169	Zinc finger, C2H2-like	1.54	0.56	4.58	5.97	0.20	-2.33	0.00	0.00	down
PCI_0171	Copper amine oxidase 1	172.34	105.82	23.78	26.27	5.56	2.47	0.00	0.00	up
PCI_0177	cutinase 1	50.58	29.42	0.27	0.31	136.63	7.09	0.00	0.00	up
PCI_0179	Hypothetical protein	82.99	69.51	156.30	152.91	0.49	-1.02	0.00	0.00	down
PCI_0185	Hypothetical protein	3.12	2.65	6.76	9.40	0.36	-1.49	0.00	0.00	down
PCI_0186	(S)-2-haloacid dehalogenase IVA	1.46	1.92	12.24	13.80	0.13	-2.95	0.00	0.00	down
PCI_0187	GDP-Man: alpha-1,3-mannosyltransferase	14.45	10.55	31.17	27.98	0.42	-1.24	0.00	0.00	down
PCI_0192	Proline-specific permease	28.81	31.80	16.67	13.47	2.01	1.01	0.00	0.00	up
PCI_0217	Hypothetical protein	10.83	8.28	20.60	18.76	0.49	-1.04	0.00	0.00	down
PCI_0227	Hydrophobin	6085.26	3764.25	17134.42	16187.69	0.30	-1.76	0.00	0.00	down
PCI_0229	Ankyrin repeat-containing protein P16F5.05c	41.16	42.50	19.54	22.00	2.01	1.01	0.00	0.00	up
PCI_0237	Allantoate transporter	0.09	0.02	0.70	0.43	0.10	-3.32	0.00	0.00	down
PCI_0246	Hypothetical protein	6.10	3.70	17.77	16.56	0.29	-1.81	0.00	0.00	down
PCI_0250	Hypothetical protein	0.90	0.90	7.56	6.10	0.13	-2.92	0.00	0.00	down
PCI_0251	Cytochrome P450	0.02	0.00	0.21	0.24	0.05	-4.23	0.01	0.03	down

	monooxygenase lnbC									
PCI_0260	NAD(P) transhydrogenase, mitochondrial	14.07	13.63	28.44	28.58	0.49	-1.04	0.00	0.00	down
PCI_0267	Beta-cyclopiasonate dehydrogenase	9.73	8.93	0.95	0.83	10.47	3.39	0.00	0.00	up
PCI_0268	Major facilitator superfamily multidrug transporter NAG4	1.63	1.75	0.12	0.17	11.96	3.58	0.00	0.00	up
PCI_0269	Fungal transcriptional regulatory protein, N-terminal	10.92	10.36	23.65	25.37	0.43	-1.20	0.00	0.00	down
PCI_0270	Fumarylacetoacetase	15.51	11.08	47.59	46.10	0.28	-1.82	0.00	0.00	down
PCI_0271	Isonitrile hydratase-like protein xanA	0.25	0.00	2.23	2.68	0.05	-4.30	0.00	0.00	down
PCI_0272	Isocyanide synthase xanB	2.86	1.76	17.45	17.20	0.13	-2.91	0.00	0.00	down
PCI_0273	Transcription factor himD	2.08	1.57	3.83	4.43	0.44	-1.18	0.00	0.00	down
PCI_0278	Transcription-associated protein 1	7.36	7.30	15.13	15.33	0.48	-1.06	0.00	0.00	down
PCI_0281	Hypothetical protein	61.03	40.48	174.59	145.64	0.32	-1.66	0.00	0.00	down
PCI_0299	Low-affinity potassium transport protein	12.90	13.12	29.69	25.23	0.47	-1.08	0.00	0.00	down
PCI_0304	Cyanovirin-N homolog	27.18	30.95	107.14	96.62	0.29	-1.81	0.00	0.00	down
PCI_0305	Hypothetical protein	33.65	34.96	109.67	117.10	0.30	-1.72	0.00	0.00	down
PCI_0311	Mitochondrial import inner membrane translocase subunit tim22	45.51	57.72	21.03	19.72	2.53	1.34	0.00	0.00	up
PCI_0317	alpha-galactosidase B	5.27	4.67	11.46	13.44	0.40	-1.33	0.00	0.00	down
PCI_0321	Necrosis inducing protein	0.28	0.12	0.73	1.20	0.20	-2.30	0.01	0.02	down
PCI_0324	Hypothetical protein	25.46	30.00	12.30	12.94	2.20	1.14	0.00	0.00	up
PCI_0327	zinc protease mug138	21.66	22.35	43.45	45.13	0.50	-1.01	0.00	0.00	down
PCI_0328	Antigenic thaumatin-like protein ARB_01932	1.63	1.64	4.56	7.13	0.28	-1.83	0.00	0.00	down
PCI_0339	Protein kinase-like domain	1.72	2.94	5.20	5.42	0.44	-1.19	0.01	0.02	down
PCI_0344	Endo-1,4-beta-xylanase D	2.02	1.41	0.05	0.06	29.54	4.88	0.00	0.00	up
PCI_0345	Hsp70/Hsp90 co-chaperone cns1	34.67	37.50	11.02	12.49	3.07	1.62	0.00	0.00	up
PCI_0346	3-isopropylmalate	40.33	46.16	15.22	18.12	2.59	1.38	0.00	0.00	up

	dehydrogenase B									
PCI_0347	heme-binding peroxidase	43.50	41.61	11.59	14.68	3.24	1.70	0.00	0.00	up
PCI_0358	Acetoacetyl-CoA synthetase	1.36	0.98	3.24	2.67	0.40	-1.34	0.00	0.00	down
PCI_0360	Nitrilase blr3397	1.31	1.14	5.58	4.65	0.24	-2.06	0.00	0.00	down
PCI_0366	arrestin (or S-antigen), N-terminal domain protein	9.70	4.52	30.27	32.40	0.23	-2.14	0.00	0.00	down
PCI_0369	Endochitinase B1	12.49	4.19	1.41	3.54	3.37	1.75	0.00	0.01	up
PCI_0376	Ribosome maturation protein SBDS	44.89	88.63	240.07	179.30	0.32	-1.65	0.00	0.00	down
PCI_0377	Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 2 protein	0.63	1.67	8.15	6.34	0.16	-2.65	0.00	0.00	down
PCI_0384	Mannan endo-1,6-alpha-mannosidase DCW1	0.82	0.99	0.13	0.37	3.59	1.84	0.01	0.02	up
PCI_0387	Glucan 1,3-beta-glucosidase	1.69	0.88	28.20	28.87	0.05	-4.47	0.00	0.00	down
PCI_0391	efflux pump kojT	7.45	5.24	0.10	0.41	25.08	4.65	0.00	0.00	up
PCI_0392	Superoxide dismutase	8.48	8.42	3.36	4.79	2.07	1.05	0.00	0.00	up
PCI_0400	Ubiquitin-conjugating enzyme E2-20 kDa	141.00	128.75	290.80	304.50	0.45	-1.14	0.00	0.00	down
PCI_0408	meiosis specific protein Hop1	1.26	1.03	5.57	5.44	0.21	-2.27	0.00	0.00	down
PCI_0413	ThiJ/PfpI	10.29	10.38	47.61	39.79	0.24	-2.08	0.00	0.00	down
PCI_0424	beta-glucosidase M	0.20	0.06	0.50	0.79	0.20	-2.34	0.00	0.01	down
PCI_0425	Membrane-associated, eicosanoid/glutathione metabolism (MAPEG) protein	7.26	5.35	16.73	19.41	0.35	-1.52	0.00	0.00	down
PCI_0427	beta-glucosidase L	3.29	2.39	93.98	90.83	0.03	-5.02	0.00	0.00	down
PCI_0428	protein PB7E8.02	19.52	19.32	47.76	43.15	0.43	-1.23	0.00	0.00	down
PCI_0433	Cytoplasmic tRNA 2-thiolation protein 1	26.79	24.80	9.47	11.62	2.45	1.29	0.00	0.00	up
PCI_0442	D-isomer specific 2-hydroxyacid dehydrogenase NAD-binding protein	1.44	1.13	2.39	3.00	0.48	-1.07	0.00	0.01	down
PCI_0443	D-3-phosphoglycerate dehydrogenase	1.80	2.16	4.41	6.43	0.37	-1.45	0.00	0.00	down

PCI_0445	Quinate permease	0.20	0.17	0.94	1.40	0.16	-2.67	0.00	0.00	down
PCI_0447	PHO85 cyclin-1	78.94	41.26	173.55	144.73	0.38	-1.40	0.00	0.00	down
PCI_0448	Xyloglucan-specific endo-beta-1,4-glucanase A	268.76	244.88	3.31	2.93	82.33	6.36	0	0	up
PCI_0453	Polyamine transporter 4	1.01	0.35	1.65	3.13	0.28	-1.82	0.01	0.01	down
PCI_0454	Glutathione S-transferase kappa 1	12.30	19.60	44.85	60.71	0.30	-1.73	0.00	0.00	down
PCI_0465	Hypothetical protein	49.01	55.60	19.69	21.32	2.55	1.35	0.00	0.00	up
PCI_0468	Hypothetical protein	20.23	52.54	104.46	151.41	0.28	-1.81	0.02	0.04	down
PCI_0469	Hypothetical protein	7.86	27.31	88.68	107.23	0.18	-2.48	0.01	0.01	down
PCI_0473	secreted lipase ARB_00047	69.29	56.80	20.10	21.81	3.01	1.59	0.00	0.00	up
PCI_0474	endo-1,3(4)-beta-glucanase ARB_01444	49.39	28.30	168.90	169.81	0.23	-2.12	0.00	0.00	down
PCI_0475	Hypothetical protein	23.94	25.10	6.60	7.65	3.44	1.78	0.00	0.00	up
PCI_0478	Polyadenylate-binding protein, cytoplasmic and nuclear	169.57	186.61	81.06	83.54	2.16	1.11	0.00	0.00	up
PCI_0482	tartrate dehydrogenase/decarboxylase TuC'	1.37	1.17	4.35	5.13	0.27	-1.90	0.00	0.00	down
PCI_0484	Succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial	36.11	39.67	4.26	3.87	9.32	3.22	0.00	0.00	up
PCI_0518	Hypothetical protein	3.47	4.04	1.53	1.79	2.26	1.18	0.00	0.00	up
PCI_0526	Hypothetical protein	26.49	37.55	78.98	78.35	0.41	-1.30	0.00	0.00	down
PCI_0528	tubulin--tyrosine ligase PBY1	90.44	93.47	42.60	43.56	2.13	1.09	0.00	0.00	up
PCI_0531	GPI anchored serine-threonine rich protein	884.71	1030.97	370.75	359.38	2.62	1.39	0.00	0.00	up
PCI_0532	Vanillin dehydrogenase	56.61	62.88	23.79	26.56	2.37	1.25	0.00	0.00	up
PCI_0533	Hypothetical protein	54.00	61.95	1.79	3.02	24.10	4.59	0.00	0.00	up
PCI_0534	3-phytase A	0.23	0.64	0.04	0.11	5.81	2.54	0.01	0.02	up
PCI_0536	NmrA-like family protein	1.00	1.30	3.55	3.68	0.32	-1.65	0.00	0.00	down
PCI_0537	glucan 1,3-beta-glucosidase A	61.90	47.25	674.12	604.30	0.09	-3.55	0.00	0.00	down
PCI_0544	Protein of unknown function	0.73	1.10	0.18	0.18	5.05	2.34	0.00	0.00	up

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PCI_0545	Norsolorinic acid ketoreductase	3.17	2.42	7.28	6.81	0.40	-1.34	0.00	0.00	down
PCI_0546	Peptidase A1	1.70	1.81	0.49	0.15	5.47	2.45	0.00	0.01	up
PCI_0547	aspartic-type endopeptidase opsB	3.75	3.74	0.76	0.72	5.05	2.34	0.00	0.00	up
PCI_0553	Hypothetical protein	3.01	2.42	17.12	15.20	0.17	-2.57	0.00	0.00	down
PCI_0559	Protein SOK1	15.40	13.53	123.11	94.56	0.13	-2.91	0.00	0.00	down
PCI_0560	Carboxypeptidase Y homolog ARB_06361	0.25	0.23	1.64	1.13	0.17	-2.54	0.00	0.00	down
PCI_0564	Hypothetical protein	0.31	0.48	1.03	2.96	0.20	-2.35	0.01	0.01	down
PCI_0571	Protein of unknown function DUF3984	15.37	12.18	32.80	33.60	0.42	-1.27	0.00	0.00	down
PCI_0583	Dual specificity protein phosphatase 15	17.82	20.30	7.02	8.19	2.51	1.33	0.00	0.00	up
PCI_0601	Protein kinase domain family protein	15.57	24.40	8.61	9.06	2.26	1.18	0.00	0.00	up
PCI_0606	Hypothetical protein	161.39	177.02	364.43	365.78	0.46	-1.11	0.00	0.00	down
PCI_0608	HLH DNA binding domain protein	50.87	32.65	12.38	10.96	3.58	1.84	0.00	0.00	up
PCI_0615	ABC1 family protein MCP2 homolog	28.72	32.49	15.65	14.28	2.05	1.03	0.00	0.00	up
PCI_0622	Allergen Asp f 7	376.51	435.36	869.64	952.79	0.45	-1.17	0.00	0.00	down
PCI_0623	transmembrane protein	13.55	31.20	0.57	0.58	38.82	5.28	0.00	0.00	up
PCI_0625	pectate lyase D	5.61	8.52	0.08	0.19	52.92	5.73	0.00	0.00	up
PCI_0627	Hypothetical protein	4.07	2.84	60.86	74.19	0.05	-4.29	0.00	0.00	down
PCI_0629	Hypothetical protein	11.90	10.89	96.38	102.45	0.11	-3.12	0.00	0.00	down
PCI_0631	HET-domain-containing protein	1.21	0.76	0.04	0.09	15.29	3.93	0.00	0.00	up
PCI_0632	Hypothetical protein	2.23	2.07	0.47	1.06	2.81	1.49	0.00	0.01	up
PCI_0635	MFS transporter	2.62	2.12	6.75	5.72	0.38	-1.39	0.00	0.00	down
PCI_0650	alpha/beta hydrolase fold family protein	33.95	53.97	11.09	10.67	4.04	2.01	0.00	0.00	up
PCI_0651	Amino-acid permease BAT1	11.79	6.09	3.47	3.88	2.43	1.28	0.00	0.00	up
PCI_0653	Copper amine oxidase, N2/N3-terminal	1.42	1.38	0.76	0.64	2.00	1.00	0.00	0.00	up

PCI_0658	Sulfite efflux pump SSU1	0.38	0.60	9.16	12.57	0.05	-4.47	0.00	0.00	down
PCI_0660	MFS-type transporter cnsO	2.34	2.52	7.76	10.56	0.26	-1.92	0.00	0.00	down
PCI_0661	Alpha-N-acetylglucosaminidase	3.68	2.78	8.81	9.91	0.35	-1.53	0.00	0.00	down
PCI_0663	30 kDa heat shock protein	19.05	8.50	46.23	44.84	0.30	-1.72	0.00	0.00	down
PCI_0677	NADH:flavin oxidoreductase FG08077	587.93	274.88	83.10	78.85	5.33	2.41	0.00	0.00	up
PCI_0678	3-oxoacyl-[acyl-carrier-protein] reductase FabG	2.84	1.95	0.90	1.42	2.06	1.04	0.02	0.04	up
PCI_0679	Indoleamine 2,3-dioxygenase	3.74	3.54	9.30	8.60	0.41	-1.30	0.00	0.00	down
PCI_0681	Hypothetical protein	0.63	1.51	6.98	11.82	0.11	-3.13	0.00	0.00	down
PCI_0682	Hypothetical protein	3.12	4.06	30.51	45.29	0.09	-3.40	0.00	0.00	down
PCI_0684	Hypothetical protein	4.73	5.82	2.72	2.38	2.07	1.05	0.00	0.00	up
PCI_0686	F-box domain protein	3.08	2.99	6.50	5.92	0.49	-1.03	0.00	0.00	down
PCI_0688	Hypothetical protein	45.56	58.95	3.17	4.06	14.45	3.85	0.00	0.00	up
PCI_0690	Short chain dehydrogenase andI	17.49	16.83	2.81	3.37	5.55	2.47	0.00	0.00	up
PCI_0694	Palmitoyl-protein thioesterase 1	24.59	23.70	49.07	50.20	0.49	-1.04	0.00	0.00	down
PCI_0704	UPF0442 protein C7D4.12c	4.65	2.28	23.51	23.80	0.15	-2.77	0.00	0.00	down
PCI_0710	secreted lipase ARB_02369	5.81	6.44	1.28	1.98	3.75	1.91	0.00	0.00	up
PCI_0711	Hypothetical protein	2.11	2.03	4.17	8.51	0.33	-1.62	0.00	0.00	down
PCI_0713	Macro domain-containing protein CT2219	9.09	13.74	24.06	31.46	0.41	-1.28	0.00	0.00	down
PCI_0717	P-type ATPase	9.69	9.65	1.81	2.81	4.18	2.06	0.00	0.00	up
PCI_0726	U3 small nucleolar RNA-associated protein 15	42.78	49.20	19.98	19.73	2.32	1.21	0.00	0.00	up
PCI_0733	Hypothetical protein	41.68	21.53	139.90	120.95	0.24	-2.04	0.00	0.00	down
PCI_0740	oxidoreductase C513.07	0.31	0.21	1.66	3.22	0.11	-3.24	0.00	0.00	down
PCI_0741	L-galactonate dehydratase	0.98	0.80	2.24	2.66	0.36	-1.46	0.00	0.00	down
PCI_0742	Cell division/GTP binding protein	51.97	57.76	27.02	23.88	2.16	1.11	0.00	0.00	up
PCI_0744	Glutaminase A	95.34	73.15	235.09	216.79	0.37	-1.42	0.00	0.00	down
PCI_0746	Hypothetical protein	26.82	16.68	9.42	10.68	2.16	1.11	0.00	0.00	up
PCI_0770	Uroporphyrinogen-III C-methyltransferase	58.39	48.60	21.98	19.72	2.57	1.36	0.00	0.00	up

PCI_0776	Protein NipSnap homolog 1	52.17	52.06	148.40	142.71	0.36	-1.48	0.00	0.00	down
PCI_0782	Hypothetical protein	1.44	3.71	22.54	20.70	0.12	-3.07	0.00	0.00	down
PCI_0784	quinate permease	2.63	2.86	11.37	14.16	0.22	-2.22	0.00	0.00	down
PCI_0793	Hypothetical protein	47.54	40.09	0.97	2.08	28.79	4.85	0.00	0.00	up
PCI_0795	Hypothetical protein	1.68	1.14	4.12	3.44	0.37	-1.42	0.00	0.01	down
PCI_0796	3-hydroxybenzoate 6-hydroxylase 1	0.90	1.01	0.23	0.19	4.50	2.17	0.00	0.00	up
PCI_0800	Suppressor of glycerol defect protein 1	13.35	15.04	6.62	6.68	2.13	1.09	0.00	0.00	up
PCI_0806	fructosyl amine:oxygen oxidoreductase	306.46	256.03	87.35	99.93	3.00	1.59	0.00	0.00	up
PCI_0807	MFS-type transporter C1271.10c	309.63	171.68	90.21	102.80	2.49	1.32	0.00	0.00	up
PCI_0808	Hypothetical protein	2.61	9.12	1.53	1.07	4.51	2.17	0.00	0.00	up
PCI_0812	Zinc finger, C2H2-like	105.40	230.39	60.62	79.09	2.40	1.27	0.00	0.00	up
PCI_0814	Sugar transporter STL1	4.15	2.81	14.57	13.93	0.24	-2.03	0.00	0.00	down
PCI_0816	alpha/beta hydrolase fold-3 domain containing protein	0.71	0.84	15.13	21.54	0.04	-4.56	0.00	0.00	down
PCI_0818	Endoglycoceramidase	0.75	1.15	3.28	4.72	0.24	-2.08	0.00	0.00	down
PCI_0822	Psi-producing oxygenase A	15.21	0.76	133.57	133.45	0.06	-4.06	0.01	0.02	down
PCI_0824	NADH-dependent flavin oxidoreductase iccG	0.12	0.04	0.71	0.45	0.14	-2.81	0.00	0.01	down
PCI_0825	alpha-galactosidase C	2.78	1.47	7.51	8.17	0.27	-1.88	0.00	0.00	down
PCI_0826	Vacuolar calcium ion transporter	0.40	0.14	2.80	3.39	0.09	-3.51	0.00	0.00	down
PCI_0827	Tetratricopeptide-like helical	1.03	0.68	9.62	9.00	0.09	-3.44	0.00	0.00	down
PCI_0828	Vacuolar calcium ion transporter	2.35	1.04	8.38	8.13	0.21	-2.28	0.00	0.00	down
PCI_0833	Hypothetical protein	35.71	368.55	7.09	5.50	32.10	5.00	0.00	0.00	up
PCI_0834	Hypothetical protein	52.75	198.53	22.22	24.29	5.40	2.43	0.00	0.01	up
PCI_0836	Nuclear localization sequence-binding protein	380.33	443.81	106.36	100.10	3.99	2.00	0.00	0.00	up
PCI_0842	Hypothetical protein	4.16	3.99	10.89	10.61	0.38	-1.40	0.00	0.00	down
PCI_0853	Nonribosomal peptide synthase sidD	0.52	0.65	0.06	0.08	8.53	3.09	0.00	0.00	up
PCI_0854	ABC transporter 1	1.25	1.67	0.70	0.68	2.12	1.08	0.00	0.00	up

PCI_0857	Siderophore iron transporter mirB	14.75	17.24	0.21	0.36	56.09	5.81	0.00	0.00	up
PCI_0859	Sexual differentiation process protein isp4	34.16	17.43	61.24	83.98	0.36	-1.49	0.00	0.00	down
PCI_0870	Outward-rectifier potassium channel TOK1	1.51	1.39	6.67	7.86	0.20	-2.32	0.00	0.00	down
PCI_0874	Hypothetical protein	105.17	75.09	193.59	175.98	0.49	-1.04	0.00	0.00	down
PCI_0883	Phosphopantothenate-- cysteine ligase CAB2	20.39	20.28	49.31	49.01	0.41	-1.27	0.00	0.00	down
PCI_0884	Hypothetical protein	30.09	25.94	65.87	59.23	0.45	-1.16	0.00	0.00	down
PCI_0885	Cytochrome P450 monooxygenase lcsI	188.80	278.47	6.93	15.93	20.44	4.35	0.00	0.00	up
PCI_0886	Hypothetical protein	3.74	5.34	1.47	1.83	2.75	1.46	0.00	0.00	up
PCI_0890	Chitinase A1	121.51	77.04	520.58	520.55	0.19	-2.39	0.00	0.00	down
PCI_0891	Hypothetical protein	15.11	8.24	32.99	31.26	0.36	-1.46	0.00	0.00	down
PCI_0892	FAD-linked oxidoreductase ZEB1	192.65	192.10	8.44	12.33	18.52	4.21	0.00	0.00	up
PCI_0897	protein FPRN_12878	20.14	11.71	2.86	3.98	4.66	2.22	0.00	0.00	up
PCI_0898	Hypothetical protein	5.20	2.10	1.19	1.43	2.79	1.48	0.00	0.01	up
PCI_0899	Amino acid/polyamine transporter I	1.01	0.80	0.33	0.27	3.00	1.58	0.00	0.00	up
PCI_0906	major facilitator superfamily transporter 3	0.79	0.41	0.00	0.06	19.14	4.26	0.00	0.00	up
PCI_0908	Alcohol oxidase 1	0.10	0.11	0.43	0.75	0.18	-2.50	0.00	0.00	down
PCI_0909	Protein of unknown function DUF3468	8.40	7.13	19.51	22.97	0.37	-1.45	0.00	0.00	down
PCI_0921	Hypothetical protein	2.54	19.88	0.00	0.08	272.34	8.09	0.00	0.00	up
PCI_0924	aryl-alcohol dehydrogenase AAD14	1.54	1.21	0.35	0.23	4.82	2.27	0.00	0.00	up
PCI_0926	Cell wall protein,	245.34	316.09	89.50	83.23	3.25	1.70	0.00	0.00	up
PCI_0928	5'-deoxyadenosine deaminase	9.00	7.02	3.75	4.00	2.07	1.05	0.00	0.00	up
PCI_0930	Cytochrome P450 monooxygenase ppsD	13.86	11.71	1.94	2.99	5.19	2.37	0.00	0.00	up
PCI_0943	Alpha-mannosidase	14.05	12.83	48.59	50.34	0.27	-1.88	0.00	0.00	down
PCI_0945	Acetate permease A	0.04	0.06	0.66	0.74	0.07	-3.89	0.00	0.00	down

PCI_0955	sialidase	0.41	0.30	0.05	0.10	4.99	2.32	0.00	0.00	up
PCI_0962	Hypothetical protein	3.12	1.92	8.16	7.29	0.33	-1.62	0.00	0.00	down
PCI_0971	Methyltransferase tpcH	1.74	1.00	5.03	6.77	0.23	-2.11	0.00	0.00	down
PCI_0980	Phosphonoacetate hydrolase	1.32	1.86	0.30	0.76	2.99	1.58	0.01	0.02	up
PCI_0982	beta-glucosidase G	1.54	0.71	0.30	0.13	5.17	2.37	0.00	0.00	up
PCI_0992	Hypothetical protein	13.98	8.82	38.38	37.64	0.30	-1.74	0.00	0.00	down
PCI_0996	Hypothetical protein	0.64	1.03	0.30	0.09	4.24	2.08	0.01	0.02	up
PCI_1000	3-ketoacyl-CoA thiolase, peroxisomal	76.45	82.82	8.72	9.43	8.77	3.13	0.00	0.00	up
PCI_1001	Long-chain fatty acid transport protein 6	34.10	37.00	0.16	0.23	179.88	7.49	0.00	0.00	up
PCI_1003	Pantothenate transporter liz1	0.35	0.18	1.47	1.38	0.19	-2.41	0.00	0.00	down
PCI_1007	4-methyl-5-nitrocatechol 5- monooxygenase	1.06	0.77	0.26	0.44	2.63	1.40	0.01	0.02	up
PCI_1009	KRR1 small subunit processome component	71.59	78.45	24.13	25.47	3.02	1.60	0.00	0.00	up
PCI_1013	conserved protein UCP014753	0.64	0.52	1.72	1.44	0.37	-1.45	0.00	0.00	down
PCI_1014	25S rRNA (adenine-N(1))- methyltransferase	27.44	36.52	10.37	10.57	3.06	1.61	0.00	0.00	up
PCI_1020	integral membrane protein	12.66	7.74	1.80	1.42	6.33	2.66	0.00	0.00	up
PCI_1022	Nucleolar GTP-binding protein 1	110.73	121.66	35.63	40.55	3.05	1.61	0.00	0.00	up
PCI_1024	Cytochrome P450 monooxygenase yanH	5.70	5.82	88.92	118.76	0.06	-4.17	0.00	0.00	down
PCI_1025	Cytochrome P450	7.78	9.07	49.07	61.22	0.15	-2.71	0.00	0.00	down
PCI_1026	Phomenoic acid biosynthesis cluster cytochrome P450 monooxygenase	10.55	10.56	44.45	52.15	0.22	-2.19	0.00	0.00	down
PCI_1030	MFS-type efflux pump MFS2	5.82	8.68	1.82	1.86	3.94	1.98	0.00	0.00	up
PCI_1039	Zn(2)-C6 fungal-type DNA- binding domain	0.85	0.79	1.62	2.32	0.42	-1.26	0.00	0.00	down
PCI_1049	Hypothetical protein	150.01	92.00	287.31	253.74	0.45	-1.16	0.00	0.00	down
PCI_1051	DNA repair protein rhp42	2.70	3.12	8.28	8.60	0.34	-1.54	0.00	0.00	down
PCI_1059	ABC multidrug transporter	0.91	1.14	3.89	2.84	0.31	-1.71	0.00	0.00	down

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PCI_1072	Beta-glucan synthesis-associated protein KRE6	37.58	20.18	140.29	118.98	0.22	-2.17	0.00	0.00	down
PCI_1086	cytochrome P450 51	1.14	0.64	3.13	3.31	0.28	-1.86	0.00	0.01	down
PCI_1102	Protein HOL1	0.34	0.27	0.91	0.99	0.32	-1.64	0.00	0.00	down
PCI_1113	Alcohol dehydrogenase 2	15.87	16.36	0.68	1.13	17.81	4.15	0.00	0.00	up
PCI_1131	Acetylornithine aminotransferase, mitochondrial	70.05	72.78	33.61	31.28	2.20	1.14	0.00	0.00	up
PCI_1132	Protein btn1	9.15	6.88	21.38	21.16	0.38	-1.41	0.00	0.00	down
PCI_1133	Hormone-sensitive lipase	4.40	3.21	11.64	12.67	0.31	-1.68	0.00	0.00	down
PCI_1134	Haloacid dehalogenase-like hydrolase	71.21	40.57	20.17	24.80	2.49	1.31	0.00	0.00	up
PCI_1136	Hypothetical protein	3.54	2.20	6.91	7.36	0.40	-1.31	0.00	0.00	down
PCI_1141	MFS-type transporter oryN	30.96	34.42	257.43	226.28	0.14	-2.89	0.00	0.00	down
PCI_1143	Hypothetical protein	9.49	9.74	31.77	31.93	0.30	-1.73	0.00	0.00	down
PCI_1146	Cis-3-hydroxy-L-proline dehydratase	1.68	0.95	4.09	3.93	0.33	-1.61	0.00	0.00	down
PCI_1147	Secreted lipase ARB07186/07185	21.66	19.02	3.27	4.05	5.56	2.48	0.00	0.00	up
PCI_1148	Transferase	11.36	8.90	0.41	0.47	22.91	4.52	0.00	0.00	up
PCI_1151	Hypothetical protein	4.45	1.26	0.33	0.63	5.96	2.58	0.00	0.01	up
PCI_1152	Alpha-L-rhamnosidase	0.77	0.60	1.46	1.73	0.43	-1.22	0.00	0.00	down
PCI_1153	Glucose-repressible gene protein	161.41	121.97	921.90	1327.63	0.13	-2.99	0.00	0.00	down
PCI_1155	Acyl-CoA ligase SID4	3.13	3.51	0.42	0.92	4.95	2.31	0.00	0.00	up
PCI_1156	glutamine synthetase catalytic region	6.75	7.79	0.91	0.56	9.84	3.30	0.00	0.00	up
PCI_1157	Major facilitator superfamily domain, general substrate transporter	2.49	2.31	0.26	0.27	9.14	3.19	0.00	0.00	up
PCI_1160	Allergen Asp f 15	61.55	87.26	300.02	346.93	0.23	-2.12	0.00	0.00	down
PCI_1162	MFS-type transporter cnsO	0.86	0.89	2.05	2.78	0.36	-1.46	0.00	0.00	down
PCI_1167	Scytalone dehydratase-like protein Arp1	35.81	25.19	4.14	4.94	6.72	2.75	0.00	0.00	up
PCI_1171	Protein bfr2	50.64	54.75	13.82	16.65	3.46	1.79	0.00	0.00	up

PCI_1178	NPC intracellular sterol transporter 1-related protein 1	13.46	9.85	27.24	27.06	0.43	-1.22	0.00	0.00	down
PCI_1179	importin subunit beta-4	153.90	172.35	58.23	60.41	2.75	1.46	0.00	0.00	up
PCI_1183	Alcohol dehydrogenase patD	2.77	1.51	0.90	0.61	2.84	1.51	0.00	0.00	up
PCI_1190	Sterol carrier protein 2	3.85	3.83	9.87	8.04	0.43	-1.22	0.00	0.00	down
PCI_1192	glutathione-dependent formaldehyde-activating enzyme	290.88	166.64	27.39	36.72	7.14	2.84	0.00	0.00	up
PCI_1193	Hypothetical protein	44.44	26.46	13.79	15.18	2.45	1.29	0.00	0.00	up
PCI_1194	Choline transport protein	27.94	30.43	11.20	11.63	2.56	1.35	0.00	0.00	up
PCI_1195	Hypothetical protein	321.78	18.83	1427.34	1365.95	0.12	-3.04	0.02	0.04	down
PCI_1198	Arginine permease CAN1	14.94	16.24	113.86	87.35	0.15	-2.69	0.00	0.00	down
PCI_1204	Tetratricopeptide-like helical	22.53	13.11	1.83	2.52	8.18	3.03	0.00	0.00	up
PCI_1210	Hypothetical protein	11.36	7.54	20.83	17.64	0.49	-1.03	0.00	0.00	down
PCI_1212	Fungal transcriptional regulatory protein, N-terminal	10.43	7.77	20.70	26.14	0.39	-1.36	0.00	0.00	down
PCI_1223	Siderophore iron transporter mirB	29.34	17.42	0.93	1.07	23.39	4.55	0.00	0.00	up
PCI_1225	membrane protein YJR124C	13.96	14.86	2.78	2.37	5.61	2.49	0.00	0.00	up
PCI_1226	Transcription factor asR3	18.61	15.78	2.75	2.67	6.34	2.67	0.00	0.00	up
PCI_1230	Ferulic acid decarboxylase 1	35.46	12.82	0.96	1.25	21.80	4.45	0.00	0.00	up
PCI_1231	Flavin prenyltransferase PAD1, mitochondrial	41.34	14.94	0.72	1.09	31.07	4.96	0.00	0.00	up
PCI_1234	Bifunctional dethiobiotin synthetase/adenosylmethionine-8-amino-7-oxononanoate aminotransferase	17.35	22.84	44.29	46.95	0.44	-1.18	0.00	0.00	down
PCI_1235	8-amino-7-oxononanoate synthase	9.73	9.91	22.53	22.65	0.43	-1.20	0.00	0.00	down
PCI_1238	pH-response regulator protein palC	14.27	10.13	26.39	24.89	0.48	-1.07	0.00	0.00	down
PCI_1243	Arginine permease CAN1	12.68	13.16	4.11	3.48	3.40	1.77	0.00	0.00	up
PCI_1244	LPPG:FO 2-phospho-L-lactate transferase	3.62	2.96	6.25	6.92	0.50	-1.00	0.00	0.00	down

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PCI_1252	Polyketide synthase-nonribosomal peptide synthetase	0.12	0.05	0.53	0.44	0.17	-2.57	0.00	0.00	down
PCI_1257	specific transcription factor domain protein	0.19	0.26	0.01	0.00	40.19	5.33	0.00	0.00	up
PCI_1259	Zn(II)2Cys6 transcription factor	2.07	1.58	4.27	4.80	0.40	-1.31	0.00	0.00	down
PCI_1262	Nitrate reductase	5.81	2.27	18.76	19.62	0.21	-2.25	0.00	0.00	down
PCI_1264	catechol O-methyltransferase 2	29.20	6.85	211.00	201.72	0.09	-3.52	0.00	0.00	down
PCI_1265	Phenol hydroxylase	9.52	1.87	79.04	77.78	0.07	-3.78	0.00	0.00	down
PCI_1266	solid-state culture specific ATP-grasp domain protein	12.55	9.06	37.75	36.11	0.29	-1.77	0.00	0.00	down
PCI_1272	High-affinity methionine permease	0.48	0.24	1.05	1.30	0.31	-1.70	0.00	0.01	down
PCI_1275	Quinone reductase	9.32	3.95	15.62	21.01	0.36	-1.46	0.00	0.00	down
PCI_1282	C2H2 finger domain transcription factor sebA	93.47	72.62	38.63	41.96	2.06	1.04	0.00	0.00	up
PCI_1286	dipeptidase protein	24.29	24.75	2.65	3.06	8.59	3.10	0.00	0.00	up
PCI_1287	Hypothetical protein	0.50	0.35	0.05	0.12	5.07	2.34	0.01	0.01	up
PCI_1288	Repressible high-affinity phosphate permease	3.57	2.30	0.21	0.21	14.07	3.81	0.00	0.00	up
PCI_1310	C6 zinc finger domain protein	21.48	29.63	10.85	11.54	2.28	1.19	0.00	0.00	up
PCI_1312	Nucleolar GTP-binding protein 2	114.05	122.43	30.60	30.26	3.89	1.96	0.00	0.00	up
PCI_1314	protein of unknown function DUF3835	22.01	21.10	8.09	9.12	2.50	1.32	0.00	0.00	up
PCI_1317	Hypothetical protein	65.66	71.54	6.51	10.09	8.27	3.05	0.00	0.00	up
PCI_1330	Major facilitator superfamily multidrug transporter mfsB	16.00	11.82	5.98	5.95	2.33	1.22	0.00	0.00	up
PCI_1332	Hypothetical protein	14.00	10.91	24.27	29.32	0.46	-1.11	0.00	0.00	down
PCI_1336	Short chain dehydrogenases/reductase notP'	103.40	58.97	195.10	259.32	0.36	-1.48	0.00	0.00	down

PCI_1337	aspartic-type endopeptidase opsB	24.02	29.60	3.95	5.42	5.72	2.52	0.00	0.00	up
PCI_1338	Sulfatase domain containing protein	22.89	15.75	84.55	73.46	0.24	-2.03	0.00	0.00	down
PCI_1343	Major facilitator superfamily transporter	0.11	0.09	0.00	0.00	984.41	9.94	0.01	0.01	up
PCI_1348	Lactose permease	0.14	0.07	0.63	0.27	0.23	-2.10	0.03	0.05	down
PCI_1357	3-phytase A	17.16	12.55	6.00	6.26	2.42	1.28	0.00	0.00	up
PCI_1362	Para-nitrobenzyl esterase	0.96	0.88	0.11	0.31	4.33	2.11	0.00	0.00	up
PCI_1365	Hypothetical protein	6.12	4.92	1.39	2.22	3.06	1.61	0.00	0.00	up
PCI_1371	Hypothetical protein	12.12	8.18	2.24	3.37	3.62	1.85	0.00	0.00	up
PCI_1374	Triacylglycerol lipase 4	6.60	6.37	13.84	14.41	0.46	-1.12	0.00	0.00	down
PCI_1375	Hypothetical protein	13.19	13.00	4.32	4.48	2.98	1.58	0.00	0.00	up
PCI_1385	oxidoreductase AN7799	5.99	3.84	10.48	10.94	0.46	-1.12	0.00	0.00	down
PCI_1387	UDP-glucose 4-epimerase	1.42	2.33	3.79	5.00	0.43	-1.23	0.01	0.03	down
PCI_1392	cell surface protein	9.22	24.07	337.24	444.27	0.04	-4.55	0.00	0.00	down
PCI_1393	FAD-linked oxidoreductase sorD	2.35	0.96	10.41	11.28	0.15	-2.71	0.00	0.00	down
PCI_1394	Protein of unknown function DUF395, YeeE/YedE	3.23	2.30	8.84	7.20	0.34	-1.54	0.00	0.00	down
PCI_1399	Hypothetical protein	6.79	7.38	73.94	72.22	0.10	-3.37	0.00	0.00	down
PCI_1402	galactinol--sucrose galactosyltransferase 6	18.04	15.56	39.36	48.32	0.38	-1.38	0.00	0.00	down
PCI_1406	Pescadillo homolog	71.12	87.91	24.31	25.55	3.19	1.67	0.00	0.00	up
PCI_1410	Transcription factor atf21	19.70	16.62	115.92	136.96	0.14	-2.80	0.00	0.00	down
PCI_1411	Mitogen-activated protein kinase HOG1	3.04	3.00	27.73	25.63	0.11	-3.14	0.00	0.00	down
PCI_1412	Hypothetical protein	4.91	18.07	3.41	3.59	3.28	1.71	0.00	0.01	up
PCI_1416	Notoamide biosynthesis cluster protein O'	253.54	171.24	22.52	28.78	8.28	3.05	0.00	0.00	up
PCI_1417	FAD dependent oxidoreductase	371.07	360.03	59.69	74.03	5.47	2.45	0.00	0.00	up
PCI_1418	Hypothetical protein	2.92	1.84	0.53	0.33	5.51	2.46	0.00	0.00	up
PCI_1429	Hypothetical protein	1.18	1.05	2.87	4.19	0.32	-1.66	0.00	0.00	down
PCI_1447	Histone deacetylase HOS3	8.18	6.54	30.79	28.72	0.25	-2.01	0.00	0.00	down
PCI_1453	phytanoyl-CoA dioxygenase	0.00	0.01	0.27	0.11	0.02	-5.61	0.02	0.03	down

PCI_1460	Protein of unknown function DUF1774, fungi	41.30	35.39	81.90	91.21	0.44	-1.17	0.00	0.00	down
PCI_1465	Tyrosine-protein phosphatase 1	19.07	22.98	44.85	40.74	0.49	-1.03	0.00	0.00	down
PCI_1466	Trans-enoyl reductase fsr4	43.86	33.71	11.55	11.94	3.30	1.72	0.00	0.00	up
PCI_1467	Cyclin-like F-box	4.96	4.44	1.90	2.28	2.24	1.17	0.00	0.00	up
PCI_1476	Hypothetical protein	5.25	3.85	51.99	42.95	0.10	-3.38	0.00	0.00	down
PCI_1481	Dibenzothiophene desulfurization enzyme C	45.39	50.27	18.37	18.27	2.61	1.38	0.00	0.00	up
PCI_1492	Hypothetical protein	45.04	30.13	103.93	101.15	0.37	-1.45	0.00	0.00	down
PCI_1499	phytanoyl-CoA dioxygenase	1.15	1.51	3.12	3.33	0.41	-1.28	0.00	0.00	down
PCI_1502	Hypothetical protein	7.91	55.82	2.04	2.22	14.99	3.91	0.00	0.00	up
PCI_1507	Hypothetical protein	2.37	2.07	4.60	5.17	0.45	-1.14	0.00	0.00	down
PCI_1511	Hypothetical protein	0.90	0.87	1.59	1.99	0.49	-1.02	0.00	0.01	down
PCI_1513	Hypothetical protein	6.52	6.54	13.33	14.55	0.47	-1.09	0.00	0.00	down
PCI_1520	Endoglucanase-4	29.52	42.42	0.06	0.04	749.81	9.55	0.00	0.00	up
PCI_1533	permease of the major facilitator superfamily	1.34	1.33	2.92	2.61	0.48	-1.05	0.00	0.00	down
PCI_1539	Esterase LipU	11.28	8.63	3.41	5.44	2.25	1.17	0.00	0.00	up
PCI_1548	Oxidoreductase BOA17	1.05	1.04	0.19	0.15	6.03	2.59	0.00	0.00	up
PCI_1557	Peroxisomal hydratase-dehydrogenase-epimerase	116.24	126.53	48.75	46.90	2.54	1.34	0.00	0.00	up
PCI_1560	Citrate exporter 1	0.65	0.52	4.27	3.71	0.15	-2.77	0.00	0.00	down
PCI_1561	Bifunctional L-3-cyanoalanine synthase/cysteine synthase, mitochondrial	1.17	0.59	5.81	4.21	0.18	-2.51	0.00	0.00	down
PCI_1562	Riboflavin synthase-like beta-barrel	10.32	4.89	46.05	39.67	0.18	-2.49	0.00	0.00	down
PCI_1566	Hypothetical protein	0.16	0.17	1.65	1.79	0.10	-3.37	0.00	0.00	down
PCI_1571	secreted lipase ARB_02369	1.39	0.90	0.05	0.22	8.48	3.08	0.00	0.00	up
PCI_1573	Protein of unknown function DUF2945	4.85	1.41	12.56	19.48	0.20	-2.36	0.00	0.00	down
PCI_1580	Hypothetical protein	18.47	12.28	42.97	37.83	0.38	-1.39	0.00	0.00	down
PCI_1586	Spermatogenesis-associated protein 20	13.70	14.14	38.85	36.44	0.37	-1.44	0.00	0.00	down

PCI_1595	Vitamin B6 transporter TPN1	12.90	5.88	45.28	40.61	0.22	-2.19	0.00	0.00	down
PCI_1601	Hypothetical protein	14.62	17.02	44.83	45.60	0.35	-1.51	0.00	0.00	down
PCI_1602	Ammonium transporter 1	472.38	258.28	136.88	140.90	2.63	1.40	0.00	0.00	up
PCI_1608	Ribosomal RNA processing protein 1 homolog B	68.83	73.05	34.55	29.07	2.23	1.16	0.00	0.00	up
PCI_1609	ABC multidrug transporter atrA	2.04	0.70	16.26	15.77	0.09	-3.55	0.00	0.00	down
PCI_1612	Cytochrome P450 monooxygenase ecdH	5.62	4.20	11.24	9.70	0.47	-1.09	0.00	0.00	down
PCI_1613	Fungal transcriptional regulatory protein, N-terminal	2.29	1.52	5.14	5.30	0.36	-1.46	0.00	0.00	down
PCI_1617	Berberine bridge enzyme-like 23	2.89	2.36	17.35	19.55	0.14	-2.81	0.00	0.00	down
PCI_1619	Hypothetical protein	24.47	60.14	3.21	2.43	14.98	3.90	0.00	0.00	up
PCI_1622	rRNA 2'-O-methyltransferase fibrillarin	281.36	341.48	146.10	123.29	2.31	1.21	0.00	0.00	up
PCI_1623	Protein of unknown function DUF3455	130.24	82.91	219.98	279.63	0.43	-1.23	0.00	0.00	down
PCI_1628	Hydroxyquinol 1,2-dioxygenase	40.50	43.09	18.76	21.20	2.09	1.06	0.00	0.00	up
PCI_1641	Chitin-binding, domain 3	921.11	806.91	104.81	123.81	7.56	2.92	0.00	0.00	up
PCI_1642	Metal tolerance protein 3	56.69	68.63	25.96	25.91	2.42	1.27	0.00	0.00	up
PCI_1643	Monoxygenase CPUR_05431	4.90	3.93	0.98	0.41	6.34	2.67	0.00	0.00	up
PCI_1647	Ankyrin-3	6.55	6.84	2.41	3.16	2.40	1.26	0.00	0.00	up
PCI_1648	Protein RTM1	7.36	10.84	0.44	0.54	18.53	4.21	0.00	0.00	up
PCI_1650	sodium/calcium transporter	4.38	3.37	7.81	7.95	0.49	-1.02	0.00	0.00	down
PCI_1652	Lon protease	10.64	11.71	4.12	4.51	2.59	1.37	0.00	0.00	up
PCI_1653	21.9 kDa heat shock protein	7.00	4.01	31.99	35.50	0.16	-2.62	0.00	0.00	down
PCI_1659	Superoxide dismutase	8.78	18.75	337.55	361.66	0.04	-4.67	0.00	0.00	down
PCI_1661	Glycoside hydrolase, family 24	1.67	0.89	0.41	0.32	3.55	1.83	0.01	0.03	up
PCI_1663	Nonribosomal peptide synthase atnA	3.01	1.99	21.15	20.38	0.12	-3.05	0.00	0.00	down

PCI_1664	aminotransferase class-III	7.63	5.23	24.41	24.36	0.26	-1.92	0.00	0.00	down
PCI_1667	Hypothetical protein	30.26	30.08	11.74	14.84	2.27	1.18	0.00	0.00	up
PCI_1675	Tol-Pal system protein TolB	2.09	1.23	0.50	0.59	3.03	1.60	0.00	0.00	up
PCI_1676	LysM domain protein	8.72	4.15	2.73	2.81	2.32	1.21	0.00	0.01	up
PCI_1692	Sugar transporter STL1	28.49	20.08	212.19	198.42	0.12	-3.08	0.00	0.00	down
PCI_1693	MFS siderochrome iron transporter 1	3.10	1.63	0.74	0.76	3.16	1.66	0.00	0.00	up
PCI_1695	Vitamin H transporter 1	45.13	35.31	16.13	18.41	2.33	1.22	0.00	0.00	up
PCI_1696	Glutamine synthetase	1608.32	1455.51	550.99	606.82	2.65	1.40	0.00	0.00	up
PCI_1706	Developmental regulatory protein wetA	34.37	18.13	184.59	175.10	0.15	-2.78	0.00	0.00	down
PCI_1716	ATP-dependent RNA helicase has1	63.02	72.08	23.19	25.53	2.77	1.47	0.00	0.00	up
PCI_1717	Flavin carrier protein 2	83.08	66.50	172.66	162.18	0.45	-1.16	0.00	0.00	down
PCI_1725	rRNA methyltransferase 1, mitochondrial	16.32	17.54	6.47	8.00	2.34	1.23	0.00	0.00	up
PCI_1728	Low affinity ammonium transporter	1.38	1.25	3.37	3.68	0.37	-1.42	0.00	0.00	down
PCI_1735	Benomyl/methotrexate resistance protein	1.58	0.43	5.26	6.17	0.18	-2.51	0.00	0.00	down
PCI_1741	Oxalate decarboxylase OxdD	2.66	2.00	48.21	45.37	0.05	-4.33	0.00	0.00	down
PCI_1742	Transcription factor, fungi	0.51	0.30	1.78	1.60	0.24	-2.07	0.00	0.00	down
PCI_1746	Hypothetical protein	120.73	130.19	54.63	64.43	2.11	1.08	0.00	0.00	up
PCI_1747	Hypothetical protein	12.51	13.72	28.20	29.77	0.45	-1.14	0.00	0.00	down
PCI_1748	Hypothetical protein	2.45	2.51	10.13	20.98	0.16	-2.65	0.00	0.00	down
PCI_1749	Nicotinate catabolism cluster-specific transcription factor	17.69	23.43	8.37	9.34	2.32	1.22	0.00	0.00	up
PCI_1758	succinyl-CoA:3-ketoacid coenzyme A transferase, mitochondrial	16.01	11.70	72.98	70.45	0.19	-2.37	0.00	0.00	down
PCI_1762	Phosphatidylinositol 4,5-bisphosphate-binding protein SLM1	34.21	35.80	82.05	71.74	0.46	-1.14	0.00	0.00	down
PCI_1771	Cell surface mannoprotein MP65	78.69	52.42	370.51	340.79	0.18	-2.44	0.00	0.00	down

PCI_1778	Hypothetical protein	27.24	9.49	36.60	53.15	0.41	-1.29	0.02	0.03	down
PCI_1781	Heat shock protein hsp9	21.17	99.51	393.59	451.87	0.14	-2.81	0.01	0.01	down
PCI_1791	Protein-ADP-ribose hydrolase	2.14	1.33	0.58	0.76	2.59	1.37	0.00	0.00	up
PCI_1799	Short chain dehydrogenase gsfE	6.44	5.31	18.21	22.98	0.29	-1.81	0.00	0.00	down
PCI_1807	Hypothetical protein	14.35	20.99	83.16	109.85	0.18	-2.45	0.00	0.00	down
PCI_1812	Hypothetical protein	34.37	46.32	9.62	10.89	3.93	1.98	0.00	0.00	up
PCI_1813	methyltransferase C1347.09	11.18	11.92	22.23	25.74	0.48	-1.05	0.00	0.00	down
PCI_1828	Kinesin-like protein KIF22	33.56	26.11	65.00	61.21	0.47	-1.08	0.00	0.00	down
PCI_1829	MFS transporter asaE	23.16	15.19	4.95	6.31	3.41	1.77	0.00	0.00	up
PCI_1845	BTB/POZ-like	8.90	8.29	5.22	3.36	2.00	1.00	0.01	0.01	up
PCI_1851	ATP-binding cassette sub- family D member 2	12.47	11.70	29.57	28.90	0.41	-1.27	0.00	0.00	down
PCI_1856	Conidiophore development regulator abaA	22.20	10.68	88.11	76.04	0.20	-2.32	0.00	0.00	down
PCI_1860	urea active transporter 1	132.93	67.54	34.34	45.85	2.50	1.32	0.00	0.00	up
PCI_1863	Lovastatin esterase	8.64	11.03	42.10	48.39	0.22	-2.20	0.00	0.00	down
PCI_1864	Chitin synthase C	0.03	0.04	0.13	0.24	0.17	-2.54	0.01	0.03	down
PCI_1870	Beta-lactamase hydrolase- like protein	8.83	8.01	31.33	33.92	0.26	-1.95	0.00	0.00	down
PCI_1876	Eburicol 14-alpha- demethylase	229.75	198.75	2.11	2.35	96.15	6.59	0	0	up
PCI_1881	Ribosome biogenesis protein ENP2	30.18	31.21	9.06	10.05	3.21	1.68	0.00	0.00	up
PCI_1883	Hypothetical protein	4.69	3.41	0.62	0.90	5.33	2.41	0.00	0.00	up
PCI_1891	2-oxoisovalerate dehydrogenase subunit beta, mitochondrial	20.28	14.51	98.69	104.55	0.17	-2.55	0.00	0.00	down
PCI_1893	FAD-dependent monooxygenase OpS4	83.41	80.97	29.65	36.00	2.50	1.32	0.00	0.00	up
PCI_1895	Hypothetical protein	90.75	191.44	57.62	59.78	2.40	1.27	0.00	0.00	up
PCI_1902	Hypothetical protein	93.85	66.79	178.29	183.77	0.44	-1.17	0.00	0.00	down
PCI_1904	Vegetative incompatibility protein HET-E-1	0.47	0.37	0.00	0.03	25.36	4.66	0.00	0.00	up
PCI_1906	30 kDa heat shock protein	18.70	9.21	46.91	32.39	0.35	-1.51	0.00	0.00	down

PCI_1907	Protein FMP42	4.75	4.20	25.56	20.65	0.19	-2.37	0.00	0.00	down
PCI_1909	Hypothetical protein	0.21	0.21	3.39	3.25	0.06	-3.98	0.00	0.00	down
PCI_1915	FAD-dependent monooxygenase apdD	5.49	2.41	0.24	0.46	11.36	3.51	0.00	0.00	up
PCI_1923	Nuc-1 negative regulatory protein preg	22.76	28.64	55.23	55.93	0.46	-1.11	0.00	0.00	down
PCI_1925	armadillo repeat protein	21.38	17.66	41.56	40.80	0.47	-1.08	0.00	0.00	down
PCI_1928	Hypothetical protein	5.63	9.07	1.10	0.65	8.38	3.07	0.00	0.00	up
PCI_1930	Synaptic vesicle membrane protein VAT-1 homolog-like	7.79	8.05	3.14	3.18	2.51	1.33	0.00	0.00	up
PCI_1933	protein FFUJ_12736	13.72	10.96	31.45	42.71	0.33	-1.59	0.00	0.00	down
PCI_1942	Kynureninase 2	102.61	98.00	51.10	37.15	2.27	1.18	0.00	0.00	up
PCI_1943	Indoleamine 2,3-dioxygenase	48.98	44.99	11.93	8.92	4.51	2.17	0.00	0.00	up
PCI_1944	Sexual development regulator velC	83.25	88.92	25.41	24.31	3.46	1.79	0.00	0.00	up
PCI_1959	Hypothetical protein	26.14	26.94	10.57	8.71	2.75	1.46	0.00	0.00	up
PCI_1969	Prenyltransferase phqI	5.92	2.13	9.91	10.18	0.40	-1.32	0.02	0.05	down
PCI_1970	Short-chain dehydrogenase/reductase phqE	2.97	1.92	10.64	12.47	0.21	-2.24	0.00	0.00	down
PCI_1975	Biogenesis of lysosome-related organelles complex 1 subunit 1	36.80	27.98	10.82	20.61	2.06	1.04	0.00	0.00	up
PCI_1992	Ribosome biogenesis protein tsr1	51.35	55.58	22.36	21.93	2.41	1.27	0.00	0.00	up
PCI_1993	U3 small nucleolar RNA-associated protein 7	32.41	37.38	11.89	12.35	2.88	1.53	0.00	0.00	up
PCI_2005	Mitochondrial dicarboxylate transporter	36.46	52.46	19.90	17.24	2.39	1.26	0.00	0.00	up
PCI_2007	GrpE protein homolog, mitochondrial	106.39	122.36	60.76	51.09	2.05	1.03	0.00	0.00	up
PCI_2008	Hypothetical protein	55.52	27.67	3.29	2.12	15.38	3.94	0.00	0.00	up
PCI_2009	sterigmatocystin biosynthesis peroxidase stcC	228.29	196.02	8.45	8.94	24.40	4.61	0.00	0.00	up
PCI_2010	Arrestin (or S-antigen) N-terminal domain family	3.67	5.57	1.90	2.04	2.35	1.23	0.00	0.00	up

	protein									
PCI_2018	FAD-linked oxidoreductase apf9	0.07	0.04	0.42	0.70	0.09	-3.46	0.00	0.00	down
PCI_2020	C6 finger domain transcription factor iacK	2.85	2.52	5.50	7.23	0.42	-1.25	0.00	0.00	down
PCI_2021	Reticulon-4-interacting protein 1 homolog, mitochondrial	0.49	0.21	1.17	1.06	0.32	-1.66	0.03	0.05	down
PCI_2023	Cytochrome c	1076.26	1192.90	473.12	479.95	2.38	1.25	0.00	0.00	up
PCI_2031	Universal stress protein A	14.10	12.99	27.34	29.90	0.47	-1.08	0.00	0.00	down
PCI_2040	Hypothetical protein	12.07	92.40	3.15	5.41	12.21	3.61	0.00	0.01	up
PCI_2044	FK506-binding protein 4	211.14	255.01	108.72	107.93	2.15	1.11	0.00	0.00	up
PCI_2055	Short-chain dehydrogenase/reductase malC	72.61	40.01	15.45	21.29	3.06	1.62	0.00	0.00	up
PCI_2056	Phototropin	0.98	1.51	7.15	5.19	0.20	-2.31	0.00	0.00	down
PCI_2062	Aspergillopepsin-2	0.00	0.00	0.31	0.43	0.00	-11.87	0.00	0.00	down
PCI_2064	beta-glucosidase F	2.87	3.00	1.52	1.34	2.05	1.03	0.00	0.00	up
PCI_2069	Mitochondrial escape protein 2	17.74	18.35	35.48	37.14	0.50	-1.01	0.00	0.00	down
PCI_2083	Proteinase inhibitor, propeptide	39.95	31.32	68.66	94.98	0.44	-1.20	0.00	0.00	down
PCI_2088	ubiquitin carboxyl-terminal hydrolase DUB-1	1.19	0.96	0.11	0.12	9.38	3.23	0.00	0.00	up
PCI_2089	Homeodomain-like	46.17	40.44	17.53	18.13	2.43	1.28	0.00	0.00	up
PCI_2115	Hydrophobin	1701.95	2136.65	403.98	314.25	5.34	2.42	0.00	0.00	up
PCI_2116	Acyl-CoA ligase sidI	10.46	8.95	3.11	3.03	3.16	1.66	0.00	0.00	up
PCI_2118	Glutathione S-transferase- like protein FUS3	405.00	328.34	1481.50	1375.71	0.26	-1.96	0.00	0.00	down
PCI_2124	dehydrogenase TR07	28.97	25.31	69.96	66.04	0.40	-1.33	0.00	0.00	down
PCI_2127	cutinase 2	24.77	15.58	0.64	0.71	30.02	4.91	0.00	0.00	up
PCI_2138	exo-1,4-beta-xylosidase xlnD	4.10	3.15	9.68	9.33	0.38	-1.39	0.00	0.00	down
PCI_2139	Mannan endo-1,6-alpha- mannosidase DCW1	0.35	0.25	2.29	2.15	0.14	-2.89	0.00	0.00	down
PCI_2147	Aminotransferase FGSG_17085	104.44	95.72	27.08	33.80	3.29	1.72	0.00	0.00	up

PCI_2151	Hypothetical protein	2.73	2.70	1.18	1.47	2.05	1.03	0.01	0.01	up
PCI_2153	Delta(7)-sterol 5(6)-desaturase	132.46	82.92	19.93	28.22	4.47	2.16	0.00	0.00	up
PCI_2163	Hypothetical protein	9.57	11.07	3.97	5.26	2.24	1.16	0.00	0.00	up
PCI_2164	Dehydrogenase str4	15.28	15.89	31.22	43.38	0.42	-1.26	0.00	0.00	down
PCI_2168	fungal transcription factor regulatory middle homology region	0.86	1.96	0.07	0.33	7.06	2.82	0.00	0.00	up
PCI_2171	beta-galactosidase B	1.77	1.72	3.78	4.03	0.45	-1.16	0.00	0.00	down
PCI_2176	SAGA complex subunit spt20	9.71	8.27	20.26	20.02	0.45	-1.16	0.00	0.00	down
PCI_2178	C2H2 type master regulator of conidiophore development brlA	212.32	139.22	489.89	412.36	0.39	-1.36	0.00	0.00	down
PCI_2193	Alcohol dehydrogenase	1.63	1.78	9.38	13.22	0.15	-2.73	0.00	0.00	down
PCI_2195	Very-long-chain 3-oxoacyl-CoA reductase	10.65	8.11	45.06	57.71	0.18	-2.45	0.00	0.00	down
PCI_2196	COBW domain-containing protein DDB_G0274527	2.82	2.54	149.21	223.77	0.01	-6.12	0.00	0.00	down
PCI_2208	ABC transporter F family member 4	3.79	6.64	2.24	2.70	2.11	1.08	0.00	0.00	up
PCI_2211	NOC2 family protein C1142.04	52.72	60.73	21.24	22.51	2.59	1.37	0.00	0.00	up
PCI_2213	Phospholipase D/Transphosphatidylase	0.37	0.61	13.71	12.29	0.04	-4.74	0.00	0.00	down
PCI_2214	Severin	56.37	72.36	30.68	33.22	2.01	1.01	0.00	0.00	up
PCI_2217	ATP-dependent RNA helicase rok1	21.61	22.80	9.12	8.68	2.50	1.32	0.00	0.00	up
PCI_2220	alpha/beta-glucosidase agdC	1.12	0.82	2.12	2.76	0.40	-1.34	0.00	0.00	down
PCI_2225	Porphobilinogen deaminase	22.86	22.68	8.72	9.11	2.55	1.35	0.00	0.00	up
PCI_2230	Protein SDA1	26.51	27.93	10.61	10.56	2.57	1.36	0.00	0.00	up
PCI_2231	Major facilitator superfamily transporter	101.75	34.60	25.67	28.61	2.51	1.33	0.00	0.00	up
PCI_2232	L-aspartate/glutamate-specific racemase	20.98	24.69	10.56	9.93	2.23	1.16	0.00	0.00	up
PCI_2235	Hypothetical protein	20.11	16.85	166.95	194.05	0.10	-3.29	0.00	0.00	down

PCI_2242	Cytochrome P450 monooxygenase TRI4	4.04	3.22	37.30	47.64	0.09	-3.55	0.00	0.00	down
PCI_2247	RelA/SpoT	3.71	2.05	0.99	1.74	2.11	1.08	0.01	0.03	up
PCI_2256	hydrolase YcaC	0.55	1.06	2.55	23.92	0.06	-4.04	0.00	0.01	down
PCI_2260	Protein of unknown function DUF3445	46.65	81.06	5.23	4.31	13.40	3.74	0.00	0.00	up
PCI_2262	Efflux pump FUBT	8.13	5.15	28.15	22.95	0.26	-1.94	0.00	0.00	down
PCI_2266	Major facilitator superfamily transporter	14.36	5.58	2.84	3.87	2.97	1.57	0.00	0.00	up
PCI_2268	quinate permease	3.74	1.32	4.96	5.85	0.47	-1.09	0.03	0.05	down
PCI_2280	Sterol 3-beta-glucosyltransferase UGT80B1	0.52	0.43	1.16	1.07	0.42	-1.24	0.00	0.00	down
PCI_2283	Major facilitator superfamily multidrug transporter NAG4	3.33	3.29	0.21	0.49	9.40	3.23	0.00	0.00	up
PCI_2284	Hypothetical protein	7.91	4.03	2.84	2.97	2.06	1.04	0.00	0.00	up
PCI_2287	Methyltransferase pytC	0.98	0.68	1.87	2.32	0.40	-1.34	0.00	0.00	down
PCI_2293	oxidoreductase C115.03	1318.50	1306.29	371.32	377.58	3.50	1.81	0.00	0.00	up
PCI_2294	O-methyltransferase, family 3	2.51	4.03	6.38	7.25	0.48	-1.06	0.01	0.03	down
PCI_2295	ABC transporter ATP-binding protein ARB1	198.90	214.94	83.88	94.21	2.32	1.22	0.00	0.00	up
PCI_2298	Hypothetical protein	9.78	11.27	27.65	26.19	0.39	-1.36	0.00	0.00	down
PCI_2302	Periplasmic beta-glucosidase	1.00	1.20	0.44	0.43	2.56	1.35	0.00	0.00	up
PCI_2303	Hypothetical protein	3.24	6.28	0.02	0.02	240.15	7.91	0.00	0.00	up
PCI_2304	Hypothetical protein	7.78	5.15	16.94	16.75	0.38	-1.38	0.00	0.00	down
PCI_2306	High-affinity glucose transporter HXT2	4.50	4.45	11.16	8.36	0.46	-1.13	0.00	0.00	down
PCI_2307	Domain of unknown function DUF2235	0.16	0.11	0.82	1.01	0.14	-2.81	0.00	0.00	down
PCI_2308	Ankyrin-2	0.49	0.62	1.55	1.28	0.39	-1.36	0.02	0.03	down
PCI_2312	Hypothetical protein	4.24	2.12	11.54	10.49	0.29	-1.79	0.00	0.00	down
PCI_2336	Nucleolar protein 13	46.88	50.95	18.72	19.14	2.58	1.37	0.00	0.00	up
PCI_2349	endo-alpha-1,4-polygalactosaminidase	118.52	102.58	278.36	306.94	0.38	-1.40	0.00	0.00	down
PCI_2351	UDP-glucose 4-epimerase 5	11.12	18.58	29.07	35.78	0.46	-1.13	0.00	0.01	down

PCI_2360	Mannan endo-1,6-alpha-mannosidase DCW1	17.53	16.82	3.33	4.13	4.61	2.20	0.00	0.00	up
PCI_2378	Polygalacturonase	600.77	553.38	4.44	5.73	113.45	6.83	0	0	up
PCI_2386	RNA binding protein	63.77	79.76	22.07	19.22	3.48	1.80	0.00	0.00	up
PCI_2387	Protein CMS1	34.68	36.82	11.73	12.04	3.01	1.59	0.00	0.00	up
PCI_2392	Exosome complex protein C1739.07	40.19	43.45	13.29	13.89	3.08	1.62	0.00	0.00	up
PCI_2407	Hypothetical protein	49.90	50.77	15.38	16.15	3.19	1.67	0.00	0.00	up
PCI_2412	glyoxalase family protein	137.80	107.97	50.62	58.29	2.26	1.17	0.00	0.00	up
PCI_2415	Hypothetical protein	16.95	15.14	34.77	33.41	0.47	-1.09	0.00	0.00	down
PCI_2438	Thiol-specific monooxygenase	4.80	5.30	1.37	1.24	3.87	1.95	0.00	0.00	up
PCI_2441	arabinan endo-1,5-alpha-L-arabinosidase D	22.38	25.73	5.93	6.96	3.73	1.90	0.00	0.00	up
PCI_2443	SH3 domain-containing protein PJ696.02	4.48	2.85	0.70	0.62	5.52	2.47	0.00	0.00	up
PCI_2444	Actin patches distal protein 1	69.21	59.27	4.07	3.16	17.77	4.15	0.00	0.00	up
PCI_2445	Peptidase S12, Pab87-related, C-terminal	4.96	4.22	1.84	2.29	2.22	1.15	0.00	0.00	up
PCI_2448	Thioredoxin reductase gliT	1.67	2.09	3.52	5.22	0.43	-1.22	0.00	0.01	down
PCI_2449	Grainyhead-like protein 1 homolog	5.28	2.92	12.49	14.04	0.31	-1.69	0.00	0.00	down
PCI_2452	Hypothetical protein	49.56	56.92	18.89	19.12	2.80	1.49	0.00	0.00	up
PCI_2454	Hypothetical protein	2.91	1.79	10.53	9.53	0.23	-2.09	0.00	0.00	down
PCI_2455	NmrA-like family domain-containing protein DDB_G0286605	6.23	2.49	22.28	21.93	0.20	-2.34	0.00	0.00	down
PCI_2457	Hypothetical protein	367.48	174.27	4248.77	3754.09	0.07	-3.88	0.00	0.00	down
PCI_2459	NADP-dependent alcohol dehydrogenase 7	74.07	65.54	34.35	31.09	2.13	1.09	0.00	0.00	up
PCI_2464	BTB domain transcription factor	3.10	1.52	8.35	8.11	0.28	-1.83	0.00	0.00	down
PCI_2465	secreted protein ARB_04696	1.94	1.06	0.41	0.24	4.62	2.21	0.00	0.00	up
PCI_2466	Tubulin binding cofactor C	23.09	21.69	53.66	57.34	0.40	-1.31	0.00	0.00	down
PCI_2476	Methyltransferase domain protein	0.25	0.18	1.56	1.00	0.16	-2.60	0.00	0.00	down

PCI_2477	Trichosetin biosynthesis cluster transcription factor TF23	2.01	1.61	4.88	4.96	0.37	-1.44	0.00	0.00	down
PCI_2478	Hypothetical protein	0.64	0.40	1.92	2.14	0.26	-1.96	0.00	0.00	down
PCI_2483	Aldo-keto reductase MYCFIDRAFT_156381	11.07	18.15	1.74	2.51	6.87	2.78	0.00	0.00	up
PCI_2489	Serine/threonine-protein kinase PknK	26.61	14.19	78.04	76.13	0.26	-1.92	0.00	0.00	down
PCI_2491	exopolygalacturonase C	1.07	0.94	4.54	3.93	0.24	-2.07	0.00	0.00	down
PCI_2493	Acetamidase	66.17	43.86	15.39	22.79	2.88	1.53	0.00	0.00	up
PCI_2494	Hypothetical protein	10.89	2.39	71.82	70.88	0.09	-3.43	0.00	0.00	down
PCI_2495	Isocitrate dehydrogenase	194.45	206.66	88.92	83.23	2.33	1.22	0.00	0.00	up
PCI_2499	catechol O-methyltransferase 1	69.31	41.14	0.33	0.21	203.23	7.67	0.00	0.00	up
PCI_2506	Glycine-rich RNA-binding protein 2, mitochondrial	125.95	127.51	261.55	292.87	0.46	-1.13	0.00	0.00	down
PCI_2511	efflux pump kojT	222.68	124.01	7.89	8.65	20.96	4.39	0.00	0.00	up
PCI_2513	inactive 1-aminocyclopropane-1-carboxylate synthase-like protein 2	15.79	18.99	6.97	8.44	2.26	1.17	0.00	0.00	up
PCI_2518	Organic solute transporter Ostalpha	6.38	4.32	2.65	2.49	2.08	1.06	0.00	0.00	up
PCI_2521	Alpha-glucosidase	4.57	2.86	0.59	0.70	5.76	2.53	0.00	0.00	up
PCI_2525	High-affinity potassium transport protein	11.49	5.50	54.29	52.15	0.16	-2.65	0.00	0.00	down
PCI_2526	Hypothetical protein	143.06	114.77	51.94	60.16	2.30	1.20	0.00	0.00	up
PCI_2532	Inorganic pyrophosphatase	456.60	548.57	252.04	246.88	2.01	1.01	0.00	0.00	up
PCI_2536	Transcription factor, fungi	1.72	1.79	11.69	12.93	0.14	-2.81	0.00	0.00	down
PCI_2569	C6 finger domain protein	1.30	0.92	2.72	3.63	0.35	-1.52	0.00	0.00	down
PCI_2576	Yeast cell wall synthesis KRE9/KNH1	89.43	58.17	227.10	197.54	0.35	-1.52	0.00	0.00	down
PCI_2582	L-ornithine N(5)-monooxygenase	54.08	67.92	8.39	8.98	7.03	2.81	0.00	0.00	up
PCI_2589	Glutathione S-transferase omega-like 2	9.00	4.49	16.39	24.18	0.33	-1.59	0.00	0.00	down

PCI_2591	Mevalonyl-coenzyme A hydratase sidH	8.17	10.49	3.58	2.86	2.89	1.53	0.00	0.00	up
PCI_2594	Nonribosomal peptide synthetase 6	1.83	2.63	0.71	0.85	2.86	1.52	0.00	0.00	up
PCI_2595	LysM domain protein,	3.63	3.20	0.08	0.20	24.74	4.63	0.00	0.00	up
PCI_2596	Hypothetical protein	1.53	1.61	0.47	0.25	4.31	2.11	0.00	0.00	up
PCI_2597	protein FPRO_07323	11.95	7.16	4.02	5.32	2.05	1.03	0.00	0.00	up
PCI_2600	Acyl-CoA synthetase short-chain family member 3, mitochondrial	4.25	3.08	14.36	14.89	0.25	-2.00	0.00	0.00	down
PCI_2607	MFS-type transporter C1683.03c	2.00	1.23	0.42	0.77	2.72	1.44	0.00	0.01	up
PCI_2612	FAD-dependent monooxygenase asL4	0.11	0.07	2.48	3.73	0.03	-5.07	0.00	0.00	down
PCI_2616	Phospholipase A I	2.62	7.57	1.91	2.23	2.46	1.30	0.01	0.02	up
PCI_2627	Siderochrome iron transporter 2	0.19	0.36	0.02	0.02	14.24	3.83	0.00	0.00	up
PCI_2630	GMC oxidoreductase family protein Mala s 12	25.36	20.41	5.90	6.15	3.80	1.93	0.00	0.00	up
PCI_2638	Amino acid transporter, transmembrane	5.92	4.64	0.21	0.27	22.13	4.47	0.00	0.00	up
PCI_2642	Non-specific phospholipase C2	3.33	2.52	0.64	1.33	2.97	1.57	0.00	0.00	up
PCI_2643	Fungal transcriptional regulatory protein, N-terminal	3.84	7.86	1.94	0.72	4.40	2.14	0.00	0.00	up
PCI_2644	glucose transporter HXT5	1.10	1.19	4.51	3.95	0.27	-1.89	0.00	0.00	down
PCI_2650	Transposase, MuDR, plant	9.24	6.53	14.72	16.85	0.50	-1.00	0.00	0.00	down
PCI_2652	Hypothetical protein	0.89	0.56	4.83	4.84	0.15	-2.73	0.00	0.00	down
PCI_2657	Citrate exporter 1	32.37	19.50	8.21	9.42	2.94	1.56	0.00	0.00	up
PCI_2661	NADH-dependent flavin oxidoreductase iccG	5.96	3.89	17.18	20.12	0.26	-1.92	0.00	0.00	down
PCI_2662	NADP-dependent malic enzyme	159.85	142.77	57.76	59.18	2.59	1.37	0.00	0.00	up
PCI_2663	Bactericidal permeability-increasing protein, alpha/beta	6.94	8.24	42.26	46.86	0.17	-2.55	0.00	0.00	down

	domain									
PCI_2666	Oxygen-dependent choline dehydrogenase	1.56	1.58	0.26	0.34	5.25	2.39	0.00	0.00	up
PCI_2668	Hypothetical protein	0.09	0.05	72.35	83.40	0.00	-10.13	0.00	0.00	down
PCI_2669	U3 small nucleolar ribonucleoprotein protein IMP3	55.90	66.16	21.68	24.04	2.67	1.42	0.00	0.00	up
PCI_2674	Sterol O-acyltransferase, ACAT/DAG/ARE types	198.10	205.13	506.54	564.20	0.38	-1.41	0.00	0.00	down
PCI_2681	2-hydroxyacid dehydrogenase UNK4.10	1.36	0.86	0.25	0.49	3.02	1.59	0.01	0.02	up
PCI_2684	Hydroxylase/desaturase CTB9	3.41	1.49	11.96	15.85	0.18	-2.50	0.00	0.00	down
PCI_2685	Transketolase	97.44	111.67	259.82	257.22	0.40	-1.31	0.00	0.00	down
PCI_2686	N amino acid transport system protein	11.38	11.48	1.42	1.52	7.78	2.96	0.00	0.00	up
PCI_2687	CDP-alcohol phosphatidyltransferase class-I family protein C22A12.08c	517.58	647.00	237.72	232.36	2.48	1.31	0.00	0.00	up
PCI_2690	ankyrin repeat protein	2.51	2.30	0.98	1.19	2.21	1.14	0.00	0.00	up
PCI_2693	Siderophore iron transporter 1	4.77	3.04	0.18	0.33	15.13	3.92	0.00	0.00	up
PCI_2695	Siderochrome iron transporter 2	15.72	19.29	0.88	1.10	17.66	4.14	0.00	0.00	up
PCI_2697	Nuclease P1	149.32	74.89	37.11	51.72	2.52	1.34	0.00	0.00	up
PCI_2699	Histone-lysine N-methyltransferase set9	12.02	10.16	22.18	22.43	0.50	-1.01	0.00	0.00	down
PCI_2717	Hypothetical protein	1.49	2.02	7.32	7.04	0.24	-2.03	0.00	0.00	down
PCI_2721	Siderophore triacetylfulsarine C esterase	4.09	4.24	1.45	0.93	3.49	1.80	0.00	0.00	up
PCI_2724	Acetyl-CoA carboxylase	74.56	87.33	220.78	255.31	0.34	-1.56	0.00	0.00	down
PCI_2726	Guanine nucleotide-binding protein alpha-2 subunit	3.20	0.26	21.65	20.38	0.08	-3.60	0.01	0.02	down
PCI_2753	Superoxide dismutase	18.28	15.23	2.15	2.17	7.77	2.96	0.00	0.00	up
PCI_2754	Oxygen-dependent choline	28.77	23.48	1.12	0.73	28.14	4.81	0.00	0.00	up

	dehydrogenase									
PCI_2755	Catalase	102.81	84.76	5.14	4.73	19.00	4.25	0.00	0.00	up
PCI_2758	6-methylsalicylic acid decarboxylase atA	42.61	49.87	11.09	7.49	4.98	2.32	0.00	0.00	up
PCI_2760	DUF1446 domain protein	0.88	0.93	2.27	1.69	0.46	-1.12	0.00	0.01	down
PCI_2763	1,3-beta- glucanosyltransferase gel2	191.00	196.45	82.93	85.15	2.31	1.20	0.00	0.00	up
PCI_2770	membrane protein C3B8.06	0.08	0.11	1.20	1.02	0.08	-3.59	0.00	0.00	down
PCI_2778	Ascochitine biosynthesis cluster MFS transporter	2.65	1.43	0.19	0.15	11.91	3.57	0.00	0.00	up
PCI_2786	alpha-ketoglutarate- dependent sulfonate dioxygenase	0.60	0.48	1.17	1.23	0.45	-1.14	0.02	0.04	down
PCI_2790	ATP-dependent RNA helicase dbp10	38.23	43.69	11.65	12.18	3.44	1.78	0.00	0.00	up
PCI_2791	Hypothetical protein	9.27	6.87	25.91	23.18	0.33	-1.60	0.00	0.00	down
PCI_2792	Zn(2)-C6 fungal-type DNA- binding domain	21.97	17.90	45.72	41.99	0.45	-1.14	0.00	0.00	down
PCI_2794	ATP-dependent RNA helicase dbp4	29.75	32.80	10.36	11.25	2.89	1.53	0.00	0.00	up
PCI_2797	Sporulation-specific protein 5	0.43	0.14	1.86	1.97	0.15	-2.75	0.00	0.00	down
PCI_2798	3-hydroxyisobutyrate dehydrogenase, mitochondrial	14.58	12.50	44.33	43.50	0.31	-1.70	0.00	0.00	down
PCI_2806	Hypothetical protein	200.74	117.31	739.50	650.68	0.23	-2.13	0.00	0.00	down
PCI_2813	Protein of unknown function DUF3112	0.39	0.83	1.80	2.14	0.31	-1.68	0.01	0.02	down
PCI_2816	Homogentisate 1,2- dioxygenase	0.91	0.85	0.46	0.30	2.31	1.21	0.01	0.03	up
PCI_2819	4-coumarate--CoA ligase 2	1.21	0.94	2.32	2.54	0.44	-1.17	0.00	0.00	down
PCI_2821	Para-nitrobenzyl esterase	0.94	0.91	2.03	1.89	0.47	-1.09	0.00	0.01	down
PCI_2822	Choline transport protein	5.71	6.23	2.05	1.95	2.99	1.58	0.00	0.00	up
PCI_2824	Dimethylsulfoniopropionate lyase DddP	1.93	1.52	11.30	13.05	0.14	-2.82	0.00	0.00	down
PCI_2830	alpha-ketoglutarate-	5.96	2.50	24.41	27.34	0.16	-2.61	0.00	0.00	down

	dependent sulfonate dioxygenase									
PCI_2843	GPI-anchored hemophore cfmB	5.40	5.51	249.08	349.54	0.02	-5.78	0.00	0.00	down
PCI_2844	DNA polymerase delta subunit 4	21.37	20.66	45.26	44.98	0.47	-1.10	0.00	0.00	down
PCI_2845	Arrestin-like, C-terminal	12.39	11.77	26.12	25.65	0.47	-1.10	0.00	0.00	down
PCI_2848	NAD-dependent malic enzyme, mitochondrial	1.51	1.66	3.92	5.19	0.35	-1.52	0.00	0.00	down
PCI_2853	ABC multidrug transporter C	72.00	114.02	0.23	0.33	328.95	8.36	0.00	0.00	up
PCI_2854	ABC-transporter-regulating transcription factor	31.75	35.49	4.46	6.93	5.91	2.56	0.00	0.00	up
PCI_2855	Sugar transporter STL1	1.25	0.91	0.41	0.42	2.61	1.38	0.00	0.00	up
PCI_2856	Queuosine salvage protein	10.63	9.92	4.33	5.70	2.05	1.04	0.00	0.00	up
PCI_2864	methyltransferase C1B3.06c	8.60	17.14	1.11	1.19	11.15	3.48	0.00	0.00	up
PCI_2873	FAD-binding monooxygenase acrE	9.79	5.47	23.78	43.26	0.23	-2.14	0.00	0.00	down
PCI_2880	Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial	0.92	1.74	0.15	0.50	4.10	2.04	0.00	0.01	up
PCI_2882	Hypothetical protein	1.05	0.90	6.37	6.03	0.16	-2.67	0.00	0.00	down
PCI_2887	High-affinity glucose transporter	18.49	24.55	229.94	210.11	0.10	-3.35	0.00	0.00	down
PCI_2888	alpha-1,3-mannosyltransferase MNN14	5.78	5.26	53.67	49.00	0.11	-3.22	0.00	0.00	down
PCI_2891	Ribosome assembly protein RRB1	66.23	69.28	27.85	30.61	2.32	1.21	0.00	0.00	up
PCI_2896	Chitin deacetylase	0.67	0.29	1.17	1.95	0.31	-1.70	0.01	0.02	down
PCI_2897	3-oxoacyl-[acyl-carrier-protein] reductase FabG	3.57	3.63	7.33	8.55	0.45	-1.14	0.00	0.00	down
PCI_2904	Fungal transcriptional regulatory protein, N-terminal	0.15	0.04	0.88	0.89	0.10	-3.27	0.00	0.00	down
PCI_2906	Cytochrome P450 monooxygenase mpaDE	0.32	0.44	1.28	1.69	0.26	-1.96	0.00	0.00	down
PCI_2916	Hypothetical protein	7.53	8.92	0.62	0.84	11.22	3.49	0.00	0.00	up

PCI_2918	54S ribosomal protein L17, mitochondrial	77.21	83.48	40.84	38.57	2.02	1.02	0.00	0.00	up
PCI_2920	Zn(2)-C6 fungal-type DNA-binding domain	1.07	1.05	1.95	2.66	0.46	-1.12	0.00	0.01	down
PCI_2926	Major facilitator-type transporter hxnP	0.00	0.01	0.21	0.24	0.03	-5.12	0.00	0.01	down
PCI_2930	Arginase	0.47	0.21	1.47	2.47	0.17	-2.53	0.00	0.00	down
PCI_2931	Hypothetical protein	83.88	74.11	20.15	24.44	3.54	1.83	0.00	0.00	up
PCI_2932	Hypothetical protein	1.17	1.49	0.51	0.76	2.09	1.06	0.00	0.01	up
PCI_2933	Nucleolar complex-associated protein 3	31.81	35.97	14.00	14.37	2.39	1.26	0.00	0.00	up
PCI_2934	60S ribosome subunit biogenesis protein nip7	55.67	66.88	27.61	24.19	2.37	1.24	0.00	0.00	up
PCI_2951	Pre-rRNA-processing protein esf2	33.78	45.17	9.63	12.29	3.60	1.85	0.00	0.00	up
PCI_2952	60S ribosomal export protein NMD3	97.14	107.84	46.81	52.63	2.06	1.04	0.00	0.00	up
PCI_2955	MFS-type efflux pump MFS2	15.53	27.81	1.56	1.54	13.95	3.80	0.00	0.00	up
PCI_2959	Meiotically up-regulated gene 157 protein	11.08	8.38	20.82	23.71	0.44	-1.19	0.00	0.00	down
PCI_2968	Secreted protein ARB_01864	0.65	0.47	23.19	25.31	0.02	-5.43	0.00	0.00	down
PCI_2973	Lactam utilization protein lamB	57.58	43.59	24.03	25.53	2.04	1.03	0.00	0.00	up
PCI_2978	Hypothetical protein	4.24	1.56	60.69	86.47	0.04	-4.67	0.00	0.00	down
PCI_2996	Cholinesterase	2.24	1.13	0.26	0.22	7.02	2.81	0.00	0.00	up
PCI_2997	Hypothetical protein	32.25	19.11	9.38	10.70	2.56	1.35	0.00	0.00	up
PCI_2998	Hypothetical protein	107.67	108.24	49.78	53.06	2.10	1.07	0.00	0.00	up
PCI_2999	Acyl-CoA desaturase	2.18	1.87	4.81	3.83	0.47	-1.09	0.00	0.01	down
PCI_3000	Hypothetical protein	0.38	0.34	1.63	1.93	0.20	-2.31	0.00	0.00	down
PCI_3001	transaldolase	0.57	0.47	3.09	4.09	0.14	-2.79	0.00	0.00	down
PCI_3002	Sugar transporter ERD6-like 7	1.20	0.64	1.97	2.00	0.46	-1.11	0.01	0.01	down
PCI_3004	Protein RTM1	30.37	60.50	8.99	15.55	3.70	1.89	0.00	0.00	up
PCI_3007	Arginine permease CAN1	13.83	16.17	3.84	4.16	3.75	1.91	0.00	0.00	up
PCI_3018	G2/mitotic-specific cyclin-4	50.69	33.37	101.12	95.78	0.43	-1.23	0.00	0.00	down

PCI_3026	Urease accessory protein UreD	19.29	20.16	39.14	40.51	0.50	-1.01	0.00	0.00	down
PCI_3028	rRNA biogenesis protein rrp5	31.80	34.51	14.26	15.00	2.27	1.18	0.00	0.00	up
PCI_3030	Hypothetical protein	50.01	52.54	13.36	15.32	3.58	1.84	0.00	0.00	up
PCI_3033	Hypothetical protein	2.27	1.50	8.93	6.42	0.25	-2.03	0.00	0.00	down
PCI_3038	Phosphatidylethanolamine N-methyltransferase	31.08	30.89	60.92	65.61	0.49	-1.03	0.00	0.00	down
PCI_3040	cellulose-binding protein	1.25	1.11	2.57	2.47	0.47	-1.09	0.00	0.00	down
PCI_3044	Hypothetical protein	51.18	49.67	115.83	130.73	0.41	-1.29	0.00	0.00	down
PCI_3048	Acyl-CoA N-acyltransferase	28.70	23.62	100.69	98.68	0.26	-1.93	0.00	0.00	down
PCI_3051	FAD-linked oxidoreductase sorD	0.69	0.37	595.83	666.07	0.00	-10.22	0	0	down
PCI_3052	Sorbicillinoid biosynthetic cluster transcription factor 2	4.35	4.02	128.06	134.65	0.03	-4.97	0	0	down
PCI_3053	Major facilitator-type transporter sorT	1.41	1.58	3156.61	3456.35	0.00	-11.11	0	0	down
PCI_3054	Highly reducing polyketide synthase sorA	1.66	1.46	210.86	232.84	0.01	-7.15	0	0	down
PCI_3055	Non-reducing polyketide synthase sorB	2.35	1.83	241.33	272.19	0.01	-6.94	0	0	down
PCI_3056	FAD-dependent monooxygenase sorC	0.66	0.38	280.71	329.16	0.00	-9.18	0.00	0.00	down
PCI_3057	Sorbicillinoid biosynthetic cluster transcription factor 1	20.22	14.14	51.81	60.21	0.31	-1.71	0.00	0.00	down
PCI_3063	Zinc finger, RING-type	13.77	9.43	27.48	28.77	0.41	-1.28	0.00	0.00	down
PCI_3065	Hypothetical protein	43.70	29.05	96.44	93.22	0.38	-1.38	0.00	0.00	down
PCI_3078	Hypothetical protein	6.17	4.33	25.07	18.34	0.24	-2.05	0.00	0.00	down
PCI_3079	Ergothioneine biosynthesis protein 1	10.89	6.72	45.29	49.60	0.19	-2.43	0.00	0.00	down
PCI_3080	Lactonohydrolase oryL	2.88	2.78	1.26	1.45	2.09	1.06	0.00	0.00	up
PCI_3085	L-asparaginase 1	0.62	1.80	0.35	0.29	3.75	1.91	0.01	0.02	up
PCI_3089	Transcription factor ATEG_07667	5.80	4.36	15.65	19.86	0.29	-1.81	0.00	0.00	down
PCI_3099	Protein kri1	51.35	59.60	16.59	18.25	3.18	1.67	0.00	0.00	up
PCI_3101	Hypothetical protein	10.63	10.92	29.03	27.51	0.38	-1.39	0.00	0.00	down

PCI_3109	Oligopeptide transporter 5	46.30	37.75	15.18	17.06	2.61	1.38	0.00	0.00	up
PCI_3113	Acid phosphatase	39.93	29.78	92.95	109.52	0.34	-1.54	0.00	0.00	down
PCI_3127	Proline-specific permease	8.69	7.02	3.81	3.13	2.26	1.18	0.00	0.00	up
PCI_3128	WD repeat-containing protein C2E1P5.05	42.36	48.75	18.72	16.80	2.56	1.36	0.00	0.00	up
PCI_3135	Protein MAK11	49.02	54.08	23.76	24.84	2.12	1.08	0.00	0.00	up
PCI_3138	Hypothetical protein	54.72	64.97	17.61	22.46	2.99	1.58	0.00	0.00	up
PCI_3148	Beta-lactamase-like protein sdnR	4.86	3.51	15.06	14.24	0.29	-1.81	0.00	0.00	down
PCI_3154	endo-beta-1,4-glucanase B	520.92	429.37	4.29	4.87	103.80	6.70	0	0	up
PCI_3161	Aldehyde dehydrogenase	22.31	27.08	5.64	5.82	4.31	2.11	0.00	0.00	up
PCI_3162	Multi antimicrobial extrusion protein	12.52	7.16	27.02	26.96	0.36	-1.46	0.00	0.00	down
PCI_3168	Hypothetical protein	1.78	0.41	5.73	4.13	0.22	-2.17	0.01	0.02	down
PCI_3169	Hypothetical protein	12.97	12.38	88.10	66.42	0.16	-2.61	0.00	0.00	down
PCI_3171	Outward-rectifier potassium channel TOK1	5.46	3.57	10.74	10.51	0.42	-1.23	0.00	0.00	down
PCI_3175	Hypothetical protein	48.33	49.63	272.30	308.89	0.17	-2.57	0.00	0.00	down
PCI_3182	Rho GTPase activation protein	0.61	0.85	3.71	5.08	0.17	-2.59	0.00	0.00	down
PCI_3183	Basic leucine zipper (bZIP) transcription factor atfB	1.56	0.63	4.13	6.17	0.21	-2.24	0.00	0.00	down
PCI_3184	glucose transporter HXT5	6.27	1.69	38.62	34.07	0.11	-3.19	0.00	0.00	down
PCI_3185	Arylsulfatase	6.37	3.94	19.92	18.31	0.27	-1.89	0.00	0.00	down
PCI_3186	Tyrosinase	2.01	2.20	7.71	7.17	0.28	-1.82	0.00	0.00	down
PCI_3187	Fungal transcriptional regulatory protein, N-terminal	6.67	5.35	12.19	14.59	0.45	-1.15	0.00	0.00	down
PCI_3207	Hypothetical protein	15.24	13.18	4.77	7.41	2.33	1.22	0.00	0.00	up
PCI_3208	oxidoreductase YteT	0.09	0.02	0.68	0.46	0.10	-3.32	0.00	0.01	down
PCI_3213	Hypothetical protein	18.72	21.44	113.60	88.92	0.20	-2.33	0.00	0.00	down
PCI_3216	ATPase expression protein 2, mitochondrial	5.25	3.76	30.07	31.06	0.15	-2.76	0.00	0.00	down
PCI_3243	Tol-Pal system protein TolB	2.31	1.36	0.35	0.74	3.36	1.75	0.00	0.00	up
PCI_3250	rRNA-processing protein EBP2	128.20	139.24	40.33	43.60	3.19	1.67	0.00	0.00	up

PCI_3257	Phosducin-like protein	38.24	47.95	19.72	20.21	2.16	1.11	0.00	0.00	up
PCI_3268	AdoMet-dependent rRNA methyltransferase spb1	46.84	57.78	14.29	17.30	3.31	1.73	0.00	0.00	up
PCI_3272	Fungal transcriptional regulatory protein, N-terminal	2.22	2.60	4.59	5.65	0.47	-1.09	0.00	0.00	down
PCI_3275	Nitrogen assimilation transcription factor nirA	7.34	6.78	14.44	17.51	0.44	-1.18	0.00	0.00	down
PCI_3292	Zinc finger protein 1	1.51	0.94	2.88	5.62	0.29	-1.80	0.00	0.00	down
PCI_3307	Serine/threonine-protein kinase rio2	41.81	43.16	20.83	20.44	2.06	1.04	0.00	0.00	up
PCI_3311	Dual specificity protein phosphatase PPS1	18.41	8.34	51.30	52.87	0.26	-1.96	0.00	0.00	down
PCI_3321	Mono- and diacylglycerol lipase	10.05	7.57	19.16	18.52	0.47	-1.10	0.00	0.00	down
PCI_3325	Histidine phosphatase superfamily, clade-2	9.44	0.99	112.37	116.91	0.05	-4.46	0.00	0.00	down
PCI_3326	histidine acid phosphatase	7.56	2.76	44.82	48.18	0.11	-3.17	0.00	0.00	down
PCI_3330	tRNA (uracil(54)-C(5))-methyltransferase	39.79	48.41	15.42	17.40	2.69	1.43	0.00	0.00	up
PCI_3340	Hypothetical protein	31.63	18.37	4.15	5.43	5.22	2.38	0.00	0.00	up
PCI_3341	Glycerol 2-dehydrogenase (NADP(+))	1166.65	1285.05	425.13	413.66	2.92	1.55	0.00	0.00	up
PCI_3342	Highly reducing polyketide synthase gloL	4.26	3.84	12.56	11.84	0.33	-1.59	0.00	0.00	down
PCI_3347	Proteinase inhibitor I78	12.57	12.45	80.85	88.05	0.15	-2.75	0.00	0.00	down
PCI_3361	flavin-containing monoamine oxidase A	5.51	3.67	11.76	14.37	0.35	-1.51	0.00	0.00	down
PCI_3368	Integral membrane protein	4.71	2.73	11.13	10.77	0.34	-1.56	0.00	0.00	down
PCI_3387	alkyl/aryl-sulfatase YjcS	2.78	2.27	0.40	0.31	7.10	2.83	0.00	0.00	up
PCI_3390	Hybrid signal transduction histidine kinase J	3.38	1.36	11.59	13.17	0.19	-2.39	0.00	0.00	down
PCI_3391	Hypothetical protein	1.50	1.25	0.09	0.26	7.80	2.96	0.00	0.00	up
PCI_3392	quercetin 2,3-dioxygenase PA1210	52.88	42.09	17.32	17.21	2.75	1.46	0.00	0.00	up
PCI_3398	FAD-dependent	0.19	0.36	241.66	230.81	0.00	-9.75	0.00	0.00	down

	oxidoreductase dbaF									
PCI_3399	Dehydrogenase mpl7	0.17	0.30	133.95	127.21	0.00	-9.12	0.00	0.00	down
PCI_3400	Short chain dehydrogenase mpl6	0.76	1.18	921.51	847.43	0.00	-9.83	0	0	down
PCI_3401	Hypothetical protein	10.54	6.90	4695.44	3736.87	0.00	-8.92	0.00	0.00	down
PCI_3402	Aldehyde dehydrogenase mpl4	0.69	0.33	307.42	306.39	0.00	-9.24	0.00	0.00	down
PCI_3403	Citrinin biosynthesis transcriptional activator mrl3	16.92	12.68	52.94	56.99	0.27	-1.89	0.00	0.00	down
PCI_3404	2-oxoglutarate-dependent dioxygenase mpl2	2.00	1.82	236.09	207.15	0.01	-6.86	0.00	0.00	down
PCI_3405	Esterase mpl1	5.05	4.85	555.63	488.22	0.01	-6.72	0	0	down
PCI_3406	Citrinin polyketide synthase	0.04	0.09	196.57	197.82	0.00	-11.53	0.00	0.00	down
PCI_3407	Citrinin biosynthesis cluster MFS transporter mrr1	0.30	0.29	93.99	78.97	0.00	-8.19	0.00	0.00	down
PCI_3411	Sugar transporter STL1	9.20	9.54	4.08	3.15	2.59	1.37	0.00	0.00	up
PCI_3412	Hypothetical protein	41.09	46.17	16.44	17.79	2.55	1.35	0.00	0.00	up
PCI_3413	Glucoamylase	0.76	0.46	4.55	7.08	0.10	-3.26	0.00	0.00	down
PCI_3414	Hypothetical protein	1653.37	1143.67	505.69	531.60	2.70	1.43	0.00	0.00	up
PCI_3416	Serine/threonine-protein phosphatase PP1-beta	5.20	3.55	7.33	10.30	0.50	-1.01	0.00	0.01	down
PCI_3418	Succinate--CoA ligase	1.80	0.28	5.82	5.58	0.18	-2.45	0.00	0.00	down
PCI_3424	Ribosome biogenesis protein NOC1	34.95	34.87	11.49	11.64	3.02	1.59	0.00	0.00	up
PCI_3426	Aminomethyltransferase, mitochondrial	31.86	32.21	66.03	69.06	0.47	-1.08	0.00	0.00	down
PCI_3435	Short-chain dehydrogenase/reductase eupG	15.32	9.09	2.21	3.63	4.17	2.06	0.00	0.00	up
PCI_3438	Nitronate monooxygenase	7.16	2.99	1.15	1.87	3.36	1.75	0.00	0.00	up
PCI_3440	Hypothetical protein	0.12	0.06	3.70	6.34	0.02	-5.79	0.00	0.00	down
PCI_3446	Nuclear GTP-binding protein NUG1	74.86	82.87	35.93	37.68	2.14	1.10	0.00	0.00	up
PCI_3457	Pumilio homology domain family member 6	43.38	46.57	13.07	13.40	3.40	1.76	0.00	0.00	up
PCI_3466	secreted glycosidase	6.57	3.69	28.15	22.38	0.20	-2.30	0.00	0.00	down

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PCI_3468	Adenylyl-sulfate kinase	143.38	187.72	73.87	80.01	2.15	1.11	0.00	0.00	up
PCI_3471	Quinate repressor protein	5.19	3.94	10.14	10.40	0.44	-1.17	0.00	0.00	down
PCI_3472	Quinic acid utilization activator	2.76	1.62	6.09	6.76	0.34	-1.55	0.00	0.00	down
PCI_3473	Catabolic 3-dehydroquinase 1	23.99	21.51	3.53	5.16	5.23	2.39	0.00	0.00	up
PCI_3475	Quinate dehydrogenase	20.05	20.35	3.02	3.03	6.68	2.74	0.00	0.00	up
PCI_3477	Hypothetical protein	6.56	5.86	0.61	0.49	11.34	3.50	0.00	0.00	up
PCI_3478	3-dehydroshikimate dehydratase	13.43	10.96	1.92	1.83	6.50	2.70	0.00	0.00	up
PCI_3479	Sterol 3-beta-glucosyltransferase UGT80A2	0.77	0.17	3.46	4.33	0.12	-3.06	0.00	0.00	down
PCI_3482	Oxygen-dependent choline dehydrogenase	199.99	189.79	1.31	1.30	149.67	7.23	0	0	up
PCI_3483	Beta-galactosidase	2.00	1.31	4.09	6.17	0.32	-1.63	0.00	0.00	down
PCI_3484	HET-domain-containing protein	6.09	5.17	11.84	13.99	0.44	-1.20	0.00	0.00	down
PCI_3491	Hypothetical protein	11.65	16.52	2.93	6.50	2.99	1.58	0.00	0.00	up
PCI_3501	Hypothetical protein	0.73	0.99	0.22	0.12	5.10	2.35	0.00	0.00	up
PCI_3506	Ribosome biogenesis protein erb1	57.57	68.01	30.43	29.99	2.08	1.06	0.00	0.00	up
PCI_3507	AAA domain-containing protein C16E9.10c	23.14	26.11	8.91	8.11	2.89	1.53	0.00	0.00	up
PCI_3514	Axial budding pattern protein 2	14.13	9.88	37.67	32.83	0.34	-1.55	0.00	0.00	down
PCI_3517	Hypothetical protein	19.68	32.72	88.81	96.28	0.28	-1.82	0.00	0.00	down
PCI_3519	U3 small nucleolar RNA-associated protein 25	24.82	24.72	10.91	12.87	2.08	1.06	0.00	0.00	up
PCI_3538	Non-heme chloroperoxidase CPO-A1	68.53	23.18	124.89	137.51	0.35	-1.52	0.00	0.00	down
PCI_3542	Hypothetical protein	1.15	0.27	5.02	4.11	0.15	-2.69	0.00	0.00	down
PCI_3547	Hypothetical protein	3.33	4.58	5.63	12.73	0.43	-1.22	0.02	0.04	down
PCI_3549	Peroxidase 2	0.40	0.55	2.84	3.43	0.15	-2.73	0.00	0.00	down
PCI_3550	Hypothetical protein	4.64	3.25	0.13	0.00	58.90	5.88	0.01	0.02	up

PCI_3551	Cytochrome P450 monooxygenase vrtE	19.14	13.25	0.22	0.66	37.04	5.21	0.00	0.00	up
PCI_3557	Hypothetical protein	23.15	25.91	10.03	10.16	2.43	1.28	0.00	0.00	up
PCI_3565	IQ calmodulin-binding motif domain protein	15.00	9.64	31.51	29.23	0.41	-1.30	0.00	0.00	down
PCI_3584	Major facilitator superfamily multidrug transporter NAG3	0.11	0.01	0.38	0.60	0.13	-2.95	0.01	0.02	down
PCI_3587	Cyclopropane-fatty-acyl-phospholipid synthase	1.34	0.97	5.62	8.72	0.16	-2.64	0.00	0.00	down
PCI_3600	Hypothetical protein	0.15	0.12	0.57	1.33	0.14	-2.80	0.01	0.01	down
PCI_3604	Cgr1	10.40	7.51	21.06	19.54	0.44	-1.18	0.00	0.00	down
PCI_3609	Zinc-regulated transporter 1	0.00	0.02	5.58	7.10	0.00	-9.10	0.00	0.00	down
PCI_3611	Penicillopepsin-1	1633.00	1117.01	3015.10	3368.14	0.43	-1.21	0.00	0.00	down
PCI_3618	Transporter	9.98	6.14	2.75	2.94	2.83	1.50	0.00	0.00	up
PCI_3620	Hypothetical protein	17.72	8.69	6.39	6.28	2.08	1.06	0.00	0.00	up
PCI_3622	ABC multidrug transporter atrF	16.33	15.71	4.20	4.55	3.66	1.87	0.00	0.00	up
PCI_3623	Thiamine pathway transporter THI73	28.95	21.60	59.95	62.56	0.41	-1.28	0.00	0.00	down
PCI_3625	FAD-dependent monooxygenase	18.47	14.45	58.05	52.59	0.30	-1.75	0.00	0.00	down
PCI_3627	Glutamate decarboxylase 1	21.02	5.24	2.68	2.57	5.01	2.32	0.00	0.00	up
PCI_3632	exopolygalacturonase B	0.09	0.06	0.24	0.61	0.18	-2.45	0.02	0.04	down
PCI_3637	peptide transporter ptr2	158.92	83.69	40.56	60.94	2.39	1.26	0.00	0.00	up
PCI_3641	Flavin prenyltransferase PAD1, mitochondrial	1.32	2.11	0.33	0.42	4.54	2.18	0.00	0.00	up
PCI_3642	secreted lipase ARB_02369	0.58	0.18	1.05	1.37	0.32	-1.67	0.02	0.04	down
PCI_3643	Alpha-amylase A type-3	0.09	0.07	1.46	1.57	0.05	-4.23	0.00	0.00	down
PCI_3644	Glucoamylase	4.48	4.10	18.56	16.07	0.25	-2.01	0.00	0.00	down
PCI_3646	protein LW94_5604	6.59	3.57	2.11	2.49	2.21	1.14	0.00	0.00	up
PCI_3647	NADP-dependent alcohol dehydrogenase 7	17.79	13.75	1.42	1.44	11.02	3.46	0.00	0.00	up
PCI_3649	Salicylate hydroxylase	36.85	11.11	0.76	1.04	26.74	4.74	0.00	0.00	up
PCI_3650	Allantoate permease	15.55	4.64	0.26	0.29	36.33	5.18	0.00	0.00	up
PCI_3651	AB hydrolase superfamily protein C1039.03	45.34	20.75	6.75	9.32	4.11	2.04	0.00	0.00	up

PCI_3652	FAD-dependent monooxygenase dbaB	23.04	9.74	4.08	4.37	3.88	1.96	0.00	0.00	up
PCI_3654	Protein of unknown function DUF2406	31.64	21.70	778.91	852.17	0.03	-4.93	0.00	0.00	down
PCI_3655	protein AN5342	5.63	4.57	10.04	10.93	0.49	-1.04	0.00	0.00	down
PCI_3657	Decarboxylase DEC1	0.86	0.08	6.56	5.53	0.08	-3.68	0.00	0.00	down
PCI_3658	hetero-Diels-Alderase	46.25	20.85	315.22	321.56	0.11	-3.25	0.00	0.00	down
PCI_3659	Fe-regulated protein 8	58.95	32.50	1.08	1.08	42.24	5.40	0.00	0.00	up
PCI_3660	Lipopolysaccharide-modifying protein	4.11	1.90	25.32	21.14	0.13	-2.95	0.00	0.00	down
PCI_3661	MFS-type transporter InaF	71.99	56.25	23.19	21.16	2.89	1.53	0.00	0.00	up
PCI_3662	Protein of unknown function DUF829, TMEM53	38.02	40.06	9.42	11.25	3.78	1.92	0.00	0.00	up
PCI_3664	Short chain dehydrogenase mpl6	2.86	1.51	0.37	0.30	6.45	2.69	0.00	0.00	up
PCI_3668	Glyoxalase 3	9.91	4.74	18.71	22.48	0.36	-1.49	0.00	0.00	down
PCI_3674	Membrane protein	1.57	0.84	7.58	6.57	0.17	-2.55	0.00	0.00	down
PCI_3675	Protein/nucleic acid deglycase HchA	10.33	1.83	46.66	45.91	0.13	-2.93	0.01	0.01	down
PCI_3690	Endoglucanase-1	0.41	0.69	0.00	0.00	5531.33	12.43	0.00	0.00	up
PCI_3691	fungal specific transcription factor,	13.30	7.68	4.68	5.33	2.10	1.07	0.00	0.00	up
PCI_3692	2-haloalkanoic acid dehalogenase,	119.00	75.09	31.33	37.71	2.81	1.49	0.00	0.00	up
PCI_3693	FAD dependent oxidoreductase superfamily	63.92	32.14	2.58	2.46	19.08	4.25	0.00	0.00	up
PCI_3694	proline-specific permease put4	23.00	6.99	0.51	0.67	25.34	4.66	0.00	0.00	up
PCI_3710	Hypothetical protein	34.96	12.10	147.85	168.84	0.15	-2.75	0.00	0.00	down
PCI_3714	High-affinity fructose transporter ght6	1.16	0.34	3.11	3.50	0.23	-2.14	0.00	0.00	down
PCI_3737	arginase	0.41	0.40	1.59	1.24	0.29	-1.81	0.00	0.01	down
PCI_3739	Dynammin family protein	5.70	4.76	1.83	2.82	2.25	1.17	0.00	0.00	up
PCI_3741	Short-chain dehydrogenase	12.40	8.63	1.82	1.26	6.83	2.77	0.00	0.00	up
PCI_3742	RNA-directed DNA polymerase (reverse	5.46	5.69	2.15	2.61	2.35	1.23	0.00	0.00	up

	transcriptase)									
PCI_3744	Light-sensor Protein kinase	2.67	2.00	5.00	6.63	0.40	-1.32	0.00	0.00	down
PCI_3747	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase 1	9.09	6.74	15.07	17.43	0.49	-1.04	0.00	0.00	down
PCI_3757	Geranylgeranyl pyrophosphate synthase	13.11	10.24	25.36	24.35	0.47	-1.09	0.00	0.00	down
PCI_3762	U3 small nucleolar ribonucleoprotein protein IMP4	48.11	55.52	24.22	22.55	2.22	1.15	0.00	0.00	up
PCI_3765	alpha/beta hydrolase	4.40	3.27	8.22	8.18	0.47	-1.09	0.00	0.00	down
PCI_3771	Amidase chyE	52.55	47.48	15.87	12.99	3.47	1.79	0.00	0.00	up
PCI_3772	Hypothetical protein	127.34	107.61	47.41	42.09	2.62	1.39	0.00	0.00	up
PCI_3773	Tyrosine--tRNA ligase, cytoplasmic	63.03	58.50	27.35	25.71	2.29	1.20	0.00	0.00	up
PCI_3776	Glutathione hydrolase proenzyme	0.13	0.04	1.44	1.31	0.06	-4.03	0.00	0.00	down
PCI_3777	ATP-binding cassette sub-family D member 2	15.33	12.50	38.87	36.96	0.37	-1.45	0.00	0.00	down
PCI_3779	Glycogen phosphorylase	46.86	42.39	133.91	133.47	0.33	-1.58	0.00	0.00	down
PCI_3784	Regulator of phospholipase D SRF1	8.55	12.24	21.55	23.14	0.47	-1.10	0.00	0.00	down
PCI_3791	Nitrate transporter	74.07	30.32	14.84	14.22	3.59	1.84	0.00	0.00	up
PCI_3792	Nitrite reductase	150.23	129.03	37.03	38.04	3.72	1.90	0.00	0.00	up
PCI_3793	Nitrate reductase	73.57	61.62	20.95	21.69	3.17	1.66	0.00	0.00	up
PCI_3797	Hypothetical protein	19.10	19.17	8.84	8.07	2.26	1.18	0.00	0.00	up
PCI_3799	Hypothetical protein	46.45	48.53	21.32	25.35	2.03	1.03	0.00	0.00	up
PCI_3812	Ascochitine biosynthesis cluster MFS transporter	2.37	1.36	0.44	0.83	2.95	1.56	0.00	0.00	up
PCI_3816	Helix-loop-helix DNA-binding	11.36	6.72	4.17	3.48	2.36	1.24	0.00	0.00	up
PCI_3817	Hypothetical protein	115.32	48.92	365.43	401.20	0.21	-2.22	0.00	0.00	down
PCI_3827	Hypothetical protein	3.61	3.27	8.40	8.55	0.41	-1.30	0.00	0.00	down
PCI_3835	High-affinity methionine permease	0.24	0.09	3.31	3.13	0.05	-4.29	0.00	0.00	down
PCI_3840	Malonamoyl-CoA synthetase	5.69	7.73	44.95	42.47	0.15	-2.70	0.00	0.00	down

	vrtB									
PCI_3847	External alternative NADH-ubiquinone oxidoreductase, mitochondrial	216.06	217.36	103.54	93.42	2.20	1.14	0.00	0.00	up
PCI_3861	Hypothetical protein	27.28	18.75	68.55	64.88	0.34	-1.54	0.00	0.00	down
PCI_3865	Hypothetical protein	25.35	20.12	7.35	9.11	2.76	1.47	0.00	0.00	up
PCI_3886	Hypothetical protein	20.41	16.95	39.23	50.97	0.41	-1.27	0.00	0.00	down
PCI_3892	La protein homolog	75.26	83.71	37.70	33.34	2.24	1.16	0.00	0.00	up
PCI_3894	Polysaccharide monooxygenase Cel61a	1429.20	1146.93	91.77	100.91	13.37	3.74	0.00	0.00	up
PCI_3900	Non-specific phospholipase C3	25.13	40.16	8.71	8.94	3.70	1.89	0.00	0.00	up
PCI_3901	Protein RTM1	0.94	2.82	0.15	0.15	12.43	3.64	0.00	0.00	up
PCI_3902	Hypothetical protein	2.94	1.72	4.42	6.00	0.45	-1.16	0.01	0.01	down
PCI_3903	MFS-type transporter VdtG	24.01	18.51	107.72	96.22	0.21	-2.26	0.00	0.00	down
PCI_3908	NAD(P)-binding domain protein, partial	3.13	3.25	0.74	1.67	2.65	1.41	0.00	0.01	up
PCI_3911	MFS-type transporter oryC	2.87	2.47	6.10	4.76	0.49	-1.02	0.00	0.00	down
PCI_3917	ATP-dependent RNA helicase DHR1	11.37	13.07	5.82	5.39	2.18	1.12	0.00	0.00	up
PCI_3926	Meiotic recombination protein DLH1	13.27	14.50	4.63	5.50	2.74	1.46	0.00	0.00	up
PCI_3927	Zinc finger protein GIS2	73.93	86.94	37.63	41.19	2.04	1.03	0.00	0.00	up
PCI_3934	Hypothetical protein	25.13	15.59	42.05	40.89	0.49	-1.03	0.00	0.00	down
PCI_3938	Hypothetical protein	46.33	57.19	12.85	11.43	4.26	2.09	0.00	0.00	up
PCI_3946	Acyl-coenzyme A:6-aminopenicillanic-acid-acyltransferase 40 kDa form	0.50	0.22	0.05	0.08	5.33	2.41	0.00	0.00	up
PCI_3954	Protein of unknown function DUF3712	0.58	0.10	2.81	2.98	0.12	-3.11	0.00	0.00	down
PCI_3964	NmrA-like family protein	60.60	57.68	9.63	11.11	5.70	2.51	0.00	0.00	up
PCI_3970	Non-reducing polyketide synthase ascC	17.13	8.31	4.97	5.63	2.40	1.26	0.00	0.00	up
PCI_3978	DNA-directed RNA polymerase III subunit rpc6	58.19	70.82	26.89	30.15	2.26	1.18	0.00	0.00	up
PCI_3985	Notoamide biosynthesis	1.39	0.83	2.62	3.67	0.35	-1.50	0.00	0.00	down

	transcriptional activator notL'									
PCI_3986	transcriptional regulatory protein C3C7.04	1.33	0.60	4.01	3.61	0.25	-1.98	0.00	0.00	down
PCI_3991	Rhamnogalacturonase A	28.53	19.86	0.57	0.86	33.86	5.08	0.00	0.00	up
PCI_3993	Major facilitator superfamily transporter	262.43	557.16	68.64	75.98	5.67	2.50	0.00	0.00	up
PCI_3994	L-tryptophan decarboxylase	4.01	5.29	16.58	19.92	0.25	-1.97	0.00	0.00	down
PCI_3995	Hypothetical protein	0.43	2.46	8.44	6.73	0.19	-2.39	0.00	0.01	down
PCI_3996	N amino acid transport system protein	23.53	25.95	9.01	9.18	2.72	1.44	0.00	0.00	up
PCI_3997	Protein of unknown function DUF2235	3.44	5.19	0.14	0.04	46.81	5.55	0.00	0.00	up
PCI_3999	Glucose--fructose oxidoreductase	5.64	4.00	12.28	11.50	0.41	-1.30	0.00	0.00	down
PCI_4002	Peptidase M20 domain-containing protein 2	18.64	17.96	5.34	6.92	2.99	1.58	0.00	0.00	up
PCI_4003	Acetamidase	2.06	2.23	0.81	1.07	2.28	1.19	0.00	0.00	up
PCI_4004	oxidoreductase molybdopterin binding protein	14.60	13.53	6.32	7.08	2.10	1.07	0.00	0.00	up
PCI_4005	Notoamide biosynthesis cluster protein O'	27.43	26.91	4.67	4.94	5.65	2.50	0.00	0.00	up
PCI_4010	Hypothetical protein	5.45	5.26	0.15	0.12	38.83	5.28	0.00	0.00	up
PCI_4013	Protein FMP42	15.71	11.61	39.30	40.62	0.34	-1.55	0.00	0.00	down
PCI_4014	Fungal transcriptional regulatory protein, N-terminal	21.15	23.10	8.31	9.55	2.48	1.31	0.00	0.00	up
PCI_4021	Hypothetical protein	6.65	9.92	2.36	2.76	3.23	1.69	0.00	0.00	up
PCI_4023	Hypothetical protein	17.40	14.14	4.54	4.96	3.32	1.73	0.00	0.00	up
PCI_4031	Cytochrome P450 monooxygenase xanG	1.17	0.93	2.84	5.61	0.25	-2.01	0.00	0.00	down
PCI_4034	Zinc-type alcohol dehydrogenase-like protein C1773.06c	34.77	31.50	4.05	5.14	7.21	2.85	0.00	0.00	up
PCI_4036	Opsin-1	55.41	45.68	201.53	207.60	0.25	-2.02	0.00	0.00	down
PCI_4046	Cyanamide hydratase	0.76	0.71	6.92	8.15	0.10	-3.35	0.00	0.00	down

PCI_4049	Beta-mannosidase B	1.32	0.93	2.14	2.74	0.46	-1.11	0.00	0.00	down
PCI_4050	C6 transcription factor	1.03	0.90	4.49	4.54	0.21	-2.22	0.00	0.00	down
PCI_4052	Hypothetical protein	7.61	5.96	12.95	16.47	0.46	-1.12	0.00	0.00	down
PCI_4053	Serine/threonine-protein kinase cds1	4.25	3.17	1.24	1.36	2.85	1.51	0.00	0.00	up
PCI_4060	Hypothetical protein	0.03	0.08	0.25	0.61	0.14	-2.88	0.01	0.01	down
PCI_4061	3-phytase B	158.42	97.11	29.40	31.74	4.18	2.06	0.00	0.00	up
PCI_4066	Aspergillopepsin-2	22.96	23.75	300.46	242.83	0.09	-3.54	0.00	0.00	down
PCI_4069	Alpha-ketoglutarate-dependent xanthine dioxygenase xanA	86.14	64.90	20.56	43.20	2.37	1.24	0.00	0.00	up
PCI_4070	proline-specific permease put4	59.57	40.04	12.63	20.14	3.04	1.60	0.00	0.00	up
PCI_4071	Alcohol dehydrogenase	3.97	3.85	9.72	9.75	0.40	-1.32	0.00	0.00	down
PCI_4072	Amino acid/polyamine transporter I	42.25	51.26	17.92	14.99	2.84	1.51	0.00	0.00	up
PCI_4074	glucose transporter HXT5	15.62	42.51	125.66	143.41	0.22	-2.21	0.00	0.01	down
PCI_4076	Two-component system protein B	1.50	1.24	54.31	60.37	0.02	-5.39	0.00	0.00	down
PCI_4077	Hypothetical protein	2.67	0.90	16.33	13.98	0.12	-3.09	0.00	0.00	down
PCI_4078	Oxalate--CoA ligase	1.45	1.75	0.82	0.42	2.60	1.38	0.00	0.00	up
PCI_4080	Xaa-Pro dipeptidase	13.97	13.48	31.94	37.25	0.40	-1.33	0.00	0.00	down
PCI_4081	Cytochrome P450 monooxygenase 58	5.35	3.99	9.13	9.94	0.49	-1.03	0.00	0.00	down
PCI_4082	Multidrug transporter TPO3	5.52	3.15	8.60	9.49	0.48	-1.06	0.00	0.00	down
PCI_4083	Hypothetical protein	0.34	0.18	0.96	1.59	0.21	-2.28	0.00	0.00	down
PCI_4097	Hypothetical protein	0.20	0.32	1.27	1.06	0.22	-2.18	0.00	0.00	down
PCI_4104	Pentafunctional AROM polypeptide	7.69	5.86	16.18	15.99	0.42	-1.25	0.00	0.00	down
PCI_4106	Trans-enoyl reductase eqxC	0.56	0.64	0.08	0.18	4.53	2.18	0.01	0.02	up
PCI_4110	protein AFUA_5G13800	0.39	0.54	1.51	2.55	0.23	-2.12	0.00	0.00	down
PCI_4111	transcriptional regulatory protein C1327.01c	3.40	2.71	5.86	6.90	0.48	-1.06	0.00	0.00	down
PCI_4112	Peroxisomal primary amine oxidase	5.10	18.88	1.23	3.39	5.19	2.38	0.02	0.04	up
PCI_4121	Hypothetical protein	302.35	182.36	715.51	683.30	0.35	-1.53	0.00	0.00	down

PCI_4123	RNA recognition motif family protein	79.15	90.52	25.80	24.26	3.39	1.76	0.00	0.00	up
PCI_4133	Ribosome biogenesis (Nop4)	48.22	53.97	14.13	16.60	3.33	1.73	0.00	0.00	up
PCI_4138	Baeyer-Villiger monooxygenase	7.56	7.76	15.78	17.89	0.45	-1.14	0.00	0.00	down
PCI_4139	Fungal specific transcription factor domain protein	3.26	3.12	8.28	8.74	0.38	-1.41	0.00	0.00	down
PCI_4141	oxidoreductase C162.03	108.02	81.92	23.53	25.02	3.91	1.97	0.00	0.00	up
PCI_4142	Oleate hydroxylase FAH12	32.33	31.91	3.30	4.68	8.05	3.01	0.00	0.00	up
PCI_4143	L-tryptophan decarboxylase cnsB	1.70	1.12	10.70	12.54	0.12	-3.04	0.00	0.00	down
PCI_4144	Basic-leucine zipper (bZIP) transcription factor	26.39	22.86	48.57	66.51	0.43	-1.22	0.00	0.00	down
PCI_4145	AMP-binding enzyme	43.34	44.66	17.81	24.30	2.09	1.06	0.00	0.00	up
PCI_4146	Urease	0.11	0.08	0.28	0.37	0.29	-1.77	0.01	0.02	down
PCI_4148	Fatty acid hydroxylase superfamily protein	0.55	0.49	49.23	42.42	0.01	-6.47	0.00	0.00	down
PCI_4149	Carnosine N-methyltransferase	0.09	0.38	2.96	3.30	0.08	-3.72	0.00	0.00	down
PCI_4150	MFS-type transporter oryC	2.01	1.65	16.15	15.19	0.12	-3.10	0.00	0.00	down
PCI_4171	Mitochondrial protein sorting (Msf1)	154.39	178.07	63.01	65.77	2.58	1.37	0.00	0.00	up
PCI_4174	UPF0591 membrane protein C15E1.02c	175.47	120.71	1081.13	1150.76	0.13	-2.91	0.00	0.00	down
PCI_4176	U3 small nucleolar ribonucleoprotein protein mpp10	30.33	34.10	11.49	11.65	2.78	1.48	0.00	0.00	up
PCI_4183	STF2-like protein	27.07	23.11	54.00	54.30	0.46	-1.11	0.00	0.00	down
PCI_4185	formate transporter	3.25	2.24	6.48	6.19	0.43	-1.21	0.00	0.00	down
PCI_4186	Hypothetical protein	23.23	17.05	91.51	86.95	0.23	-2.15	0.00	0.00	down
PCI_4189	Nucleotide-binding oligomerization domain-containing protein 2	10.67	9.86	30.91	26.98	0.35	-1.50	0.00	0.00	down
PCI_4194	Serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A;	1.00	0.60	1.33	2.40	0.43	-1.22	0.01	0.02	down

	acc. no. Q505D1, partial									
PCI_4201	Aminodeoxychorismate synthase	13.74	12.06	26.77	25.74	0.49	-1.03	0.00	0.00	down
PCI_4208	Altered inheritance of mitochondria protein 32	66.77	60.88	11.75	11.29	5.54	2.47	0.00	0.00	up
PCI_4209	Formate dehydrogenase	1066.23	1118.11	48.73	56.23	20.81	4.38	0.00	0.00	up
PCI_4223	Histidine kinase 5	0.28	0.00	1.04	2.03	0.09	-3.47	0.03	0.05	down
PCI_4230	Hypothetical protein	0.85	0.70	0.28	0.19	3.33	1.73	0.00	0.00	up
PCI_4237	tRNA dimethylallyltransferase	16.96	19.33	6.21	7.61	2.63	1.39	0.00	0.00	up
PCI_4246	Delta(7)-sterol 5(6)-desaturase	107.58	82.87	41.02	42.40	2.28	1.19	0.00	0.00	up
PCI_4250	purine nucleoside phosphorylase	93.29	101.18	47.61	47.67	2.04	1.03	0.00	0.00	up
PCI_4251	rRNA-processing protein fcf2	76.10	76.29	20.37	28.98	3.09	1.63	0.00	0.00	up
PCI_4264	Hypothetical protein	0.28	0.00	2.67	3.31	0.05	-4.41	0.00	0.00	down
PCI_4272	MFS-type transporter cnsO	0.23	0.04	0.73	0.66	0.20	-2.35	0.01	0.02	down
PCI_4276	carbohydrate binding domain protein	1.94	2.58	134.05	156.63	0.02	-6.01	0.00	0.00	down
PCI_4277	Hypothetical protein	3.64	1.98	7.68	8.41	0.35	-1.52	0.00	0.00	down
PCI_4285	Ribose-phosphate pyrophosphokinase 1	70.71	74.96	34.48	31.54	2.21	1.14	0.00	0.00	up
PCI_4289	Histidinol dehydrogenase homolog	1.03	0.83	2.26	2.86	0.36	-1.46	0.00	0.00	down
PCI_4290	Cytochrome P450 monooxygenase alnD	1.02	0.45	1.88	1.81	0.40	-1.33	0.01	0.02	down
PCI_4292	5'-hydroxyaverantin dehydrogenase	1.00	0.81	2.17	2.68	0.37	-1.42	0.00	0.00	down
PCI_4295	MFS-type efflux transporter pyiT	7.03	4.56	20.80	15.40	0.32	-1.64	0.00	0.00	down
PCI_4298	Hypothetical protein	35.19	23.11	191.70	183.10	0.16	-2.68	0.00	0.00	down
PCI_4299	Siderophore iron transporter mirB	2.46	1.80	0.53	0.60	3.77	1.91	0.00	0.00	up
PCI_4302	Non-reducing end alpha-L-arabinofuranosidase	1.11	0.76	2.49	3.07	0.34	-1.58	0.00	0.00	down

	BoGH43A									
PCI_4305	beta-glucosidase M	1.11	0.79	7.11	6.90	0.14	-2.88	0.00	0.00	down
PCI_4309	MFS-type transporter PC-17	10.32	3.46	24.46	21.77	0.30	-1.75	0.00	0.00	down
PCI_4311	High-affinity glucose transporter ght2	19.85	11.50	3.38	4.07	4.21	2.07	0.00	0.00	up
PCI_4313	Solute carrier family 35 member E1 homolog	85.42	79.83	33.36	40.66	2.23	1.16	0.00	0.00	up
PCI_4315	Alternative oxidase, mitochondrial	3.00	2.53	0.18	0.40	9.50	3.25	0.00	0.00	up
PCI_4320	RNA recognition motif a.k.a RRM RBD or RNP domain protein	45.21	54.21	18.79	16.34	2.83	1.50	0.00	0.00	up
PCI_4321	Hypothetical protein	0.20	0.57	0.00	0.00	3845.72	11.91	0.00	0.00	up
PCI_4325	Histidine kinase 5	1.51	0.40	7.15	7.15	0.13	-2.91	0.00	0.00	down
PCI_4327	Citrinin biosynthesis cluster MFS transporter mrr1	71.30	53.73	15.32	15.63	4.04	2.01	0.00	0.00	up
PCI_4328	2,3-dihydroxybenzoate decarboxylase	80.90	101.20	31.45	33.52	2.80	1.49	0.00	0.00	up
PCI_4331	polyol transporter 6	2.49	1.23	5.17	6.70	0.31	-1.68	0.00	0.00	down
PCI_4332	SirQ	31.96	41.31	6.77	7.34	5.20	2.38	0.00	0.00	up
PCI_4344	Transporter	5.49	0.83	26.20	23.10	0.13	-2.96	0.01	0.02	down
PCI_4346	Zinc finger protein klf1	7.50	5.95	14.18	14.97	0.46	-1.12	0.00	0.00	down
PCI_4347	Fatty acid hydroxylase vlmA	1.69	0.82	0.51	0.34	2.95	1.56	0.01	0.03	up
PCI_4350	Protein rot1	42.75	28.88	122.08	114.25	0.30	-1.72	0.00	0.00	down
PCI_4353	Alpha-ketoglutarate-dependent sulfonate dioxygenase	391.21	249.57	102.59	112.37	2.98	1.58	0.00	0.00	up
PCI_4362	Dehydrogenase pkfF	0.26	0.34	0.03	0.06	6.56	2.71	0.00	0.00	up
PCI_4366	Hypothetical protein	0.66	1.08	2.74	4.45	0.24	-2.05	0.00	0.00	down
PCI_4371	ABC multidrug transporter mdr1	16.57	15.52	48.12	56.83	0.31	-1.71	0.00	0.00	down
PCI_4375	Hypothetical protein	36.99	18.73	3.83	3.45	7.65	2.94	0.00	0.00	up
PCI_4377	Eukaryotic translation initiation factor 6	151.99	173.80	80.09	82.79	2.00	1.00	0.00	0.00	up
PCI_4381	Hypothetical protein	8.69	4.42	18.51	22.19	0.32	-1.64	0.00	0.00	down
PCI_4382	Hypothetical protein	1.02	1.08	0.05	0.25	7.13	2.83	0.00	0.01	up

PCI_4386	Neuraminidase	57.59	20.94	155.37	152.38	0.26	-1.97	0.00	0.00	down
PCI_4392	Secondary metabolism regulator LAE1	4.91	4.09	0.31	0.60	9.94	3.31	0.00	0.00	up
PCI_4393	Ribosome production factor 1	50.13	56.42	16.33	19.96	2.94	1.55	0.00	0.00	up
PCI_4399	Hypothetical protein	1.28	0.13	4.91	4.41	0.15	-2.73	0.00	0.01	down
PCI_4401	Hypothetical protein	5.17	3.09	1.64	2.36	2.06	1.04	0.02	0.04	up
PCI_4402	Major facilitator superfamily transporter	4.23	1.18	5.45	10.61	0.34	-1.57	0.01	0.03	down
PCI_4409	H/ACA ribonucleoprotein complex subunit cbf5	226.29	256.44	106.42	107.27	2.26	1.18	0.00	0.00	up
PCI_4412	Thioredoxin domain-containing protein plp1	24.95	32.60	10.85	13.70	2.34	1.23	0.00	0.00	up
PCI_4418	aspartokinase	70.95	77.50	30.99	30.35	2.42	1.27	0.00	0.00	up
PCI_4442	Polyketide synthase-nonribosomal peptide synthetase	0.14	0.10	0.28	0.35	0.38	-1.41	0.00	0.00	down
PCI_4443	Cytochrome P450 monooxygenase BOA3	0.06	0.04	0.18	0.87	0.10	-3.32	0.00	0.01	down
PCI_4444	Hypothetical protein	0.12	0.26	0.76	2.35	0.12	-3.02	0.00	0.00	down
PCI_4452	Hypothetical protein	15.10	14.84	1.47	3.16	6.46	2.69	0.00	0.00	up
PCI_4453	Hypothetical protein	17.46	17.57	2.24	3.68	5.92	2.57	0.00	0.00	up
PCI_4454	O-acetyltransferase PaAT-1	10.91	9.10	3.97	5.61	2.09	1.06	0.00	0.00	up
PCI_4467	ER lumen protein-retaining receptor erd-2.2	27.26	21.36	57.33	49.77	0.45	-1.14	0.00	0.00	down
PCI_4472	Catechol 1,2-dioxygenase	28.64	41.67	17.43	17.44	2.02	1.01	0.00	0.00	up
PCI_4477	rRNA-processing protein efg1	22.74	25.17	5.15	7.18	3.89	1.96	0.00	0.00	up
PCI_4484	Ribonucleoprotein LSM domain, eukaryotic/archaea-type	20.06	15.38	41.63	40.61	0.43	-1.21	0.00	0.00	down
PCI_4486	N amino acid transport system protein	7.88	9.21	2.44	2.57	3.41	1.77	0.00	0.00	up
PCI_4487	guanine deaminase	12.82	6.07	2.55	2.36	3.85	1.94	0.00	0.00	up
PCI_4488	Sugar transporter STL1	7.35	2.60	0.33	0.87	8.28	3.05	0.00	0.00	up
PCI_4490	Protein png1	33.15	23.88	78.61	76.57	0.37	-1.44	0.00	0.00	down

PCI_4495	Chanoclavine-I aldehyde reductase fgaOx3	443.07	192.48	100.91	121.17	2.86	1.52	0.00	0.00	up
PCI_4503	ABC-transporter-regulating transcription factor	7.66	6.93	14.21	15.47	0.49	-1.02	0.00	0.00	down
PCI_4505	Sphingolipid long chain base-responsive protein PIL1	41.30	39.15	177.38	171.73	0.23	-2.12	0.00	0.00	down
PCI_4506	DNA repair protein rad13	2.83	2.71	7.24	6.63	0.40	-1.32	0.00	0.00	down
PCI_4515	SUR7 family protein pun1	131.33	499.23	53.20	55.54	5.80	2.54	0.00	0.01	up
PCI_4517	1-phosphatidylinositol 3-phosphate 5-kinase fab1	5.83	3.78	9.38	10.94	0.47	-1.08	0.00	0.00	down
PCI_4522	Hypothetical protein	11.47	57.53	3.14	4.59	8.93	3.16	0.00	0.01	up
PCI_4529	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	4.31	2.34	8.84	9.60	0.36	-1.47	0.00	0.00	down
PCI_4530	Hypothetical protein	9.98	6.57	15.17	20.49	0.46	-1.11	0.00	0.00	down
PCI_4531	Secondary metabolism regulator LAE1	26.20	24.74	5.51	7.59	3.89	1.96	0.00	0.00	up
PCI_4533	Aldehyde reductase Ahr	66.63	61.10	8.79	10.18	6.73	2.75	0.00	0.00	up
PCI_4536	Translocator protein homolog	48.46	54.70	122.99	133.26	0.40	-1.31	0.00	0.00	down
PCI_4537	ABC multidrug transporter atrB	7.04	7.83	2.18	2.50	3.17	1.67	0.00	0.00	up
PCI_4540	Major facilitator superfamily transporter	14.49	17.29	26.86	37.86	0.49	-1.03	0.00	0.00	down
PCI_4542	Secreted lipase	78.85	75.96	15.96	16.03	4.84	2.28	0.00	0.00	up
PCI_4543	CipC1 protein, concanamycin induced protein C	59.07	61.70	155.41	188.62	0.35	-1.51	0.00	0.00	down
PCI_4544	Carboxylesterase A	46.56	33.03	13.18	16.00	2.73	1.45	0.00	0.00	up
PCI_4546	Hypothetical protein	11.48	10.58	0.33	0.30	35.31	5.14	0.00	0.00	up
PCI_4547	Allergen Asp f 4	41.77	30.87	251.59	227.67	0.15	-2.72	0.00	0.00	down
PCI_4548	Mannan endo-1,6-alpha-mannosidase DCW1	58.92	71.86	21.84	23.56	2.88	1.53	0.00	0.00	up
PCI_4552	Hypothetical protein	11.53	12.08	30.02	30.01	0.39	-1.35	0.00	0.00	down
PCI_4556	2,2-dialkylglycine decarboxylase	21.26	10.18	0.52	0.54	29.68	4.89	0.00	0.00	up

PCI_4560	Dipeptidyl-peptidase 5	68.78	72.37	170.55	187.50	0.39	-1.34	0.00	0.00	down
PCI_4567	Protein arginine N-methyltransferase 2	30.03	34.66	15.64	16.59	2.01	1.01	0.00	0.00	up
PCI_4571	Adenine deaminase	85.75	71.24	8.53	13.83	7.02	2.81	0.00	0.00	up
PCI_4575	60S ribosomal protein L30	75.71	64.91	138.60	151.20	0.49	-1.04	0.00	0.00	down
PCI_4577	Extracellular membrane protein, CFEM domain	214.54	127.09	1031.29	1004.62	0.17	-2.58	0.00	0.00	down
PCI_4578	Notoamide biosynthesis cluster protein O'	0.09	0.05	0.35	1.04	0.10	-3.32	0.00	0.00	down
PCI_4579	Taurine catabolism dioxygenase TauD/TfdA	1.21	0.53	4.22	5.48	0.18	-2.48	0.00	0.00	down
PCI_4583	Short-chain dehydrogenase/reductase SDR	5.31	1.04	37.61	35.82	0.09	-3.53	0.00	0.00	down
PCI_4586	Hypothetical protein	0.86	0.41	1.95	1.23	0.40	-1.32	0.02	0.04	down
PCI_4590	ATP-dependent RNA helicase prh1	20.19	19.15	9.02	9.91	2.08	1.06	0.00	0.00	up
PCI_4595	Histidine protein kinase NIK1	10.70	8.32	72.85	78.40	0.13	-2.99	0.00	0.00	down
PCI_4597	serine/threonine-protein kinase fhkC	4.75	4.78	8.07	12.11	0.47	-1.08	0.00	0.00	down
PCI_4602	Acyl-CoA N-acyltransferase	3.05	1.99	9.87	10.98	0.24	-2.05	0.00	0.00	down
PCI_4609	DNA polymerase type-X family protein pol4	1.59	1.49	5.36	5.19	0.29	-1.78	0.00	0.00	down
PCI_4610	High-affinity nickel transport protein nic1	33.41	30.75	14.41	15.60	2.14	1.10	0.00	0.00	up
PCI_4611	Hypothetical protein	80.80	34.20	23.93	24.39	2.38	1.25	0.00	0.00	up
PCI_4612	Dicarboxylic amino acid permease	62.26	36.57	10.56	15.66	3.77	1.91	0.00	0.00	up
PCI_4613	acriflavine sensitivity control protein acr-2	18.66	10.32	1.04	1.25	12.70	3.67	0.00	0.00	up
PCI_4614	Short-chain dehydrogenase/reductase prx7	14.30	15.78	3.07	3.08	4.89	2.29	0.00	0.00	up
PCI_4618	metallocarboxypeptidase ecm14	15.73	11.35	30.37	28.01	0.46	-1.11	0.00	0.00	down

PCI_4621	zinc transporter zip2	12.76	12.10	40.22	36.70	0.32	-1.63	0.00	0.00	down
PCI_4631	Esterase/lipase	14.01	7.69	27.88	25.80	0.40	-1.31	0.00	0.00	down
PCI_4640	Neuraminidase	2.43	2.48	5.61	7.60	0.37	-1.43	0.00	0.00	down
PCI_4646	Meiotically up-regulated gene 190 protein	3.59	1.16	21.81	19.52	0.11	-3.12	0.00	0.00	down
PCI_4663	threonine aldolase	5.46	3.69	23.12	23.10	0.20	-2.34	0.00	0.00	down
PCI_4665	Hypothetical protein	17.85	17.05	2.70	2.65	6.52	2.71	0.00	0.00	up
PCI_4666	Flavin oxidoreductase hxnT	18.63	21.51	4.48	4.31	4.57	2.19	0.00	0.00	up
PCI_4667	NADPH--cytochrome P450 reductase	2.89	1.61	0.38	0.60	4.61	2.21	0.00	0.00	up
PCI_4670	Proteasome activator BLM10	10.15	10.36	21.20	21.10	0.48	-1.04	0.00	0.00	down
PCI_4672	Versiconal hemiacetal acetate reductase	47.46	40.29	21.75	21.79	2.02	1.01	0.00	0.00	up
PCI_4673	O-methyltransferase mpaG	62.70	73.53	0.12	0.13	543.85	9.09	0.00	0.00	up
PCI_4674	Hypothetical protein	19.23	19.27	0.13	0.05	207.99	7.70	0.00	0.00	up
PCI_4679	Nucleic acid-binding, OB-fold	6.84	7.06	13.67	15.34	0.48	-1.06	0.00	0.00	down
PCI_4699	Hypothetical protein	0.59	0.49	2.25	2.40	0.23	-2.11	0.00	0.00	down
PCI_4715	Alkaline ceramidase 3	15.49	16.66	39.70	46.00	0.38	-1.41	0.00	0.00	down
PCI_4734	assembly chaperone of rpl4	42.08	49.21	19.29	18.16	2.44	1.29	0.00	0.00	up
PCI_4739	gluconokinase	12.12	17.04	41.97	36.11	0.37	-1.42	0.00	0.00	down
PCI_4740	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial	8.62	7.86	91.15	94.79	0.09	-3.50	0.00	0.00	down
PCI_4750	Acetylxyln esterase 2	12.04	12.11	0.18	0.14	74.15	6.21	0.00	0.00	up
PCI_4751	Secondary metabolism regulator LAE1	27.53	44.82	12.95	17.32	2.39	1.26	0.00	0.00	up
PCI_4754	Mitochondrial import inner membrane translocase subunit tim54	50.35	61.28	21.82	21.35	2.59	1.37	0.00	0.00	up
PCI_4771	Patatin-like phospholipase domain-containing protein NFIA_019760	17.36	15.89	35.06	36.49	0.46	-1.11	0.00	0.00	down
PCI_4773	N amino acid transport	1.56	1.88	3.74	4.19	0.43	-1.20	0.00	0.00	down

	system protein									
PCI_4774	Protein LONG AFTER FAR-RED 3	8.76	17.90	5.70	4.48	2.62	1.39	0.00	0.00	up
PCI_4787	MFS-type transporter dbaD	31.83	37.93	15.07	15.90	2.25	1.17	0.00	0.00	up
PCI_4795	Secreted thaumatin-like protein cetA	2.67	0.90	22.97	25.30	0.07	-3.76	0.00	0.00	down
PCI_4806	Lipopolysaccharide-modifying protein	7.81	5.83	34.03	34.03	0.20	-2.32	0.00	0.00	down
PCI_4807	RNA cytidine acetyltransferase	37.48	42.85	19.95	18.45	2.09	1.06	0.00	0.00	up
PCI_4813	NAD dependent epimerase/dehydratase family protein	63.35	72.54	20.22	21.93	3.22	1.69	0.00	0.00	up
PCI_4823	Myb-like DNA-binding protein myb-1	52.62	59.27	19.34	17.21	3.06	1.61	0.00	0.00	up
PCI_4824	family 31 glucosidase ORF2 (Fragment)	0.50	0.15	1.19	1.51	0.24	-2.04	0.00	0.01	down
PCI_4847	Hypothetical protein	21.43	24.73	7.41	8.26	2.94	1.56	0.00	0.00	up
PCI_4852	Hypothetical protein	528.61	448.92	1392.76	1330.78	0.36	-1.48	0.00	0.00	down
PCI_4857	Protein of unknown function DUF2417	4.13	5.71	35.14	31.79	0.15	-2.76	0.00	0.00	down
PCI_4870	S-(hydroxymethyl)glutathione dehydrogenase	429.18	408.14	188.60	177.62	2.29	1.19	0.00	0.00	up
PCI_4871	1-aminocyclopropane-1-carboxylate deaminase	137.84	119.53	12.80	14.48	9.44	3.24	0.00	0.00	up
PCI_4872	Inositol-3-phosphate synthase	109.45	83.24	635.93	676.23	0.15	-2.77	0.00	0.00	down
PCI_4873	Sugar transporter STL1	5.21	3.67	11.08	10.32	0.41	-1.27	0.00	0.00	down
PCI_4879	Major facilitator superfamily transporter	29.16	11.66	89.71	89.20	0.23	-2.13	0.00	0.00	down
PCI_4881	extracellular GDSL-like lipase/acylhydrolase	8.12	6.46	1.53	1.42	4.94	2.30	0.00	0.00	up
PCI_4882	Purine nucleoside permease	138.25	92.92	13.30	13.23	8.71	3.12	0.00	0.00	up
PCI_4884	5-methylphenazine-1-carboxylate 1-	42.30	50.63	6.80	7.46	6.52	2.70	0.00	0.00	up

	monooxygenase									
PCI_4885	pectate lyase A	12.34	16.16	0.20	0.00	141.45	7.14	0.00	0.01	up
PCI_4887	Aldehyde dehydrogenase	9.17	9.03	4.06	4.81	2.05	1.04	0.00	0.00	up
PCI_4890	Oxidoreductase AflyY	2.32	2.19	6.70	7.04	0.33	-1.61	0.00	0.00	down
PCI_4903	Zinc-responsive transcriptional regulator ZAP1	10.32	8.37	65.36	61.09	0.15	-2.76	0.00	0.00	down
PCI_4905	endo-beta-1,4-glucanase celB	1.68	1.43	5.68	3.38	0.34	-1.54	0.00	0.00	down
PCI_4911	Zinc finger protein MSN2	29.06	39.19	8.30	12.81	3.23	1.69	0.00	0.00	up
PCI_4919	Hypothetical protein	16.63	12.75	6.50	7.13	2.15	1.11	0.00	0.00	up
PCI_4924	Hypothetical protein	1.85	1.43	0.04	0.00	81.74	6.35	0.00	0.00	up
PCI_4929	Siderophore iron transporter mirB	4.15	4.01	0.98	0.76	4.69	2.23	0.00	0.00	up
PCI_4931	Hypothetical protein	75.91	51.75	245.91	239.39	0.26	-1.93	0.00	0.00	down
PCI_4948	Aspartate aminotransferase, cytoplasmic	1.08	1.36	0.34	0.57	2.69	1.43	0.01	0.01	up
PCI_4949	Dehydrogenase pkfF	60.72	89.80	6.71	8.05	10.20	3.35	0.00	0.00	up
PCI_4950	Hypothetical protein	12.76	11.99	0.08	0.02	242.24	7.92	0.00	0.00	up
PCI_4951	MFS siderochrome iron transporter 1	33.45	47.23	1.60	1.34	27.46	4.78	0.00	0.00	up
PCI_4953	Zn(II)2Cys6 transcription factor	0.77	1.58	0.01	0.09	22.98	4.52	0.00	0.00	up
PCI_4954	ABC multidrug transporter atrB	24.22	26.11	0.66	0.68	37.40	5.23	0.00	0.00	up
PCI_4955	NADH-dependent flavin oxidoreductase nadA	63.14	56.01	7.88	15.15	5.17	2.37	0.00	0.00	up
PCI_4962	Hypothetical protein	20.53	46.73	88.52	88.16	0.38	-1.39	0.00	0.00	down
PCI_4964	MFS transporter L2	6.51	4.19	30.42	23.88	0.20	-2.34	0.00	0.00	down
PCI_4969	U3 small nucleolar RNA- associated protein 17	29.56	32.29	13.52	14.27	2.23	1.15	0.00	0.00	up
PCI_4976	conserved glycine-rich protein	16.69	45.99	9.29	10.77	3.12	1.64	0.00	0.00	up
PCI_4981	Type 2 glycosyltransferase	125.63	125.18	32.31	37.44	3.60	1.85	0.00	0.00	up
PCI_4982	Hypothetical protein	37.06	37.01	16.78	18.94	2.07	1.05	0.00	0.00	up
PCI_5003	U3 small nucleolar RNA-	22.90	25.30	7.75	8.31	3.00	1.59	0.00	0.00	up

	associated protein 22									
PCI_5014	Hypothetical protein	10.48	19.15	4.81	5.68	2.82	1.50	0.00	0.00	up
PCI_5019	Zinc-regulated transporter 2	1.78	1.00	20.59	23.30	0.06	-3.98	0.00	0.00	down
PCI_5026	Sugar transporter STL1	0.07	0.10	0.88	0.87	0.10	-3.36	0.00	0.00	down
PCI_5028	NADP-dependent mannitol dehydrogenase	0.19	0.15	1.91	2.23	0.08	-3.59	0.00	0.00	down
PCI_5030	Hypothetical protein	40.34	28.57	110.97	104.05	0.32	-1.64	0.00	0.00	down
PCI_5031	Hypothetical protein	343.13	230.67	1079.92	913.75	0.29	-1.80	0.00	0.00	down
PCI_5044	quinate permease	6.71	6.82	3.23	3.13	2.13	1.09	0.00	0.00	up
PCI_5045	ABC multidrug transporter B	2.45	1.52	10.25	15.96	0.15	-2.72	0.00	0.00	down
PCI_5046	carboxylesterase 8	4.94	9.27	35.91	36.52	0.20	-2.35	0.00	0.00	down
PCI_5050	Hypothetical protein	8.05	7.08	2.75	3.42	2.45	1.29	0.00	0.00	up
PCI_5053	Cytochrome P450 monooxygenase TRI4	28.37	25.44	5.91	12.43	2.93	1.55	0.00	0.00	up
PCI_5054	2-(3-amino-3-carboxypropyl)histidine synthase subunit 2	22.98	25.33	10.86	12.06	2.11	1.08	0.00	0.00	up
PCI_5059	tRNA(Thr) (cytosine(32)-N(3))-methyltransferase	38.66	44.99	13.08	12.61	3.26	1.70	0.00	0.00	up
PCI_5064	Coenzyme Q-binding protein	30.28	35.14	17.46	13.60	2.11	1.07	0.00	0.00	up
PCI_5075	Methionine synthase	5.76	3.88	1.08	1.58	3.63	1.86	0.00	0.00	up
PCI_5081	Feruloyl CoA ortho-hydroxylase 2	47.73	30.84	11.39	18.13	2.66	1.41	0.00	0.00	up
PCI_5083	Carnitine monooxygenase oxygenase subunit	55.58	26.18	2.88	4.35	11.32	3.50	0.00	0.00	up
PCI_5085	L-pipecolate oxidase	46.39	16.10	4.68	5.08	6.41	2.68	0.00	0.00	up
PCI_5086	Guanine deaminase	14.27	8.93	0.51	2.20	8.59	3.10	0.00	0.00	up
PCI_5087	FAD-dependent monooxygenase DEP4	3.18	2.53	7.23	6.91	0.40	-1.31	0.00	0.00	down
PCI_5088	4-pyridoxate dehydrogenase	375.85	73.97	1.62	1.41	148.56	7.21	0.00	0.00	up
PCI_5089	Hypothetical protein	3.83	1.39	0.00	0.03	204.75	7.68	0.00	0.00	up
PCI_5093	Vacuolar membrane amino acid uptake transporter fnx2	3.31	2.02	14.13	12.24	0.20	-2.31	0.00	0.00	down
PCI_5094	D-alanine--D-alanine ligase	17.43	11.53	31.92	30.17	0.47	-1.10	0.00	0.00	down
PCI_5097	major facilitator superfamily transporter	32.65	24.53	12.95	7.37	2.81	1.49	0.00	0.00	up

PCI_5098	Highly reducing polyketide synthase gloL	12.22	10.16	4.69	3.42	2.76	1.46	0.00	0.00	up
PCI_5099	Glycine-rich domain-containing protein 1	1.76	4.05	0.69	0.70	4.17	2.06	0.00	0.00	up
PCI_5101	Lipase A	2.31	1.23	0.65	0.47	3.16	1.66	0.00	0.01	up
PCI_5104	Scytalone dehydratase arp1	18.68	22.03	251.55	257.04	0.08	-3.64	0.00	0.00	down
PCI_5105	Hydroxynaphthalene reductase arp2	74.26	76.49	883.73	861.31	0.09	-3.53	0.00	0.00	down
PCI_5108	Hypothetical protein	165.36	117.38	63.62	72.86	2.07	1.05	0.00	0.00	up
PCI_5110	LysM domain-containing protein ARB_01488	0.53	0.41	1.14	2.70	0.25	-2.02	0.01	0.01	down
PCI_5111	Hypothetical protein	6.01	6.12	19.70	19.15	0.31	-1.68	0.00	0.00	down
PCI_5112	Killer toxin subunits alpha/beta	0.17	0.21	0.86	0.56	0.27	-1.89	0.00	0.00	down
PCI_5120	pectin lyase F	9.15	4.79	0.22	0.48	19.97	4.32	0.00	0.00	up
PCI_5123	Deoxyribodipyrimidine photo-lyase	11.16	9.93	29.32	28.58	0.36	-1.46	0.00	0.00	down
PCI_5124	Hypothetical protein	4.54	3.00	17.81	22.35	0.19	-2.41	0.00	0.00	down
PCI_5125	K(+)/H(+) antiporter 1	9.68	6.26	23.95	24.76	0.33	-1.61	0.00	0.00	down
PCI_5126	ABC multidrug transporter atrA	3.24	2.05	11.48	19.94	0.17	-2.57	0.00	0.00	down
PCI_5131	Mannan endo-1,6-alpha-mannosidase DCW1	67.55	54.34	132.13	135.24	0.46	-1.13	0.00	0.00	down
PCI_5134	Hypothetical protein	81.14	63.85	203.46	178.92	0.38	-1.40	0.00	0.00	down
PCI_5136	MFS-type transporter cnsO	7.82	3.92	13.56	14.98	0.41	-1.28	0.00	0.00	down
PCI_5142	Protein of unknown function DUF3602	119.63	70.11	44.15	46.87	2.08	1.06	0.00	0.00	up
PCI_5145	Velvet complex subunit B	10.61	7.56	25.54	21.91	0.38	-1.39	0.00	0.00	down
PCI_5147	Secreted protein RBT4	5.80	1.80	43.12	39.76	0.09	-3.45	0.00	0.00	down
PCI_5149	Ribosome assembly protein 4	35.55	39.84	17.22	17.50	2.17	1.12	0.00	0.00	up
PCI_5150	secreted protein ARB_07637	491.19	656.65	79.66	83.66	7.03	2.81	0.00	0.00	up
PCI_5153	Flavohemoprotein	14.08	8.62	39.96	37.08	0.29	-1.76	0.00	0.00	down
PCI_5154	Hypothetical protein	73.81	148.42	49.83	47.93	2.27	1.18	0.00	0.00	up
PCI_5163	MFS transporter PfmaC	7.21	6.73	3.17	3.72	2.03	1.02	0.00	0.00	up
PCI_5164	tartrate dehydrogenase/decarboxylas	12.34	16.09	4.67	5.42	2.82	1.49	0.00	0.00	up

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PCI_5165	Major facilitator superfamily transporter mfsA	0.24	0.31	1.09	0.92	0.28	-1.85	0.00	0.00	down
PCI_5166	Glyceraldehyde-3-phosphate dehydrogenase 1	3.28	3.22	0.64	1.28	3.38	1.76	0.00	0.00	up
PCI_5167	WD repeat-containing protein C17D11.16	65.18	72.31	16.78	20.28	3.71	1.89	0.00	0.00	up
PCI_5169	rRNA-processing protein utp23	50.67	53.72	18.58	19.43	2.75	1.46	0.00	0.00	up
PCI_5173	WD repeat-containing protein C3D6.12	33.54	37.45	16.30	17.31	2.11	1.08	0.00	0.00	up
PCI_5179	Protein of unknown function DUF3712	29.73	26.58	124.21	172.35	0.19	-2.40	0.00	0.00	down
PCI_5180	Hypothetical protein	0.98	1.06	4.16	3.32	0.27	-1.88	0.00	0.00	down
PCI_5192	Hypothetical protein	0.96	0.31	1.87	3.87	0.22	-2.18	0.02	0.05	down
PCI_5195	Acyl-CoA ligase sidI	1.56	0.51	4.76	4.40	0.23	-2.15	0.00	0.00	down
PCI_5199	Peroxisomal adenine nucleotide transporter 1	2.51	2.89	5.00	6.83	0.46	-1.13	0.00	0.00	down
PCI_5202	Cytochrome P450 monooxygenase virE	1.47	1.40	0.26	0.66	3.12	1.64	0.01	0.02	up
PCI_5208	Uracil-regulated protein 1	507.65	376.25	205.12	227.66	2.04	1.03	0.00	0.00	up
PCI_5211	Ferric/cupric reductase transmembrane component 2	8.89	5.98	67.16	64.20	0.11	-3.14	0.00	0.00	down
PCI_5216	Hypothetical protein	6.39	4.43	18.72	19.09	0.29	-1.81	0.00	0.00	down
PCI_5218	Laccase-2	0.33	0.38	0.71	1.08	0.40	-1.34	0.02	0.04	down
PCI_5221	Short chain dehydrogenase/reductase dpchG	5.03	4.03	8.46	14.10	0.40	-1.32	0.00	0.00	down
PCI_5222	Ketoreductase CTB6	2.36	1.57	22.16	27.22	0.08	-3.65	0.00	0.00	down
PCI_5225	Mannan polymerase complex subunit MNN9	23.18	22.64	51.68	49.65	0.45	-1.15	0.00	0.00	down
PCI_5227	Nucleolar protein 16	76.83	87.00	18.68	22.09	4.02	2.01	0.00	0.00	up
PCI_5235	MARVEL-like domain	127.63	32.78	593.89	587.12	0.14	-2.88	0.00	0.00	down
PCI_5236	Sphingomyelin phosphodiesterase 2	0.40	0.13	0.96	0.72	0.32	-1.66	0.02	0.05	down
PCI_5241	Low affinity inorganic	29.29	21.60	1.07	1.26	21.88	4.45	0.00	0.00	up

	phosphate transporter 1									
PCI_5246	Hypothetical protein	4.52	7.81	18.38	21.28	0.31	-1.69	0.00	0.00	down
PCI_5269	Amino acid oxidase imqH	42.05	45.17	16.67	14.69	2.78	1.48	0.00	0.00	up
PCI_5270	Methyltransferase OMS1, mitochondrial	13.06	14.80	7.36	6.37	2.03	1.02	0.00	0.00	up
PCI_5274	Hypothetical protein	4.57	3.00	8.82	8.35	0.44	-1.18	0.00	0.00	down
PCI_5285	Cystinosin/ERS1p repeat	14.10	15.28	53.00	44.21	0.30	-1.73	0.00	0.00	down
PCI_5286	Ankyrin repeat domain- containing protein 50	0.86	1.64	5.50	4.29	0.26	-1.97	0.00	0.00	down
PCI_5287	Meiotic sister chromatid recombination protein 1	30.64	40.77	141.21	140.06	0.25	-1.98	0.00	0.00	down
PCI_5294	Zn(2)-C6 fungal-type DNA- binding domain	0.37	0.26	0.81	0.92	0.36	-1.46	0.02	0.04	down
PCI_5300	Hypothetical protein	108.86	113.35	50.75	52.50	2.15	1.11	0.00	0.00	up
PCI_5312	Hypothetical protein	57.76	65.35	27.45	24.57	2.37	1.24	0.00	0.00	up
PCI_5315	L-asparaginase 1	346.75	271.60	107.91	124.87	2.66	1.41	0.00	0.00	up
PCI_5319	Protein of unknown function DUF2373	32.78	42.12	12.51	11.34	3.14	1.65	0.00	0.00	up
PCI_5323	Ubiquitin-40S ribosomal protein S27a	3679.44	4082.83	1912.44	1938.43	2.02	1.01	0.00	0.00	up
PCI_5328	MFS transporter cpaT	1.96	3.29	7.05	6.75	0.38	-1.40	0.00	0.00	down
PCI_5336	Nucleolar protein 9	35.64	38.31	11.49	10.98	3.29	1.72	0.00	0.00	up
PCI_5341	Pyruvate decarboxylase	35.85	38.63	78.15	79.54	0.47	-1.08	0.00	0.00	down
PCI_5343	Protein kinase-like domain	14.84	19.93	1.54	1.81	10.39	3.38	0.00	0.00	up
PCI_5352	Transporter	0.09	0.16	2.75	1.64	0.06	-4.17	0.00	0.00	down
PCI_5356	Ribosomal protein arginine N-methyltransferase rmt3	44.76	48.79	20.49	23.41	2.13	1.09	0.00	0.00	up
PCI_5360	Peroxide stress-activated histidine kinase mak1	4.51	3.85	10.00	7.44	0.48	-1.06	0.00	0.00	down
PCI_5363	Acyl-coenzyme A:6- aminopenicillanic-acid- acyltransferase 40 kDa form	72.02	38.50	9.90	13.01	4.82	2.27	0.00	0.00	up
PCI_5366	Myo-inositol transporter 1	0.75	0.64	2.56	1.91	0.31	-1.68	0.00	0.00	down
PCI_5374	Ribosome biogenesis protein BRX1	87.39	105.86	35.28	33.56	2.81	1.49	0.00	0.00	up
PCI_5381	Glycogen debranching	20.57	18.49	67.53	70.51	0.28	-1.82	0.00	0.00	down

	enzyme									
PCI_5382	Cytoskeletal signaling protein slm1	0.36	0.28	1.03	1.02	0.31	-1.70	0.00	0.00	down
PCI_5384	F-box domain protein	3.84	1.90	34.75	32.18	0.09	-3.54	0.00	0.00	down
PCI_5386	Hypothetical protein	0.53	0.36	1.69	1.54	0.28	-1.86	0.00	0.00	down
PCI_5387	Gamma-glutamyl cyclotransferase gliK	29.81	30.24	60.89	59.39	0.50	-1.00	0.00	0.00	down
PCI_5390	C6 finger domain transcription factor iacK	10.28	8.93	29.39	33.79	0.30	-1.72	0.00	0.00	down
PCI_5391	Cysteine dioxygenase	65.04	51.15	181.25	179.43	0.32	-1.63	0.00	0.00	down
PCI_5392	Cinnamyl alcohol dehydrogenase 8	66.15	35.83	12.23	13.48	3.97	1.99	0.00	0.00	up
PCI_5417	Ras GTPase-activating-like protein rng2	15.87	12.63	29.68	31.87	0.46	-1.11	0.00	0.00	down
PCI_5424	2-oxoglutarate-dependent dioxygenase gloF	64.43	44.07	99.43	142.78	0.45	-1.16	0.00	0.00	down
PCI_5440	Hypothetical protein	8.66	5.64	43.02	40.53	0.17	-2.55	0.00	0.00	down
PCI_5441	Zinc-regulated transporter 2	58.61	50.40	151.42	158.70	0.35	-1.51	0.00	0.00	down
PCI_5448	U3 small nucleolar RNA-associated protein 4	37.31	42.88	17.90	19.12	2.17	1.12	0.00	0.00	up
PCI_5450	Medium chain reductase/dehydrogenase ucsl	28.58	35.58	13.10	14.94	2.29	1.19	0.00	0.00	up
PCI_5452	extracellular glycosidase ARB_03382	35.99	26.03	6.49	6.92	4.62	2.21	0.00	0.00	up
PCI_5460	Ribosome biogenesis protein RLP24	142.46	169.61	52.82	53.12	2.95	1.56	0.00	0.00	up
PCI_5465	Alpha-L-rhamnosidase	0.36	0.40	1.38	1.56	0.26	-1.95	0.00	0.00	down
PCI_5466	High-affinity glucose transporter	1.03	0.75	2.58	2.36	0.36	-1.47	0.00	0.00	down
PCI_5469	Myo-inositol transporter 2	2.11	0.82	6.44	5.76	0.24	-2.05	0.00	0.00	down
PCI_5483	Protein goliath	21.20	16.08	50.27	49.00	0.38	-1.41	0.00	0.00	down
PCI_5488	Ras suppressor protein 1	14.70	15.36	7.43	7.56	2.01	1.00	0.00	0.00	up
PCI_5490	Hypothetical protein	83.14	68.81	36.35	33.28	2.18	1.13	0.00	0.00	up
PCI_5494	Heat shock protein 70 homolog C57A7.12	144.93	166.70	70.43	69.39	2.23	1.16	0.00	0.00	up

PCI_5495	Actin cortical patch protein Sur7	101.85	29.25	415.55	347.38	0.17	-2.54	0.00	0.00	down
PCI_5496	Hypothetical protein	20.19	18.60	42.80	43.02	0.45	-1.15	0.00	0.00	down
PCI_5507	Hypothetical protein	43.92	48.19	17.91	18.97	2.50	1.32	0.00	0.00	up
PCI_5510	20S rRNA accumulation protein 4	36.02	44.01	18.23	19.04	2.15	1.10	0.00	0.00	up
PCI_5525	Nucleolar protein 56	197.63	221.31	103.98	98.65	2.07	1.05	0.00	0.00	up
PCI_5534	ABC transporter ATP-binding protein/permease YOL075C	4.49	3.80	8.20	8.78	0.49	-1.03	0.00	0.00	down
PCI_5539	Hypothetical protein	0.25	0.16	1.16	1.21	0.17	-2.56	0.00	0.00	down
PCI_5548	C2H2 finger domain transcription factor dvrA	23.40	16.11	70.29	62.41	0.30	-1.75	0.00	0.00	down
PCI_5549	Hypothetical protein	75.03	100.91	311.50	359.14	0.26	-1.93	0.00	0.00	down
PCI_5550	Hypothetical protein	28.99	19.75	54.32	49.04	0.47	-1.08	0.00	0.00	down
PCI_5556	Hypothetical protein	0.56	0.60	2.31	2.72	0.23	-2.12	0.00	0.00	down
PCI_5559	Hypothetical protein	39.83	31.39	203.78	286.49	0.15	-2.78	0.00	0.00	down
PCI_5567	cupin domain protein	7.83	3.85	2.66	2.59	2.22	1.15	0.00	0.01	up
PCI_5569	Hypothetical protein	8.30	7.34	16.64	15.64	0.48	-1.05	0.00	0.00	down
PCI_5570	Hypothetical protein	30.21	23.09	55.77	64.09	0.44	-1.17	0.00	0.00	down
PCI_5571	FAD-dependent monooxygenase OpS4	6.92	2.14	0.12	0.11	40.15	5.33	0.00	0.00	up
PCI_5584	Hypothetical protein	11.28	9.79	23.37	22.97	0.45	-1.14	0.00	0.00	down
PCI_5606	Hydroxymethylglutaryl-CoA synthase MYCGRDRAFT_54740	192.15	189.29	42.48	41.76	4.53	2.18	0.00	0.00	up
PCI_5607	L-lysine 6-monooxygenase/L-ornithine 5-monooxygenase	5.27	2.64	16.00	19.58	0.22	-2.17	0.00	0.00	down
PCI_5608	High-affinity glucose transporter HXT2	11.87	3.54	41.08	34.38	0.20	-2.29	0.00	0.00	down
PCI_5613	polyol transporter 6	1.47	1.12	8.55	9.26	0.15	-2.78	0.00	0.00	down
PCI_5614	Disulfide-bond oxidoreductase YfcG	115.88	57.17	280.89	310.40	0.29	-1.77	0.00	0.00	down
PCI_5616	Autophagy-related protein 22	5.24	3.68	15.50	21.51	0.24	-2.05	0.00	0.00	down
PCI_5621	Hypothetical protein	21.10	21.67	55.25	56.91	0.38	-1.39	0.00	0.00	down

PCI_5623	Ubiquitin carboxyl-terminal hydrolase 16	9.83	11.17	23.81	24.92	0.43	-1.21	0.00	0.00	down
PCI_5631	protein AFUA_5G13800	58.91	62.47	21.42	31.03	2.31	1.21	0.00	0.00	up
PCI_5633	glucan endo-1,3-beta-glucosidase ARB_02077	38.94	54.32	16.62	18.49	2.66	1.41	0.00	0.00	up
PCI_5634	Killer toxin subunits alpha/beta	20.98	31.45	4.43	4.45	5.90	2.56	0.00	0.00	up
PCI_5642	Hypothetical protein	20.05	20.38	6.70	7.29	2.89	1.53	0.00	0.00	up
PCI_5643	MFS transporter L2	7.16	5.64	2.82	2.44	2.43	1.28	0.00	0.00	up
PCI_5644	Hypothetical protein	33.63	30.37	0.06	0.07	510.23	8.99	0.00	0.00	up
PCI_5645	Short-chain dehydrogenase/reductase prx7	44.60	54.08	1.48	1.45	33.57	5.07	0.00	0.00	up
PCI_5646	Short-chain dehydrogenase/reductase prx6	67.57	79.22	0.26	0.50	192.99	7.59	0.00	0.00	up
PCI_5647	MFS-type transporter prx5	57.32	62.99	0.73	0.82	77.50	6.28	0.00	0.00	up
PCI_5657	FAD-binding monooxygenase aflW	0.09	0.12	0.58	0.68	0.17	-2.59	0.00	0.00	down
PCI_5658	Dimethyl-sulfide monooxygenase	8.51	4.84	23.75	24.36	0.28	-1.85	0.00	0.00	down
PCI_5659	band 7 family protein R614	44.15	36.17	87.71	104.51	0.42	-1.26	0.00	0.00	down
PCI_5663	Nucleolar protein 58	189.56	230.71	93.55	92.73	2.26	1.17	0.00	0.00	up
PCI_5671	ATP-dependent rRNA helicase spb4	20.95	21.43	9.71	9.52	2.20	1.14	0.00	0.00	up
PCI_5678	Malonate--CoA ligase	1.09	0.88	0.12	0.20	6.26	2.65	0.00	0.00	up
PCI_5680	aldose 1-epimerase ARB_05372	23.59	19.08	69.08	76.65	0.29	-1.77	0.00	0.00	down
PCI_5684	Protein EPD1	35.56	23.49	85.98	88.12	0.34	-1.56	0.00	0.00	down
PCI_5685	Hypothetical protein	56.60	17.82	110.65	127.73	0.31	-1.68	0.03	0.05	down
PCI_5689	Hypothetical protein	85.11	49.11	27.64	31.67	2.26	1.18	0.00	0.00	up
PCI_5690	Galactan endo-beta-1,3-galactanase	3.08	2.16	0.31	0.52	6.32	2.66	0.00	0.00	up
PCI_5693	fungal specific transcription factor	0.01	0.00	0.70	0.91	0.01	-6.76	0.00	0.00	down
PCI_5707	Hypothetical protein	197.83	84.77	400.47	353.33	0.37	-1.42	0.00	0.00	down

PCI_5708	Protein pns1	14.18	13.19	60.84	60.95	0.22	-2.15	0.00	0.00	down
PCI_5712	Efflux pump FUB11	21.74	10.83	81.10	69.53	0.22	-2.21	0.00	0.00	down
PCI_5720	Hypothetical protein	83.89	63.08	190.21	172.47	0.41	-1.30	0.00	0.00	down
PCI_5721	Protein of unknown function DUF3292	1.41	1.10	12.75	14.90	0.09	-3.46	0.00	0.00	down
PCI_5722	Crossover junction endonuclease mus81	7.77	5.31	15.05	12.72	0.47	-1.09	0.00	0.00	down
PCI_5723	copper-transporting ATPase HMA5	5.63	4.15	10.58	9.03	0.50	-1.00	0.00	0.00	down
PCI_5725	Hypothetical protein	21.85	20.39	69.79	70.42	0.30	-1.73	0.00	0.00	down
PCI_5726	sugar phosphate/phosphate translocator At5g11230	94.12	97.96	283.76	252.54	0.36	-1.48	0.00	0.00	down
PCI_5728	Hypothetical protein	3.63	2.72	8.84	9.09	0.35	-1.50	0.00	0.00	down
PCI_5741	Disulfide-bond oxidoreductase YghU	374.99	236.66	644.52	765.43	0.43	-1.20	0.00	0.00	down
PCI_5745	Hypothetical protein	33.35	63.75	18.42	19.09	2.59	1.37	0.00	0.00	up
PCI_5748	phosphoketolase	3.92	5.48	19.66	23.68	0.22	-2.21	0.00	0.00	down
PCI_5749	acetate kinase	9.03	9.26	41.42	43.49	0.22	-2.22	0.00	0.00	down
PCI_5757	Hps1-dma1 cluster oxidoreductase toxD	20.46	10.15	31.66	36.38	0.45	-1.15	0.00	0.00	down
PCI_5763	NADP-dependent alcohol dehydrogenase 6	15.60	10.39	1.57	2.36	6.61	2.73	0.00	0.00	up
PCI_5769	Fork-head transcriptional regulator 2	11.99	8.14	38.96	30.99	0.29	-1.80	0.00	0.00	down
PCI_5779	Methionine synthase	75.01	95.41	16.44	20.10	4.66	2.22	0.00	0.00	up
PCI_5791	Tyrosine-protein phosphatase cdcA	53.99	40.38	98.02	92.21	0.50	-1.01	0.00	0.00	down
PCI_5795	Dihydroxyacetone kinase	0.43	0.41	0.11	0.17	2.99	1.58	0.02	0.04	up
PCI_5800	Lipid droplet phospholipase 1	51.92	70.62	24.83	31.93	2.16	1.11	0.00	0.00	up
PCI_5804	short chain dehydrogenase	2.92	2.44	6.62	6.84	0.40	-1.33	0.00	0.00	down
PCI_5811	oxidoreductase SadH	0.77	0.63	3.08	3.18	0.22	-2.16	0.00	0.00	down
PCI_5819	integral membrane protein PTH11	102.53	81.76	15.98	13.04	6.35	2.67	0.00	0.00	up
PCI_5820	Cytochrome P450 monooxygenase pkfB	151.07	112.63	37.18	47.11	3.13	1.65	0.00	0.00	up

PCI_5821	Inosine-5'-monophosphate dehydrogenase	249.02	254.75	127.72	116.64	2.06	1.04	0.00	0.00	up
PCI_5823	40S ribosomal protein S21	1495.21	1632.87	845.47	718.42	2.00	1.00	0.00	0.00	up
PCI_5826	Hypothetical protein	3.04	3.08	5.32	7.80	0.47	-1.10	0.00	0.00	down
PCI_5829	MFS siderochrome iron transporter 1	9.34	15.57	25.87	24.59	0.49	-1.02	0.00	0.01	down
PCI_5830	Serine/threonine-protein kinase srk1	27.95	47.63	99.28	91.80	0.40	-1.34	0.00	0.00	down
PCI_5851	Protein of unknown function DUF3669, zinc finger protein	1.43	1.50	3.80	3.84	0.38	-1.39	0.00	0.00	down
PCI_5856	F-box/LRR-repeat protein 7	10.62	7.38	37.08	37.71	0.24	-2.06	0.00	0.00	down
PCI_5859	Zn2Cys6 transcription factor	3.32	3.33	7.35	7.75	0.44	-1.18	0.00	0.00	down
PCI_5867	Dicer-like protein 2	3.38	1.93	6.51	6.68	0.40	-1.31	0.00	0.00	down
PCI_5877	Pal1 cell morphology	34.76	16.78	152.67	129.53	0.18	-2.45	0.00	0.00	down
PCI_5880	Dimethylaniline monooxygenase	2.87	12.59	38.86	38.73	0.20	-2.33	0.02	0.04	down
PCI_5882	TPA: Zn(II)2Cys6 transcription factor (Eurofung)	1.43	1.41	4.70	4.69	0.30	-1.73	0.00	0.00	down
PCI_5885	2,5-diketo-D-gluconic acid reductase A	0.15	0.04	0.62	0.55	0.16	-2.62	0.01	0.02	down
PCI_5886	L-rhamnose-1-dehydrogenase	0.11	0.14	0.59	0.95	0.17	-2.59	0.00	0.01	down
PCI_5888	fructose-bisphosphate aldolase	0.00	0.03	0.57	0.72	0.02	-5.47	0.00	0.00	down
PCI_5889	Lactonohydrolase oryL	0.39	0.36	1.53	1.33	0.26	-1.95	0.00	0.01	down
PCI_5890	MFS-type transporter oryC	0.28	0.29	0.62	0.98	0.36	-1.48	0.02	0.03	down
PCI_5892	Hypothetical protein	11.16	11.41	2.37	1.68	5.57	2.48	0.00	0.00	up
PCI_5893	protein R665	4.85	5.24	1.23	1.03	4.46	2.16	0.00	0.00	up
PCI_5896	Lactose permease	1.17	1.32	5.19	4.63	0.25	-1.98	0.00	0.00	down
PCI_5900	Protein secE/sec61-gamma protein	0.16	0.03	0.82	0.53	0.14	-2.86	0.01	0.01	down
PCI_5911	Arylacetamide deacetylase-like 3	0.12	0.00	0.63	0.84	0.08	-3.67	0.02	0.03	down
PCI_5912	Hypothetical protein	0.00	0.00	0.84	0.46	0.00	-12.66	0.00	0.00	down

PCI_5913	Monoamine oxidase N	6.79	5.05	9.63	14.92	0.48	-1.05	0.00	0.00	down
PCI_5914	Versiconal hemiacetal acetate reductase	2.56	1.51	5.41	6.35	0.35	-1.53	0.00	0.00	down
PCI_5915	MFS-type transporter C1683.03c	0.75	0.53	2.24	3.00	0.24	-2.03	0.00	0.00	down
PCI_5919	Major facilitator superfamily domain, general substrate transporter	0.44	0.21	2.99	2.35	0.12	-3.04	0.00	0.00	down
PCI_5923	Hypothetical protein	0.86	0.30	2.11	2.88	0.23	-2.10	0.00	0.00	down
PCI_5924	Fungal Zn2-Cys6 binuclear cluster domain-containing protein	0.75	0.60	2.09	3.12	0.26	-1.95	0.00	0.00	down
PCI_5926	x-pro dipeptidyl-peptidase c-terminal non-catalytic domain-containing protein	0.33	0.19	1.17	1.34	0.21	-2.27	0.00	0.00	down
PCI_5933	snoaL-like domain-containing protein	2.63	1.53	4.18	4.40	0.48	-1.04	0.03	0.05	down
PCI_5944	Adenine deaminase	1.26	1.37	4.77	7.43	0.22	-2.22	0.00	0.00	down
PCI_5950	Alpha-glucosides permease MPH2	0.12	0.12	0.77	1.36	0.11	-3.17	0.00	0.00	down
PCI_5959	Initiation factor 2B-related	3.00	1.66	5.96	6.16	0.39	-1.38	0.00	0.00	down
PCI_5960	Hypothetical protein	33.42	36.64	8.56	6.90	4.53	2.18	0.00	0.00	up
PCI_5961	Peptidoglycan-binding Lysin subgroup	2.92	3.52	1.58	0.71	2.81	1.49	0.01	0.02	up
PCI_5962	Chitotriosidase-1	1.40	2.38	0.34	0.30	5.94	2.57	0.00	0.00	up
PCI_5964	acyl-CoA desaturase	4.27	3.10	24.23	21.81	0.16	-2.64	0.00	0.00	down
PCI_5969	Podospira anserina S mat genomic DNA chromosome 2, supercontig 2	11.99	11.30	23.98	26.46	0.46	-1.11	0.00	0.00	down
PCI_5970	NPP1 domain protein	5.47	5.76	12.90	16.76	0.38	-1.40	0.00	0.00	down
PCI_5971	Subtilisin-like serine protease Pen c 1	566.19	552.96	1064.70	1599.76	0.42	-1.25	0.00	0.00	down
PCI_5973	isomerase slr1019	1.20	0.55	3.23	3.99	0.24	-2.05	0.00	0.00	down
PCI_5978	RNA 3'-terminal phosphate cyclase-like protein	37.66	45.49	16.83	15.40	2.58	1.37	0.00	0.00	up
PCI_5979	Malic acid transport protein	176.69	125.28	12.13	9.43	14.00	3.81	0.00	0.00	up

PCI_5980	Hypothetical protein	161.60	127.88	14.56	18.16	8.85	3.15	0.00	0.00	up
PCI_5991	Pirin	47.87	46.21	23.05	21.16	2.13	1.09	0.00	0.00	up
PCI_5995	Protein csx2	16.34	14.09	31.58	30.16	0.49	-1.02	0.00	0.00	down
PCI_5996	Zinc finger CCCH domain-containing protein 45	74.89	63.44	214.37	216.23	0.32	-1.64	0.00	0.00	down
PCI_5997	Hypothetical protein	26.25	21.86	93.42	83.87	0.27	-1.88	0.00	0.00	down
PCI_5999	Phosphatidylinositol 4-kinase STT4	15.61	14.60	49.29	42.50	0.33	-1.60	0.00	0.00	down
PCI_6005	Protein pxr1	92.11	92.36	29.85	32.68	2.95	1.56	0.00	0.00	up
PCI_6010	Alkyl/aryl-sulfatase BDS1	3.86	0.56	15.05	14.91	0.15	-2.76	0.02	0.04	down
PCI_6016	Hypothetical protein	1.49	1.43	4.79	5.29	0.29	-1.79	0.00	0.00	down
PCI_6018	secreted glycosidase ARB_07629	2.90	3.20	14.99	17.07	0.19	-2.39	0.00	0.00	down
PCI_6023	Carboxylesterase patB	20.04	17.81	64.71	62.11	0.30	-1.74	0.00	0.00	down
PCI_6026	GPI-anchored hemophore cfmA	104.61	212.40	90.60	61.26	2.09	1.06	0.00	0.01	up
PCI_6030	Efflux pump himE	24.96	29.12	67.55	67.34	0.40	-1.32	0.00	0.00	down
PCI_6035	Acetyl-CoA acetyltransferase A, mitochondrial	42.04	38.68	87.49	81.48	0.48	-1.07	0.00	0.00	down
PCI_6041	U3 small nucleolar ribonucleoprotein Lcp5	59.58	75.87	22.09	22.08	3.07	1.62	0.00	0.00	up
PCI_6042	Hypothetical protein	6.22	18.11	55.73	66.36	0.20	-2.33	0.00	0.00	down
PCI_6043	Dimethylaniline monooxygenase	5.62	13.45	48.89	54.80	0.18	-2.44	0.00	0.00	down
PCI_6047	Hypothetical protein	2.02	1.34	0.20	0.31	6.63	2.73	0.00	0.00	up
PCI_6051	transcriptional regulatory protein C3C7.04	3.47	3.35	7.63	7.92	0.44	-1.19	0.00	0.00	down
PCI_6052	Chitin synthase C	69.12	108.33	44.05	35.61	2.23	1.16	0.00	0.00	up
PCI_6053	Secoisolariciresinol dehydrogenase	29.87	52.16	68.40	97.01	0.50	-1.01	0.01	0.02	down
PCI_6055	Aspartate aminotransferase, cytoplasmic	13.60	18.31	5.31	5.49	2.96	1.56	0.00	0.00	up
PCI_6057	Cell wall protein phiA	218.21	429.56	73.91	79.24	4.23	2.08	0.00	0.00	up
PCI_6059	Dicarboxylic amino acid permease	6.94	9.79	1.32	1.25	6.52	2.70	0.00	0.00	up
PCI_6060	Methyltransferase pytC	47.73	62.50	16.80	22.98	2.77	1.47	0.00	0.00	up

PCI_6072	Carboxy-cis,cis-muconate cyclase	18.02	23.12	3.41	3.52	5.94	2.57	0.00	0.00	up
PCI_6073	Catechol 1,2-dioxygenase	55.54	57.35	3.47	3.43	16.37	4.03	0.00	0.00	up
PCI_6074	Hypothetical protein	23.77	29.90	9.15	7.57	3.21	1.68	0.00	0.00	up
PCI_6077	Peptidase M20 domain-containing protein 2	3.36	2.53	11.63	10.75	0.26	-1.93	0.00	0.00	down
PCI_6079	Acyl-CoA N-acyltransferase	0.96	0.74	3.79	2.59	0.27	-1.90	0.00	0.00	down
PCI_6080	Secondary metabolism regulator laeA	16.80	16.12	3.10	5.14	3.99	2.00	0.00	0.00	up
PCI_6081	endopolygalacturonase A	593.68	406.26	1.88	2.50	228.31	7.83	0.00	0.00	up
PCI_6082	Hypothetical protein	61.02	60.77	29.13	27.15	2.16	1.11	0.00	0.00	up
PCI_6084	Hypothetical protein	44.25	57.42	132.86	262.96	0.26	-1.96	0.00	0.00	down
PCI_6085	Aspergillopepsin-2	1434.14	712.58	3699.78	4506.58	0.26	-1.93	0.00	0.00	down
PCI_6086	Positive regulator of purine utilization	1.76	0.66	8.38	10.73	0.13	-2.98	0.00	0.00	down
PCI_6087	permease C29B12.14c	0.43	0.32	1.05	1.05	0.36	-1.47	0.00	0.00	down
PCI_6089	beta-glucuronidase	13.10	10.09	30.15	25.78	0.41	-1.27	0.00	0.00	down
PCI_6092	Para-nitrophenol 4-monooxygenase	0.91	0.41	3.13	2.96	0.22	-2.20	0.00	0.00	down
PCI_6093	Hypothetical protein	1.38	1.30	5.59	6.20	0.23	-2.14	0.00	0.00	down
PCI_6096	Phenol hydroxylase	0.31	0.13	1.09	1.10	0.20	-2.32	0.00	0.00	down
PCI_6097	Hypothetical protein	0.16	0.15	0.69	0.47	0.27	-1.90	0.01	0.01	down
PCI_6100	protocatechuate 3,4-dioxygenase beta subunit	0.31	0.15	0.00	0.00	2338.28	11.19	0.00	0.01	up
PCI_6102	Efflux pump dotC	16.91	19.13	6.15	6.36	2.88	1.53	0.00	0.00	up
PCI_6107	Methylsterol monooxygenase	355.48	297.91	102.37	104.00	3.17	1.66	0.00	0.00	up
PCI_6112	tRNA-specific adenosine deaminase subunit tad2	13.84	13.54	6.44	6.71	2.08	1.06	0.00	0.00	up
PCI_6117	amidase C550.07	153.39	95.33	15.66	24.62	6.18	2.63	0.00	0.00	up
PCI_6118	S-(hydroxymethyl)glutathione dehydrogenase	46.15	25.77	0.29	0.19	149.40	7.22	0.00	0.00	up
PCI_6119	Hypothetical protein	13.94	8.75	83.30	75.08	0.14	-2.80	0.00	0.00	down
PCI_6125	Cobalt uptake protein COT1	2.85	0.93	7.45	6.35	0.27	-1.87	0.00	0.00	down
PCI_6126	Phosphoglycolate phosphatase	99.50	94.99	542.13	546.99	0.18	-2.49	0.00	0.00	down

PCI_6127	pterin-4-alpha-carbinolamine dehydratase	31.91	36.60	306.19	267.81	0.12	-3.07	0.00	0.00	down
PCI_6128	MFS transporter asaE	25.57	20.70	141.55	132.02	0.17	-2.56	0.00	0.00	down
PCI_6129	Hypothetical protein	5.98	5.21	199.47	182.87	0.03	-5.09	0.00	0.00	down
PCI_6130	ARM repeat-containing protein	0.06	0.12	0.51	0.64	0.16	-2.67	0.02	0.04	down
PCI_6131	Short-chain dehydrogenase/reductase pkfC	2.69	1.07	8.79	9.27	0.21	-2.26	0.00	0.00	down
PCI_6133	L-arginine:L-lysine amidinotransferase	7.93	3.40	24.30	25.64	0.23	-2.14	0.00	0.00	down
PCI_6134	D-alanine--D-alanine ligase	131.75	115.66	44.65	40.40	2.91	1.54	0.00	0.00	up
PCI_6135	Hypothetical protein	17.49	15.04	2.49	3.47	5.46	2.45	0.00	0.00	up
PCI_6137	transcriptional regulatory protein C1683.13c	2.75	1.97	5.49	4.52	0.47	-1.09	0.00	0.00	down
PCI_6140	Hercynylcysteine sulfoxide lyase	1.37	0.77	4.67	4.34	0.24	-2.07	0.00	0.00	down
PCI_6141	Major facilitator superfamily transporter	2.42	2.36	56.89	42.31	0.05	-4.38	0.00	0.00	down
PCI_6144	Xylan 1,4-beta-xylosidase	0.10	0.14	0.34	0.36	0.35	-1.51	0.02	0.04	down
PCI_6150	NADPH dehydrogenase C23G7.10c	154.99	87.05	258.09	275.39	0.45	-1.14	0.00	0.00	down
PCI_6151	Hypothetical protein	7.50	1.00	25.73	25.82	0.16	-2.60	0.00	0.00	down
PCI_6155	Phenylacetate 2-hydroxylase	30.18	26.95	8.30	10.05	3.11	1.64	0.00	0.00	up
PCI_6156	Efflux pump atB	0.92	0.50	3.42	2.84	0.23	-2.15	0.00	0.00	down
PCI_6157	Metal tolerance protein 5	12.05	8.40	23.63	24.10	0.43	-1.22	0.00	0.00	down
PCI_6161	25S rRNA (cytosine-C(5))-methyltransferase nop2	65.52	76.40	20.97	22.59	3.26	1.70	0.00	0.00	up
PCI_6163	Deoxyhypusine synthase	20.93	23.68	5.97	6.67	3.53	1.82	0.00	0.00	up
PCI_6172	L-arabinitol 4-dehydrogenase	0.35	0.13	1.45	1.97	0.14	-2.83	0.00	0.00	down
PCI_6175	Transcription factor vrtR1	1.97	1.65	3.44	4.17	0.48	-1.07	0.00	0.00	down
PCI_6176	beta-glucosidase I	22.96	20.24	7.24	7.51	2.93	1.55	0.00	0.00	up
PCI_6177	Mannitol 2-dehydrogenase	225.79	274.73	131.21	112.65	2.05	1.04	0.00	0.00	up
PCI_6178	Hypothetical protein	6.09	2.67	9.82	10.56	0.43	-1.22	0.01	0.01	down
PCI_6181	Methyltransferase-like protein 25	6.47	7.43	3.43	3.20	2.09	1.07	0.00	0.00	up

PCI_6187	Hypothetical protein	4.31	2.65	11.74	13.27	0.28	-1.85	0.00	0.00	down
PCI_6189	Efflux pump FUB11	111.12	81.27	9.27	9.60	10.19	3.35	0.00	0.00	up
PCI_6191	Hypothetical protein	3.71	3.34	1.40	1.75	2.24	1.16	0.00	0.00	up
PCI_6194	serine peptidase, family S28	6.17	5.41	56.66	43.37	0.12	-3.11	0.00	0.00	down
PCI_6216	Xylosidase/arabinoxidase	2.03	0.66	0.21	0.46	4.03	2.01	0.01	0.03	up
PCI_6217	MFS transporter	154.17	66.49	41.75	56.97	2.24	1.16	0.00	0.00	up
PCI_6222	zinc-type alcohol dehydrogenase-like protein YbdR	0.50	0.07	3.96	5.01	0.06	-3.96	0.00	0.00	down
PCI_6223	Alcohol dehydrogenase	1.47	0.49	9.41	9.62	0.10	-3.29	0.00	0.00	down
PCI_6255	Agnestins biosynthesis cluster transcription factor AgnL10	8.57	6.67	66.70	88.29	0.10	-3.35	0.00	0.00	down
PCI_6256	Agnestins biosynthesis cluster transcriptional coactivator AgnL9	3.90	4.15	32.61	50.72	0.10	-3.37	0.00	0.00	down
PCI_6257	Atrochrysone carboxylic acid synthase Agnpks1	0.17	0.12	2.68	3.40	0.05	-4.43	0.00	0.00	down
PCI_6258	decarboxylase notQ	0.21	0.00	3.65	7.72	0.02	-5.73	0.00	0.00	down
PCI_6259	Anthrone oxygenase AgnL2	0.00	0.00	2.59	3.86	0.00	-11.91	0.00	0.00	down
PCI_6260	Methyltransferase ptaH	0.02	0.00	2.74	2.08	0.00	-7.88	0.00	0.00	down
PCI_6261	Oxidoreductase ptaF	0.03	0.00	5.53	7.06	0.00	-8.63	0.00	0.00	down
PCI_6262	FAD-dependent monooxygenase CPUR_05423	0.09	0.03	4.19	4.21	0.02	-6.04	0.00	0.00	down
PCI_6263	Efflux pump notK	0.35	0.65	2.91	2.78	0.18	-2.51	0.00	0.00	down
PCI_6264	Dehydrocurvularin biosynthesis regulator	3.89	1.89	6.15	7.77	0.42	-1.27	0.00	0.00	down
PCI_6265	Monooxygenase AgnL5	0.00	0.00	1.41	2.16	0.00	-14.12	0.00	0.00	down
PCI_6267	Baeyer-Villiger oxidase AgnL3	0.98	0.88	6.93	8.10	0.12	-3.01	0.00	0.00	down
PCI_6268	Short chain dehydrogenase CPUR_05429	0.15	0.14	18.52	19.31	0.01	-7.03	0.00	0.00	down
PCI_6269	Atrochrysone carboxyl ACP thioesterase AgnL7	0.33	0.36	10.67	14.51	0.03	-5.20	0.00	0.00	down
PCI_6270	Monooxygenase AgnL5	0.76	0.73	6.52	7.77	0.10	-3.25	0.00	0.00	down

PCI_6272	Cytochrome P450 monooxygenase atnE	67.55	36.20	243.59	244.78	0.21	-2.23	0.00	0.00	down
PCI_6282	Mitogen-activated protein kinase hog1	5.15	5.02	21.65	24.67	0.22	-2.19	0.00	0.00	down
PCI_6283	Sensor histidine kinase GacS	1.28	1.26	3.86	5.73	0.27	-1.91	0.00	0.00	down
PCI_6293	Hypothetical protein	16.87	10.68	5.65	6.73	2.23	1.15	0.00	0.00	up
PCI_6295	Aminotransferase	118.50	89.52	25.42	34.99	3.44	1.78	0.00	0.00	up
PCI_6301	Pre-rRNA-processing protein ipi1	31.01	36.43	7.72	9.13	4.00	2.00	0.00	0.00	up
PCI_6303	Hypothetical protein	20.15	8.28	3.14	3.67	4.18	2.06	0.00	0.00	up
PCI_6309	Hypothetical protein	32.51	32.52	0.83	1.18	32.39	5.02	0.00	0.00	up
PCI_6310	Transporter	5.04	3.97	1.14	1.42	3.52	1.81	0.00	0.00	up
PCI_6313	Alcohol dehydrogenase	89.84	51.41	215.09	212.97	0.33	-1.60	0.00	0.00	down
PCI_6314	3-dehydroshikimate dehydratase	0.43	0.37	1.60	1.50	0.26	-1.96	0.00	0.00	down
PCI_6340	lysosomal cobalamin transporter	15.11	11.02	33.20	32.39	0.40	-1.33	0.00	0.00	down
PCI_6342	Protein pacG	34.47	20.56	141.42	136.32	0.20	-2.34	0.00	0.00	down
PCI_6343	Beta-hexosaminidase	15.45	11.82	27.51	30.33	0.47	-1.08	0.00	0.00	down
PCI_6344	Glucosamine-6-phosphate isomerase 1	19.35	19.93	100.99	102.61	0.19	-2.37	0.00	0.00	down
PCI_6346	Choline oxidase	172.77	212.52	78.87	76.98	2.47	1.31	0.00	0.00	up
PCI_6347	N-acetylglucosamine-6-phosphate deacetylase	32.24	29.76	190.68	180.56	0.17	-2.58	0.00	0.00	down
PCI_6348	UNC93-like protein C922.05c	13.66	6.82	57.49	50.86	0.19	-2.40	0.00	0.00	down
PCI_6350	Dye-decolorizing peroxidase msp1	57.03	65.98	0.47	1.01	82.96	6.37	0.00	0.00	up
PCI_6351	Galactose oxidase	67.85	74.33	0.25	0.25	281.07	8.13	0.00	0.00	up
PCI_6354	Hypothetical protein	1.97	0.88	4.46	4.94	0.30	-1.72	0.00	0.00	down
PCI_6355	ankyrin repeat protein	4.39	2.05	0.69	0.86	4.13	2.05	0.00	0.00	up
PCI_6359	Ankyrin-1	0.79	0.85	2.25	1.44	0.44	-1.17	0.01	0.02	down
PCI_6362	MFS-type transporter cnsO	1.28	0.61	2.50	2.93	0.35	-1.52	0.00	0.01	down
PCI_6370	C6 transcription factor	1.53	1.11	4.22	4.71	0.30	-1.76	0.00	0.00	down
PCI_6382	protein required for cell viability Rrp17	34.79	42.47	10.41	12.12	3.43	1.78	0.00	0.00	up

PCI_6387	Hypothetical protein	2.66	2.84	0.29	0.43	7.68	2.94	0.00	0.00	up
PCI_6388	integral membrane protein	0.68	1.22	0.00	0.00	9504.38	13.21	0.00	0.00	up
PCI_6392	Mitochondrial import inner membrane translocase subunit tim16	115.71	136.30	45.54	50.36	2.63	1.39	0.00	0.00	up
PCI_6396	Delta(14)-sterol reductase	56.63	52.76	6.29	5.98	8.92	3.16	0.00	0.00	up
PCI_6401	3-ketoacyl-CoA thiolase, peroxisomal	51.69	60.39	9.58	8.94	6.05	2.60	0.00	0.00	up
PCI_6405	Hypothetical protein	52.69	58.25	28.38	25.61	2.05	1.04	0.00	0.00	up
PCI_6406	Polyol transporter 5	1.11	1.28	17.65	20.20	0.06	-3.98	0.00	0.00	down
PCI_6407	Hexokinase-1	31.24	23.74	140.77	123.20	0.21	-2.26	0.00	0.00	down
PCI_6409	Cofilin	27.23	30.53	77.23	105.97	0.32	-1.67	0.00	0.00	down
PCI_6410	FAD-dependent oxidoreductase oblC	0.09	0.03	0.66	0.89	0.08	-3.69	0.00	0.00	down
PCI_6412	Highly reducing polyketide synthase azaB	0.72	0.56	2.28	2.09	0.29	-1.77	0.00	0.00	down
PCI_6413	Hypothetical protein	54.64	58.54	154.87	122.65	0.41	-1.29	0.00	0.00	down
PCI_6419	alpha,alpha-trehalose-phosphate synthase	12.84	16.51	30.22	30.01	0.49	-1.04	0.00	0.00	down
PCI_6420	Hypothetical protein	44.08	67.31	19.86	19.02	2.87	1.52	0.00	0.00	up
PCI_6425	cation exchanger C3A12.06c	11.09	8.93	24.87	23.16	0.42	-1.26	0.00	0.00	down
PCI_6426	glutamine amidotransferase-like protein C13C5.04	2.52	1.05	15.68	15.42	0.11	-3.12	0.00	0.00	down
PCI_6437	Nucleolar protein 12	47.10	55.38	15.78	17.48	3.08	1.62	0.00	0.00	up
PCI_6439	Hypothetical protein	10.61	8.21	19.71	27.13	0.40	-1.32	0.00	0.00	down
PCI_6440	Monoxygenase AgnR1	47.49	28.05	98.47	99.77	0.38	-1.39	0.00	0.00	down
PCI_6449	RNA polymerase Rpb1 C-terminal repeat domain protein	45.36	43.59	14.72	20.72	2.51	1.33	0.00	0.00	up
PCI_6450	Hypothetical protein	34.89	38.68	12.91	12.41	2.91	1.54	0.00	0.00	up
PCI_6459	nucleolar complex protein 14	30.35	33.06	8.66	9.51	3.49	1.80	0.00	0.00	up
PCI_6462	Cutinase transcription factor 1 beta	6.86	9.56	17.72	16.12	0.49	-1.04	0.00	0.00	down
PCI_6470	Imidazolonepropionase and related amidohydrolases	0.86	0.87	3.72	2.43	0.28	-1.83	0.00	0.00	down
PCI_6482	Regulator of ribosome	83.17	90.63	27.29	30.58	3.00	1.59	0.00	0.00	up

	biosynthesis									
PCI_6485	Norsolorinic acid reductase B	116.56	54.18	30.94	29.70	2.82	1.49	0.00	0.00	up
PCI_6490	Hypothetical protein	0.78	0.59	0.35	0.34	2.00	1.00	0.00	0.01	up
PCI_6492	MFS-type transporter pytF	0.04	0.03	0.34	0.19	0.14	-2.86	0.02	0.03	down
PCI_6494	Sodium transport ATPase 2	1.10	1.15	4.56	4.59	0.25	-2.02	0.00	0.00	down
PCI_6495	DNA-binding protein	165.20	121.67	34.94	32.83	4.23	2.08	0.00	0.00	up
PCI_6498	Hypothetical protein	23.74	17.40	96.82	126.89	0.18	-2.44	0.00	0.00	down
PCI_6500	Nitrogen permease reactivator protein	1.43	1.10	7.08	12.19	0.13	-2.93	0.00	0.00	down
PCI_6501	Sodium/potassium-transporting ATPase subunit alpha-1	0.66	0.47	3.18	8.96	0.09	-3.42	0.00	0.00	down
PCI_6503	ABC multidrug transporter E	4.89	7.83	1.97	2.15	3.09	1.63	0.00	0.00	up
PCI_6505	Hypothetical protein	31.31	24.61	214.85	206.34	0.13	-2.91	0.00	0.00	down
PCI_6506	Hypothetical protein	0.00	0.00	0.65	0.43	0.00	-12.40	0.00	0.00	down
PCI_6507	Hypothetical protein	0.85	1.87	29.73	30.25	0.05	-4.46	0.00	0.00	down
PCI_6508	Para-nitrobenzyl esterase	0.18	0.09	0.70	0.48	0.23	-2.12	0.01	0.01	down
PCI_6521	Highly reducing polyketide synthase azaB	14.44	12.89	48.55	45.15	0.29	-1.78	0.00	0.00	down
PCI_6523	quinate permease	0.55	0.41	4.34	3.84	0.12	-3.09	0.00	0.00	down
PCI_6530	Lactose permease	0.13	0.16	1.56	2.08	0.08	-3.66	0.00	0.00	down
PCI_6534	Dehydrogenase	1.15	0.90	12.36	16.26	0.07	-3.80	0.00	0.00	down
PCI_6535	Notoamide biosynthesis transcriptional activator notL'	2.95	2.97	15.20	15.50	0.19	-2.38	0.00	0.00	down
PCI_6536	Efflux pump notK'	199.08	100.60	37.85	53.93	3.26	1.71	0.00	0.00	up
PCI_6537	Major facilitator superfamily transporter	4.29	1.25	13.56	12.24	0.21	-2.22	0.00	0.00	down
PCI_6539	Terpene cyclase aurD	1.20	0.47	3.17	3.15	0.26	-1.92	0.00	0.00	down
PCI_6548	Hypothetical protein	9.86	8.43	3.85	3.72	2.42	1.27	0.00	0.00	up
PCI_6552	Glutathione hydrolase proenzyme	198.08	123.94	68.41	83.66	2.12	1.08	0.00	0.00	up
PCI_6553	Cytochrome P450 monooxygenase aflU	32.88	27.24	10.40	15.79	2.29	1.20	0.00	0.00	up
PCI_6554	Short-chain dehydrogenase/reductase	2.72	0.54	0.15	0.46	5.34	2.42	0.01	0.02	up

	bsc3									
PCI_6555	Hydroxylase/desaturase CTB9	1.79	0.31	0.15	0.15	7.05	2.82	0.01	0.03	up
PCI_6557	MFS transporter cpaT	27.11	25.83	7.68	12.07	2.68	1.42	0.00	0.00	up
PCI_6559	Hypothetical protein	46.76	62.23	14.20	13.99	3.87	1.95	0.00	0.00	up
PCI_6568	Hypothetical protein	28.18	28.36	8.01	8.33	3.46	1.79	0.00	0.00	up
PCI_6570	ankyrin repeat protein RF_0381	2.82	2.50	5.23	5.83	0.48	-1.06	0.00	0.00	down
PCI_6580	ABC multidrug transporter atrB	22.40	27.30	3.08	3.72	7.31	2.87	0.00	0.00	up
PCI_6583	FAD-dependent monooxygenase sdnN	92.08	77.90	225.26	189.88	0.41	-1.29	0.00	0.00	down
PCI_6588	Sulfite reductase	104.00	118.01	47.51	51.99	2.23	1.16	0.00	0.00	up
PCI_6592	Major facilitator superfamily multidrug transporter FLU1	18.19	34.36	10.16	9.91	2.62	1.39	0.00	0.00	up
PCI_6594	Galactosyl transferase	0.17	0.04	0.47	0.51	0.21	-2.25	0.01	0.01	down
PCI_6597	Gephyrin	11.64	15.09	63.42	59.53	0.22	-2.20	0.00	0.00	down
PCI_6598	phospholipase C1020.13c	10.11	8.84	22.60	20.05	0.44	-1.17	0.00	0.00	down
PCI_6599	Hypothetical protein	0.26	0.38	1.05	0.75	0.36	-1.49	0.02	0.04	down
PCI_6600	Phenol hydroxylase	27.14	29.93	10.92	10.21	2.70	1.43	0.00	0.00	up
PCI_6603	integral membrane protein,	5.32	3.95	0.66	0.76	6.56	2.71	0.00	0.00	up
PCI_6608	Concanavalin A-like lectin/glucanase, subgroup	3.85	4.09	0.54	1.40	4.09	2.03	0.00	0.00	up
PCI_6621	Desumoylating isopeptidase 1	16.56	14.59	49.91	46.90	0.32	-1.64	0.00	0.00	down
PCI_6623	Glutathione transporter 1	148.57	62.38	25.76	37.15	3.35	1.75	0.00	0.00	up
PCI_6624	Zn2+ dependent hydrolase	1.21	0.29	0.11	0.08	7.77	2.96	0.01	0.02	up
PCI_6625	Hypothetical protein	2.02	2.13	0.59	1.10	2.46	1.30	0.03	0.05	up
PCI_6632	Tryptophan synthase	0.71	0.32	2.12	2.58	0.22	-2.19	0.00	0.00	down
PCI_6633	NmrA-like family protein	13.73	17.02	1.87	1.29	9.71	3.28	0.00	0.00	up
PCI_6635	FMN-binding split barrel, related	6.17	4.60	9.78	12.75	0.48	-1.06	0.00	0.00	down
PCI_6639	MFS-type transporter C1683.03c	3.81	2.09	0.64	0.33	6.10	2.61	0.00	0.00	up
PCI_6641	GMC oxidoreductase family protein Mala s 12	42.02	34.29	0.14	0.03	432.75	8.76	0.00	0.00	up

PCI_6642	Transporter	13.92	6.62	0.39	0.58	21.00	4.39	0.00	0.00	up
PCI_6643	Amidohydrolase 1	37.95	30.37	1.88	3.01	13.96	3.80	0.00	0.00	up
PCI_6645	NmrA-like family domain-containing protein 1	0.65	0.37	0.02	0.12	7.10	2.83	0.01	0.02	up
PCI_6647	Hypothetical protein	1.10	0.31	2.47	2.89	0.26	-1.93	0.00	0.01	down
PCI_6649	Major Facilitator Superfamily protein	0.30	0.42	0.05	0.08	5.28	2.40	0.02	0.03	up
PCI_6650	FAD-dependent monooxygenase prx3	67.06	70.06	6.53	5.44	11.46	3.52	0.00	0.00	up
PCI_6651	Hypothetical protein	19.83	18.79	0.29	0.25	72.24	6.17	0.00	0.00	up
PCI_6653	Golgi apyrase	38.41	28.11	124.02	124.18	0.27	-1.90	0.00	0.00	down
PCI_6654	Ammonium transporter 1	51.45	17.96	3.39	3.55	10.01	3.32	0.00	0.00	up
PCI_6656	Dihydroxyacetone phosphate acyltransferase	14.95	13.27	26.68	31.56	0.48	-1.05	0.00	0.00	down
PCI_6659	Methylsterol monooxygenase	88.86	73.19	3.77	4.54	19.50	4.29	0.00	0.00	up
PCI_6660	Lipase, class 3	3.79	5.54	1.88	1.84	2.51	1.33	0.00	0.00	up
PCI_6668	Hypothetical protein	0.92	0.77	0.38	0.22	2.85	1.51	0.01	0.03	up
PCI_6675	Hypothetical protein	1.31	1.01	3.17	3.40	0.35	-1.50	0.00	0.01	down
PCI_6679	Hypothetical protein	102.18	97.23	29.06	31.30	3.30	1.72	0.00	0.00	up
PCI_6680	2-oxoglutarate-dependent dioxygenase AFUA_1G01000	5.71	6.64	2.41	3.17	2.21	1.15	0.00	0.00	up
PCI_6697	Alcohol dehydrogenase 1	4.07	4.43	24.38	30.05	0.16	-2.68	0.00	0.00	down
PCI_6698	Aldehyde dehydrogenase	1.06	0.60	8.83	12.32	0.08	-3.67	0.00	0.00	down
PCI_6701	quinone oxidoreductase	144.36	118.66	265.80	268.29	0.49	-1.02	0.00	0.00	down
PCI_6713	transferase	8.38	21.19	5.52	5.61	2.66	1.41	0.00	0.00	up
PCI_6714	Hypothetical protein	7.30	11.26	30.66	31.27	0.30	-1.74	0.00	0.00	down
PCI_6721	ATP-dependent helicase hrq1	3.86	3.16	7.55	7.35	0.47	-1.09	0.00	0.00	down
PCI_6726	Major facilitator superfamily transporter	1.38	1.25	0.51	0.66	2.24	1.16	0.00	0.01	up
PCI_6737	Uricase	127.17	107.62	49.85	63.19	2.08	1.05	0.00	0.00	up
PCI_6741	Amino acid/polyamine transporter I	71.19	49.76	25.25	32.85	2.08	1.06	0.00	0.00	up
PCI_6748	Mannitol-1-phosphate 5-dehydrogenase	73.44	83.53	517.02	552.96	0.15	-2.77	0.00	0.00	down

PCI_6749	Actin cortical patch SUR7/pH-response regulator PalI	48.76	23.36	144.27	132.86	0.26	-1.94	0.00	0.00	down
PCI_6750	inorganic phosphate transporter C1683.01	223.34	265.78	66.74	65.06	3.71	1.89	0.00	0.00	up
PCI_6755	prephenate dehydrogenase	35.10	48.97	19.15	20.53	2.12	1.08	0.00	0.00	up
PCI_6762	Kynureninase 1	16.92	18.35	8.18	8.56	2.11	1.07	0.00	0.00	up
PCI_6774	Hypothetical protein	0.37	0.86	1.96	1.91	0.32	-1.65	0.01	0.02	down
PCI_6775	Acetyl-coenzyme A transferase nodX	1.32	1.66	0.47	0.51	3.06	1.61	0.00	0.00	up
PCI_6780	Inositol oxygenase 1	6.34	17.59	3.71	4.05	3.08	1.62	0.00	0.00	up
PCI_6782	MFS-type transporter oryC	0.00	0.02	4.93	4.62	0.00	-9.18	0.00	0.00	down
PCI_6785	Polygalacturonase 1	23.89	14.77	39.17	41.46	0.48	-1.06	0.00	0.00	down
PCI_6796	Hypothetical protein	26.69	24.85	54.09	52.96	0.48	-1.05	0.00	0.00	down
PCI_6798	Hypothetical protein	18.44	20.20	65.50	77.14	0.27	-1.88	0.00	0.00	down
PCI_6801	protein EN45_007890	19.92	15.55	45.89	43.66	0.40	-1.34	0.00	0.00	down
PCI_6807	Hypothetical protein	1.83	1.41	5.46	5.88	0.29	-1.81	0.00	0.00	down
PCI_6809	FAD-containing monooxygenase EthA	20.89	19.56	9.09	10.74	2.04	1.03	0.00	0.00	up
PCI_6810	Purine-cytosine permease fcyB	142.71	69.51	16.60	20.47	5.72	2.52	0.00	0.00	up
PCI_6823	Hypothetical protein	38.01	46.05	16.43	14.61	2.71	1.44	0.00	0.00	up
PCI_6824	Hypothetical protein	6.05	5.64	0.41	0.28	16.91	4.08	0.00	0.00	up
PCI_6826	Hypothetical protein	22.69	26.74	0.55	0.58	43.65	5.45	0.00	0.00	up
PCI_6827	Glucose-repressible gene protein	91.20	170.74	589.24	1031.30	0.16	-2.63	0.00	0.00	down
PCI_6835	RING finger protein 215	22.21	18.47	48.99	59.78	0.37	-1.42	0.00	0.00	down
PCI_6841	Hypothetical protein	168.74	351.54	3.88	4.21	64.35	6.01	0.00	0.00	up
PCI_6847	Aggestins efflux protein AgnL12	0.16	0.18	0.58	0.48	0.32	-1.62	0.02	0.04	down
PCI_6865	Transcriptional activator ARO80	5.33	4.74	11.39	12.34	0.42	-1.24	0.00	0.00	down
PCI_6875	Serine/threonine-protein kinase KIN4	0.07	0.13	0.63	0.29	0.21	-2.24	0.03	0.05	down
PCI_6879	Ribosome assembly factor mrt4	106.42	117.59	48.32	46.05	2.37	1.25	0.00	0.00	up

PCI_6882	Hypothetical protein	42.77	45.41	2.46	2.48	17.85	4.16	0.00	0.00	up
PCI_6892	proline-specific permease put4	22.42	10.27	4.38	7.19	2.83	1.50	0.00	0.00	up
PCI_6895	Hypothetical protein	64.48	61.91	32.96	29.65	2.02	1.01	0.00	0.00	up
PCI_6898	Hypothetical protein	103.09	125.33	2.02	2.54	50.07	5.65	0.00	0.00	up
PCI_6913	Glutathione S-transferase	46.51	70.21	24.03	21.38	2.57	1.36	0.00	0.00	up
PCI_6922	Hypothetical protein	19.16	6.24	1.90	4.58	3.92	1.97	0.00	0.00	up
PCI_6923	Plasma membrane proteolipid 3	42.23	32.11	87.40	101.74	0.39	-1.35	0.00	0.00	down
PCI_6928	1,4-alpha-glucan-branching enzyme	87.24	83.68	180.73	212.75	0.43	-1.20	0.00	0.00	down
PCI_6930	secreted glycosidase ARB_07629	0.63	0.35	1.00	1.16	0.45	-1.14	0.02	0.04	down
PCI_6931	amidase At4g34880	8.20	5.14	14.76	14.20	0.46	-1.12	0.00	0.00	down
PCI_6933	aldo-keto reductase family protein	37.38	29.22	79.12	78.37	0.42	-1.24	0.00	0.00	down
PCI_6934	2,5-diketo-D-gluconic acid reductase A	30.28	25.69	9.76	11.38	2.65	1.40	0.00	0.00	up
PCI_6936	L-threonate dehydrogenase	7.65	7.88	1.52	1.49	5.17	2.37	0.00	0.00	up
PCI_6938	Hypothetical protein	255.63	100.25	527.10	423.94	0.37	-1.42	0.00	0.00	down
PCI_6941	Quinone oxidoreductase	24.07	11.87	101.45	119.51	0.16	-2.62	0.00	0.00	down
PCI_6942	Hypothetical protein	5.03	1.01	18.06	16.05	0.18	-2.50	0.01	0.03	down
PCI_6944	pectin lyase A	1388.08	1123.48	0.84	1.81	944.71	9.88	0.00	0.00	up
PCI_6973	Hypothetical protein	0.75	0.43	2.50	3.82	0.19	-2.42	0.00	0.00	down
PCI_6983	Hypothetical protein	4.38	3.32	18.04	21.07	0.20	-2.34	0.00	0.00	down
PCI_6988	Major allergen Asp f 2	0.12	0.15	7.97	11.50	0.01	-6.19	0.00	0.00	down
PCI_6990	Anhydro-N-acetylmuramic acid kinase	0.41	0.12	0.87	1.68	0.21	-2.26	0.01	0.01	down
PCI_6991	Low-affinity glucose transporter HXT1	0.09	0.12	0.53	0.66	0.18	-2.49	0.00	0.00	down
PCI_6992	NYN domain, limkain-b1-type	0.00	0.00	0.71	0.13	0.00	-12.03	0.00	0.01	down
PCI_7000	Hypothetical protein	0.72	0.78	1.65	2.06	0.40	-1.31	0.00	0.01	down
PCI_7009	Histidine phosphatase superfamily, clade-2	153.32	120.93	47.54	65.70	2.42	1.28	0.00	0.00	up
PCI_7012	GPI anchored protein	7.95	11.41	1.24	3.44	4.13	2.05	0.00	0.00	up

PCI_7013	Protein of unknown function DUF3431	6.03	5.85	14.76	14.53	0.41	-1.30	0.00	0.00	down
PCI_7015	Pumilio homolog 2	37.40	28.17	89.21	80.43	0.39	-1.37	0.00	0.00	down
PCI_7019	rRNA biogenesis protein rrp36	31.04	36.89	9.76	10.51	3.35	1.74	0.00	0.00	up
PCI_7020	Vegetative incompatibility protein HET-E-1	2.36	1.45	0.62	0.91	2.48	1.31	0.00	0.00	up
PCI_7024	60S ribosomal subunit assembly/export protein loc1	62.86	69.51	18.62	18.23	3.59	1.85	0.00	0.00	up
PCI_7025	esterase YMR210W	17.86	18.33	7.61	7.87	2.34	1.23	0.00	0.00	up
PCI_7027	ABC multidrug transporter atrF	198.79	126.35	44.24	51.14	3.41	1.77	0.00	0.00	up
PCI_7038	Alpha-1,2- mannosyltransferase MNN21	9.72	6.51	32.03	35.59	0.24	-2.06	0.00	0.00	down
PCI_7044	N-lysine methyltransferase setd6	23.33	27.13	8.36	7.95	3.09	1.63	0.00	0.00	up
PCI_7047	Hypothetical protein	9.20	8.87	75.37	66.54	0.13	-2.97	0.00	0.00	down
PCI_7049	Endo-1,4-beta-xylanase A	183.20	185.85	0.01	0.14	2393.04	11.22	0.00	0.00	up
PCI_7050	alpha-L-arabinofuranosidase axhA-1	162.86	163.65	0.25	1.22	222.24	7.80	0.00	0.00	up
PCI_7051	Amidophosphoribosyltransfe rase	61.43	71.42	27.53	27.05	2.43	1.28	0.00	0.00	up
PCI_7053	endonuclease III	1.88	1.97	3.89	4.73	0.45	-1.16	0.00	0.00	down
PCI_7054	pectinesterase A	2.78	1.40	0.09	0.00	46.53	5.54	0.00	0.00	up
PCI_7056	Hypothetical protein	6.15	7.84	14.74	17.53	0.43	-1.21	0.00	0.00	down
PCI_7062	Outer spore wall protein RRT8	8.29	8.73	24.70	27.02	0.33	-1.60	0.00	0.00	down
PCI_7063	General amino acid permease AGP2	10.89	7.70	4.31	4.40	2.13	1.09	0.00	0.00	up
PCI_7065	Hypothetical protein	4.42	7.73	83.65	91.67	0.07	-3.85	0.00	0.00	down
PCI_7066	Hypothetical protein	210.81	113.48	2313.34	2397.02	0.07	-3.86	0.00	0.00	down
PCI_7076	Hypothetical protein	12.01	8.25	37.26	34.66	0.28	-1.83	0.00	0.00	down
PCI_7077	integral membrane protein, Mpv17/PMP22 family	7.69	7.71	17.84	23.23	0.38	-1.41	0.00	0.00	down
PCI_7078	Rieske	72.54	15.45	0.60	0.54	77.42	6.27	0.00	0.00	up
PCI_7080	MFS siderochrome iron	23.27	4.45	0.07	0.13	141.49	7.14	0.00	0.00	up

	transporter 1									
PCI_7081	3-phenylpropionate/cinnamic acid dioxygenase subunit alpha	89.18	28.96	3.59	5.26	13.34	3.74	0.00	0.00	up
PCI_7082	trans-sulfuration enzyme YHR112C	51.96	16.75	0.09	0.09	395.58	8.63	0.00	0.00	up
PCI_7084	Transcription factor kojR	0.75	0.66	1.56	1.91	0.41	-1.30	0.00	0.01	down
PCI_7085	Aflatoxin B1 aldehyde reductase member 2	0.74	0.94	2.33	3.16	0.31	-1.70	0.00	0.00	down
PCI_7089	Arabinose-proton symporter	18.15	15.87	105.09	132.23	0.14	-2.80	0.00	0.00	down
PCI_7092	Protein MAK16	88.65	106.62	24.19	24.92	3.98	1.99	0.00	0.00	up
PCI_7096	Hypothetical protein	15.85	14.26	32.04	31.23	0.48	-1.07	0.00	0.00	down
PCI_7117	CTP synthase	109.09	117.25	50.01	47.47	2.32	1.22	0.00	0.00	up
PCI_7120	Beta-galactosidase	1.51	0.58	9.28	8.34	0.12	-3.08	0.00	0.00	down
PCI_7121	Myo-inositol transporter 1	0.09	0.09	0.45	0.39	0.21	-2.26	0.00	0.01	down
PCI_7123	Hypothetical protein	0.40	0.40	4.64	5.39	0.08	-3.65	0.00	0.00	down
PCI_7124	Hypothetical protein	0.05	0.15	0.98	0.69	0.12	-3.11	0.01	0.03	down
PCI_7125	Hypothetical protein	0.14	0.00	2.49	2.02	0.03	-5.00	0.00	0.00	down
PCI_7126	Dye-decolorizing peroxidase Tfu_3078	72.44	27.75	2.48	2.55	19.93	4.32	0.00	0.00	up
PCI_7127	Hypothetical protein	153.09	48.66	18.09	21.65	5.08	2.34	0.00	0.00	up
PCI_7129	Catalase	36.71	8.00	0.97	1.02	22.40	4.49	0.00	0.00	up
PCI_7130	Dehydrogenase str4	6.85	0.52	0.32	0.34	11.10	3.47	0.00	0.00	up
PCI_7134	Beta-lactamase-like protein sdnR	0.66	0.62	0.23	0.32	2.30	1.20	0.01	0.03	up
PCI_7138	Serine palmitoyltransferase 2	0.74	0.41	0.00	0.07	17.52	4.13	0.01	0.01	up
PCI_7139	Cyclopropane-fatty-acyl-phospholipid synthase	4.55	2.18	0.23	0.26	13.71	3.78	0.00	0.00	up
PCI_7140	Methyltransferase str2	2.75	1.89	0.04	0.40	10.46	3.39	0.00	0.00	up
PCI_7144	Sodium transport ATPase 2	1.74	0.31	24.73	21.74	0.04	-4.50	0.00	0.00	down
PCI_7145	low temperature requirement A protein LtrA	16.40	11.51	32.05	29.80	0.45	-1.15	0.00	0.00	down
PCI_7148	MFS gliotoxin efflux transporter gliA	0.57	0.29	1.47	1.59	0.28	-1.82	0.00	0.00	down
PCI_7152	Cytochrome P450 monooxygenase ppsD	78.58	100.16	14.89	15.90	5.81	2.54	0.00	0.00	up

PCI_7159	L-pipecolate oxidase	2.17	2.42	8.60	10.06	0.25	-2.02	0.00	0.00	down
PCI_7160	Isopenicillin N epimerase component 1	2.71	3.30	8.20	8.99	0.35	-1.52	0.00	0.00	down
PCI_7161	General alpha-glucoside permease	0.95	0.82	11.40	13.83	0.07	-3.83	0.00	0.00	down
PCI_7162	2-methylcitrate synthase, mitochondrial	70.75	83.43	198.86	190.07	0.40	-1.33	0.00	0.00	down
PCI_7163	Elongation factor 3	109.47	120.13	44.29	50.10	2.43	1.28	0.00	0.00	up
PCI_7165	secreted protein ARB_07637	259.71	373.30	24.36	17.65	15.07	3.91	0.00	0.00	up
PCI_7166	Malate synthase, glyoxysomal	42.70	36.89	74.71	85.05	0.50	-1.01	0.00	0.00	down
PCI_7168	Short-chain dehydrogenase reductase 2a	100.19	136.17	54.09	53.01	2.21	1.14	0.00	0.00	up
PCI_7169	Hypothetical protein	33.34	40.31	90.08	107.04	0.37	-1.42	0.00	0.00	down
PCI_7170	Polyamine oxidase 1	33.01	31.20	9.56	14.50	2.67	1.42	0.00	0.00	up
PCI_7172	Major facilitator-type transporter ecdD	4.16	4.42	31.64	51.23	0.10	-3.27	0.00	0.00	down
PCI_7173	Intradiol ring-cleavage dioxygenase, core	1.49	1.74	0.65	0.61	2.55	1.35	0.00	0.00	up
PCI_7174	Cupredoxin	22.35	21.17	5.18	8.70	3.13	1.65	0.00	0.00	up
PCI_7176	Phenol hydroxylase	10.45	11.15	3.88	4.32	2.64	1.40	0.00	0.00	up
PCI_7177	SNARE domain protein	23.35	37.89	1.71	4.03	10.68	3.42	0.00	0.00	up
PCI_7178	sterigmatocystin biosynthesis monooxygenase stcW	0.64	0.58	0.15	0.17	3.80	1.92	0.00	0.00	up
PCI_7183	Hypothetical protein	0.23	0.18	0.74	1.17	0.22	-2.21	0.00	0.00	down
PCI_7184	Hypothetical protein	1.78	4.00	0.74	0.60	4.33	2.11	0.00	0.00	up
PCI_7194	Mannan endo-1,6-alpha-mannosidase DCW1	0.97	0.80	2.43	2.15	0.39	-1.38	0.00	0.00	down
PCI_7197	aromatic ring-opening dioxygenase LigB subunit	56.66	47.67	20.22	21.17	2.52	1.33	0.00	0.00	up
PCI_7206	Ethanolamine utilisation EutQ	650.81	346.62	27.35	37.77	15.32	3.94	0.00	0.00	up
PCI_7210	ankyrin repeat-containing domain	0.21	0.29	1.37	1.74	0.16	-2.67	0.00	0.00	down
PCI_7211	Ctr copper transporter,	1.00	1.25	21.05	17.19	0.06	-4.09	0.00	0.00	down
PCI_7223	ABC-type transporter cicA	2.83	2.14	5.66	5.56	0.44	-1.17	0.00	0.00	down

PCI_7224	lactate 2-monooxygenase PB1A11.03	6.92	5.47	10.51	15.18	0.48	-1.05	0.00	0.00	down
PCI_7230	ADP-ribose pyrophosphatase	49.68	38.90	21.39	18.63	2.21	1.15	0.00	0.00	up
PCI_7237	Alkylated DNA repair protein alkB homolog 8	16.02	14.71	7.34	7.91	2.02	1.01	0.00	0.00	up
PCI_7243	Acid phosphatase	7.79	7.51	1.16	1.81	5.16	2.37	0.00	0.00	up
PCI_7247	Peptidase S41 family protein ustP	4.86	6.20	1.85	2.53	2.53	1.34	0.00	0.00	up
PCI_7250	Aspartate aminotransferase, cytoplasmic	76.78	87.48	36.45	35.25	2.29	1.20	0.00	0.00	up
PCI_7255	rRNA-processing protein FCF1 homolog	59.97	67.97	18.15	19.10	3.43	1.78	0.00	0.00	up
PCI_7262	Major facilitator-type transporter hxnP	1.78	0.31	0.12	0.14	8.24	3.04	0.00	0.00	up
PCI_7263	protein FMAN_03449	3.10	1.03	0.12	0.12	16.71	4.06	0.00	0.00	up
PCI_7264	Aspyridones efflux protein	0.24	0.22	2.21	2.36	0.10	-3.32	0.00	0.00	down
PCI_7270	YAL10F15037p	11.09	11.09	29.08	23.08	0.43	-1.23	0.00	0.00	down
PCI_7271	Serine/threonine-protein kinase GIN4	26.53	17.71	108.36	95.73	0.22	-2.21	0.00	0.00	down
PCI_7273	FAD dependent oxidoreductase	4.13	5.48	1.07	0.68	5.49	2.46	0.00	0.00	up
PCI_7274	Pyrroline-5-carboxylate reductase	7.00	9.36	2.07	2.63	3.48	1.80	0.00	0.00	up
PCI_7283	Transcription factor asqA	3.74	2.91	7.70	7.69	0.43	-1.21	0.00	0.00	down
PCI_7295	4-methylaminobutanoate oxidase (formaldehyde- forming)	5.45	9.38	1.12	1.18	6.45	2.69	0.00	0.00	up
PCI_7298	Hypothetical protein	67.03	73.74	23.63	29.47	2.65	1.41	0.00	0.00	up
PCI_7301	Hypothetical protein	2.41	1.55	5.75	5.99	0.34	-1.57	0.00	0.00	down
PCI_7304	Sucrose/H ⁺ symporter	0.53	0.49	6.09	7.03	0.08	-3.69	0.00	0.00	down
PCI_7305	Altered inheritance of mitochondria protein 6 homolog ARB_06966	5.95	2.09	32.47	33.91	0.12	-3.05	0.00	0.00	down
PCI_7307	Cytochrome P450 monooxygenase alnD	10.79	9.93	0.04	0.09	156.32	7.29	0.00	0.00	up
PCI_7308	NADH-cytochrome b5	8.35	8.74	0.86	1.39	7.60	2.93	0.00	0.00	up

	reductase 1									
PCI_7309	Bifunctional cytochrome P450/NADPH--P450 reductase	156.14	129.83	56.21	48.41	2.73	1.45	0.00	0.00	up
PCI_7312	Non-reducing end alpha-L-arabinofuranosidase BoGH43A	0.13	0.09	0.53	1.19	0.12	-3.00	0.00	0.00	down
PCI_7313	MFS-type transporter oryC	19.05	5.62	149.98	130.56	0.09	-3.51	0.00	0.00	down
PCI_7314	Sugar transporter STL1	6.90	3.53	1.60	1.88	3.00	1.59	0.00	0.00	up
PCI_7315	2-oxoglutarate-Fe(II) type oxidoreductase hxnY	7.20	7.56	1.62	2.02	4.05	2.02	0.00	0.00	up
PCI_7318	Lactose permease	0.63	0.41	2.37	1.80	0.25	-2.01	0.00	0.00	down
PCI_7320	Hypothetical protein	166.67	321.43	430.84	638.13	0.46	-1.13	0.01	0.02	down
PCI_7321	Hypothetical protein	1.39	1.69	5.12	8.21	0.23	-2.11	0.00	0.00	down
PCI_7322	Sorbose reductase sou1	5.51	5.44	10.78	13.61	0.45	-1.16	0.00	0.00	down
PCI_7324	Hybrid PKS-NRPS synthetase mycA	0.42	0.38	1.14	2.96	0.19	-2.37	0.00	0.00	down
PCI_7325	Trans-enoyl reductase mycC	0.19	0.04	3.00	11.27	0.02	-5.98	0.00	0.00	down
PCI_7326	Diels-Alderase mycB	0.49	0.32	7.80	23.63	0.03	-5.29	0.00	0.00	down
PCI_7327	Hypothetical protein	0.64	0.62	8.15	15.53	0.05	-4.23	0.00	0.00	down
PCI_7328	MFS-type transporter ucsD	0.27	0.33	4.30	20.83	0.02	-5.38	0.00	0.00	down
PCI_7329	Hydrolase ORFZ	0.55	0.34	4.24	14.49	0.05	-4.40	0.00	0.00	down
PCI_7333	Thij/pfpi,	4.41	2.34	25.51	28.91	0.12	-3.01	0.00	0.00	down
PCI_7334	Transcription factor	24.15	13.99	50.66	50.12	0.38	-1.40	0.00	0.00	down
PCI_7340	Endo-1,4-beta-xylanase A	84.38	69.82	34.41	36.14	2.19	1.13	0.00	0.00	up
PCI_7341	Alcohol dehydrogenase	3.28	3.29	11.43	14.41	0.25	-1.97	0.00	0.00	down
PCI_7343	Cutinase transcription factor 1 alpha	1.17	0.84	2.89	2.38	0.38	-1.39	0.00	0.00	down
PCI_7345	Hypothetical protein	157.05	96.13	696.31	707.67	0.18	-2.47	0.00	0.00	down
PCI_7347	Mediator of RNA polymerase II transcription subunit 17	5.82	4.23	16.00	15.00	0.32	-1.63	0.00	0.00	down
PCI_7348	Mannan endo-1,6-alpha-mannosidase DCW1	42.99	26.36	216.84	202.14	0.17	-2.59	0.00	0.00	down
PCI_7350	Exo-beta-D-glucosaminidase ARB_07888	0.88	0.82	0.14	0.12	6.69	2.74	0.00	0.00	up

PCI_7351	Secondary metabolism regulator LAE1	5.60	4.81	0.34	0.28	16.93	4.08	0.00	0.00	up
PCI_7352	Lipase 1	6.63	3.10	13.52	14.00	0.35	-1.50	0.00	0.00	down
PCI_7356	Major facilitator superfamily transporter	0.77	0.44	1.11	2.06	0.38	-1.38	0.02	0.03	down
PCI_7359	Hypothetical protein	0.63	0.74	1.61	1.72	0.41	-1.28	0.01	0.02	down
PCI_7363	Hypothetical protein	10.60	7.16	20.39	20.41	0.44	-1.20	0.00	0.00	down
PCI_7364	Oryzines biosynthesis cluster protein J	5.37	2.12	16.28	27.77	0.17	-2.56	0.00	0.00	down
PCI_7370	Cytochrome P450 52A12	6.82	4.42	11.96	12.23	0.46	-1.11	0.00	0.00	down
PCI_7371	rhamnogalacturonate lyase A	3.73	4.63	0.13	0.43	15.01	3.91	0.00	0.00	up
PCI_7375	Glycine dehydrogenase (decarboxylating)	41.27	40.00	83.74	97.27	0.45	-1.16	0.00	0.00	down
PCI_7376	Major facilitator-type transporter hxnP	0.09	0.09	0.46	0.69	0.16	-2.64	0.00	0.00	down
PCI_7378	Hydrophobic surface binding protein A family protein	244.52	141.81	513.33	461.88	0.40	-1.34	0.00	0.00	down
PCI_7383	Protein of unknown function DUF3468	4.15	4.14	8.50	10.14	0.45	-1.17	0.00	0.00	down
PCI_7384	Hypothetical protein	1.99	1.65	0.48	0.43	4.01	2.00	0.00	0.00	up
PCI_7386	Vacuolar calcium ion transporter	18.20	15.66	3.55	5.52	3.73	1.90	0.00	0.00	up
PCI_7387	Hypothetical protein	12.60	13.83	4.48	5.19	2.73	1.45	0.00	0.00	up
PCI_7388	Quercetin 2,3-dioxygenase	30.74	22.00	0.61	1.29	27.78	4.80	0.00	0.00	up
PCI_7391	Acid trehalase	5.66	6.32	12.73	12.80	0.47	-1.09	0.00	0.00	down
PCI_7392	Hybrid signal transduction protein dokA	0.66	0.78	3.71	5.32	0.16	-2.65	0.00	0.00	down
PCI_7398	Invertase 4	16.42	11.06	0.81	0.63	19.15	4.26	0.00	0.00	up
PCI_7399	Hypothetical protein	2.70	2.41	1.21	0.88	2.44	1.29	0.00	0.00	up
PCI_7400	ABC multidrug transporter C	1.51	5.63	0.92	1.59	2.85	1.51	0.01	0.02	up
PCI_7401	Hypothetical protein	5.91	4.67	10.06	13.79	0.44	-1.17	0.00	0.00	down
PCI_7404	Adenylate-forming reductase 03009	20.86	13.56	6.87	6.95	2.49	1.32	0.00	0.00	up
PCI_7408	Glutamate decarboxylase-like protein FG08083	0.39	0.37	0.97	1.10	0.37	-1.44	0.00	0.01	down
PCI_7413	Cytochrome P450	5.30	4.34	9.62	13.26	0.42	-1.25	0.00	0.00	down

	monooxygenase orf2									
PCI_7415	Nonribosomal peptide synthetase 6	31.06	23.48	56.26	54.38	0.49	-1.02	0.00	0.00	down
PCI_7425	Hypothetical protein	483.46	438.79	199.97	168.96	2.50	1.32	0.00	0.00	up
PCI_7428	Acetamidase	13.16	14.21	2.92	3.82	4.06	2.02	0.00	0.00	up
PCI_7435	Hypothetical protein	57.23	70.81	162.19	127.33	0.44	-1.18	0.00	0.00	down
PCI_7440	ADP-ribosylarginine hydrolase Tri1	2.65	2.17	5.79	6.06	0.41	-1.30	0.00	0.00	down
PCI_7441	Hypothetical protein	29.02	21.69	8.88	10.07	2.68	1.42	0.00	0.00	up
PCI_7442	Pyruvate decarboxylase	0.32	0.35	32.07	34.57	0.01	-6.64	0.00	0.00	down
PCI_7443	Fungal specific transcription factor domain-containing protein	1.11	1.25	3.50	3.11	0.36	-1.48	0.00	0.00	down
PCI_7444	N-hydroxyarylamine O-acetyltransferase	18.93	14.74	43.37	55.86	0.34	-1.56	0.00	0.00	down
PCI_7450	Chloroplast envelope quinone oxidoreductase homolog	4.35	1.38	11.94	9.63	0.27	-1.91	0.00	0.00	down
PCI_7461	Riboflavin transporter MCH5	5.76	4.85	0.69	1.17	5.70	2.51	0.00	0.00	up
PCI_7464	D-lactate dehydrogenase	13.52	32.06	10.40	9.74	2.26	1.18	0.00	0.00	up
PCI_7465	O-methyltransferase imqG	23.25	22.97	0.14	0.00	318.90	8.32	0.00	0.00	up
PCI_7466	Transcription factor asR3	3.45	2.86	1.12	1.11	2.83	1.50	0.00	0.00	up
PCI_7469	MFS transporter	1.38	1.79	4.07	3.36	0.43	-1.23	0.00	0.00	down
PCI_7470	metal ion transporter C27B12.12c	0.81	0.73	3.74	3.76	0.21	-2.28	0.00	0.00	down
PCI_7471	Increased sodium tolerance protein 2	17.60	14.08	33.89	34.08	0.47	-1.10	0.00	0.00	down
PCI_7472	Hypothetical protein	2.64	2.06	6.25	6.43	0.37	-1.43	0.00	0.00	down
PCI_7475	Phenol hydroxylase	7.55	6.37	1.39	1.18	5.41	2.44	0.00	0.00	up
PCI_7476	Aspyridones efflux protein apdF	2.20	1.77	0.15	0.18	11.98	3.58	0.00	0.00	up
PCI_7477	Glucan endo-1,3-beta-glucosidase BGN13.1	28.52	16.05	97.57	86.43	0.24	-2.05	0.00	0.00	down
PCI_7478	Hypothetical protein	187.64	556.10	16.87	18.51	21.03	4.39	0.00	0.00	up
PCI_7479	GABA-specific permease	5.90	4.99	12.40	12.92	0.43	-1.22	0.00	0.00	down

PCI_7480	Aquaporin-1	43.32	3.42	285.25	250.08	0.09	-3.52	0.01	0.03	down
PCI_7481	Flavoheomoprotein	281.10	371.60	45.71	46.99	7.04	2.82	0.00	0.00	up
PCI_7483	Hypothetical protein	247.08	401.65	3.20	4.38	85.63	6.42	0.00	0.00	up
PCI_7484	Hypothetical protein	33.61	46.84	17.15	22.63	2.02	1.02	0.00	0.00	up
PCI_7485	Hypothetical protein	314.60	445.08	83.27	99.43	4.16	2.06	0.00	0.00	up
PCI_7489	Peptidase, cysteine peptidase active site	3.45	2.44	5.64	6.41	0.49	-1.03	0.00	0.00	down
PCI_7490	trans-sulfuration enzyme YHR112C	0.47	0.40	0.00	0.05	16.35	4.03	0.01	0.01	up
PCI_7492	Peptidase S9/S15	0.02	0.13	0.00	0.00	728.97	9.51	0.02	0.04	up
PCI_7498	endoplasmic reticulum membrane protein YJR015W	11.46	6.37	50.68	45.53	0.19	-2.43	0.00	0.00	down
PCI_7502	Zuotin	256.66	309.01	117.37	107.07	2.52	1.33	0.00	0.00	up
PCI_7505	Sterol 24-C-methyltransferase	321.70	307.89	137.71	129.95	2.35	1.23	0.00	0.00	up
PCI_7507	GPI anchored cell wall protein	2.09	1.33	2.66	5.09	0.44	-1.18	0.02	0.05	down
PCI_7511	Beta-1,2-xylosyltransferase 1	5.83	5.98	1.21	1.24	4.82	2.27	0.00	0.00	up
PCI_7512	Botcinic acid biosynthesis cluster B protein 16	16.42	10.76	2.17	2.25	6.15	2.62	0.00	0.00	up
PCI_7513	Efflux pump vrtL	20.64	20.78	2.00	3.02	8.25	3.04	0.00	0.00	up
PCI_7518	ABC multidrug transporter atrB	0.68	0.96	0.17	0.26	3.74	1.90	0.00	0.00	up
PCI_7521	AIM2 family protein C977.15	97.93	85.47	1.82	2.37	43.71	5.45	0.00	0.00	up
PCI_7522	Mannan endo-1,6-alpha-mannosidase DCW1	21.54	22.97	7.40	9.79	2.59	1.37	0.00	0.00	up
PCI_7527	ankyrin repeat protein	1.02	1.32	0.13	0.20	7.11	2.83	0.00	0.00	up
PCI_7528	agmatinase 1	107.57	54.40	0.21	0.70	178.54	7.48	0.00	0.00	up
PCI_7529	Hypothetical protein	28.04	25.78	0.91	1.17	25.82	4.69	0.00	0.00	up
PCI_7532	HAD-superfamily hydrolase subfamily IA variant 3	1.98	1.64	0.20	0.41	5.92	2.57	0.00	0.00	up
PCI_7547	Hypothetical protein	0.93	0.76	0.06	0.13	8.91	3.16	0.00	0.00	up
PCI_7552	L-gulono-1,4-lactone dehydrogenase	4.79	4.68	0.25	0.14	24.34	4.61	0.00	0.00	up
PCI_7553	Pantothenate transporter	0.80	0.93	0.15	0.20	5.06	2.34	0.00	0.00	up

PCI_7554	Aldo-keto reductase yakc	12.28	7.48	0.84	0.82	11.91	3.57	0.00	0.00	up
PCI_7556	NAD dependent epimerase/dehydratase family protein	13.32	15.44	3.91	4.68	3.35	1.74	0.00	0.00	up
PCI_7557	Hypothetical protein	1.68	3.18	15.56	20.61	0.13	-2.89	0.00	0.00	down
PCI_7559	feruloyl esterase A	7.80	14.19	0.00	0.00	109951.43	16.75	0.00	0.00	up
PCI_7564	2-aminomuconic semialdehyde dehydrogenase	0.49	0.58	1.42	1.11	0.42	-1.24	0.01	0.03	down
PCI_7571	Cytochrome b2, mitochondrial	3.16	1.26	0.67	0.89	2.82	1.50	0.00	0.01	up
PCI_7572	Acetylcholinesterase	3.44	1.32	0.39	0.46	5.59	2.48	0.00	0.00	up
PCI_7577	integral membrane protein	0.90	0.86	2.12	4.41	0.27	-1.89	0.00	0.01	down
PCI_7581	2,5-dichloro-2,5- cyclohexadiene-1,4-diol dehydrogenase LinX	0.05	0.16	0.33	0.44	0.28	-1.85	0.02	0.05	down
PCI_7583	Oxygen-dependent choline dehydrogenase	0.83	0.48	0.06	0.22	4.66	2.22	0.01	0.01	up
PCI_7585	fungal cellulose binding domain protein	1227.97	1196.52	3.72	4.37	299.59	8.23	0	0	up
PCI_7597	Glutathione S-transferase- like protein tpcF	387.08	233.99	952.63	912.63	0.33	-1.59	0.00	0.00	down
PCI_7603	Hypothetical protein	0.90	0.34	14.65	26.06	0.03	-5.03	0.00	0.00	down
PCI_7608	Carboxylic acid transporter protein homolog	22.13	8.91	68.77	78.54	0.21	-2.25	0.00	0.00	down
PCI_7609	Hypothetical protein	4.53	2.97	0.86	0.83	4.43	2.15	0.00	0.00	up
PCI_7610	mutanase	5.22	1.94	0.79	0.92	4.20	2.07	0.00	0.00	up
PCI_7611	Hypothetical protein	3.87	5.34	1.02	1.63	3.47	1.79	0.00	0.00	up
PCI_7614	C2H2 finger domain protein	46.88	325.31	13.78	16.54	12.27	3.62	0.00	0.00	up
PCI_7623	High-affinity glucose transporter	0.18	0.14	1.16	1.53	0.12	-3.08	0.00	0.00	down
PCI_7624	alpha-rhamnosidase	1.51	1.14	0.12	0.09	12.66	3.66	0.00	0.00	up
PCI_7625	glucan 1,3-beta-glucosidase A	0.76	0.29	0.00	0.00	5226.09	12.35	0.00	0.00	up
PCI_7626	Protein of unknown function DUF3659	0.38	0.50	9.37	13.12	0.04	-4.68	0.00	0.00	down
PCI_7627	Hypothetical protein	1.29	0.66	6.32	9.26	0.12	-3.00	0.00	0.00	down

PCI_7629	sulfatase domain protein	32.81	53.49	20.38	18.69	2.21	1.14	0.00	0.00	up
PCI_7630	Choline transport protein	137.76	113.87	12.53	13.21	9.78	3.29	0.00	0.00	up
PCI_7631	NADPH--cytochrome P450 reductase	0.76	0.65	0.04	0.07	12.29	3.62	0.00	0.00	up
PCI_7633	Hypothetical protein	0.22	0.13	1.24	1.54	0.13	-2.98	0.00	0.00	down
PCI_7641	Non-specific phospholipase C6	4.49	2.09	0.20	0.24	14.85	3.89	0.00	0.00	up
PCI_7642	Carnosine N-methyltransferase	1.07	0.46	15.72	25.32	0.04	-4.75	0.00	0.00	down
PCI_7643	Oxidase ustYa	1.27	0.57	24.22	35.16	0.03	-5.01	0.00	0.00	down
PCI_7644	Hypothetical protein	6.48	4.14	69.96	108.53	0.06	-4.07	0.00	0.00	down
PCI_7645	Hypothetical protein	2.09	2.36	8.78	13.36	0.20	-2.31	0.00	0.00	down
PCI_7646	Hypothetical protein	1.18	0.09	18.04	18.67	0.03	-4.86	0.00	0.00	down
PCI_7647	Hypothetical protein	1.51	0.89	19.40	14.64	0.07	-3.82	0.00	0.00	down
PCI_7648	Hypothetical protein	56.68	36.59	149.43	130.16	0.33	-1.58	0.00	0.00	down
PCI_7651	Cytochrome P450 monooxygenase astJ	0.11	0.11	0.44	0.79	0.18	-2.51	0.00	0.00	down
PCI_7653	Sucrose/H ⁺ symporter, plant	11.20	8.80	35.24	26.28	0.33	-1.62	0.00	0.00	down
PCI_7655	Mitochondrial carrier protein RIM2	40.06	43.12	19.38	19.62	2.13	1.09	0.00	0.00	up
PCI_7659	FAD-binding monooxygenase AlmA	0.15	0.16	0.96	1.16	0.15	-2.77	0.00	0.00	down
PCI_7660	Hypothetical protein	5.92	6.14	14.40	21.98	0.33	-1.59	0.00	0.00	down
PCI_7663	Ribosome production factor 2 homolog	69.30	83.88	22.07	26.47	3.16	1.66	0.00	0.00	up
PCI_7666	quinate permease	11.23	5.58	3.54	4.37	2.13	1.09	0.00	0.00	up
PCI_7675	FAD-dependent monooxygenase sdcF	14.10	11.46	35.67	37.71	0.35	-1.52	0.00	0.00	down
PCI_7676	Glucan endo-1,3-beta-glucosidase BGN13.1	1.97	2.04	7.81	10.08	0.22	-2.16	0.00	0.00	down
PCI_7680	TPR repeat-containing protein C19B12.01	17.16	18.97	8.79	9.00	2.03	1.02	0.00	0.00	up
PCI_7682	Citrate exporter 1	163.56	70.85	50.35	48.79	2.36	1.24	0.00	0.00	up
PCI_7692	Aquaglycerol porin AQY3	0.06	0.07	0.21	0.65	0.16	-2.68	0.02	0.03	down
PCI_7694	galacturan 1,4-alpha-galacturonidase A	8.98	6.55	16.14	18.18	0.45	-1.14	0.00	0.00	down

PCI_7699	DNA-directed RNA polymerase I subunit rpa49	39.47	42.65	14.91	15.80	2.67	1.42	0.00	0.00	up
PCI_7700	Major facilitator superfamily multidrug transporter FLU1	6.15	11.45	20.70	19.59	0.44	-1.19	0.00	0.01	down
PCI_7704	Alcohol dehydrogenase 1	30.53	18.87	77.54	75.74	0.32	-1.63	0.00	0.00	down
PCI_7709	MFS-type efflux pump MFS2	5.67	8.60	1.42	1.51	4.87	2.28	0.00	0.00	up
PCI_7711	Notoamide biosynthesis cluster protein O'	8.00	11.05	0.40	0.64	18.24	4.19	0.00	0.00	up
PCI_7712	LPS-induced tumor necrosis factor alpha factor	29.32	40.41	17.71	14.94	2.14	1.09	0.00	0.00	up
PCI_7713	Hypothetical protein	129.22	143.70	35.43	44.02	3.44	1.78	0.00	0.00	up
PCI_7717	Hypothetical protein	1.96	2.62	1.00	0.51	3.04	1.61	0.00	0.00	up
PCI_7718	Hypothetical protein	1835.22	583.62	269.17	267.71	4.51	2.17	0.00	0.00	up
PCI_7722	methylcrotonoyl-CoA carboxylase beta chain, mitochondrial	23.91	21.00	101.89	96.24	0.23	-2.14	0.00	0.00	down
PCI_7723	Isovaleryl-CoA dehydrogenase, mitochondrial	25.15	23.77	109.14	98.98	0.24	-2.09	0.00	0.00	down
PCI_7727	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	23.62	18.62	75.39	70.77	0.29	-1.79	0.00	0.00	down
PCI_7732	Hypothetical protein	9.30	5.14	45.75	40.68	0.17	-2.58	0.00	0.00	down
PCI_7740	Hypothetical protein	27.49	23.40	49.24	53.67	0.49	-1.02	0.00	0.00	down
PCI_7743	Hypothetical protein	12.87	12.76	6.17	5.92	2.12	1.08	0.00	0.00	up
PCI_7745	protein RCO7_11207	0.35	0.32	1.13	1.54	0.25	-1.98	0.00	0.00	down
PCI_7749	Hypothetical protein	7.57	6.14	15.71	15.29	0.44	-1.18	0.00	0.00	down
PCI_7751	Cadmium resistance transporter	7.12	4.62	12.38	11.38	0.49	-1.02	0.00	0.00	down
PCI_7764	Glycoside hydrolase, family 43	30.83	51.72	6.11	8.92	5.49	2.46	0.00	0.00	up
PCI_7777	Nuclear distribution protein RO10,	42.43	35.87	88.38	87.75	0.44	-1.17	0.00	0.00	down
PCI_7780	Dehydrogenase orsE	13.10	11.55	3.17	4.51	3.21	1.68	0.00	0.00	up
PCI_7781	MFS-type transporter oryC	5.27	3.44	63.99	78.27	0.06	-4.03	0.00	0.00	down

PCI_7784	integral membrane protein	4.44	2.97	8.05	8.36	0.45	-1.15	0.00	0.00	down
PCI_7785	Chondroitin sulfate ABC endolyase	1.79	0.91	9.70	10.50	0.13	-2.90	0.00	0.00	down
PCI_7786	High-affinity glucose transporter HXT2	5.77	2.70	23.02	20.68	0.19	-2.37	0.00	0.00	down
PCI_7789	Fumonisin B1 esterase	1.45	0.94	0.13	0.00	18.06	4.17	0.00	0.00	up
PCI_7790	Ribosomal protein S35, mitochondrial	70.40	85.61	39.14	32.28	2.18	1.13	0.00	0.00	up
PCI_7801	HAD-superfamily hydrolase, subfamily IA, variant 3	68.99	70.50	338.88	309.53	0.22	-2.22	0.00	0.00	down
PCI_7803	Nudix hydrolase 14, chloroplastic	20.19	20.67	46.21	49.34	0.43	-1.23	0.00	0.00	down
PCI_7810	Hypothetical protein	234.27	221.69	1179.63	933.54	0.22	-2.21	0.00	0.00	down
PCI_7817	Hypothetical protein	25.03	33.10	6.05	5.81	4.90	2.29	0.00	0.00	up
PCI_7818	Reticulon-4-interacting protein 1, mitochondrial	8.18	6.22	16.21	18.46	0.42	-1.27	0.00	0.00	down
PCI_7821	Expansin-like protein 1	190.04	171.07	69.52	69.98	2.59	1.37	0.00	0.00	up
PCI_7822	MFS-type efflux pump MFS1	0.71	0.29	1.26	2.31	0.28	-1.84	0.00	0.01	down
PCI_7827	Hypothetical protein	207.18	146.75	39.39	45.01	4.19	2.07	0.00	0.00	up
PCI_7832	20S-pre-rRNA D-site endonuclease nob1	52.34	61.78	21.25	25.99	2.42	1.27	0.00	0.00	up
PCI_7833	tRNA-splicing endonuclease subunit tsp-2	33.78	35.04	16.16	16.61	2.10	1.07	0.00	0.00	up
PCI_7843	glutamine amidotransferase-like protein C13C5.04	3.65	7.28	1.32	1.08	4.56	2.19	0.00	0.00	up
PCI_7850	Hypothetical protein	13.53	9.26	30.64	35.17	0.35	-1.53	0.00	0.00	down
PCI_7851	Hypothetical protein	1.30	0.74	3.26	3.65	0.30	-1.76	0.00	0.00	down
PCI_7854	Hypothetical protein	18.21	15.79	37.65	30.72	0.50	-1.01	0.00	0.00	down
PCI_7861	Ribosomal RNA-processing protein 15	64.57	70.96	21.87	21.94	3.09	1.63	0.00	0.00	up
PCI_7864	Hypothetical protein	99.06	84.99	2.91	2.80	32.21	5.01	0.00	0.00	up
PCI_7868	Hypothetical protein	12.73	7.94	49.96	39.77	0.23	-2.12	0.00	0.00	down
PCI_7870	Endochitinase A1	92.23	118.78	46.18	46.98	2.27	1.18	0.00	0.00	up
PCI_7872	Hypothetical protein	2.11	2.12	5.26	6.35	0.36	-1.46	0.00	0.00	down
PCI_7885	Acyltransferase 3	36.47	24.52	104.70	90.59	0.31	-1.68	0.00	0.00	down

PCI_7897	Class III chitinase ARB_03514	93.30	40.99	407.95	356.63	0.18	-2.51	0.00	0.00	down
PCI_7908	Hypothetical protein	0.23	0.18	0.00	0.00	210.38	7.72	0.02	0.03	up
PCI_7910	cytokinesis protein 3	10.53	8.41	24.72	21.75	0.41	-1.29	0.00	0.00	down
PCI_7911	Laccase abr2	28.09	12.56	248.84	230.68	0.08	-3.56	0.00	0.00	down
PCI_7912	Non-reducing polyketide synthase albA	31.29	6.22	411.04	394.51	0.05	-4.42	0.00	0.00	down
PCI_7922	Hypothetical protein	100.74	65.75	271.06	219.67	0.34	-1.56	0.00	0.00	down
PCI_7934	Hypothetical protein	5.27	7.44	16.13	13.19	0.43	-1.21	0.00	0.00	down
PCI_7938	Citrate exporter 1	0.40	0.18	1.06	1.47	0.23	-2.13	0.00	0.01	down
PCI_7946	Multicopper oxidase abr1	76.80	37.71	378.17	303.67	0.17	-2.57	0.00	0.00	down
PCI_7947	Heptaketide hydrolyase ayg1	23.24	23.73	301.97	268.45	0.08	-3.60	0.00	0.00	down
PCI_7956	related to lipase (lipP)	0.52	0.55	0.05	0.08	8.31	3.05	0.00	0.00	up
PCI_7960	Choline transport protein	2.46	6.29	0.25	0.28	16.60	4.05	0.00	0.00	up
PCI_7966	cipC-like antibiotic response protein	23.22	45.15	12.12	17.24	2.33	1.22	0.00	0.00	up
PCI_7984	Peptidoglycan deacetylase	126.35	114.02	47.18	52.32	2.42	1.27	0.00	0.00	up
PCI_7985	Amidase	29.28	28.32	3.18	3.54	8.57	3.10	0.00	0.00	up
PCI_7986	Dihydroantcapsin 7- dehydrogenase	34.40	30.54	8.79	9.48	3.56	1.83	0.00	0.00	up
PCI_7987	Transcriptional regulator of yeast form adherence 5	4.92	3.53	9.30	10.23	0.43	-1.21	0.00	0.00	down
PCI_7992	Protein of unknown function DUF3445	19.24	7.48	3.28	3.40	4.00	2.00	0.00	0.00	up
PCI_7993	MFS glucose transporter mfs1	0.50	0.37	6.64	9.89	0.05	-4.25	0.00	0.00	down
PCI_7994	Maltose permease MAL31	0.54	0.81	9.23	8.41	0.08	-3.70	0.00	0.00	down
PCI_7998	Transcription factor RfeG,	28.57	24.86	45.83	65.99	0.48	-1.07	0.00	0.00	down
PCI_8000	X-Pro dipeptidyl-peptidase (S15 family) protein	1.38	1.01	3.53	4.00	0.32	-1.66	0.00	0.00	down
PCI_8003	lipase C16A3.12c	6.12	10.87	19.30	17.40	0.46	-1.11	0.00	0.01	down
PCI_8004	Cyclopiazonic acid synthetase	12.03	2.61	93.06	91.83	0.08	-3.66	0.00	0.00	down
PCI_8005	Nonribosomal peptide synthetase anaPS	13.52	3.30	112.26	117.67	0.07	-3.77	0.00	0.00	down
PCI_8006	O-methyltransferase xanE	23.46	5.12	216.60	202.91	0.07	-3.88	0.00	0.00	down

PCI_8007	Indoleamine 2,3-dioxygenase	4.92	0.81	58.03	65.93	0.05	-4.44	0.00	0.00	down
PCI_8008	lactate 2-monooxygenase PB1A11.03	109.12	41.96	659.20	608.77	0.12	-3.07	0.00	0.00	down
PCI_8009	MFS transporter asaE	18.24	14.10	80.01	78.56	0.20	-2.29	0.00	0.00	down
PCI_8010	Hypothetical protein	18.54	12.73	46.99	43.07	0.35	-1.53	0.00	0.00	down
PCI_8011	NAD(P)-binding domain protein, partial	17.22	32.29	5.68	6.15	4.19	2.07	0.00	0.00	up
PCI_8021	Regulatory protein	6.12	6.91	13.42	14.80	0.46	-1.11	0.00	0.00	down
PCI_8036	filamentation protein (Rh1)	19.65	18.87	49.93	48.86	0.39	-1.36	0.00	0.00	down
PCI_8040	Hydantoinase/oxoprolinase	17.20	14.73	33.53	41.68	0.42	-1.24	0.00	0.00	down
PCI_8049	3-(3-hydroxy- phenyl)propionate/3- hydroxycinnamic acid hydroxylase	0.26	0.16	0.04	0.05	4.69	2.23	0.02	0.04	up
PCI_8059	Carbamoyl-phosphate synthase arginine-specific small chain	614.73	560.44	294.20	285.43	2.03	1.02	0.00	0.00	up
PCI_8062	Protein psi1	21.32	31.90	82.06	69.25	0.35	-1.51	0.00	0.00	down
PCI_8065	Cytochrome P450 monooxygenase TRI4	36.97	21.77	4.69	7.39	4.86	2.28	0.00	0.00	up
PCI_8075	Transmembrane protein 184C	33.98	39.25	17.15	16.89	2.15	1.10	0.00	0.00	up
PCI_8077	Hypothetical protein	2.68	1.94	5.52	6.10	0.40	-1.33	0.00	0.01	down
PCI_8079	Hypothetical protein	0.33	0.15	0.00	0.00	2423.77	11.24	0.00	0.00	up
PCI_8089	Hypothetical protein	70.30	59.52	20.79	23.09	2.96	1.56	0.00	0.00	up
PCI_8092	18S rRNA (guanine(1575)- N(7))-methyltransferase	76.42	81.09	31.77	31.36	2.49	1.32	0.00	0.00	up
PCI_8095	Pre-rRNA-processing protein PNO1	109.52	121.77	42.44	41.56	2.75	1.46	0.00	0.00	up
PCI_8101	30 kDa heat shock protein	10.33	8.55	37.33	29.24	0.28	-1.82	0.00	0.00	down
PCI_8118	Eisosome protein 1	6.67	5.33	46.49	40.97	0.14	-2.87	0.00	0.00	down
PCI_8120	integral membrane protein	3.79	2.32	8.81	9.54	0.33	-1.59	0.00	0.00	down
PCI_8121	Hypothetical protein	3.11	5.74	0.30	0.62	9.62	3.27	0.00	0.00	up
PCI_8123	MFS-type transporter C1271.10c	7.34	5.62	17.63	15.91	0.39	-1.37	0.00	0.00	down
PCI_8124	F-box domain protein	0.05	0.00	5.73	6.56	0.00	-7.93	0.00	0.00	down

PCI_8127	Allantoate permease	0.62	0.20	1.93	2.35	0.19	-2.38	0.00	0.00	down
PCI_8131	Hypothetical protein	52.21	50.92	123.70	121.30	0.42	-1.25	0.00	0.00	down
PCI_8142	Non-canonical non-ribosomal peptide synthetase FUB8	3.61	5.73	0.19	0.13	28.72	4.84	0.00	0.00	up
PCI_8149	Peptidoglycan deacetylase	4.14	3.70	18.98	32.58	0.15	-2.72	0.00	0.00	down
PCI_8153	2-methylene-furan-3-one reductase	4.31	0.96	13.68	15.20	0.18	-2.45	0.00	0.00	down
PCI_8158	LpqC	0.60	0.43	2.47	3.59	0.17	-2.56	0.00	0.00	down
PCI_8171	Quinate permease	0.73	0.51	1.24	2.51	0.33	-1.61	0.00	0.01	down
PCI_8175	Hypothetical protein	1.68	1.52	2.92	3.88	0.47	-1.09	0.00	0.00	down
PCI_8180	arabinogalactan endo-beta-1,4-galactanase A	13.70	14.34	0.75	0.79	18.21	4.19	0.00	0.00	up
PCI_8181	Serine/threonine-protein kinase ssp1	17.45	15.28	36.45	34.57	0.46	-1.12	0.00	0.00	down
PCI_8203	Dioxygenase swmH1	3.71	2.22	0.50	0.70	4.95	2.31	0.00	0.00	up
PCI_8206	Protein SOF1	37.57	36.91	14.14	15.32	2.53	1.34	0.00	0.00	up
PCI_8208	PHD finger domain protein	13.56	12.07	25.68	29.44	0.46	-1.10	0.00	0.00	down
PCI_8211	Ribosome biogenesis protein SSF2	54.60	60.27	17.60	17.07	3.31	1.73	0.00	0.00	up
PCI_8212	ATP-dependent rRNA helicase rrp3	41.52	48.03	14.96	15.31	2.96	1.56	0.00	0.00	up
PCI_8215	Glycosyl transferase, family 8	9.84	10.24	135.08	143.69	0.07	-3.79	0.00	0.00	down
PCI_8216	glycosyltransferase family 90 protein	1.95	2.15	29.33	22.88	0.08	-3.67	0.00	0.00	down
PCI_8217	integral membrane protein	0.15	0.14	3.27	4.61	0.04	-4.72	0.00	0.00	down
PCI_8218	Protein arginine N-methyltransferase 1	141.09	146.76	64.28	64.38	2.24	1.16	0.00	0.00	up
PCI_8223	RNA polymerase II, heptapeptide repeat, eukaryotic	7.34	4.95	14.75	11.84	0.46	-1.11	0.00	0.00	down
PCI_8224	Laccase-like multicopper oxidase 1	4.42	2.76	10.70	11.13	0.33	-1.60	0.00	0.00	down
PCI_8225	Neutral ceramidase	2.47	1.79	6.02	7.46	0.32	-1.66	0.00	0.00	down
PCI_8226	Hypothetical protein	2.05	1.74	0.06	0.14	19.15	4.26	0.00	0.00	up

PCI_8228	NAD(P)-binding domain	12.47	20.68	1.06	1.27	14.19	3.83	0.00	0.00	up
PCI_8229	MFS-type efflux pump MFS2	22.58	32.20	5.78	7.22	4.21	2.07	0.00	0.00	up
PCI_8241	Hypothetical protein	4.51	5.16	1.87	1.80	2.64	1.40	0.00	0.00	up
PCI_8243	Transcriptional regulator RPN4	62.68	299.51	31.51	32.61	5.65	2.50	0.01	0.01	up
PCI_8245	cell wall anchored protein	32.12	19.85	51.33	73.49	0.42	-1.26	0.00	0.00	down
PCI_8248	Major facilitator superfamily multidrug transporter mdrA	71.08	215.26	24.34	23.63	5.97	2.58	0.00	0.00	up
PCI_8252	Alpha-1,2- mannosyltransferase alg9	111.66	49.55	21.08	26.48	3.39	1.76	0.00	0.00	up
PCI_8253	H/ACA ribonucleoprotein complex non-core subunit NAF1	21.98	24.40	8.59	9.30	2.59	1.37	0.00	0.00	up
PCI_8271	Protein bli-3	14.68	20.22	112.60	116.91	0.15	-2.72	0.00	0.00	down
PCI_8272	ABC multidrug transporter B	15.56	11.12	27.82	32.49	0.44	-1.18	0.00	0.00	down
PCI_8274	serine carboxypeptidase ARB_06414	40.66	26.03	173.50	235.44	0.16	-2.62	0.00	0.00	down
PCI_8275	protein PAC_18186	64.00	39.72	307.20	390.61	0.15	-2.75	0.00	0.00	down
PCI_8276	Hypothetical protein	45.70	25.79	173.50	247.10	0.17	-2.56	0.00	0.00	down
PCI_8277	Hypothetical protein	1438.26	1057.77	13262.83	16961.30	0.08	-3.60	0.00	0.00	down
PCI_8281	Hypothetical protein	8.01	4.51	18.49	29.15	0.26	-1.93	0.00	0.00	down
PCI_8282	branched-chain-amino-acid aminotransferase	2.54	1.75	8.30	9.72	0.24	-2.07	0.00	0.00	down
PCI_8285	Short-chain dehydrogenase/reductase 3	2.19	0.58	3.76	4.83	0.32	-1.63	0.02	0.04	down
PCI_8296	Domain of unknown function DUF1996	27.80	23.93	88.63	88.75	0.29	-1.78	0.00	0.00	down
PCI_8297	Elongation factor 1-beta	574.10	691.43	297.36	308.24	2.09	1.06	0.00	0.00	up
PCI_8298	Heat shock protein 78, mitochondrial	10.14	10.02	23.18	20.42	0.46	-1.11	0.00	0.00	down
PCI_8300	Something about silencing protein 10	47.41	53.99	10.86	13.22	4.21	2.07	0.00	0.00	up
PCI_8310	Hypothetical protein	17.68	11.54	5.82	8.64	2.02	1.02	0.00	0.00	up
PCI_8311	phosphoketolase	32.62	23.52	121.37	117.59	0.23	-2.09	0.00	0.00	down
PCI_8314	Hydrophobin	94.90	36.00	164.04	156.22	0.41	-1.29	0.00	0.01	down

PCI_8324	Methyltransferase str3	61.95	58.63	26.62	32.39	2.04	1.03	0.00	0.00	up
PCI_8330	Six-hairpin glycosidase-like	2.46	1.43	0.09	0.15	16.79	4.07	0.00	0.00	up
PCI_8331	Proton myo-inositol cotransporter	0.45	0.34	0.04	0.00	21.45	4.42	0.00	0.00	up
PCI_8332	O-methyltransferase af390-400	225.05	235.36	1.07	0.81	245.59	7.94	0	0	up
PCI_8333	Hypothetical protein	168.77	144.76	0.12	0.47	528.01	9.04	0.00	0.00	up
PCI_8334	secreted glycosidase ARB_07629	10.08	7.14	19.05	16.39	0.49	-1.04	0.00	0.00	down
PCI_8335	Siderochrome iron transporter 2	22.99	22.09	49.76	45.81	0.47	-1.08	0.00	0.00	down
PCI_8337	Hypothetical protein	3.89	5.39	17.39	15.67	0.28	-1.83	0.00	0.00	down
PCI_8341	Major facilitator-type transporter ecdD	2.45	3.75	43.01	62.58	0.06	-4.09	0.00	0.00	down
PCI_8342	transcriptional regulatory protein C1327.01c	14.88	15.47	32.11	31.37	0.48	-1.06	0.00	0.00	down
PCI_8343	Hypothetical protein	31.59	32.37	101.91	79.21	0.35	-1.50	0.00	0.00	down
PCI_8347	dUTPase	9.11	5.20	15.59	14.39	0.48	-1.07	0.01	0.01	down
PCI_8348	Hypothetical protein	27.81	26.75	0.04	0.00	1353.34	10.40	0.00	0.00	up
PCI_8349	L-amino-acid oxidase	651.15	444.17	3.37	7.16	103.99	6.70	0.00	0.00	up
PCI_8351	beta-glucosidase A	61.08	41.49	140.00	125.38	0.39	-1.37	0.00	0.00	down
PCI_8354	Hypothetical protein	16.09	24.98	5.52	4.38	4.15	2.05	0.00	0.00	up
PCI_8357	Hypothetical protein	0.77	0.04	3.55	4.16	0.11	-3.24	0.00	0.01	down
PCI_8358	protein MT2089	0.61	0.26	2.16	2.90	0.17	-2.55	0.00	0.00	down
PCI_8359	MFS-type transporter cnsO	0.65	0.51	1.12	1.58	0.43	-1.20	0.01	0.02	down
PCI_8360	Trans-3-hydroxy-L-proline dehydratase	30.62	20.56	12.24	11.94	2.12	1.08	0.00	0.00	up
PCI_8364	protein MJ1656	38.84	29.71	2.30	3.19	12.49	3.64	0.00	0.00	up
PCI_8365	Major facilitator superfamily transporter	27.39	12.17	2.14	2.98	7.74	2.95	0.00	0.00	up
PCI_8372	Hypothetical protein	3341.78	3491.89	1328.47	1205.77	2.70	1.43	0.00	0.00	up
PCI_8375	Bifunctional cytochrome P450/NADPH--P450 reductase ascE	12.89	11.41	23.41	29.13	0.46	-1.11	0.00	0.00	down
PCI_8380	Hypothetical protein	0.34	0.34	2.13	2.68	0.14	-2.82	0.00	0.00	down
PCI_8383	Aquaglycerol porin AQY3	3.63	3.77	10.95	11.07	0.34	-1.57	0.00	0.00	down

PCI_8384	Benzoate 4-monooxygenase	2.06	0.97	0.46	0.77	2.47	1.30	0.02	0.04	up
PCI_8398	RNA exonuclease 4	288.06	174.90	64.92	74.21	3.33	1.73	0.00	0.00	up
PCI_8400	Bacterial alpha-L-rhamnosidase	0.27	0.34	0.11	0.08	3.24	1.69	0.02	0.04	up
PCI_8401	Dehydrogenase FUM7	17.68	14.40	46.00	49.68	0.34	-1.58	0.00	0.00	down
PCI_8410	efflux pump kojT	2.93	2.54	0.55	0.88	3.84	1.94	0.00	0.00	up
PCI_8413	Hypothetical protein	28.12	7.33	230.71	242.09	0.07	-3.74	0.00	0.00	down
PCI_8415	18S rRNA aminocarboxypropyltransferase	29.14	37.45	15.71	16.90	2.04	1.03	0.00	0.00	up
PCI_8416	Protein of unknown function DUF2183	7.94	8.10	1.90	1.79	4.35	2.12	0.00	0.00	up
PCI_8417	Alcohol dehydrogenase superfamily, zinc-containing	32.90	36.76	16.96	17.80	2.00	1.00	0.00	0.00	up
PCI_8430	Neutral alpha-glucosidase C	1.32	0.98	3.02	3.37	0.36	-1.47	0.00	0.00	down
PCI_8431	Major facilitator superfamily transporter	1.21	0.91	4.18	3.74	0.27	-1.90	0.00	0.00	down
PCI_8437	integral membrane protein PTH11-like protein	5.09	6.13	0.06	0.01	160.02	7.32	0.00	0.00	up
PCI_8438	Cytochrome P450 monooxygenase gsF	41.13	55.03	0.67	0.65	72.96	6.19	0.00	0.00	up
PCI_8445	FAD linked oxidase, N-terminal	30.17	18.48	73.39	69.66	0.34	-1.56	0.00	0.00	down
PCI_8447	Hypothetical protein	672.26	325.91	1793.96	1577.41	0.30	-1.76	0.00	0.00	down
PCI_8448	Hypothetical protein	2.65	2.55	8.74	9.39	0.29	-1.80	0.00	0.00	down
PCI_8450	Hypothetical protein	0.69	0.43	5.01	5.59	0.11	-3.25	0.00	0.00	down
PCI_8453	ATP-dependent RNA helicase dbp3	73.80	77.53	32.75	32.69	2.31	1.21	0.00	0.00	up
PCI_8485	U3 small nucleolar RNA-associated protein 18	38.17	45.10	13.78	13.21	3.09	1.63	0.00	0.00	up
PCI_8498	Cyanide hydratase	203.43	124.20	33.39	42.09	4.34	2.12	0.00	0.00	up
PCI_8499	Patulin synthase	5.41	3.89	10.50	8.89	0.48	-1.06	0.00	0.00	down
PCI_8509	Pyroglutamyl-peptidase 1	73.15	62.04	129.46	147.40	0.49	-1.03	0.00	0.00	down
PCI_8510	Cytochrome P450 monooxygenase calE	9.10	7.12	2.88	4.97	2.07	1.05	0.00	0.00	up
PCI_8513	Beta-glucuronidase	2.68	1.96	1.05	1.11	2.14	1.10	0.00	0.00	up

PCI_8515	High-affinity glucose transporter	0.85	0.23	3.57	3.46	0.15	-2.70	0.00	0.00	down
PCI_8519	Hypothetical protein	84.88	46.06	12.77	11.73	5.34	2.42	0.00	0.00	up
PCI_8520	RfeD	22.25	15.94	40.60	44.58	0.45	-1.16	0.00	0.00	down
PCI_8523	Mannitol 2-dehydrogenase	465.44	352.80	148.54	144.14	2.80	1.48	0.00	0.00	up
PCI_8524	ankyrin	1.81	1.03	0.15	0.05	14.17	3.82	0.00	0.00	up
PCI_8525	Hypothetical protein	2.57	1.13	0.40	0.32	5.11	2.35	0.00	0.00	up
PCI_8528	transcriptional regulatory protein PB1A11.04c	5.37	4.42	18.02	16.69	0.28	-1.83	0.00	0.00	down
PCI_8531	MFS-type transporter ppsE	8.50	6.68	3.16	2.93	2.49	1.32	0.00	0.00	up
PCI_8537	Pre-rRNA-processing protein esf1	28.03	27.96	10.17	10.76	2.67	1.42	0.00	0.00	up
PCI_8542	Deoxyhypusine hydroxylase	57.41	63.80	27.65	31.47	2.05	1.04	0.00	0.00	up
PCI_8543	Hypothetical protein	6.89	0.61	31.81	34.53	0.11	-3.15	0.02	0.04	down
PCI_8550	taurine catabolism dioxygenase protein	1.23	2.26	5.69	4.87	0.33	-1.60	0.00	0.00	down
PCI_8559	Peptidase M20 domain-containing protein 2	7.41	5.50	12.50	17.11	0.44	-1.20	0.00	0.00	down
PCI_8560	Major facilitator superfamily multidrug transporter NAG4	50.80	84.30	2.44	2.46	27.54	4.78	0.00	0.00	up
PCI_8561	Hypothetical protein	5.90	4.23	1633.62	1613.87	0.00	-8.32	0	0	down
PCI_8563	Regulator of G protein signaling superfamily	55.64	49.18	19.39	20.00	2.66	1.41	0.00	0.00	up
PCI_8568	Six-hairpin glycosidase-like	1.90	1.29	3.54	3.71	0.44	-1.18	0.00	0.00	down
PCI_8569	FAD-linked oxidoreductase chyH	73.87	67.66	20.48	19.66	3.53	1.82	0.00	0.00	up
PCI_8570	Hypothetical protein	13.51	9.28	2.01	2.72	4.82	2.27	0.00	0.00	up
PCI_8571	Hypothetical protein	12.30	9.32	28.60	28.35	0.38	-1.40	0.00	0.00	down
PCI_8573	Lactose permease	2.19	1.67	4.54	3.91	0.46	-1.13	0.00	0.00	down
PCI_8578	Fungal transcriptional regulatory protein, N-terminal	3.59	2.39	5.63	7.03	0.47	-1.08	0.00	0.00	down
PCI_8583	MFS-type transporter 1	24.58	16.14	5.50	5.48	3.71	1.89	0.00	0.00	up
PCI_8587	Hypothetical protein	91.27	44.67	241.12	199.24	0.31	-1.70	0.00	0.00	down
PCI_8595	protein AN7484	7.48	1.46	21.06	25.64	0.19	-2.38	0.00	0.00	down
PCI_8596	Siderophore iron transporter	104.52	80.63	36.81	37.55	2.49	1.32	0.00	0.00	up

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PCI_8598	agmatinase 2	48.70	42.23	17.01	17.69	2.62	1.39	0.00	0.00	up
PCI_8602	RNA exonuclease 4	42.90	50.24	11.66	11.64	4.00	2.00	0.00	0.00	up
PCI_8605	Cell wall alpha-1,3-glucan synthase ags1	62.64	63.98	16.52	19.56	3.51	1.81	0.00	0.00	up
PCI_8607	Glutathione S-transferase-like protein gedE	164.11	83.68	359.17	418.56	0.32	-1.65	0.00	0.00	down
PCI_8610	Hypothetical protein	0.71	0.34	0.00	0.05	21.21	4.41	0.01	0.03	up
PCI_8619	Diacetyl reductase	5.60	1.67	12.50	12.56	0.29	-1.78	0.00	0.00	down
PCI_8621	U3 small nucleolar RNA-associated protein 5	58.11	69.29	29.48	27.29	2.24	1.17	0.00	0.00	up
PCI_8627	2-oxoglutarate-dependent dioxygenase FGSG_00048	63.85	58.52	17.53	14.32	3.84	1.94	0.00	0.00	up
PCI_8630	Choline monooxygenase, chloroplastic	3.05	0.49	0.15	0.07	15.81	3.98	0.00	0.00	up
PCI_8631	Secernin-2	0.45	0.44	0.08	0.16	3.85	1.94	0.01	0.03	up
PCI_8634	Inositol phosphosphingolipids phospholipase C	11.48	9.59	33.04	25.26	0.36	-1.47	0.00	0.00	down
PCI_8635	Thiamine thiazole synthase	202.00	210.95	516.43	485.48	0.41	-1.28	0.00	0.00	down
PCI_8636	MFS transporter prlL	1.66	1.40	3.64	4.71	0.37	-1.45	0.00	0.00	down
PCI_8639	Sphingolipid long chain base-responsive protein LSP1	48.38	5.95	179.52	161.53	0.16	-2.65	0.02	0.04	down
PCI_8641	Vegetative incompatibility protein HET-E-1	5.28	4.20	1.98	1.74	2.55	1.35	0.00	0.00	up
PCI_8642	DNA-directed RNA polymerase I subunit RPA2	32.95	38.81	15.77	14.15	2.40	1.26	0.00	0.00	up
PCI_8651	M-phase inducer phosphatase	23.54	16.12	46.19	50.23	0.41	-1.28	0.00	0.00	down
PCI_8655	Vegetative incompatibility protein HET-E-1	3.53	4.72	1.88	2.17	2.03	1.02	0.00	0.00	up
PCI_8656	Hypothetical protein	11.86	12.73	5.22	5.14	2.38	1.25	0.00	0.00	up
PCI_8660	MFS transporter prlL	0.61	0.71	1.31	1.91	0.41	-1.29	0.01	0.01	down
PCI_8661	N amino acid transport system protein	59.06	73.96	10.36	10.82	6.28	2.65	0.00	0.00	up

PCI_8666	4-hydroxyphenylpyruvate dioxxygenase 2	6.82	5.11	18.02	17.04	0.34	-1.55	0.00	0.00	down
PCI_8676	alpha-1,2-galactosyltransferase C8D2.17	16.15	10.81	54.38	51.56	0.25	-1.97	0.00	0.00	down
PCI_8678	Psi-producing oxygenase A	20.81	32.23	7.52	9.28	3.16	1.66	0.00	0.00	up
PCI_8683	High mobility group, superfamily	2.20	1.66	33.45	34.25	0.06	-4.13	0.00	0.00	down
PCI_8685	Mannose-6-phosphate isomerase	6.60	1.35	29.97	36.31	0.12	-3.06	0.00	0.01	down
PCI_8689	Spore development regulator vosA	17.53	11.17	58.11	55.11	0.25	-1.98	0.00	0.00	down
PCI_8693	acetyltransferase C18B11.09c	3.43	3.99	9.68	13.05	0.33	-1.61	0.00	0.00	down
PCI_8694	General alpha-glucoside permease	4.82	3.52	18.89	16.93	0.23	-2.10	0.00	0.00	down
PCI_8701	Hypothetical protein	4443.23	2033.27	12756.46	12068.18	0.26	-1.94	0.00	0.00	down
PCI_8702	Hypothetical protein	1029.78	398.15	5587.28	6127.68	0.12	-3.04	0.00	0.00	down
PCI_8703	Hypothetical protein	0.05	0.12	0.51	0.60	0.15	-2.76	0.01	0.02	down
PCI_8706	Hypothetical protein	1.34	1.39	9.91	14.05	0.11	-3.13	0.00	0.00	down
PCI_8707	Hypothetical protein	0.16	0.19	0.80	0.95	0.20	-2.32	0.00	0.00	down
PCI_8708	Hypothetical protein	5.42	12.57	87.31	196.13	0.06	-3.98	0.00	0.00	down
PCI_8710	Hypothetical protein	0.06	0.14	0.45	1.09	0.13	-2.98	0.02	0.03	down
PCI_8711	Carboxypeptidase cpdS	106.07	88.35	420.43	467.20	0.22	-2.19	0.00	0.00	down
PCI_8719	Serine/threonine-protein kinase rio1	48.16	51.73	20.77	26.14	2.13	1.09	0.00	0.00	up
PCI_8720	Autophagy-related protein 17	20.13	13.34	39.25	37.84	0.43	-1.20	0.00	0.00	down
PCI_8722	DUF1275 domain protein	3.65	2.41	28.53	33.69	0.10	-3.36	0.00	0.00	down
PCI_8723	Hypothetical protein	2.42	0.72	7.91	8.68	0.19	-2.40	0.00	0.00	down
PCI_8726	arabinan endo-1,5-alpha-L-arabinosidase B	30.27	21.65	92.68	71.04	0.32	-1.66	0.00	0.00	down
PCI_8738	dihydroxy-acid dehydratase, mitochondrial	178.49	205.22	101.54	89.89	2.00	1.00	0.00	0.00	up
PCI_8747	hemerythrin-like protein C869.06c	4.34	4.14	6.21	10.90	0.50	-1.01	0.02	0.04	down
PCI_8752	N-acetylmuramic acid 6-	1.43	1.17	5.42	4.55	0.26	-1.94	0.00	0.00	down

	phosphate etherase									
PCI_8753	UNC93-like protein C922.05c	26.69	17.89	97.88	85.58	0.24	-2.04	0.00	0.00	down
PCI_8756	FAD-linked oxidoreductase aurO	1.10	0.95	0.12	0.16	7.58	2.92	0.00	0.00	up
PCI_8757	Hypothetical protein	2.27	2.14	5.89	6.27	0.36	-1.46	0.00	0.00	down
PCI_8765	Protein of unknown function DUF3433	11.79	12.46	34.29	33.82	0.36	-1.49	0.00	0.00	down
PCI_8766	High-affinity glucose transporter	6.19	4.76	22.80	31.42	0.20	-2.31	0.00	0.00	down
PCI_8771	Hypothetical protein	31.38	98.94	15.62	15.23	4.22	2.08	0.00	0.00	up
PCI_8780	MFS-type transporter dbaD	10.27	5.77	29.44	23.98	0.30	-1.74	0.00	0.00	down
PCI_8788	Nonribosomal peptide synthase phqB	13.98	12.23	47.24	44.12	0.29	-1.80	0.00	0.00	down
PCI_8794	Hypothetical protein	9.76	9.41	4.04	4.07	2.36	1.24	0.00	0.00	up
PCI_8795	Hypothetical protein	4.00	2.20	7.73	8.92	0.37	-1.42	0.00	0.01	down
PCI_8808	ATP-dependent RNA helicase dbp9	60.16	69.19	22.00	25.36	2.73	1.45	0.00	0.00	up
PCI_8810	Lysophosphatidylcholine acyltransferase	24.78	30.65	13.27	13.40	2.08	1.06	0.00	0.00	up
PCI_8813	Hypothetical protein	6.64	5.60	2.36	3.46	2.10	1.07	0.00	0.00	up
PCI_8815	Hypothetical protein	6.65	6.63	24.40	24.55	0.27	-1.88	0.00	0.00	down
PCI_8816	Peroxisomal sarcosine oxidase	110.99	45.13	3.94	3.95	19.77	4.31	0.00	0.00	up
PCI_8817	Hypothetical protein	0.68	0.25	0.00	0.06	16.21	4.02	0.01	0.01	up
PCI_8822	Histone H4.1	336.10	246.77	660.85	570.67	0.47	-1.08	0.00	0.00	down
PCI_8827	Hypothetical protein	0.11	0.39	0.73	1.28	0.25	-2.00	0.02	0.05	down
PCI_8828	Hypothetical protein	2.33	3.93	1.19	1.30	2.52	1.33	0.00	0.00	up
PCI_8831	malate dehydrogenase	0.18	0.25	1.01	0.85	0.23	-2.13	0.02	0.03	down
PCI_8833	C2H2 finger domain transcription factor mtfA	7.70	9.94	28.12	23.41	0.34	-1.55	0.00	0.00	down
PCI_8834	Urocanate reductase	5.41	4.77	12.02	11.53	0.43	-1.21	0.00	0.00	down
PCI_8839	DNA-directed RNA polymerases I and III subunit RPAC1	67.68	79.89	35.96	37.12	2.02	1.01	0.00	0.00	up
PCI_8847	alpha-L-arabinofuranosidase	0.68	1.96	11.44	10.02	0.12	-3.03	0.00	0.00	down

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PCI_8848	endopolygalacturonase D	30.06	22.94	1.52	1.30	18.79	4.23	0.00	0.00	up
PCI_8849	Ribosome biogenesis protein bms1	27.12	29.43	12.98	13.12	2.17	1.12	0.00	0.00	up
PCI_8860	NAD dependent epimerase/dehydratase	0.95	1.66	11.93	9.72	0.12	-3.05	0.00	0.00	down
PCI_8862	Glucose 1-dehydrogenase	2.00	0.87	0.29	0.50	3.65	1.87	0.01	0.02	up
PCI_8864	Calcium uniporter protein 2, mitochondrial	13.89	30.19	56.71	52.86	0.40	-1.31	0.00	0.01	down
PCI_8865	Hypothetical protein	0.14	0.00	0.70	1.40	0.07	-3.90	0.01	0.02	down
PCI_8867	Hypothetical protein	2.74	2.71	1.05	1.25	2.37	1.25	0.00	0.00	up
PCI_8882	Maltose fermentation regulatory protein MAL13	6.29	7.27	36.41	42.12	0.17	-2.53	0.00	0.00	down
PCI_8883	Alpha-glucosidase	19.68	18.96	105.30	111.30	0.18	-2.49	0.00	0.00	down
PCI_8885	Transcriptional activator of proteases prtT	168.30	124.04	302.26	350.36	0.45	-1.16	0.00	0.00	down
PCI_8886	MFS transporter prIL	6.22	2.27	9.12	11.95	0.40	-1.31	0.01	0.02	down
PCI_8888	homeobox protein Meis3-like 1	46.56	46.90	102.46	96.38	0.47	-1.09	0.00	0.00	down
PCI_8895	Endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase	14.74	10.54	73.28	69.66	0.18	-2.50	0.00	0.00	down
PCI_8898	Hypothetical protein	31.80	36.02	3.73	3.58	9.28	3.21	0.00	0.00	up
PCI_8905	Beta-galactosidase	0.82	0.74	2.21	2.10	0.36	-1.47	0.00	0.00	down
PCI_8911	efflux pump antibiotic resistance protein	5.49	3.54	12.98	17.15	0.30	-1.74	0.00	0.00	down
PCI_8912	Hypothetical protein	79.86	72.28	237.47	235.75	0.32	-1.64	0.00	0.00	down
PCI_8913	Fatty acid hydroxylase vlmA	1.41	0.92	0.19	0.30	4.71	2.24	0.00	0.00	up
PCI_8919	NAD(P)-binding domain	16.19	15.68	40.57	33.76	0.43	-1.22	0.00	0.00	down
PCI_8920	isoflavone reductase family protein CipA,	15.19	8.91	27.19	40.17	0.36	-1.48	0.00	0.00	down
PCI_8923	beta-1,3-GlcNAc transferase	34.04	40.20	95.42	90.52	0.40	-1.32	0.00	0.00	down
PCI_8932	Homocitrate synthase, mitochondrial	112.77	118.83	57.46	57.06	2.02	1.02	0.00	0.00	up
PCI_8945	Glycerol kinase 3	0.59	0.41	0.08	0.10	5.68	2.50	0.00	0.00	up
PCI_8949	alpha/beta hydrolase R526	0.37	0.21	1.52	1.91	0.17	-2.56	0.00	0.00	down

PCI_8954	6-methylsalicylic acid decarboxylase atA	0.72	0.54	2.01	2.31	0.29	-1.78	0.00	0.00	down
PCI_8961	Endo-chitosanase C	5.64	6.42	57.29	75.93	0.09	-3.47	0.00	0.00	down
PCI_8975	Protein of unknown function DUF2011	21.28	26.52	12.01	11.24	2.06	1.04	0.00	0.00	up
PCI_8985	GMC oxidoreductase family protein Mala s 12	1.59	0.76	3.98	4.70	0.27	-1.88	0.00	0.00	down
PCI_8986	Laccase abr2	36.84	21.41	130.58	131.10	0.22	-2.17	0.00	0.00	down
PCI_8989	feruloyl esterase B-2	3.63	4.48	0.93	1.69	3.09	1.63	0.00	0.00	up
PCI_8992	Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial	165.83	265.82	91.24	94.23	2.33	1.22	0.00	0.00	up
PCI_8993	proline dehydrogenase, mitochondrial	95.10	151.65	30.85	33.07	3.86	1.95	0.00	0.00	up
PCI_8999	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial	6.69	4.75	31.03	34.27	0.18	-2.51	0.00	0.00	down
PCI_9000	Tyrosine-protein phosphatase	1.03	3.38	17.76	20.24	0.12	-3.11	0.00	0.00	down
PCI_9001	Beta-mannosidase A	2.42	1.87	5.36	6.43	0.36	-1.46	0.00	0.00	down
PCI_9002	Multidrug transporter TPO3	11.16	5.89	0.17	0.15	53.93	5.75	0.00	0.00	up
PCI_9005	Activator of stress genes 1	5.60	4.98	11.11	11.58	0.47	-1.10	0.00	0.00	down
PCI_9007	protein jhp_1324	18.94	13.63	49.68	71.68	0.27	-1.90	0.00	0.00	down
PCI_9010	Acyl-coenzyme A thioesterase THEM4	8.63	8.37	0.70	0.63	12.73	3.67	0.00	0.00	up
PCI_9011	ATP-dependent RNA helicase mak5	28.43	31.00	13.25	11.71	2.38	1.25	0.00	0.00	up
PCI_9018	Hypothetical protein	12.39	12.63	76.86	93.50	0.15	-2.77	0.00	0.00	down
PCI_9029	Nitrogen metabolite regulation-like protein bik4	4.42	1.64	0.86	1.34	2.75	1.46	0.01	0.03	up
PCI_9032	Hypothetical protein	15.68	13.15	0.05	0.20	115.23	6.85	0.00	0.00	up
PCI_9037	Hypothetical protein	0.54	0.51	3.46	4.25	0.14	-2.88	0.00	0.00	down
PCI_9040	Pre-rRNA-processing protein TSR2 homolog	42.20	53.72	17.82	20.62	2.50	1.32	0.00	0.00	up
PCI_9045	DNA repair protein rhp41	4.07	3.37	8.01	8.23	0.46	-1.13	0.00	0.00	down
PCI_9046	Secondary metabolism regulator LAE1	12.72	13.45	4.95	4.84	2.67	1.42	0.00	0.00	up

PCI_9053	Kelch repeat-containing protein 3	21.89	24.06	9.01	8.48	2.63	1.39	0.00	0.00	up
PCI_9062	Alternative oxidase, mitochondrial	25.30	38.81	5.79	7.61	4.78	2.26	0.00	0.00	up
PCI_9070	Retinoid isomerohydrolase	9.10	8.12	3.29	3.96	2.38	1.25	0.00	0.00	up
PCI_9088	Hypothetical protein	5.14	3.52	10.38	10.94	0.41	-1.30	0.00	0.00	down
PCI_9089	E3 ubiquitin-protein ligase UPL4	1.10	0.71	4.61	3.09	0.23	-2.09	0.00	0.00	down
PCI_9090	Hypothetical protein	0.37	1.49	0.27	0.13	4.60	2.20	0.01	0.03	up
PCI_9100	Interferon-induced GTP-binding protein Mx1	0.90	1.11	2.45	2.21	0.43	-1.21	0.00	0.00	down
PCI_9103	Hypothetical protein	7.78	3.33	0.00	0.08	141.70	7.15	0.00	0.00	up
PCI_9115	4-hydroxyphenylpyruvate dioxygenase 1	66.31	36.56	136.71	116.36	0.41	-1.30	0.00	0.00	down
PCI_9116	Hypothetical protein	24.00	9.37	47.62	40.88	0.38	-1.41	0.00	0.00	down
PCI_9122	C6 transcription factor	3.91	1.49	7.26	8.92	0.33	-1.58	0.00	0.00	down
PCI_9123	Mitochondrial import inner membrane translocase subunit tim17	178.83	223.70	86.63	78.72	2.43	1.28	0.00	0.00	up
PCI_9124	ABC multidrug transporter atrB	0.90	0.17	2.65	2.89	0.19	-2.37	0.00	0.00	down
PCI_9125	Hypothetical protein	12.83	12.77	26.43	25.58	0.49	-1.02	0.00	0.00	down
PCI_9126	Acetamidase	21.76	24.73	66.08	76.38	0.33	-1.62	0.00	0.00	down
PCI_9129	Calpain-type cysteine protease ADL1	2.24	4.27	0.95	0.80	3.73	1.90	0.00	0.00	up
PCI_9130	Regulatory protein alcR	0.24	0.45	1.75	2.13	0.18	-2.49	0.00	0.00	down
PCI_9131	FAD-binding monooxygenase acrE	0.51	0.38	8.08	9.61	0.05	-4.32	0.00	0.00	down
PCI_9138	Alpha-1,3-mannosyltransferase CMT1	6.97	4.80	24.74	21.10	0.26	-1.96	0.00	0.00	down
PCI_9139	HECT-type ubiquitin ligase-interacting protein creD	112.47	91.03	43.75	53.30	2.10	1.07	0.00	0.00	up
PCI_9143	Cytochrome P450 monooxygenase gsF	0.88	0.55	0.12	0.25	3.88	1.96	0.00	0.01	up
PCI_9155	D-3-phosphoglycerate dehydrogenase 1,	28.68	27.80	62.00	85.84	0.38	-1.39	0.00	0.00	down

	chloroplastic									
PCI_9158	Antigenic thaumatin-like protein ARB_01932	1.75	1.43	1195.94	1360.66	0.00	-9.65	0	0	down
PCI_9164	UPF0303 protein RHECIAT_CH0003058	475.31	520.24	162.68	166.71	3.02	1.60	0.00	0.00	up
PCI_9169	reverse transcriptase	1.62	1.25	3.59	4.07	0.37	-1.42	0.00	0.00	down
PCI_9170	Transcription regulator LuxR	1.58	1.00	3.60	3.92	0.34	-1.54	0.00	0.00	down
PCI_9174	arsenate reductase	1.52	1.79	7.09	5.77	0.26	-1.96	0.00	0.00	down
PCI_9180	Low-affinity potassium transport protein	20.62	12.28	47.93	87.74	0.24	-2.04	0.00	0.00	down
PCI_9181	Hypothetical protein	8.91	4.97	12.24	16.08	0.49	-1.03	0.00	0.01	down
PCI_9183	Hypothetical protein	6.94	5.47	11.95	16.93	0.43	-1.22	0.00	0.00	down
PCI_9185	protein PAC_19191	4.66	2.60	7.11	10.05	0.42	-1.24	0.00	0.01	down
PCI_9202	amidase PB8B6.03	0.72	0.70	1.38	3.43	0.30	-1.75	0.00	0.01	down
PCI_9206	Protein argonaute 18	8.73	7.54	20.17	18.54	0.42	-1.25	0.00	0.00	down
PCI_9212	FAD-binding monooxygenase moxY	2.58	1.25	0.00	0.00	19115.68	14.22	0.00	0.00	up
PCI_9213	Aldehyde dehydrogenase	27.91	31.23	8.36	13.20	2.74	1.46	0.00	0.00	up
PCI_9214	B3/B4 tRNA-binding domain	4.29	2.65	1.29	1.63	2.38	1.25	0.00	0.01	up
PCI_9219	Hypothetical protein	0.21	0.36	0.08	0.06	4.03	2.01	0.00	0.00	up
PCI_9220	Notoamide biosynthesis cluster protein M'	23.99	31.22	8.04	11.53	2.82	1.50	0.00	0.00	up
PCI_9223	Hypothetical protein	263.94	152.66	796.61	662.74	0.29	-1.81	0.00	0.00	down
PCI_9224	cutinase 3	11.40	7.89	0.32	0.56	22.04	4.46	0.00	0.00	up
PCI_9225	CCAAT-binding factor [Penicillium griseofulvum]	31.88	34.76	15.03	14.01	2.29	1.20	0.00	0.00	up
PCI_9228	Zinc-regulated transporter 1	45.17	59.10	260.87	280.52	0.19	-2.38	0.00	0.00	down
PCI_9231	Hypothetical protein	15.64	62.27	401.56	472.75	0.09	-3.49	0.00	0.00	down
PCI_9232	Choline kinase alpha	4.49	6.78	1.28	1.29	4.38	2.13	0.00	0.00	up
PCI_9235	General alpha-glucoside permease	0.31	0.25	0.91	1.00	0.29	-1.78	0.00	0.00	down
PCI_9237	Hypothetical protein	34.44	33.02	2.40	2.36	14.17	3.83	0.00	0.00	up
PCI_9240	Hypothetical protein	3.88	3.39	10.64	10.69	0.34	-1.55	0.00	0.00	down
PCI_9243	Acetyl-CoA hydrolase	121.57	115.28	34.26	37.37	3.31	1.73	0.00	0.00	up
PCI_9244	Hypothetical protein	45.31	96.25	1.45	1.28	51.83	5.70	0.00	0.00	up

PCI_9245	Hypothetical protein	1.18	1.91	0.13	0.30	7.24	2.86	0.00	0.00	up
PCI_9250	indole-3-pyruvate monooxygenase YUCCA4	28.91	33.08	12.62	17.55	2.05	1.04	0.00	0.00	up
PCI_9252	Transcription factor fungi	3.03	1.79	7.76	8.37	0.30	-1.74	0.00	0.00	down
PCI_9253	Short chain dehydrogenase gsfE	65.30	102.89	0.98	1.29	74.07	6.21	0.00	0.00	up
PCI_9254	Leucine aminopeptidase 1	6.03	2.76	8.47	9.94	0.48	-1.07	0.01	0.02	down
PCI_9260	Ribokinase	0.66	1.06	0.20	0.19	4.38	2.13	0.00	0.01	up
PCI_9261	Hypothetical protein	7.50	6.16	3.40	3.14	2.09	1.06	0.00	0.00	up
PCI_9264	Killer toxin subunits alpha/beta	0.20	0.10	0.43	0.51	0.33	-1.61	0.02	0.05	down
PCI_9268	Para-nitrobenzyl esterase	2.45	2.16	0.11	0.10	22.43	4.49	0.00	0.00	up
PCI_9272	Hypothetical protein	2.58	3.48	0.32	0.50	7.37	2.88	0.00	0.00	up
PCI_9279	Oxidase ucsJ	14.81	8.93	27.58	27.45	0.43	-1.21	0.00	0.00	down
PCI_9287	MFS-type efflux pump MFS2	10.70	7.61	0.16	0.13	63.88	6.00	0.00	0.00	up
PCI_9292	transporter YIL166C	0.33	0.12	10.46	14.14	0.02	-5.79	0.00	0.00	down
PCI_9295	Major facilitator-type transporter ecdD	6.81	11.13	169.49	166.99	0.05	-4.23	0.00	0.00	down
PCI_9297	Hypothetical protein	2.59	4.39	73.85	116.62	0.04	-4.77	0.00	0.00	down
PCI_9298	Oxalate decarboxylase OxdC	1.25	0.82	102.66	151.15	0.01	-6.94	0.00	0.00	down
PCI_9299	Hypothetical protein	8.01	4.49	40.33	40.47	0.15	-2.69	0.00	0.00	down
PCI_9300	Histidine kinase 5	0.44	0.10	3.06	1.57	0.12	-3.10	0.00	0.00	down
PCI_9301	Hydrophobin	395.17	297.85	2.26	1.98	163.42	7.35	0.00	0.00	up
PCI_9309	Hypothetical protein	1.28	1.33	0.52	0.44	2.74	1.45	0.02	0.04	up
PCI_9310	Glycoside hydrolase, family 43	14.05	7.73	2.86	1.79	4.68	2.23	0.00	0.00	up
PCI_9311	mitochondrial chaperone BCS1-B	2.42	2.01	6.43	7.29	0.32	-1.63	0.00	0.00	down
PCI_9314	Hypothetical protein	482.56	290.06	3007.38	3058.07	0.13	-2.97	0.00	0.00	down
PCI_9319	Hypothetical protein	8.56	15.83	1.10	1.68	8.75	3.13	0.00	0.00	up
PCI_9320	Hypothetical protein	142.47	325.03	44.63	59.51	4.49	2.17	0.00	0.00	up
PCI_9323	Oxidoreductase claN	20.60	17.36	8.67	8.32	2.23	1.16	0.00	0.00	up
PCI_9325	Hypothetical protein	9.24	9.62	19.92	18.43	0.49	-1.02	0.00	0.00	down
PCI_9328	Hypothetical protein	20.08	20.35	49.23	50.76	0.40	-1.31	0.00	0.00	down
PCI_9334	alpha-1,6-	14.11	9.20	84.73	80.15	0.14	-2.82	0.00	0.00	down

	mannosyltransferase MNN10									
PCI_9338	monocarboxylate transporter 10	7.60	6.04	3.13	2.78	2.31	1.21	0.00	0.00	up
PCI_9346	Protein of unknown function DUF4237	60.87	40.21	827.50	872.68	0.06	-4.07	0.00	0.00	down
PCI_9347	squalene synthase	4.37	5.07	21.40	27.99	0.19	-2.39	0.00	0.00	down
PCI_9349	Mechanosensitive ion channel protein Msy1	66.14	68.68	20.94	20.14	3.28	1.71	0.00	0.00	up
PCI_9353	EthD domain-containing protein isoform 1	12.60	13.42	2.69	2.37	5.13	2.36	0.00	0.00	up
PCI_9355	Acetyltransferase pyr8	14.31	10.85	5.44	5.17	2.37	1.25	0.00	0.00	up
PCI_9356	CDP-alcohol phosphatidyltransferase class-I family protein 3	53.81	53.40	28.30	21.26	2.16	1.11	0.00	0.00	up
PCI_9360	Hypothetical protein	1.67	2.00	3.95	3.73	0.48	-1.06	0.00	0.00	down
PCI_9364	Aurasperone B biosynthesis cluster protein A	20.16	10.81	210.68	247.01	0.07	-3.89	0.00	0.00	down
PCI_9365	scyllo-inositol 2-dehydrogenase (NAD(+))	1.95	2.05	4.16	5.40	0.42	-1.26	0.00	0.00	down
PCI_9366	Hypothetical protein	0.78	0.48	3.29	3.30	0.19	-2.39	0.00	0.00	down
PCI_9370	Cellobiose dehydrogenase	13.74	15.79	0.26	0.14	73.44	6.20	0.00	0.00	up
PCI_9375	Polyketide cyclase, SnoaL-like protein	5.25	5.52	0.75	2.13	3.74	1.90	0.00	0.00	up
PCI_9376	MFS siderochrome iron transporter 1	1.04	0.57	0.01	0.14	10.42	3.38	0.00	0.00	up
PCI_9380	tRNA N6-adenosine threonylcarbamoyltransferase, mitochondrial	16.63	15.31	5.05	5.12	3.14	1.65	0.00	0.00	up
PCI_9392	Carnitine monooxygenase oxygenase subunit	60.78	11.88	0.04	0.12	472.62	8.88	0.00	0.00	up
PCI_9393	Serine/threonine-protein kinase srk1	1.21	2.96	8.21	8.12	0.26	-1.97	0.00	0.00	down
PCI_9394	c6 transcription factor	2.84	1.92	5.84	6.03	0.40	-1.32	0.00	0.00	down
PCI_9398	High-affinity glucose transporter HXT2	2.54	1.51	17.85	15.95	0.12	-3.06	0.00	0.00	down
PCI_9405	Lipase 1	3.25	1.87	10.26	11.80	0.23	-2.11	0.00	0.00	down

PCI_9410	Mitochondrial nuclease	69.20	80.66	27.01	29.30	2.66	1.41	0.00	0.00	up
PCI_9411	UPF0619 GPI-anchored membrane protein AFUA_3G00880	318.49	484.64	174.30	210.28	2.09	1.06	0.00	0.00	up
PCI_9420	glycosidase Rv0584	2.30	2.29	7.29	8.97	0.28	-1.83	0.00	0.00	down
PCI_9424	N amino acid transport system protein	0.76	0.80	2.41	3.09	0.28	-1.82	0.00	0.00	down
PCI_9425	carbohydrate-binding module family 1 protein	17.61	13.80	2.43	2.85	5.95	2.57	0.00	0.00	up
PCI_9427	Major facilitator superfamily multidrug transporter NAG4	17.64	12.21	60.27	50.99	0.27	-1.90	0.00	0.00	down
PCI_9429	Hypothetical protein	15.34	12.02	29.83	27.51	0.48	-1.07	0.00	0.00	down
PCI_9430	Maltose permease MAL31	1.44	1.01	3.25	3.13	0.38	-1.38	0.00	0.00	down
PCI_9437	Citrate synthase-like protein	453.72	390.89	118.38	118.85	3.56	1.83	0.00	0.00	up
PCI_9438	Efflux pump FUB11	32.57	39.69	10.16	7.47	4.10	2.03	0.00	0.00	up
PCI_9453	Trans-enoyl reductase fsr4	21.24	14.09	6.73	7.30	2.52	1.33	0.00	0.00	up
PCI_9454	Alpha-L-arabinofuranosidase A	4.44	4.23	10.37	10.51	0.42	-1.27	0.00	0.00	down
PCI_9455	Sucrose/H ⁺ symporter	5.30	6.55	1.75	2.90	2.55	1.35	0.00	0.00	up
PCI_9458	transcription factor C2H2	21.60	19.12	1.41	2.11	11.57	3.53	0.00	0.00	up
PCI_9464	Acyl-CoA dehydrogenase fadE12	1.59	1.49	0.77	0.75	2.03	1.02	0.00	0.01	up
PCI_9465	sterigmatocystin biosynthesis monooxygenase stcW	30.77	35.56	5.27	5.75	6.02	2.59	0.00	0.00	up
PCI_9466	Quinate permease	3.10	3.17	0.94	0.81	3.58	1.84	0.00	0.00	up
PCI_9477	L-pipecolate oxidase	32.07	23.50	10.27	10.89	2.63	1.39	0.00	0.00	up
PCI_9478	Major facilitator superfamily transporter mfsA	0.20	0.42	2.44	1.87	0.14	-2.79	0.00	0.00	down
PCI_9479	Cyanovirin-N homolog	0.24	0.00	1.15	1.52	0.09	-3.50	0.02	0.03	down
PCI_9487	Membrane attack complex component/perforin (MACPF) domain	5.62	5.38	1.07	1.36	4.53	2.18	0.00	0.00	up
PCI_9497	Catalase A	1.24	0.35	3.06	4.04	0.22	-2.16	0.00	0.00	down

Table S4 Comparative analyses for transcriptomes of *Penicillium citrinum* grown on tobacco leaves for 2 and 3 days

GeneID	Annotation	TL3D_R1	TL3D_R2	TL2D_R1	TL2D_R2	Fold change	log2 (fold change)	P-value	FDR	Regulation
PCI_0010	3-phytase B	1.17	1.23	4.38	3.63	0.30	-1.74	0.00	0.00	down
PCI_0024	Hypothetical protein	126.50	141.82	63.85	51.11	2.33	1.22	0.00	0.00	up
PCI_0025	Hypothetical protein	81.75	76.81	196.35	227.11	0.37	-1.42	0.00	0.00	down
PCI_0101	Pyruvate decarboxylase	12.63	14.75	1.22	0.40	16.90	4.08	0.00	0.00	up
PCI_0135	Hypothetical protein	14.87	16.43	38.07	28.11	0.47	-1.08	0.00	0.00	down
PCI_0138	Hypothetical protein	0.85	0.58	2.32	3.69	0.24	-2.06	0.00	0.00	down
PCI_0164	Hypothetical protein	1.37	1.53	0.58	0.35	3.13	1.65	0.00	0.00	up
PCI_0166	Fumarylacetoacetate (FAA) hydrolase	2.63	1.79	0.48	0.16	6.97	2.80	0.00	0.00	up
PCI_0181	Hypothetical protein	0.24	0.13	0.00	0.00	1869.23	10.87	0.01	0.04	up
PCI_0227	Hydrophobin	15365.04	17804.11	6085.26	3764.25	3.37	1.75	0.00	0.00	up
PCI_0244	Hypothetical protein	12.15	10.68	6.54	2.09	2.65	1.40	0.00	0.03	up
PCI_0246	Hypothetical protein	15.93	18.22	6.10	3.70	3.48	1.80	0.00	0.00	up
PCI_0268	Major facilitator superfamily multidrug transporter NAG4	0.64	0.87	1.63	1.75	0.45	-1.16	0.00	0.01	down
PCI_0272	Isocyanide synthase xanB	5.29	5.48	2.86	1.76	2.33	1.22	0.00	0.00	up
PCI_0273	Transcription factor himD	4.02	3.51	2.08	1.57	2.06	1.04	0.00	0.00	up
PCI_0305	Hypothetical protein	250.80	179.04	33.65	34.96	6.26	2.65	0.00	0.00	up
PCI_0343	protein EN45_103900	33.37	35.73	50.35	97.66	0.47	-1.10	0.00	0.01	down
PCI_0357	3-(3-hydroxy-phenyl)propionate/3-hydroxycinnamic acid hydroxylase	5.03	3.02	2.14	1.50	2.21	1.14	0.00	0.01	up
PCI_0360	Nitrilase blr3397	8.69	7.67	1.31	1.14	6.67	2.74	0.00	0.00	up
PCI_0369	Endochitinase B1	28.56	22.51	12.49	4.19	3.06	1.61	0.00	0.00	up
PCI_0376	Ribosome maturation protein SBDS	162.54	152.02	44.89	88.63	2.36	1.24	0.00	0.00	up
PCI_0377	Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 2 protein	3.04	3.21	0.63	1.67	2.71	1.44	0.00	0.02	up
PCI_0387	Glucan 1,3-beta-glucosidase	2.85	2.54	1.69	0.88	2.10	1.07	0.00	0.02	up

PCI_0474	endo-1,3(4)-beta-glucanase ARB_01444	135.35	169.35	49.39	28.30	3.92	1.97	0.00	0.00	up
PCI_0485	Vanillyl-alcohol oxidase	1.35	1.28	0.70	0.49	2.21	1.14	0.00	0.01	up
PCI_0537	glucan 1,3-beta-glucosidase A	377.08	512.84	61.90	47.25	8.15	3.03	0.00	0.00	up
PCI_0541	Hypothetical protein	293.67	182.76	26.22	3.33	16.12	4.01	0.00	0.00	up
PCI_0547	aspartic-type endopeptidase opsB	1.38	1.82	3.75	3.74	0.43	-1.23	0.00	0.00	down
PCI_0559	Protein SOK1	36.88	55.47	15.40	13.53	3.19	1.67	0.00	0.00	up
PCI_0564	Hypothetical protein	1.77	1.98	0.31	0.48	4.79	2.26	0.00	0.00	up
PCI_0608	HLH DNA binding domain protein	11.74	14.00	50.87	32.65	0.31	-1.70	0.00	0.00	down
PCI_0623	transmembrane protein	6.46	6.65	13.55	31.20	0.29	-1.77	0.00	0.00	down
PCI_0627	Hypothetical protein	8.94	6.06	4.07	2.84	2.17	1.12	0.00	0.02	up
PCI_0629	Hypothetical protein	89.98	45.01	11.90	10.89	5.92	2.57	0.00	0.00	up
PCI_0649	NmrA-like family protein	4.04	2.82	0.45	0.41	7.96	2.99	0.00	0.00	up
PCI_0650	alpha/beta hydrolase fold family protein	22.90	18.75	33.95	53.97	0.47	-1.08	0.00	0.00	down
PCI_0657	MFS transporter prIL	0.72	0.42	0.05	0.00	23.36	4.55	0.00	0.00	up
PCI_0663	30 kDa heat shock protein	41.37	48.50	19.05	8.50	3.26	1.71	0.00	0.00	up
PCI_0677	NADH:flavin oxidoreductase FG08077	167.49	160.33	587.93	274.88	0.38	-1.40	0.00	0.00	down
PCI_0679	Indoleamine 2,3-dioxygenase	9.06	7.79	3.74	3.54	2.32	1.21	0.00	0.00	up
PCI_0704	UPF0442 protein C7D4.12c	15.41	20.22	4.65	2.28	5.14	2.36	0.00	0.00	up
PCI_0713	Macro domain-containing protein CT2219	26.13	22.32	9.09	13.74	2.12	1.09	0.00	0.00	up
PCI_0719	Hypothetical protein	8.60	3.70	1.36	0.09	8.50	3.09	0.00	0.02	up
PCI_0733	Hypothetical protein	80.40	110.50	41.68	21.53	3.02	1.59	0.00	0.00	up
PCI_0736	Alcohol dehydrogenase	86.99	63.41	9.60	0.69	14.61	3.87	0.01	0.04	up
PCI_0737	Hypothetical protein	32.54	21.06	1.06	0.07	47.64	5.57	0.00	0.00	up
PCI_0745	vacuolar protein sorting- associated protein TDA6	10.97	9.15	5.17	2.75	2.54	1.34	0.00	0.00	up
PCI_0763	RNA-dependent RNA polymerase 1	1.11	0.96	0.43	0.34	2.70	1.43	0.00	0.00	up
PCI_0782	Hypothetical protein	8.38	6.48	1.44	3.71	2.88	1.53	0.00	0.03	up
PCI_0812	Zinc finger, C2H2-like	65.28	75.69	105.40	230.39	0.42	-1.25	0.00	0.01	down

PCI_0815	FAD-linked oxidoreductase ARB_02372	16.49	16.60	1.09	0.41	22.08	4.46	0.00	0.00	up
PCI_0816	alpha/beta hydrolase fold-3 domain containing protein	15.46	9.68	0.71	0.84	16.21	4.02	0.00	0.00	up
PCI_0842	Hypothetical protein	30.93	22.23	4.16	3.99	6.52	2.71	0.00	0.00	up
PCI_0857	Siderophore iron transporter mirB	7.37	8.47	14.75	17.24	0.50	-1.01	0.00	0.00	down
PCI_0890	Chitinase A1	312.76	315.82	121.51	77.04	3.17	1.66	0.00	0.00	up
PCI_0913	Hypothetical protein	5.49	3.15	0.70	0.14	10.25	3.36	0.00	0.00	up
PCI_0929	protein of unknown function DUF924	11.54	8.38	3.07	4.60	2.60	1.38	0.00	0.00	up
PCI_0992	Hypothetical protein	27.06	30.51	13.98	8.82	2.52	1.34	0.00	0.00	up
PCI_0997	Hypothetical protein	53.82	36.80	5.10	0.49	16.22	4.02	0.00	0.02	up
PCI_1048	Xylose isomerase-like, TIM barrel domain	2.76	2.62	0.94	1.19	2.53	1.34	0.00	0.00	up
PCI_1049	Hypothetical protein	399.48	445.98	150.01	92.00	3.49	1.80	0.00	0.00	up
PCI_1072	Beta-glucan synthesis- associated protein KRE6	90.34	105.59	37.58	20.18	3.39	1.76	0.00	0.00	up
PCI_1122	Quinic acid utilization activator	4.28	3.70	1.94	1.86	2.10	1.07	0.00	0.00	up
PCI_1136	Hypothetical protein	6.10	5.80	3.54	2.20	2.07	1.05	0.00	0.01	up
PCI_1150	NACHT domain protein	1.54	1.11	0.60	0.42	2.58	1.37	0.00	0.00	up
PCI_1152	Alpha-L-rhamnosidase	4.37	3.20	0.77	0.60	5.54	2.47	0.00	0.00	up
PCI_1153	Glucose-repressible gene protein	1507.11	923.95	161.41	121.97	8.58	3.10	0.00	0.00	up
PCI_1188	acetyl-CoA acetyltransferas- like protein	5.04	2.88	0.54	0.24	10.18	3.35	0.00	0.00	up
PCI_1196	acetylxytan esterase precursor,	7.03	4.67	2.75	2.40	2.27	1.19	0.00	0.01	up
PCI_1197	NmrA-like family domain- containing protein 1	53.46	38.87	21.25	14.38	2.59	1.37	0.00	0.00	up
PCI_1256	Dihydroxyacetone synthase	0.89	0.73	0.26	0.05	5.25	2.39	0.00	0.02	up
PCI_1262	Nitrate reductase	22.63	18.40	5.81	2.27	5.08	2.34	0.00	0.00	up
PCI_1264	catechol O-methyltransferase 2	159.31	134.68	29.20	6.85	8.16	3.03	0.00	0.00	up
PCI_1265	Phenol hydroxylase	43.10	40.67	9.52	1.87	7.35	2.88	0.00	0.02	up

PCI_1266	solid-state culture specific ATP-grasp domain protein	27.66	25.00	12.55	9.06	2.44	1.28	0.00	0.00	up
PCI_1275	Quinone reductase	34.61	26.23	9.32	3.95	4.58	2.20	0.00	0.00	up
PCI_1291	Sugar transport protein 1	0.08	0.08	0.00	0.00	799.04	9.64	0.01	0.04	up
PCI_1301	Hypothetical protein	1.96	1.23	0.48	0.17	4.92	2.30	0.00	0.01	up
PCI_1371	Hypothetical protein	3.79	4.81	12.12	8.18	0.42	-1.24	0.00	0.00	down
PCI_1385	oxidoreductase AN7799	49.77	33.96	5.99	3.84	8.52	3.09	0.00	0.00	up
PCI_1392	cell surface protein	85.53	77.77	9.22	24.07	4.91	2.29	0.00	0.01	up
PCI_1393	FAD-linked oxidoreductase sorD	4.57	4.92	2.35	0.96	2.87	1.52	0.00	0.01	up
PCI_1394	Protein of unknown function DUF395, YeeE/YedE	5.82	5.96	3.23	2.30	2.13	1.09	0.00	0.02	up
PCI_1410	Transcription factor atf21	207.69	138.85	19.70	16.62	9.54	3.25	0.00	0.00	up
PCI_1411	Mitogen-activated protein kinase HOG1	12.55	10.31	3.04	3.00	3.78	1.92	0.00	0.00	up
PCI_1439	Hypothetical protein	1.07	0.90	0.46	0.17	3.10	1.63	0.01	0.04	up
PCI_1460	Protein of unknown function DUF1774, fungi	138.98	116.87	41.30	35.39	3.34	1.74	0.00	0.00	up
PCI_1476	Hypothetical protein	30.86	34.24	5.25	3.85	7.15	2.84	0.00	0.00	up
PCI_1520	Endoglucanase-4	9.46	11.57	29.52	42.42	0.29	-1.77	0.00	0.00	down
PCI_1527	Hypothetical protein	2.10	1.95	1.09	0.42	2.69	1.43	0.01	0.05	up
PCI_1560	Citrate exporter 1	1.72	1.66	0.65	0.52	2.89	1.53	0.00	0.00	up
PCI_1561	Bifunctional L-3- cyanoalanine synthase/cysteine synthase, mitochondrial	3.16	4.18	1.17	0.59	4.17	2.06	0.00	0.00	up
PCI_1562	Riboflavin synthase-like beta- barrel	36.86	40.23	10.32	4.89	5.07	2.34	0.00	0.00	up
PCI_1566	Hypothetical protein	1.12	1.03	0.16	0.17	6.45	2.69	0.00	0.00	up
PCI_1573	Protein of unknown function DUF2945	17.31	6.32	4.85	1.41	3.78	1.92	0.00	0.02	up
PCI_1586	Spermatogenesis-associated protein 20	34.16	33.16	13.70	14.14	2.42	1.27	0.00	0.00	up
PCI_1595	Vitamin B6 transporter TPN1	60.00	70.44	12.90	5.88	6.95	2.80	0.00	0.00	up
PCI_1598	Cyanamide hydratase	20.13	16.86	5.76	4.71	3.53	1.82	0.00	0.00	up

PCI_1601	Hypothetical protein	52.17	38.55	14.62	17.02	2.87	1.52	0.00	0.00	up
PCI_1609	ABC multidrug transporter atrA	8.42	7.49	2.04	0.70	5.83	2.54	0.00	0.00	up
PCI_1619	Hypothetical protein	11.42	11.56	24.47	60.14	0.27	-1.88	0.00	0.00	down
PCI_1623	Protein of unknown function DUF3455	50.67	53.54	130.24	82.91	0.49	-1.03	0.00	0.00	down
PCI_1656	External alternative NAD(P)H-ubiquinone oxidoreductase B1, mitochondrial	34.94	28.87	12.03	15.21	2.34	1.23	0.00	0.00	up
PCI_1659	Superoxide dismutase	2.18	1.76	8.78	18.75	0.14	-2.80	0.00	0.00	down
PCI_1692	Sugar transporter STL1	95.84	99.85	28.49	20.08	4.03	2.01	0.00	0.00	up
PCI_1706	Developmental regulatory protein wetA	130.86	155.08	34.37	18.13	5.45	2.45	0.00	0.00	up
PCI_1723	Zinc finger, CCCH-type	0.03	0.05	0.28	0.26	0.15	-2.75	0.00	0.01	down
PCI_1742	Transcription factor, fungi	1.20	1.14	0.51	0.30	2.91	1.54	0.00	0.02	up
PCI_1748	Hypothetical protein	5.58	7.52	2.45	2.51	2.64	1.40	0.00	0.00	up
PCI_1762	Phosphatidylinositol 4,5- bisphosphate-binding protein SLM1	74.45	68.78	34.21	35.80	2.05	1.03	0.00	0.00	up
PCI_1778	Hypothetical protein	201.98	134.25	27.24	9.49	9.15	3.19	0.00	0.00	up
PCI_1807	Hypothetical protein	66.79	58.17	14.35	20.99	3.54	1.82	0.00	0.00	up
PCI_1856	Conidiophore development regulator abaA	38.36	50.93	22.20	10.68	2.72	1.44	0.00	0.00	up
PCI_1879	Lipase 6	5.45	4.77	2.25	2.17	2.31	1.21	0.00	0.00	up
PCI_1905	extracellular serine-rich protein	2.98	1.56	0.28	0.04	14.63	3.87	0.00	0.00	up
PCI_1906	30 kDa heat shock protein	77.18	62.09	18.70	9.21	4.99	2.32	0.00	0.00	up
PCI_1907	Protein FMP42	15.47	14.72	4.75	4.20	3.38	1.75	0.00	0.00	up
PCI_1942	Kynureninase 2	41.51	46.58	102.61	98.00	0.44	-1.19	0.00	0.00	down
PCI_1943	Indoleamine 2,3-dioxygenase	19.14	23.83	48.98	44.99	0.46	-1.13	0.00	0.00	down
PCI_1970	Short-chain dehydrogenase/reductase phqE	5.30	4.95	2.97	1.92	2.09	1.07	0.00	0.01	up
PCI_2009	sterigmatocystin biosynthesis peroxidase stcC	71.00	69.37	228.29	196.02	0.33	-1.60	0.00	0.00	down

PCI_2010	Arrestin (or S-antigen) N-terminal domain family protein	1.65	1.04	3.67	5.57	0.29	-1.78	0.00	0.00	down
PCI_2020	C6 finger domain transcription factor iacK	5.79	5.05	2.85	2.52	2.02	1.01	0.00	0.00	up
PCI_2021	Reticulon-4-interacting protein 1 homolog, mitochondrial	2.47	0.99	0.49	0.21	4.90	2.29	0.00	0.01	up
PCI_2061	Cryptochrome-2	33.52	28.28	17.77	10.34	2.20	1.14	0.00	0.00	up
PCI_2062	Aspergillopepsin-2	0.59	0.54	0.00	0.00	5612.26	12.45	0.00	0.00	up
PCI_2074	Hypothetical protein	2.63	1.07	0.11	0.16	13.46	3.75	0.00	0.00	up
PCI_2104	alpha-L-arabinofuranosidase B	1.32	1.46	0.24	0.46	3.99	2.00	0.00	0.01	up
PCI_2105	Fusicoccadiene synthase	0.28	0.12	0.02	0.00	22.05	4.46	0.01	0.03	up
PCI_2115	Hydrophobin	607.31	712.81	1701.95	2136.65	0.34	-1.54	0.00	0.00	down
PCI_2124	dehydrogenase TR07	63.48	56.20	28.97	25.31	2.20	1.14	0.00	0.00	up
PCI_2134	Hypothetical protein	607.38	413.14	57.13	7.10	15.89	3.99	0.00	0.00	up
PCI_2156	Glutamyl-tRNA(Gln) amidotransferase subunit A	7.30	7.37	4.09	2.36	2.27	1.18	0.00	0.00	up
PCI_2195	Very-long-chain 3-oxoacyl-CoA reductase	20.87	17.37	10.65	8.11	2.04	1.03	0.00	0.00	up
PCI_2213	Phospholipase D/Transphosphatidylase	3.06	2.71	0.37	0.61	5.91	2.56	0.00	0.00	up
PCI_2233	Cytochrome P450 monooxygenase cich	2.41	1.96	1.09	0.99	2.10	1.07	0.00	0.01	up
PCI_2247	RelA/SpoT	19.99	17.56	3.71	2.05	6.52	2.70	0.00	0.00	up
PCI_2286	Dihydroantcapsin 7-dehydrogenase	20.30	14.73	1.59	0.39	17.69	4.14	0.00	0.00	up
PCI_2303	Hypothetical protein	1.56	0.98	3.24	6.28	0.27	-1.91	0.00	0.00	down
PCI_2306	High-affinity glucose transporter HXT2	24.89	28.27	4.50	4.45	5.94	2.57	0.00	0.00	up
PCI_2307	Domain of unknown function DUF2235	0.77	0.38	0.16	0.11	4.42	2.14	0.00	0.02	up
PCI_2310	Hydrophobin	4426.10	5053.98	1554.54	796.61	4.03	2.01	0.00	0.00	up
PCI_2347	Glycosyl transferase, group 1 family protein	5.68	6.98	12.76	18.66	0.40	-1.31	0.00	0.00	down

PCI_2348	extracellular serine-rich protein	23.94	36.45	81.34	95.99	0.34	-1.55	0.00	0.00	down
PCI_2350	spherulin-4	9.22	12.54	23.37	29.51	0.41	-1.28	0.00	0.00	down
PCI_2351	UDP-glucose 4-epimerase 5	4.13	5.71	11.12	18.58	0.33	-1.59	0.00	0.00	down
PCI_2364	Histone H1	308.88	332.76	176.20	135.56	2.06	1.04	0.00	0.00	up
PCI_2410	DUF1275 domain protein	43.04	40.42	9.50	2.58	6.91	2.79	0.00	0.00	up
PCI_2449	Grainyhead-like protein 1 homolog	29.10	24.61	5.28	2.92	6.55	2.71	0.00	0.00	up
PCI_2455	NmrA-like family domain-containing protein DDB_G0286605	24.47	18.87	6.23	2.49	4.97	2.31	0.00	0.00	up
PCI_2457	Hypothetical protein	1761.66	2655.96	367.48	174.27	8.15	3.03	0.00	0.00	up
PCI_2464	BTB domain transcription factor	24.21	15.69	3.10	1.52	8.64	3.11	0.00	0.00	up
PCI_2466	Tubulin binding cofactor C	50.06	43.69	23.09	21.69	2.09	1.07	0.00	0.00	up
PCI_2489	Serine/threonine-protein kinase PknK	51.61	48.33	26.61	14.19	2.45	1.29	0.00	0.00	up
PCI_2491	exopolygalacturonase C	3.80	2.71	1.07	0.94	3.22	1.69	0.00	0.00	up
PCI_2494	Hypothetical protein	62.13	48.36	10.89	2.39	8.32	3.06	0.00	0.01	up
PCI_2525	High-affinity potassium transport protein	20.14	21.07	11.49	5.50	2.43	1.28	0.00	0.00	up
PCI_2537	Carboxylic acid transporter protein homolog	0.35	0.09	0.00	0.02	16.40	4.04	0.01	0.05	up
PCI_2539	alpha/beta hydrolase	14.97	13.36	32.31	26.11	0.48	-1.04	0.00	0.00	down
PCI_2576	Yeast cell wall synthesis KRE9/KNH1	181.52	194.38	89.43	58.17	2.55	1.35	0.00	0.00	up
PCI_2600	Acyl-CoA synthetase short-chain family member 3, mitochondrial	7.65	7.13	4.25	3.08	2.02	1.01	0.00	0.00	up
PCI_2638	Amino acid transporter, transmembrane	2.85	2.34	5.92	4.64	0.49	-1.03	0.00	0.00	down
PCI_2643	Fungal transcriptional regulatory protein, N-terminal	2.83	2.94	3.84	7.86	0.49	-1.02	0.01	0.04	down
PCI_2652	Hypothetical protein	4.58	2.97	0.89	0.56	5.18	2.37	0.00	0.00	up
PCI_2666	Oxygen-dependent choline dehydrogenase	0.65	0.89	1.56	1.58	0.49	-1.03	0.00	0.02	down

PCI_2667	6-hydroxymellein synthase cdmE	0.90	1.15	4.03	3.22	0.28	-1.82	0.00	0.00	down
PCI_2698	Hypothetical protein	143.95	112.73	15.05	2.37	14.73	3.88	0.00	0.00	up
PCI_2722	Hypothetical protein	251.90	293.80	63.49	26.98	6.03	2.59	0.00	0.00	up
PCI_2723	Aspyridones efflux protein apdF	67.07	79.24	15.91	10.36	5.57	2.48	0.00	0.00	up
PCI_2726	Guanine nucleotide-binding protein alpha-2 subunit	28.50	18.81	3.20	0.26	13.68	3.77	0.01	0.04	up
PCI_2728	Heterokaryon incompatibility	0.27	0.17	0.05	0.06	4.29	2.10	0.00	0.00	up
PCI_2729	Hypothetical protein	1.80	1.81	0.72	0.67	2.59	1.37	0.00	0.01	up
PCI_2740	Hypothetical protein	3.37	2.56	0.98	0.36	4.45	2.15	0.00	0.01	up
PCI_2753	Superoxide dismutase	8.02	8.03	18.28	15.23	0.48	-1.06	0.00	0.00	down
PCI_2754	Oxygen-dependent choline dehydrogenase	10.32	12.15	28.77	23.48	0.43	-1.22	0.00	0.00	down
PCI_2755	Catalase	42.86	45.84	102.81	84.76	0.47	-1.08	0.00	0.00	down
PCI_2756	Sterol 3-beta- glucosyltransferase UGT80A2	6.63	6.97	1.54	0.39	7.02	2.81	0.00	0.00	up
PCI_2770	membrane protein C3B8.06	0.59	0.46	0.08	0.11	5.68	2.50	0.00	0.00	up
PCI_2797	Sporulation-specific protein 5	0.91	0.88	0.43	0.14	3.14	1.65	0.01	0.05	up
PCI_2806	Hypothetical protein	646.34	875.15	200.74	117.31	4.78	2.26	0.00	0.00	up
PCI_2824	Dimethylsulfoniopropionate lyase DddP	5.59	5.09	1.93	1.52	3.09	1.63	0.00	0.00	up
PCI_2830	alpha-ketoglutarate-dependent sulfonate dioxygenase	12.24	13.02	5.96	2.50	2.99	1.58	0.00	0.00	up
PCI_2848	NAD-dependent malic enzyme, mitochondrial	9.22	6.63	1.51	1.66	4.99	2.32	0.00	0.00	up
PCI_2882	Hypothetical protein	3.00	3.69	1.05	0.90	3.43	1.78	0.00	0.00	up
PCI_2887	High-affinity glucose transporter	45.24	49.31	18.49	24.55	2.20	1.14	0.00	0.00	up
PCI_2888	alpha-1,3- mannosyltransferase MNN14	16.09	20.64	5.78	5.26	3.33	1.73	0.00	0.00	up
PCI_3001	transaldolase	1.78	1.21	0.57	0.47	2.88	1.53	0.00	0.01	up
PCI_3002	Sugar transporter ERD6-like 7	2.56	2.58	1.20	0.64	2.80	1.49	0.00	0.00	up
PCI_3003	Amino acid transporter,	35.41	30.23	19.15	10.56	2.21	1.14	0.00	0.00	up

	transmembrane									
PCI_3065	Hypothetical protein	208.24	153.55	43.70	29.05	4.97	2.31	0.00	0.00	up
	Short chain									
PCI_3072	dehydrogenases/reductase	114.12	110.27	64.30	37.46	2.21	1.14	0.00	0.00	up
	notP'									
PCI_3078	Hypothetical protein	10.64	11.12	6.17	4.33	2.07	1.05	0.00	0.00	up
PCI_3079	Ergothioneine biosynthesis	43.33	36.90	10.89	6.72	4.56	2.19	0.00	0.00	up
	protein 1									
PCI_3081	Phosphate-repressible	2.68	3.19	7.96	6.15	0.42	-1.27	0.00	0.00	down
	phosphate permease pho-4									
PCI_3083	protein MJ0674	33.22	27.51	15.87	11.39	2.23	1.16	0.00	0.00	up
PCI_3111	Protein of unknown function	42.48	31.68	5.33	0.45	12.83	3.68	0.01	0.04	up
	DUF1772									
PCI_3148	Beta-lactamase-like protein	8.46	8.87	4.86	3.51	2.07	1.05	0.00	0.00	up
	sdnR									
PCI_3168	Hypothetical protein	117.53	60.27	1.78	0.41	81.42	6.35	0.00	0.00	up
PCI_3169	Hypothetical protein	48.66	38.46	12.97	12.38	3.44	1.78	0.00	0.00	up
PCI_3171	Outward-rectifier potassium	9.52	9.38	5.46	3.57	2.09	1.07	0.00	0.00	up
	channel TOK1									
PCI_3175	Hypothetical protein	346.41	256.91	48.33	49.63	6.16	2.62	0.00	0.00	up
PCI_3184	glucose transporter HXT5	31.21	29.50	6.27	1.69	7.63	2.93	0.00	0.00	up
PCI_3185	Arylsulfatase	12.34	10.97	6.37	3.94	2.26	1.18	0.00	0.00	up
PCI_3193	Oil body-associated protein	27.00	21.61	7.62	5.44	3.72	1.90	0.00	0.00	up
	1A									
PCI_3213	Hypothetical protein	49.03	48.81	18.72	21.44	2.44	1.28	0.00	0.00	up
PCI_3302	Hypothetical protein	14.57	11.33	23.15	31.43	0.47	-1.07	0.00	0.00	down
PCI_3311	Dual specificity protein	39.74	40.77	18.41	8.34	3.01	1.59	0.00	0.00	up
	phosphatase PPS1									
PCI_3321	Mono- and diacylglycerol	19.66	21.46	10.05	7.57	2.33	1.22	0.00	0.00	up
	lipase									
PCI_3326	histidine acid phosphatase	44.14	35.58	7.56	2.76	7.72	2.95	0.00	0.00	up
PCI_3347	Proteinase inhibitor I78	72.33	51.80	12.57	12.45	4.96	2.31	0.00	0.00	up
	glutathione-dependent									
PCI_3360	formaldehyde-activating	33.62	25.30	14.55	13.32	2.11	1.08	0.00	0.00	up
	enzyme									
PCI_3364	FAD-binding monooxygenase	0.71	0.80	0.30	0.13	3.58	1.84	0.00	0.02	up

	ausC									
PCI_3368	Integral membrane protein	12.76	10.44	4.71	2.73	3.12	1.64	0.00	0.00	up
PCI_3372	Guanylate cyclase activating protein 2	3.32	3.73	1.76	1.13	2.43	1.28	0.00	0.00	up
PCI_3374	Terrelysin	308.50	244.49	55.24	39.49	5.84	2.55	0.00	0.00	up
PCI_3401	Hypothetical protein	3.37	3.24	10.54	6.90	0.38	-1.40	0.00	0.00	down
PCI_3418	Succinate--CoA ligase	18.81	13.08	1.80	0.28	15.30	3.94	0.00	0.00	up
PCI_3440	Hypothetical protein	0.46	0.38	0.12	0.06	4.62	2.21	0.00	0.01	up
PCI_3453	DNA polymerase lambda	8.09	8.81	4.11	3.29	2.28	1.19	0.00	0.00	up
PCI_3463	FAD-binding monooxygenase ktnD	12.14	10.44	26.13	23.50	0.46	-1.14	0.00	0.00	down
PCI_3466	secreted glycosidase ARB_07629	13.15	15.93	6.57	3.69	2.83	1.50	0.00	0.00	up
PCI_3479	Sterol 3-beta-glucosyltransferase UGT80A2	6.39	4.90	0.77	0.17	12.05	3.59	0.00	0.00	up
PCI_3480	Cyclin-dependent kinase 7	2.08	1.65	0.44	0.31	4.95	2.31	0.00	0.00	up
PCI_3492	Hypothetical protein	151.14	120.80	23.26	21.90	6.02	2.59	0.00	0.00	up
PCI_3501	Hypothetical protein	0.16	0.34	0.73	0.99	0.29	-1.77	0.00	0.02	down
PCI_3514	Axial budding pattern protein 2	23.41	29.18	14.13	9.88	2.19	1.13	0.00	0.00	up
PCI_3521	MFS-type transporter astH	23.03	22.31	11.29	7.39	2.43	1.28	0.00	0.00	up
PCI_3525	Dihydroxyacetone kinase 2	31.05	27.82	5.52	5.94	5.14	2.36	0.00	0.00	up
PCI_3538	Non-heme chloroperoxidase CPO-A1	21.66	16.19	68.53	23.18	0.41	-1.28	0.01	0.03	down
PCI_3541	Protease PrtS	0.63	0.57	0.10	0.02	9.63	3.27	0.00	0.00	up
PCI_3542	Hypothetical protein	13.25	6.02	1.15	0.27	13.66	3.77	0.00	0.00	up
PCI_3549	Peroxidase 2	1.55	1.45	0.40	0.55	3.18	1.67	0.00	0.00	up
PCI_3554	oxidoreductase C736.13	10.16	6.96	3.54	1.89	3.15	1.66	0.00	0.00	up
PCI_3584	Major facilitator superfamily multidrug transporter NAG3	4.69	3.30	0.11	0.01	62.83	5.97	0.00	0.00	up
PCI_3600	Hypothetical protein	2.11	1.36	0.15	0.12	12.80	3.68	0.00	0.00	up
PCI_3618	Transporter	3.61	3.42	9.98	6.14	0.44	-1.20	0.00	0.00	down
PCI_3626	Hypothetical protein	0.95	1.23	0.32	0.26	3.80	1.93	0.00	0.03	up
PCI_3628	Cation/H ⁺ exchanger	12.50	16.73	5.56	1.77	3.99	1.99	0.00	0.00	up

PCI_3640	Fungal transcriptional regulatory protein, N-terminal	6.32	5.66	3.48	2.51	2.00	1.00	0.00	0.00	up
PCI_3646	protein LW94_5604	13.57	9.71	6.59	3.57	2.29	1.20	0.00	0.00	up
PCI_3657	Decarboxylase DEC1	10.45	6.21	0.86	0.08	17.64	4.14	0.00	0.02	up
PCI_3658	hetero-Diels-Alderase	151.04	154.19	46.25	20.85	4.55	2.19	0.00	0.00	up
PCI_3660	Lipopolysaccharide-modifying protein	12.20	13.39	4.11	1.90	4.25	2.09	0.00	0.00	up
PCI_3666	Phenolphthiocerol/phthiocerol polyketide synthase subunit C	7.49	5.64	2.36	2.03	2.99	1.58	0.00	0.00	up
PCI_3668	Glyoxalase 3	52.84	42.16	9.91	4.74	6.48	2.70	0.00	0.00	up
PCI_3674	Membrane protein	7.16	6.77	1.57	0.84	5.77	2.53	0.00	0.00	up
PCI_3675	Protein/nucleic acid deglycase HchA	93.95	67.42	10.33	1.83	13.27	3.73	0.00	0.00	up
PCI_3695	griffithsin	0.75	0.31	0.00	0.00	5280.16	12.37	0.00	0.00	up
PCI_3696	Hypothetical protein	905.77	518.28	23.07	1.07	59.00	5.88	0.00	0.00	up
PCI_3700	CRAL-TRIO domain-containing protein C3H8.02	1.67	1.33	0.44	0.36	3.72	1.90	0.00	0.00	up
PCI_3709	Hypothetical protein	436.43	305.13	36.72	4.51	17.99	4.17	0.00	0.00	up
PCI_3710	Hypothetical protein	291.57	218.50	34.96	12.10	10.84	3.44	0.00	0.00	up
PCI_3714	High-affinity fructose transporter ght6	4.70	3.37	1.16	0.34	5.38	2.43	0.00	0.00	up
PCI_3747	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase 1	15.76	19.84	9.09	6.74	2.25	1.17	0.00	0.00	up
PCI_3771	Amidase chyE	22.08	27.50	52.55	47.48	0.50	-1.01	0.00	0.00	down
PCI_3816	Helix-loop-helix DNA-binding	3.31	4.02	11.36	6.72	0.41	-1.30	0.00	0.00	down
PCI_3817	Hypothetical protein	381.75	354.52	115.32	48.92	4.48	2.16	0.00	0.00	up
PCI_3818	Tetratricopeptide-like helical	2.47	2.78	8.17	5.23	0.39	-1.35	0.00	0.00	down
PCI_3832	Hypothetical protein	18.60	13.60	5.23	8.08	2.42	1.27	0.00	0.01	up
PCI_3840	Malonamoyl-CoA synthetase vrtB	14.86	18.48	5.69	7.73	2.48	1.31	0.00	0.00	up
PCI_3860	Hypothetical protein	12.39	10.58	14.46	37.77	0.44	-1.19	0.01	0.04	down
PCI_3872	Hypothetical protein	50.62	39.66	15.17	16.93	2.81	1.49	0.00	0.00	up
PCI_3902	Hypothetical protein	5.41	4.42	2.94	1.72	2.11	1.08	0.00	0.02	up

PCI_3939	Apoptosis-inducing factor 1	101.43	83.27	48.73	39.96	2.08	1.06	0.00	0.00	up
PCI_3944	membrane protein C6F6.04c	1.95	4.03	0.38	0.26	9.35	3.23	0.00	0.00	up
PCI_3946	Acyl-coenzyme A:6-aminopenicillanic-acid-acyltransferase 40 kDa form	1.18	1.07	0.50	0.22	3.16	1.66	0.00	0.01	up
PCI_3950	Indoleamine 2,3-dioxygenase family protein	10.76	13.04	71.00	58.65	0.18	-2.45	0.00	0.00	down
PCI_3958	Hypothetical protein	531.64	342.58	50.79	3.08	16.23	4.02	0.01	0.04	up
PCI_3985	Notoamide biosynthesis transcriptional activator notL'	7.05	5.20	1.39	0.83	5.52	2.47	0.00	0.00	up
PCI_3986	transcriptional regulatory protein C3C7.04	7.52	5.67	1.33	0.60	6.85	2.78	0.00	0.00	up
PCI_3994	L-tryptophan decarboxylase	29.52	20.95	4.01	5.29	5.42	2.44	0.00	0.00	up
PCI_3999	Glucose--fructose oxidoreductase	10.28	9.39	5.64	4.00	2.04	1.03	0.00	0.00	up
PCI_4005	Notoamide biosynthesis cluster protein O'	12.67	11.78	27.43	26.91	0.45	-1.15	0.00	0.00	down
PCI_4008	Proline utilization trans-activator	3.20	2.76	1.26	0.96	2.69	1.43	0.00	0.00	up
PCI_4023	Hypothetical protein	4.51	4.63	17.40	14.14	0.29	-1.79	0.00	0.00	down
PCI_4034	Zinc-type alcohol dehydrogenase-like protein C1773.06c	11.50	12.49	34.77	31.50	0.36	-1.47	0.00	0.00	down
PCI_4035	Hypothetical protein	68.16	43.69	7.24	0.90	13.73	3.78	0.00	0.01	up
PCI_4036	Opsin-1	115.81	96.02	55.41	45.68	2.10	1.07	0.00	0.00	up
PCI_4053	Serine/threonine-protein kinase cds1	1.41	1.56	4.25	3.17	0.40	-1.32	0.00	0.00	down
PCI_4066	Aspergillopepsin-2	129.12	150.33	22.96	23.75	5.98	2.58	0.00	0.00	up
PCI_4077	Hypothetical protein	38.26	26.32	2.67	0.90	18.13	4.18	0.00	0.00	up
PCI_4082	Multidrug transporter TPO3	20.99	16.43	5.52	3.15	4.32	2.11	0.00	0.00	up
PCI_4094	RING finger domain protein (Znf1)	7.02	6.25	3.28	1.37	2.85	1.51	0.00	0.00	up
PCI_4105	Trichosetin synthetase PKS-NRPS1	0.32	0.28	0.13	0.13	2.30	1.20	0.00	0.00	up
PCI_4113	Aldehyde dehydrogenase	8.60	5.21	9.23	22.69	0.43	-1.21	0.01	0.04	down
PCI_4121	Hypothetical protein	739.94	795.64	302.35	182.36	3.17	1.66	0.00	0.00	up

PCI_4142	Oleate hydroxylase FAH12	12.70	15.16	32.33	31.91	0.43	-1.21	0.00	0.00	down
PCI_4146	Urease	0.51	0.38	0.11	0.08	4.61	2.20	0.00	0.00	up
PCI_4150	MFS-type transporter oryC	4.28	4.33	2.01	1.65	2.35	1.24	0.00	0.00	up
PCI_4174	UPF0591 membrane protein C15E1.02c	968.90	793.63	175.47	120.71	5.95	2.57	0.00	0.00	up
PCI_4183	STF2-like protein	128.87	90.69	27.07	23.11	4.38	2.13	0.00	0.00	up
PCI_4185	formate transporter	22.19	16.00	3.25	2.24	6.96	2.80	0.00	0.00	up
PCI_4186	Hypothetical protein	56.46	55.19	23.23	17.05	2.77	1.47	0.00	0.00	up
PCI_4264	Hypothetical protein	8.13	5.65	0.28	0.00	49.15	5.62	0.01	0.04	up
PCI_4266	Protein of unknown function DUF567	119.66	95.22	57.10	42.56	2.16	1.11	0.00	0.00	up
PCI_4290	Cytochrome P450 monooxygenase alnD	2.01	1.77	1.02	0.45	2.58	1.37	0.00	0.02	up
PCI_4295	MFS-type efflux transporter pyiT	11.00	12.86	7.03	4.56	2.06	1.04	0.00	0.00	up
PCI_4296	Low affinity ammonium transporter	3.06	2.94	0.83	0.39	4.91	2.29	0.00	0.00	up
PCI_4297	Hypothetical protein	121.16	81.20	8.44	0.48	22.69	4.50	0.00	0.02	up
PCI_4298	Hypothetical protein	112.71	94.91	35.19	23.11	3.56	1.83	0.00	0.00	up
PCI_4305	beta-glucosidase M	2.82	3.29	1.11	0.79	3.22	1.69	0.00	0.00	up
PCI_4309	MFS-type transporter PC-17	31.60	30.43	10.32	3.46	4.50	2.17	0.00	0.00	up
PCI_4325	Histidine kinase 5	13.97	10.36	1.51	0.40	12.79	3.68	0.00	0.00	up
PCI_4328	2,3-dihydroxybenzoate decarboxylase	42.68	40.17	80.90	101.20	0.45	-1.14	0.00	0.00	down
PCI_4344	Transporter	40.88	29.20	5.49	0.83	11.08	3.47	0.00	0.02	up
PCI_4350	Protein rot1	98.76	102.88	42.75	28.88	2.82	1.49	0.00	0.00	up
PCI_4381	Hypothetical protein	46.99	35.95	8.69	4.42	6.33	2.66	0.00	0.00	up
PCI_4386	Neuraminidase	246.75	269.27	57.59	20.94	6.57	2.72	0.00	0.00	up
PCI_4399	Hypothetical protein	13.07	16.10	1.28	0.13	20.71	4.37	0.00	0.01	up
PCI_4439	Extracellular metalloprotease AFUB_008060	244.60	226.17	79.85	54.93	3.49	1.80	0.00	0.00	up
PCI_4487	guanine deaminase	4.93	3.55	12.82	6.07	0.45	-1.15	0.00	0.02	down
PCI_4495	Chanoclavine-I aldehyde reductase fgaOx3	143.23	140.69	443.07	192.48	0.45	-1.16	0.00	0.01	down
PCI_4505	Sphingolipid long chain base-	123.00	126.77	41.30	39.15	3.10	1.63	0.00	0.00	up

	responsive protein PIL1									
PCI_4513	Acetylesterase	4.16	3.01	1.49	1.98	2.06	1.05	0.01	0.03	up
PCI_4529	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	7.83	8.21	4.31	2.34	2.41	1.27	0.00	0.00	up
PCI_4530	Hypothetical protein	17.23	18.90	9.98	6.57	2.18	1.13	0.00	0.00	up
PCI_4533	Aldehyde reductase Ahr	26.60	34.83	66.63	61.10	0.48	-1.06	0.00	0.00	down
PCI_4534	L-asparaginase II	67.97	51.43	22.65	11.99	3.45	1.79	0.00	0.00	up
PCI_4540	Major facilitator superfamily transporter	44.09	37.45	14.49	17.29	2.57	1.36	0.00	0.00	up
PCI_4577	Extracellular membrane protein, CFEM domain	530.27	487.86	214.54	127.09	2.98	1.58	0.00	0.00	up
PCI_4579	Taurine catabolism dioxygenase TauD/TfdA	3.66	3.79	1.21	0.53	4.29	2.10	0.00	0.00	up
PCI_4582	4-oxoacyl-[acyl-carrier-protein] reductase FabG	4.93	4.01	1.74	0.29	4.41	2.14	0.00	0.02	up
PCI_4583	Short-chain dehydrogenase/reductase SDR	43.00	33.54	5.31	1.04	12.07	3.59	0.00	0.00	up
PCI_4584	2-oxo-Delta(3)-4,5,5-trimethylcyclopentenylacetyl-CoA monooxygenase	2.47	2.37	1.40	0.53	2.50	1.32	0.01	0.04	up
PCI_4585	Hypothetical protein	0.09	0.20	0.00	0.00	1411.21	10.46	0.01	0.04	up
PCI_4586	Hypothetical protein	1.29	1.74	0.86	0.41	2.38	1.25	0.01	0.05	up
PCI_4591	Phototropin-1A	2.09	2.10	8.06	6.24	0.29	-1.77	0.00	0.00	down
PCI_4602	Acyl-CoA N-acyltransferase	11.17	9.90	3.05	1.99	4.17	2.06	0.00	0.00	up
PCI_4609	DNA polymerase type-X family protein pol4	6.53	4.94	1.59	1.49	3.73	1.90	0.00	0.00	up
PCI_4622	NACHT domain protein	74.68	57.16	5.60	0.29	22.39	4.49	0.00	0.03	up
PCI_4631	Esterase/lipase	51.42	44.01	14.01	7.69	4.40	2.14	0.00	0.00	up
PCI_4641	Hypothetical protein	7.14	4.72	12.77	16.13	0.41	-1.29	0.00	0.00	down
PCI_4646	Meiotically up-regulated gene 190 protein	19.53	17.37	3.59	1.16	7.77	2.96	0.00	0.00	up
PCI_4730	G2/mitotic-specific cyclin-B	295.37	359.07	177.79	143.55	2.04	1.03	0.00	0.00	up
PCI_4750	Acetylxyln esterase 2	4.50	5.98	12.04	12.11	0.43	-1.20	0.00	0.00	down

PCI_4766	Hypothetical protein	2.17	2.73	0.69	0.33	4.77	2.25	0.00	0.02	up
PCI_4767	Hypothetical protein	2.41	1.36	0.39	0.24	5.99	2.58	0.00	0.01	up
PCI_4795	Secreted thaumatin-like protein cetA	5.66	6.37	2.67	0.90	3.37	1.75	0.00	0.02	up
PCI_4803	PI-PLC X domain-containing protein 1	18.25	17.11	8.94	7.10	2.20	1.14	0.00	0.00	up
PCI_4805	Endo-1,3(4)-beta-glucanase ARB_04519	35.15	31.17	88.12	57.55	0.46	-1.14	0.00	0.00	down
PCI_4806	Lipopolysaccharide-modifying protein	14.22	15.52	7.81	5.83	2.18	1.12	0.00	0.00	up
PCI_4857	Protein of unknown function DUF2417	17.45	16.81	4.13	5.71	3.48	1.80	0.00	0.00	up
PCI_4873	Sugar transporter STL1	13.41	15.42	5.21	3.67	3.25	1.70	0.00	0.00	up
PCI_4879	Major facilitator superfamily transporter	42.78	45.93	29.16	11.66	2.17	1.12	0.00	0.02	up
PCI_4924	Hypothetical protein	5.02	3.57	1.85	1.43	2.62	1.39	0.00	0.00	up
PCI_4931	Hypothetical protein	225.87	244.80	75.91	51.75	3.69	1.88	0.00	0.00	up
PCI_4943	Major facilitator superfamily multidrug transporter mfsC	101.90	112.20	19.82	5.15	8.57	3.10	0.00	0.00	up
PCI_4946	ABC multidrug transporter B	16.47	23.23	48.71	46.81	0.42	-1.27	0.00	0.00	down
PCI_4947	Nonribosomal peptide synthetase 1	11.64	15.56	27.20	31.28	0.47	-1.10	0.00	0.00	down
PCI_4964	MFS transporter L2	18.80	22.34	6.51	4.19	3.84	1.94	0.00	0.00	up
PCI_5028	NADP-dependent mannitol dehydrogenase	0.99	0.55	0.19	0.15	4.48	2.16	0.00	0.02	up
PCI_5030	Hypothetical protein	80.28	70.64	40.34	28.57	2.19	1.13	0.00	0.00	up
PCI_5031	Hypothetical protein	914.07	1304.77	343.13	230.67	3.87	1.95	0.00	0.00	up
PCI_5032	Hypothetical protein	182.46	120.85	14.96	3.10	16.80	4.07	0.00	0.00	up
PCI_5044	quininate permease	3.90	2.75	6.71	6.82	0.49	-1.02	0.00	0.00	down
PCI_5089	Hypothetical protein	0.31	0.94	3.83	1.39	0.24	-2.06	0.00	0.03	down
PCI_5093	Vacuolar membrane amino acid uptake transporter fnx2	13.15	14.47	3.31	2.02	5.18	2.37	0.00	0.00	up
PCI_5094	D-alanine--D-alanine ligase	32.46	32.40	17.43	11.53	2.24	1.16	0.00	0.00	up
PCI_5098	Highly reducing polyketide synthase gloL	3.09	4.14	12.22	10.16	0.32	-1.63	0.00	0.00	down
PCI_5100	Hypothetical protein	12.64	11.31	6.62	4.66	2.12	1.09	0.00	0.00	up

PCI_5101	Lipase A	6.39	6.86	2.31	1.23	3.75	1.91	0.00	0.00	up
PCI_5104	Scytalone dehydratase arp1	90.43	95.19	18.68	22.03	4.56	2.19	0.00	0.00	up
PCI_5105	Hydroxynaphthalene reductase arp2	283.57	313.31	74.26	76.49	3.96	1.99	0.00	0.00	up
PCI_5106	protein of unknown function DUF202	48.71	46.05	31.64	13.03	2.12	1.09	0.00	0.02	up
PCI_5120	pectin lyase F	3.36	3.39	9.15	4.79	0.48	-1.04	0.00	0.02	down
PCI_5123	Deoxyribodipyrimidine photo-lyase	21.45	21.58	11.16	9.93	2.04	1.03	0.00	0.00	up
PCI_5124	Hypothetical protein	12.26	10.34	4.54	3.00	2.99	1.58	0.00	0.00	up
PCI_5126	ABC multidrug transporter atrA	1.09	1.04	3.24	2.05	0.40	-1.31	0.00	0.00	down
PCI_5145	Velvet complex subunit B	20.88	21.96	10.61	7.56	2.36	1.24	0.00	0.00	up
PCI_5147	Secreted protein RBT4	15.70	17.69	5.80	1.80	4.39	2.14	0.00	0.00	up
PCI_5153	Flavohemoprotein	58.14	46.34	14.08	8.62	4.60	2.20	0.00	0.00	up
PCI_5171	Hypothetical protein	2.61	2.08	1.21	0.70	2.46	1.30	0.00	0.01	up
PCI_5181	GPI anchored dioxygenase	1.96	1.94	0.88	0.57	2.69	1.43	0.00	0.01	up
PCI_5195	Acyl-CoA ligase sidI	9.08	6.06	1.56	0.51	7.33	2.87	0.00	0.00	up
PCI_5196	Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial	0.96	0.72	0.39	0.18	2.95	1.56	0.01	0.05	up
PCI_5197	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	0.84	1.03	0.35	0.09	4.20	2.07	0.00	0.02	up
PCI_5211	Ferric/cupric reductase transmembrane component 2	40.61	42.96	8.89	5.98	5.62	2.49	0.00	0.00	up
PCI_5212	2-oxoglutarate-dependent dioxygenase mpl2	18.66	18.04	8.71	8.54	2.13	1.09	0.00	0.00	up
PCI_5222	Ketoreductase CTB6	6.50	6.92	2.36	1.57	3.42	1.77	0.00	0.00	up
PCI_5235	MARVEL-like domain	707.08	594.43	127.63	32.78	8.11	3.02	0.00	0.00	up
PCI_5236	Sphingomyelin phosphodiesterase 2	0.95	0.93	0.40	0.13	3.55	1.83	0.00	0.02	up
PCI_5237	phenol acid carboxylase	160.27	152.48	72.13	71.32	2.18	1.12	0.00	0.00	up
PCI_5241	Low affinity inorganic phosphate transporter 1	6.83	6.63	29.29	21.60	0.26	-1.92	0.00	0.00	down
PCI_5246	Hypothetical protein	14.17	12.12	4.52	7.81	2.13	1.09	0.00	0.01	up

PCI_5287	Meiotic sister chromatid recombination protein 1	142.49	125.83	30.64	40.77	3.76	1.91	0.00	0.00	up
PCI_5292	Negative regulator of sexual conjugation and meiosis	107.01	118.28	73.81	38.79	2.00	1.00	0.00	0.01	up
PCI_5314	Hypothetical protein	107.79	82.95	18.92	52.58	2.67	1.42	0.00	0.02	up
PCI_5316	Hypothetical protein	3.51	3.65	0.53	0.09	11.55	3.53	0.00	0.00	up
PCI_5341	Pyruvate decarboxylase	99.46	84.49	35.85	38.63	2.47	1.30	0.00	0.00	up
PCI_5365	Alpha-L-fucosidase 2	0.41	0.43	0.14	0.12	3.26	1.71	0.00	0.03	up
PCI_5384	F-box domain protein	11.23	12.37	3.84	1.90	4.11	2.04	0.00	0.00	up
PCI_5440	Hypothetical protein	24.68	20.04	8.66	5.64	3.13	1.64	0.00	0.00	up
PCI_5465	Alpha-L-rhamnosidase	0.77	1.10	0.36	0.40	2.46	1.30	0.00	0.01	up
PCI_5469	Myo-inositol transporter 2	15.63	11.72	2.11	0.82	9.31	3.22	0.00	0.00	up
PCI_5484	Hypothetical protein	83.64	56.49	5.37	0.20	25.17	4.65	0.01	0.03	up
PCI_5495	Actin cortical patch protein Sur7	409.97	355.06	101.85	29.25	5.84	2.54	0.00	0.01	up
PCI_5501	isoform 3 of protein FAM172A	3.44	3.79	1.22	0.75	3.68	1.88	0.00	0.00	up
PCI_5549	Hypothetical protein	365.10	280.39	75.03	100.91	3.67	1.88	0.00	0.00	up
PCI_5559	Hypothetical protein	339.00	215.95	39.83	31.39	7.79	2.96	0.00	0.00	up
PCI_5608	High-affinity glucose transporter HXT2	53.59	60.60	11.87	3.54	7.41	2.89	0.00	0.00	up
PCI_5621	Hypothetical protein	50.10	45.34	21.10	21.67	2.23	1.16	0.00	0.00	up
PCI_5650	9,11-endoperoxide prostaglandin H2 reductase	47.84	31.87	14.52	12.68	2.93	1.55	0.00	0.00	up
PCI_5655	Short-chain dehydrogenase/reductase SDR	47.26	37.67	17.43	20.48	2.24	1.16	0.00	0.00	up
PCI_5658	Dimethyl-sulfide monooxygenase	14.47	12.96	8.51	4.84	2.05	1.04	0.00	0.00	up
PCI_5659	band 7 family protein R614	94.30	100.27	44.15	36.17	2.42	1.28	0.00	0.00	up
PCI_5693	fungal specific transcription factor	0.41	0.16	0.01	0.00	38.12	5.25	0.00	0.00	up
PCI_5696	Hypothetical protein	17.29	22.79	40.30	41.01	0.49	-1.02	0.00	0.00	down
PCI_5707	Hypothetical protein	827.14	905.82	197.83	84.77	6.13	2.62	0.00	0.00	up
PCI_5708	Protein pns1	33.44	27.40	14.18	13.19	2.22	1.15	0.00	0.00	up

PCI_5712	Efflux pump FUB11	51.67	58.48	21.74	10.83	3.38	1.76	0.00	0.00	up
PCI_5720	Hypothetical protein	195.99	154.18	83.89	63.08	2.38	1.25	0.00	0.00	up
PCI_5721	Protein of unknown function DUF3292	16.01	12.17	1.41	1.10	11.19	3.48	0.00	0.00	up
PCI_5748	phosphoketolase	23.15	18.84	3.92	5.48	4.47	2.16	0.00	0.00	up
PCI_5749	acetate kinase	52.30	43.11	9.03	9.26	5.22	2.38	0.00	0.00	up
PCI_5755	Citrinin biosynthesis cluster MFS transporter ctnC	14.09	14.73	3.48	0.70	6.89	2.78	0.00	0.03	up
PCI_5757	Hps1-dma1 cluster oxidoreductase toxD	45.83	41.30	20.46	10.15	2.85	1.51	0.00	0.00	up
PCI_5762	F-box/WD repeat-containing protein pof11	116.38	109.66	56.97	46.10	2.19	1.13	0.00	0.00	up
PCI_5763	NADP-dependent alcohol dehydrogenase 6	34.40	31.92	15.60	10.39	2.55	1.35	0.00	0.00	up
PCI_5769	Fork-head transcriptional regulator 2	20.22	23.49	11.99	8.14	2.17	1.12	0.00	0.00	up
PCI_5781	Trehalose phosphorylase	6.22	5.90	3.73	1.04	2.54	1.35	0.01	0.05	up
PCI_5790	C6 zinc finger domain protein	1.47	1.94	3.34	4.40	0.44	-1.18	0.00	0.00	down
PCI_5792	Hypothetical protein	230.90	290.83	679.67	535.25	0.43	-1.22	0.00	0.00	down
PCI_5803	Hypothetical protein	2.52	2.22	6.32	7.92	0.33	-1.58	0.00	0.00	down
PCI_5819	integral membrane protein PTH11	26.25	31.32	102.53	81.76	0.31	-1.68	0.00	0.00	down
PCI_5820	Cytochrome P450 monooxygenase pkfB	53.00	55.60	151.07	112.63	0.41	-1.28	0.00	0.00	down
PCI_5856	F-box/LRR-repeat protein 7	28.12	28.21	10.62	7.38	3.13	1.65	0.00	0.00	up
PCI_5861	Interferon-induced GTP- binding protein Mx1	2.93	2.78	0.57	0.24	7.10	2.83	0.00	0.00	up
PCI_5877	Pal1 cell morphology	113.85	110.15	34.76	16.78	4.35	2.12	0.00	0.00	up
PCI_5879	Glycerol-3-phosphate dehydrogenase	29.48	21.85	1.53	0.13	31.04	4.96	0.00	0.00	up
PCI_5881	(R,R)-butanediol dehydrogenase	17.20	11.93	1.09	0.13	23.75	4.57	0.00	0.00	up
PCI_5882	TPA: Zn(II)2Cys6 transcription factor (Eurofung)	4.15	3.61	1.43	1.41	2.73	1.45	0.00	0.00	up
PCI_5885	2,5-diketo-D-gluconic acid	0.89	0.42	0.15	0.04	6.82	2.77	0.01	0.03	up

	reductase A									
PCI_5888	fructose-bisphosphate aldolase	0.55	0.50	0.00	0.03	36.08	5.17	0.00	0.01	up
PCI_5896	Lactose permease	3.01	2.55	1.17	1.32	2.23	1.16	0.00	0.00	up
PCI_5900	Protein secE/sec61-gamma protein	0.82	0.41	0.16	0.03	6.58	2.72	0.01	0.03	up
PCI_5914	Versiconal hemiacetal acetate reductase	5.84	5.04	2.56	1.51	2.68	1.42	0.00	0.00	up
PCI_5933	snoaL-like domain-containing protein	5.71	4.39	2.63	1.53	2.43	1.28	0.00	0.02	up
PCI_5944	Adenine deaminase	3.47	2.53	1.26	1.37	2.29	1.19	0.00	0.01	up
PCI_5948	2,3-dihydroxybenzoate decarboxylase	0.90	0.37	0.00	0.00	6332.33	12.63	0.00	0.00	up
PCI_5951	Hypothetical protein	0.76	0.51	0.00	0.00	6362.17	12.64	0.00	0.00	up
PCI_5956	Coenzyme A disulfide reductase	1.36	0.89	0.11	0.02	17.40	4.12	0.00	0.00	up
PCI_5957	Glycosyl transferase, family 1	0.55	0.73	0.14	0.01	8.21	3.04	0.00	0.02	up
PCI_5986	Protein HEAT-STRESS- ASSOCIATED 32	110.36	71.37	7.89	2.77	17.06	4.09	0.00	0.00	up
PCI_5997	Hypothetical protein	54.72	51.95	26.25	21.86	2.22	1.15	0.00	0.00	up
PCI_5998	Hexose transporter HXT10	79.98	50.32	8.40	0.69	14.33	3.84	0.01	0.04	up
PCI_6010	Alkyl/aryl-sulfatase BDS1	32.92	26.25	3.86	0.56	13.39	3.74	0.00	0.01	up
PCI_6023	Carboxylesterase patB	47.24	49.38	20.04	17.81	2.55	1.35	0.00	0.00	up
PCI_6026	GPI-anchored hemophore cfmA	67.93	73.27	104.61	212.40	0.45	-1.17	0.00	0.01	down
PCI_6043	Dimethylaniline monooxygenase	20.73	24.32	5.62	13.45	2.36	1.24	0.00	0.02	up
PCI_6047	Hypothetical protein	19.71	12.90	2.02	1.34	9.71	3.28	0.00	0.00	up
PCI_6050	5-oxo-L-prolinase	55.31	45.35	91.62	128.08	0.46	-1.13	0.00	0.00	down
PCI_6057	Cell wall protein phiA	146.32	160.93	218.21	429.56	0.47	-1.08	0.00	0.01	down
PCI_6059	Dicarboxylic amino acid permease	3.57	3.30	6.94	9.79	0.41	-1.28	0.00	0.00	down
PCI_6077	Peptidase M20 domain- containing protein 2	7.73	8.41	3.36	2.53	2.74	1.45	0.00	0.00	up
PCI_6079	Acyl-CoA N-acyltransferase	5.60	4.42	0.96	0.74	5.88	2.55	0.00	0.00	up
PCI_6083	Penicillolysin	698.60	786.10	267.15	335.60	2.46	1.30	0.00	0.00	up

PCI_6084	Hypothetical protein	100.37	111.25	44.25	57.42	2.08	1.06	0.00	0.00	up
PCI_6090	Hypothetical protein	58.60	24.97	2.91	0.12	27.62	4.79	0.01	0.03	up
PCI_6104	Hypothetical protein	729.06	485.96	28.71	0.72	41.29	5.37	0.00	0.02	up
PCI_6119	Hypothetical protein	45.74	54.31	13.94	8.75	4.41	2.14	0.00	0.00	up
PCI_6125	Cobalt uptake protein COT1	10.61	9.76	2.85	0.93	5.40	2.43	0.00	0.00	up
PCI_6131	Short-chain dehydrogenase/reductase pkfC	11.43	8.48	2.69	1.07	5.29	2.40	0.00	0.00	up
PCI_6133	L-arginine:L-lysine amidinotransferase	49.38	40.75	7.93	3.40	7.96	2.99	0.00	0.00	up
PCI_6136	alpha/beta hydrolase fold family protein	78.15	62.26	19.45	11.26	4.57	2.19	0.00	0.00	up
PCI_6137	transcriptional regulatory protein C1683.13c	9.35	7.99	2.75	1.97	3.68	1.88	0.00	0.00	up
PCI_6138	FAD-dependent monooxygenase OpS4	2.62	1.72	0.23	0.47	6.20	2.63	0.00	0.00	up
PCI_6143	Efflux pump FUBT	15.91	12.17	6.97	5.43	2.26	1.18	0.00	0.00	up
PCI_6151	Hypothetical protein	61.39	31.75	7.50	1.00	10.96	3.45	0.01	0.03	up
PCI_6154	Casein kinase II, regulatory subunit	2.14	1.95	0.46	0.51	4.22	2.08	0.00	0.00	up
PCI_6156	Efflux pump atB	5.68	6.47	0.92	0.50	8.60	3.10	0.00	0.00	up
PCI_6194	serine peptidase, family S28	21.63	24.84	6.17	5.41	4.01	2.00	0.00	0.00	up
PCI_6204	ABC multidrug transporter B zinc-type alcohol	12.23	12.00	5.97	2.48	2.87	1.52	0.00	0.00	up
PCI_6222	dehydrogenase-like protein YbdR	19.06	12.75	0.50	0.07	55.08	5.78	0.00	0.00	up
PCI_6223	Alcohol dehydrogenase	11.22	8.21	1.47	0.49	9.96	3.32	0.00	0.00	up
PCI_6240	Cupin-domain-containing oxidoreductase virC	180.07	120.74	6.33	0.12	46.68	5.54	0.00	0.02	up
PCI_6241	S-(hydroxymethyl)glutathione dehydrogenase	151.50	98.42	6.44	0.14	37.99	5.25	0.00	0.03	up
PCI_6293	Hypothetical protein	5.75	7.13	16.87	10.68	0.47	-1.10	0.00	0.00	down
PCI_6313	Alcohol dehydrogenase	595.04	460.49	89.84	51.41	7.47	2.90	0.00	0.00	up
PCI_6314	3-dehydroshikimate dehydratase	2.29	2.72	0.43	0.37	6.28	2.65	0.00	0.00	up
PCI_6315	Hypothetical protein	4.80	3.59	1.85	0.71	3.28	1.72	0.00	0.01	up

PCI_6342	Protein pacG	67.16	72.09	34.47	20.56	2.53	1.34	0.00	0.00	up
PCI_6344	Glucosamine-6-phosphate isomerase 1	50.58	59.75	19.35	19.93	2.81	1.49	0.00	0.00	up
PCI_6347	N-acetylglucosamine-6-phosphate deacetylase	86.14	89.40	32.24	29.76	2.83	1.50	0.00	0.00	up
PCI_6348	UNC93-like protein C922.05c	34.47	31.24	13.66	6.82	3.21	1.68	0.00	0.00	up
PCI_6350	Dye-decolorizing peroxidase msp1	22.73	19.79	57.03	65.98	0.35	-1.53	0.00	0.00	down
PCI_6351	Galactose oxidase	25.39	25.20	67.85	74.33	0.36	-1.49	0.00	0.00	down
PCI_6407	Hexokinase-1	53.80	69.92	31.24	23.74	2.25	1.17	0.00	0.00	up
PCI_6410	FAD-dependent oxidoreductase oblC	0.69	0.40	0.09	0.03	9.07	3.18	0.00	0.01	up
PCI_6411	DUF341 family oxidoreductase,	17.43	16.58	7.77	5.02	2.66	1.41	0.00	0.00	up
PCI_6412	Highly reducing polyketide synthase azaB	1.69	2.17	0.72	0.56	3.02	1.59	0.00	0.00	up
PCI_6426	glutamine amidotransferase-like protein C13C5.04	14.90	10.70	2.52	1.05	7.17	2.84	0.00	0.00	up
PCI_6486	Hypothetical protein	0.27	0.20	0.03	0.02	8.14	3.03	0.00	0.01	up
PCI_6492	MFS-type transporter pytF	0.49	0.66	0.04	0.03	15.90	3.99	0.00	0.00	up
PCI_6493	Hypothetical protein	1.21	1.00	0.30	0.20	4.42	2.14	0.00	0.01	up
PCI_6498	Hypothetical protein	191.11	142.98	23.74	17.40	8.12	3.02	0.00	0.00	up
PCI_6505	Hypothetical protein	76.68	86.44	31.31	24.61	2.92	1.54	0.00	0.00	up
PCI_6506	Hypothetical protein	0.10	0.33	0.00	0.00	2148.06	11.07	0.01	0.04	up
PCI_6523	quinat permease	2.79	2.08	0.55	0.41	5.06	2.34	0.00	0.00	up
PCI_6534	Dehydrogenase	3.73	2.01	1.15	0.90	2.79	1.48	0.00	0.00	up
PCI_6537	Major facilitator superfamily transporter	18.98	13.90	4.29	1.25	5.94	2.57	0.00	0.01	up
PCI_6539	Terpene cyclase aurD	2.51	2.04	1.20	0.47	2.73	1.45	0.01	0.04	up
PCI_6541	Beta-lactamase hydrolase-like protein	2.61	1.50	0.66	0.42	3.82	1.94	0.00	0.01	up
PCI_6542	Glutathione S-transferase-like protein OpS6	96.20	62.99	15.32	7.68	6.92	2.79	0.00	0.00	up
PCI_6561	Hypothetical protein	0.84	0.63	0.28	0.31	2.48	1.31	0.01	0.05	up
PCI_6594	Galactosyl transferase	1.16	0.94	0.17	0.04	10.20	3.35	0.00	0.00	up

PCI_6630	Norsolorinic acid ketoreductase nor1	1.80	1.49	0.66	0.53	2.78	1.47	0.00	0.02	up
PCI_6632	Tryptophan synthase	2.08	1.46	0.71	0.32	3.44	1.78	0.00	0.00	up
PCI_6667	polyglutamine synthesis accessory protein MT0602	6.95	5.13	0.60	0.27	13.82	3.79	0.00	0.00	up
PCI_6697	Alcohol dehydrogenase 1	13.58	9.06	4.07	4.43	2.66	1.41	0.00	0.00	up
PCI_6698	Aldehyde dehydrogenase	19.39	9.27	1.06	0.60	17.25	4.11	0.00	0.00	up
PCI_6714	Hypothetical protein	61.99	42.76	7.30	11.26	5.64	2.50	0.00	0.00	up
PCI_6748	Mannitol-1-phosphate 5- dehydrogenase	200.37	172.89	73.44	83.53	2.38	1.25	0.00	0.00	up
PCI_6749	Actin cortical patch SUR7/pH-response regulator PalI	131.50	135.20	48.76	23.36	3.70	1.89	0.00	0.00	up
PCI_6750	inorganic phosphate transporter C1683.01	123.02	120.43	223.34	265.78	0.50	-1.01	0.00	0.00	down
PCI_6785	Polygalacturonase 1	64.92	50.68	23.89	14.77	2.99	1.58	0.00	0.00	up
PCI_6790	ATP-dependent (S)- NAD(P)H-hydrate dehydratase	53.31	39.38	20.25	17.62	2.45	1.29	0.00	0.00	up
PCI_6796	Hypothetical protein	48.21	57.52	26.69	24.85	2.05	1.04	0.00	0.00	up
PCI_6798	Hypothetical protein	196.43	134.67	18.44	20.20	8.57	3.10	0.00	0.00	up
PCI_6827	Glucose-repressible gene protein	910.12	650.12	91.20	170.74	5.96	2.57	0.00	0.00	up
PCI_6841	Hypothetical protein	100.53	82.30	168.74	351.54	0.35	-1.51	0.00	0.00	down
PCI_6847	Agnestins efflux protein AgnL12	0.83	0.76	0.16	0.18	4.64	2.21	0.00	0.00	up
PCI_6854	Hydroxyacid oxidase	2.54	3.68	1.61	1.07	2.32	1.22	0.00	0.01	up
PCI_6859	transposase	14.60	8.66	6.61	4.19	2.15	1.11	0.00	0.02	up
PCI_6882	Hypothetical protein	17.94	21.35	42.77	45.41	0.45	-1.17	0.00	0.00	down
PCI_6898	Hypothetical protein	50.60	43.56	103.09	125.33	0.41	-1.28	0.00	0.00	down
PCI_6914	Sterol 24-C-methyltransferase	28.67	24.32	11.84	13.84	2.06	1.05	0.00	0.00	up
PCI_6930	secreted glycosidase ARB_07629	1.65	1.88	0.63	0.35	3.61	1.85	0.00	0.00	up
PCI_6938	Hypothetical protein	846.70	1055.76	255.63	100.25	5.35	2.42	0.00	0.00	up
PCI_6978	Hypothetical protein	0.07	3.76	0.11	0.16	14.30	3.84	0.00	0.02	up

PCI_6983	Hypothetical protein	15.43	18.26	4.38	3.32	4.37	2.13	0.00	0.00	up
PCI_6989	protein of unknown function DUF1479	0.32	0.28	0.06	0.02	7.55	2.92	0.00	0.01	up
PCI_6991	Low-affinity glucose transporter HXT1	0.73	0.50	0.09	0.12	5.83	2.54	0.00	0.00	up
PCI_6992	NYN domain, limkain-b1- type	0.46	0.71	0.00	0.00	5840.30	12.51	0.00	0.00	up
PCI_7047	Hypothetical protein	47.31	48.68	9.20	8.87	5.31	2.41	0.00	0.00	up
PCI_7049	Endo-1,4-beta-xylanase A	96.05	87.07	183.20	185.85	0.50	-1.01	0.00	0.00	down
PCI_7053	endonuclease III	7.37	5.78	1.88	1.97	3.42	1.77	0.00	0.00	up
PCI_7062	Outer spore wall protein RRT8	26.40	24.40	8.29	8.73	2.98	1.58	0.00	0.00	up
PCI_7066	Hypothetical protein	791.60	796.60	210.81	113.48	4.90	2.29	0.00	0.00	up
PCI_7074	Maltose permease MAL31	1.31	0.85	0.27	0.06	6.57	2.72	0.00	0.00	up
PCI_7084	Transcription factor kojR	2.64	1.34	0.75	0.66	2.82	1.50	0.00	0.02	up
PCI_7126	Dye-decolorizing peroxidase Tfu_3078	16.66	27.14	72.44	27.75	0.44	-1.19	0.01	0.04	down
PCI_7131	NmrA-like family domain- containing protein 1	3.15	2.34	0.73	0.28	5.46	2.45	0.00	0.00	up
PCI_7137	sterigmatocystin biosynthesis protein stcT	2.10	1.78	0.91	0.54	2.68	1.42	0.00	0.00	up
PCI_7144	Sodium transport ATPase 2	10.91	8.73	1.74	0.31	9.58	3.26	0.00	0.01	up
PCI_7145	low temperature requirement A protein LtrA	32.45	29.77	16.40	11.51	2.23	1.16	0.00	0.00	up
PCI_7156	Cytochrome P450 monooxygenase adrA	15.97	18.14	47.10	39.36	0.39	-1.34	0.00	0.00	down
PCI_7165	secreted protein ARB_07637	132.09	144.09	259.71	373.30	0.44	-1.20	0.00	0.00	down
PCI_7166	Malate synthase, glyoxysomal	110.82	86.68	42.70	36.89	2.48	1.31	0.00	0.00	up
PCI_7185	oxidoreductase C26F1.07	74.48	55.64	6.43	0.40	19.07	4.25	0.00	0.03	up
PCI_7201	FAD-linked oxidoreductase OXR1	7.19	4.73	1.19	0.23	8.38	3.07	0.00	0.00	up
PCI_7202	Nonribosomal peptide synthetase asaC	3.06	2.59	0.96	0.96	2.94	1.56	0.00	0.00	up
PCI_7203	8-amino-7-oxononanoate synthase	0.42	0.44	0.12	0.04	5.50	2.46	0.00	0.01	up
PCI_7211	Ctr copper transporter,	7.74	7.42	1.00	1.25	6.73	2.75	0.00	0.00	up

PCI_7243	Acid phosphatase	2.76	2.77	7.79	7.51	0.36	-1.47	0.00	0.00	down
PCI_7257	aryl-alcohol dehydrogenase AAD14	36.58	30.48	13.17	6.64	3.38	1.76	0.00	0.00	up
PCI_7264	Aspyridones efflux protein	1.41	1.46	0.24	0.22	6.28	2.65	0.00	0.00	up
PCI_7271	Serine/threonine-protein kinase GIN4	50.62	65.61	26.53	17.71	2.63	1.39	0.00	0.00	up
PCI_7289	Thioredoxin-like fold	830.13	550.75	76.68	4.62	16.98	4.09	0.01	0.04	up
PCI_7301	Hypothetical protein	0.80	0.77	2.41	1.55	0.40	-1.33	0.00	0.01	down
PCI_7304	Sucrose/H ⁺ symporter	1.69	1.68	0.53	0.49	3.31	1.73	0.00	0.00	up
PCI_7307	Cytochrome P450 monooxygenase alnD	3.22	3.00	10.79	9.93	0.30	-1.74	0.00	0.00	down
PCI_7308	NADH-cytochrome b5 reductase 1	2.84	2.24	8.35	8.74	0.30	-1.75	0.00	0.00	down
PCI_7312	Non-reducing end alpha-L- arabinofuranosidase BoGH43A	0.67	0.69	0.13	0.09	6.33	2.66	0.00	0.00	up
PCI_7313	MFS-type transporter oryC	83.65	100.43	19.05	5.62	7.46	2.90	0.00	0.00	up
PCI_7318	Lactose permease	1.79	1.03	0.63	0.41	2.72	1.44	0.00	0.02	up
PCI_7319	Hypothetical protein	221.51	131.19	8.95	2.32	31.31	4.97	0.00	0.00	up
PCI_7345	Hypothetical protein	432.39	417.64	157.05	96.13	3.36	1.75	0.00	0.00	up
PCI_7348	Mannan endo-1,6-alpha- mannosidase DCW1	103.97	104.02	42.99	26.36	3.00	1.58	0.00	0.00	up
PCI_7352	Lipase 1	10.39	10.86	6.63	3.10	2.18	1.13	0.00	0.01	up
PCI_7378	Hydrophobic surface binding protein A family protein	575.11	579.77	244.52	141.81	2.99	1.58	0.00	0.00	up
PCI_7409	NADPH dehydrogenase afvA	53.39	41.00	134.40	71.01	0.46	-1.12	0.00	0.00	down
PCI_7410	Amidase FG08078	14.00	13.73	36.93	19.37	0.49	-1.02	0.00	0.01	down
PCI_7414	Acetate permease A	7.51	6.11	1.91	1.06	4.59	2.20	0.00	0.00	up
PCI_7425	Hypothetical protein	114.30	160.46	483.46	438.79	0.30	-1.75	0.00	0.00	down
PCI_7428	Acetamidase	5.30	4.97	13.16	14.21	0.38	-1.41	0.00	0.00	down
PCI_7449	cupin domain protein	5.37	3.12	1.28	0.30	5.36	2.42	0.00	0.01	up
PCI_7450	Chloroplast envelope quinone oxidoreductase homolog	23.24	19.02	4.35	1.38	7.38	2.88	0.00	0.00	up
PCI_7456	Sugar transporter STL1	34.82	43.79	12.01	14.59	2.95	1.56	0.00	0.00	up
PCI_7469	MFS transporter	4.16	3.90	1.38	1.79	2.54	1.35	0.00	0.00	up

PCI_7477	Glucan endo-1,3-beta-glucosidase BGN13.1	65.03	84.82	28.52	16.05	3.36	1.75	0.00	0.00	up
PCI_7483	Hypothetical protein	154.41	147.83	247.08	401.65	0.47	-1.10	0.00	0.00	down
PCI_7498	endoplasmic reticulum membrane protein YJR015W	28.84	32.34	11.46	6.37	3.43	1.78	0.00	0.00	up
PCI_7500	Hypothetical protein	89.31	99.75	28.73	16.89	4.14	2.05	0.00	0.00	up
PCI_7507	GPI anchored cell wall protein	17.71	13.45	2.09	1.33	9.12	3.19	0.00	0.00	up
PCI_7508	MFS-type transporter oryF	7.48	8.50	1.42	0.80	7.20	2.85	0.00	0.00	up
PCI_7513	Efflux pump vrtL	10.04	9.32	20.64	20.78	0.47	-1.10	0.00	0.00	down
PCI_7517	NLP effector protein 10	5.39	4.68	2.41	1.76	2.41	1.27	0.00	0.00	up
PCI_7555	Protein of unknown function DUF3433	0.26	0.36	0.73	0.94	0.38	-1.41	0.00	0.01	down
PCI_7557	Hypothetical protein	25.74	14.08	1.68	3.18	8.19	3.03	0.00	0.00	up
PCI_7558	ThiJ/PfpI	50.09	31.72	3.64	0.63	19.15	4.26	0.00	0.00	up
PCI_7577	integral membrane protein	2.61	2.17	0.90	0.86	2.71	1.44	0.00	0.02	up
PCI_7584	Dothistromin biosynthesis peroxidase dotB	1.46	0.97	0.30	0.33	3.87	1.95	0.00	0.00	up
PCI_7590	Glyoxalase 3	1.77	1.74	0.65	0.19	4.20	2.07	0.01	0.03	up
PCI_7591	Acetoacetate decarboxylase ADC	4.24	3.06	1.81	1.02	2.58	1.37	0.00	0.01	up
PCI_7603	Hypothetical protein	16.36	9.93	0.90	0.34	21.14	4.40	0.00	0.00	up
PCI_7617	RING zinc finger protein	0.85	0.33	0.02	0.00	53.41	5.74	0.00	0.00	up
PCI_7624	alpha-rhamnosidase	0.64	0.67	1.51	1.14	0.49	-1.02	0.00	0.01	down
PCI_7626	Protein of unknown function DUF3659	1.26	1.68	0.38	0.50	3.35	1.74	0.00	0.00	up
PCI_7627	Hypothetical protein	11.10	8.11	1.29	0.66	9.86	3.30	0.00	0.00	up
PCI_7631	NADPH--cytochrome P450 reductase	0.26	0.29	0.76	0.65	0.39	-1.34	0.00	0.03	down
PCI_7633	Hypothetical protein	0.63	0.78	0.22	0.13	4.00	2.00	0.00	0.01	up
PCI_7641	Non-specific phospholipase C6	0.62	0.59	4.49	2.09	0.18	-2.44	0.00	0.00	down
PCI_7642	Carnosine N-methyltransferase	2.81	1.82	1.07	0.46	3.04	1.60	0.00	0.02	up
PCI_7643	Oxidase ustYa	5.58	1.93	1.27	0.57	4.09	2.03	0.00	0.02	up

PCI_7644	Hypothetical protein	25.99	14.99	6.48	4.14	3.86	1.95	0.00	0.00	up
PCI_7646	Hypothetical protein	25.73	14.41	1.18	0.09	31.78	4.99	0.00	0.00	up
PCI_7647	Hypothetical protein	6.04	4.89	1.51	0.89	4.55	2.19	0.00	0.00	up
PCI_7651	Cytochrome P450 monooxygenase astJ	0.52	0.71	0.11	0.11	5.66	2.50	0.00	0.00	up
PCI_7656	Hypothetical protein	3.79	2.86	0.87	0.65	4.37	2.13	0.00	0.00	up
PCI_7700	Major facilitator superfamily multidrug transporter FLU1	37.16	42.67	6.15	11.45	4.54	2.18	0.00	0.00	up
PCI_7704	Alcohol dehydrogenase 1	124.80	115.99	30.53	18.87	4.87	2.29	0.00	0.00	up
PCI_7710	Hypothetical protein	172.57	114.26	9.80	0.19	28.70	4.84	0.01	0.05	up
PCI_7785	Chondroitin sulfate ABC endolyase	7.28	7.56	1.79	0.91	5.49	2.46	0.00	0.00	up
PCI_7786	High-affinity glucose transporter HXT2	15.20	14.56	5.77	2.70	3.51	1.81	0.00	0.00	up
PCI_7793	NAD(P)H-hydrate epimerase	58.42	45.32	28.59	23.07	2.01	1.01	0.00	0.00	up
PCI_7796	Hypothetical protein	53.91	54.06	18.23	23.00	2.62	1.39	0.00	0.00	up
PCI_7810	Hypothetical protein	84.12	109.49	234.27	221.69	0.42	-1.24	0.00	0.00	down
PCI_7818	Reticulon-4-interacting protein 1, mitochondrial	22.09	16.54	8.18	6.22	2.68	1.42	0.00	0.00	up
PCI_7827	Hypothetical protein	63.48	85.29	207.18	146.75	0.42	-1.25	0.00	0.00	down
PCI_7868	Hypothetical protein	18.04	25.05	12.73	7.94	2.08	1.06	0.00	0.00	up
PCI_7877	3-hydroxyacyl-CoA dehydrogenase-like protein LAM1	0.22	0.04	0.00	0.00	1266.14	10.31	0.00	0.01	up
PCI_7897	Class III chitinase ARB_03514	267.16	317.78	93.30	40.99	4.36	2.12	0.00	0.00	up
PCI_7911	Laccase abr2	72.78	82.42	28.09	12.56	3.82	1.93	0.00	0.00	up
PCI_7912	Non-reducing polyketide synthase albA	130.25	133.26	31.29	6.22	7.03	2.81	0.00	0.02	up
PCI_7922	Hypothetical protein	233.12	270.88	100.74	65.75	3.03	1.60	0.00	0.00	up
PCI_7946	Multicopper oxidase abr1	184.75	261.32	76.80	37.71	3.90	1.96	0.00	0.00	up
PCI_7947	Heptaketide hydrolyase ayg1	116.49	154.85	23.24	23.73	5.78	2.53	0.00	0.00	up
PCI_7999	Alpha/beta hydrolase of unknown function DUF1100	0.84	0.36	0.12	0.03	7.73	2.95	0.00	0.02	up
PCI_8004	Cyclopiazonic acid synthetase	58.13	58.89	12.03	2.61	7.99	3.00	0.00	0.01	up

PCI_8005	Nonribosomal peptide synthetase anaPS	73.98	73.48	13.52	3.30	8.76	3.13	0.00	0.00	up
PCI_8006	O-methyltransferase xanE	115.40	101.79	23.46	5.12	7.60	2.93	0.00	0.01	up
PCI_8007	Indoleamine 2,3-dioxygenase	40.30	32.41	4.92	0.81	12.70	3.67	0.00	0.01	up
PCI_8008	lactate 2-monooxygenase PB1A11.03	330.87	307.31	109.12	41.96	4.22	2.08	0.00	0.00	up
PCI_8009	MFS transporter asaE	45.47	52.17	18.24	14.10	3.02	1.59	0.00	0.00	up
PCI_8010	Hypothetical protein	55.44	53.83	18.54	12.73	3.49	1.81	0.00	0.00	up
PCI_8047	Hypothetical protein	8.13	7.69	3.87	3.07	2.28	1.19	0.00	0.00	up
PCI_8050	oxidoreductase	3.77	4.20	1.74	0.95	2.96	1.57	0.00	0.00	up
PCI_8063	Kinesin light chain 1	1.80	1.45	0.85	0.76	2.01	1.01	0.00	0.02	up
PCI_8070	Hypothetical protein	0.29	0.17	0.04	0.02	7.71	2.95	0.00	0.02	up
PCI_8118	Eisosome protein 1	28.59	28.23	6.67	5.33	4.73	2.24	0.00	0.00	up
PCI_8127	Allantoate permease	2.65	1.91	0.62	0.20	5.56	2.48	0.00	0.00	up
PCI_8131	Hypothetical protein	23.23	25.83	52.21	50.92	0.48	-1.07	0.00	0.00	down
PCI_8142	Non-canonical non-ribosomal peptide synthetase FUB8	1.14	0.99	3.61	5.73	0.23	-2.13	0.00	0.00	down
PCI_8153	2-methylene-furan-3-one reductase	37.39	25.63	4.31	0.96	11.96	3.58	0.00	0.00	up
PCI_8203	Dioxygenase swnH1	1.27	1.12	3.71	2.22	0.40	-1.31	0.00	0.02	down
PCI_8215	Glycosyl transferase, family 8	43.95	48.39	9.84	10.24	4.60	2.20	0.00	0.00	up
PCI_8216	glycosyltransferase family 90 protein	7.69	8.99	1.95	2.15	4.06	2.02	0.00	0.00	up
PCI_8217	integral membrane protein	4.90	1.87	0.15	0.14	22.63	4.50	0.00	0.00	up
PCI_8224	Laccase-like multicopper oxidase 1	9.06	7.71	4.42	2.76	2.33	1.22	0.00	0.00	up
PCI_8242	Hypothetical protein	2.25	2.30	6.82	3.29	0.45	-1.15	0.00	0.01	down
PCI_8266	NAD dependent epimerase/dehydratase	88.29	98.32	45.90	25.76	2.60	1.38	0.00	0.00	up
PCI_8271	Protein bli-3	163.22	116.77	14.68	20.22	8.02	3.00	0.00	0.00	up
PCI_8296	Domain of unknown function DUF1996	11.20	12.96	27.80	23.93	0.47	-1.10	0.00	0.00	down
PCI_8309	Short chain dehydrogenase sirQ	17.45	13.57	52.97	18.51	0.43	-1.20	0.01	0.04	down
PCI_8311	phosphoketolase	161.06	150.54	32.62	23.52	5.55	2.47	0.00	0.00	up

PCI_8314	Hydrophobin	384.22	380.25	94.90	36.00	5.84	2.55	0.00	0.00	up
PCI_8320	Hypothetical protein	365.77	383.04	114.37	43.42	4.75	2.25	0.00	0.00	up
PCI_8331	Proton myo-inositol cotransporter	0.08	0.14	0.45	0.34	0.28	-1.84	0.01	0.04	down
PCI_8343	Hypothetical protein	79.21	77.40	31.59	32.37	2.45	1.29	0.00	0.00	up
PCI_8345	Cholinesterase	5.54	7.24	12.97	15.21	0.45	-1.14	0.00	0.00	down
PCI_8348	Hypothetical protein	11.55	14.29	27.81	26.75	0.47	-1.08	0.00	0.00	down
PCI_8357	Hypothetical protein	11.14	8.56	0.77	0.04	24.18	4.60	0.00	0.02	up
PCI_8380	Hypothetical protein	2.36	1.78	0.34	0.34	6.08	2.60	0.00	0.00	up
PCI_8383	Aquaglycerol porin AQY3	32.77	24.41	3.63	3.77	7.73	2.95	0.00	0.00	up
PCI_8413	Hypothetical protein	118.56	103.13	28.12	7.33	6.25	2.64	0.00	0.01	up
PCI_8437	integral membrane protein PTH11-like protein	1.98	3.04	5.09	6.13	0.45	-1.16	0.00	0.00	down
PCI_8445	FAD linked oxidase, N- terminal	72.62	66.70	30.17	18.48	2.86	1.52	0.00	0.00	up
PCI_8447	Hypothetical protein	2431.42	2851.63	672.26	325.91	5.29	2.40	0.00	0.00	up
PCI_8450	Hypothetical protein	6.32	3.66	0.69	0.43	8.95	3.16	0.00	0.00	up
PCI_8506	Dehydrogenase azaJ	5.16	4.72	1.58	1.85	2.88	1.53	0.00	0.00	up
PCI_8520	RfeD	40.29	37.02	22.25	15.94	2.02	1.02	0.00	0.00	up
PCI_8521	6-phosphogluconolactonase ARB_02015	50.54	50.75	28.45	18.44	2.16	1.11	0.00	0.00	up
PCI_8543	Hypothetical protein	167.38	98.39	6.89	0.61	35.44	5.15	0.00	0.00	up
PCI_8587	Hypothetical protein	295.08	364.71	91.27	44.67	4.85	2.28	0.00	0.00	up
PCI_8595	protein AN7484	58.30	39.16	7.48	1.46	10.89	3.45	0.00	0.01	up
PCI_8611	Trehalose phosphorylase	10.16	9.52	4.79	1.97	2.91	1.54	0.00	0.00	up
PCI_8615	MFS-type transporter C1271.10c	2.87	2.82	1.19	1.60	2.04	1.03	0.00	0.02	up
PCI_8619	Diacetyl reductase	35.93	23.09	5.60	1.67	8.11	3.02	0.00	0.00	up
PCI_8634	Inositol phosphosphingolipids phospholipase C	22.05	21.02	11.48	9.59	2.04	1.03	0.00	0.00	up
PCI_8636	MFS transporter prIL	3.97	3.13	1.66	1.40	2.32	1.21	0.00	0.00	up
PCI_8639	Sphingolipid long chain base- responsive protein LSP1	370.69	277.61	48.38	5.95	11.93	3.58	0.00	0.01	up
PCI_8676	alpha-1,2- galactosyltransferase	27.49	32.61	16.15	10.81	2.23	1.16	0.00	0.00	up

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PCI_8683	High mobility group, superfamily	6.51	8.21	2.20	1.66	3.82	1.93	0.00	0.00	up
PCI_8684	General stress protein 39	151.86	99.87	17.09	1.26	13.72	3.78	0.01	0.05	up
PCI_8685	Mannose-6-phosphate isomerase	61.57	44.89	6.60	1.35	13.39	3.74	0.00	0.00	up
PCI_8686	Short-chain dehydrogenase/reductase VdtF	179.89	120.29	17.53	1.12	16.09	4.01	0.01	0.04	up
PCI_8688	Hypothetical protein	1.41	1.25	0.77	0.39	2.28	1.19	0.01	0.04	up
PCI_8689	Spore development regulator vosA	50.14	49.96	17.53	11.17	3.49	1.80	0.00	0.00	up
PCI_8700	4-coumarate--CoA ligase-like 5	2.78	3.10	1.43	0.66	2.82	1.50	0.00	0.00	up
PCI_8701	Hypothetical protein	16385.47	17609.83	4443.23	2033.27	5.25	2.39	0.00	0.00	up
PCI_8702	Hypothetical protein	4756.30	4239.89	1029.78	398.15	6.30	2.66	0.00	0.00	up
PCI_8703	Hypothetical protein	1.43	1.08	0.05	0.12	15.34	3.94	0.00	0.00	up
PCI_8706	Hypothetical protein	11.42	8.20	1.34	1.39	7.19	2.85	0.00	0.00	up
PCI_8722	DUF1275 domain protein	6.79	6.46	3.65	2.41	2.19	1.13	0.00	0.00	up
PCI_8726	arabinan endo-1,5-alpha-L-arabinosidase B	64.45	80.45	30.27	21.65	2.79	1.48	0.00	0.00	up
PCI_8752	N-acetylmuramic acid 6-phosphate etherase	2.17	3.26	1.43	1.17	2.08	1.06	0.00	0.01	up
PCI_8753	UNC93-like protein C922.05c	64.16	77.55	26.69	17.89	3.18	1.67	0.00	0.00	up
PCI_8773	Mutanase Pc12g07500	0.87	0.51	0.25	0.12	3.71	1.89	0.00	0.03	up
PCI_8822	Histone H4.1	644.24	707.19	336.10	246.77	2.32	1.21	0.00	0.00	up
PCI_8833	C2H2 finger domain transcription factor mtfA	16.66	22.88	7.70	9.94	2.24	1.16	0.00	0.00	up
PCI_8912	Hypothetical protein	37.56	37.79	79.86	72.28	0.50	-1.01	0.00	0.00	down
PCI_8949	alpha/beta hydrolase R526	1.66	1.34	0.37	0.21	5.16	2.37	0.00	0.00	up
PCI_8954	6-methylsalicylic acid decarboxylase atA	2.16	2.01	0.72	0.54	3.32	1.73	0.00	0.00	up
PCI_8955	Acetamidase	3.73	2.30	1.41	0.56	3.05	1.61	0.00	0.01	up
PCI_8956	Malonate--CoA ligase ACSF3, mitochondrial	3.94	4.63	1.55	0.80	3.64	1.86	0.00	0.00	up

PCI_8985	GMC oxidoreductase family protein Mala s 12	4.11	3.84	1.59	0.76	3.38	1.76	0.00	0.00	up
PCI_8986	Laccase abr2	77.30	78.18	36.84	21.41	2.67	1.42	0.00	0.00	up
PCI_8990	6-phosphogluconate dehydrogenase, decarboxylating	27.48	19.89	1.38	0.35	27.50	4.78	0.00	0.00	up
PCI_8991	3-dehydroshikimate dehydratase	39.69	27.99	1.97	0.35	29.18	4.87	0.00	0.00	up
PCI_9002	Multidrug transporter TPO3	3.66	4.39	11.16	5.89	0.47	-1.08	0.00	0.01	down
PCI_9005	Activator of stress genes 1	11.75	9.58	5.60	4.98	2.02	1.01	0.00	0.00	up
PCI_9018	Hypothetical protein	76.75	57.73	12.39	12.63	5.37	2.43	0.00	0.00	up
PCI_9025	Hypothetical protein	96.24	69.60	11.84	4.98	9.86	3.30	0.00	0.00	up
PCI_9039	Hypothetical protein	0.60	0.39	0.03	0.00	38.94	5.28	0.00	0.00	up
PCI_9087	Phosphoenolpyruvate carboxykinase (ATP)	149.26	150.05	60.07	44.93	2.85	1.51	0.00	0.00	up
PCI_9089	E3 ubiquitin-protein ligase UPL4	7.70	6.01	1.10	0.71	7.58	2.92	0.00	0.00	up
PCI_9121	ferric reductase transmembrane	10.28	7.96	29.09	21.72	0.36	-1.48	0.00	0.00	down
PCI_9122	C6 transcription factor	9.57	7.00	3.91	1.49	3.07	1.62	0.00	0.00	up
PCI_9124	ABC multidrug transporter atrB	6.28	5.02	0.90	0.17	10.58	3.40	0.00	0.01	up
PCI_9138	Alpha-1,3-mannosyltransferase CMT1	15.02	14.56	6.97	4.80	2.51	1.33	0.00	0.00	up
PCI_9155	D-3-phosphoglycerate dehydrogenase 1, chloroplastic	16.65	11.06	28.68	27.80	0.49	-1.03	0.00	0.00	down
PCI_9163	Alcohol dehydrogenase 2	39.29	34.57	3.31	2.50	12.71	3.67	0.00	0.00	up
PCI_9170	Transcription regulator LuxR	4.46	3.62	1.58	1.00	3.13	1.65	0.00	0.00	up
PCI_9212	FAD-binding monooxygenase moxY	11.60	9.67	2.58	1.25	5.56	2.48	0.00	0.00	up
PCI_9214	B3/B4 tRNA-binding domain	1.67	0.86	4.29	2.65	0.37	-1.45	0.01	0.04	down
PCI_9223	Hypothetical protein	636.16	822.96	263.94	152.66	3.50	1.81	0.00	0.00	up
PCI_9228	Zinc-regulated transporter 1	31.58	19.30	45.17	59.10	0.49	-1.04	0.00	0.00	down
PCI_9237	Hypothetical protein	13.23	13.37	34.44	33.02	0.39	-1.34	0.00	0.00	down
PCI_9244	Hypothetical protein	153.42	172.78	45.31	96.25	2.30	1.20	0.00	0.01	up

PCI_9252	Transcription factor fungi	7.23	5.65	3.03	1.79	2.67	1.42	0.00	0.00	up
PCI_9264	Killer toxin subunits alpha/beta	3.11	2.99	0.20	0.10	19.88	4.31	0.00	0.00	up
PCI_9283	Protein of unknown function DUF1295	69.63	46.62	5.57	1.18	17.24	4.11	0.00	0.00	up
PCI_9288	Sterol 3-beta- glucosyltransferase UGT80A2	8.69	8.08	2.49	4.00	2.58	1.37	0.00	0.00	up
PCI_9295	Major facilitator-type transporter ecdD	28.30	29.02	6.81	11.13	3.20	1.68	0.00	0.00	up
PCI_9297	Hypothetical protein	16.90	16.76	2.59	4.39	4.82	2.27	0.00	0.00	up
PCI_9300	Histidine kinase 5	1.78	1.55	0.44	0.10	6.14	2.62	0.00	0.00	up
PCI_9314	Hypothetical protein	2503.86	2653.47	482.56	290.06	6.68	2.74	0.00	0.00	up
PCI_9319	Hypothetical protein	4.93	5.36	8.56	15.83	0.42	-1.24	0.00	0.02	down
PCI_9320	Hypothetical protein	69.21	76.03	142.47	325.03	0.31	-1.69	0.00	0.00	down
PCI_9328	Hypothetical protein	49.72	38.29	20.08	20.35	2.18	1.12	0.00	0.00	up
PCI_9334	alpha-1,6- mannosyltransferase MNN10	36.71	44.91	14.11	9.20	3.50	1.81	0.00	0.00	up
PCI_9346	Protein of unknown function DUF4237	175.10	205.00	60.87	40.21	3.76	1.91	0.00	0.00	up
PCI_9364	Aurasperone B biosynthesis cluster protein A	85.92	78.85	20.16	10.81	5.32	2.41	0.00	0.00	up
PCI_9391	Sugar transporter STL1	2.73	1.91	0.61	0.33	4.95	2.31	0.00	0.00	up
PCI_9393	Serine/threonine-protein kinase srk1	15.82	10.64	1.21	2.96	6.35	2.67	0.00	0.00	up
PCI_9394	c6 transcription factor	5.26	4.47	2.84	1.92	2.04	1.03	0.00	0.00	up
PCI_9398	High-affinity glucose transporter HXT2	10.34	10.42	2.54	1.51	5.12	2.36	0.00	0.00	up
PCI_9405	Lipase 1	8.43	7.21	3.25	1.87	3.05	1.61	0.00	0.00	up
PCI_9417	Hypothetical protein	1.33	1.36	0.53	0.23	3.55	1.83	0.00	0.00	up
PCI_9427	Major facilitator superfamily multidrug transporter NAG4	50.91	39.16	17.64	12.21	3.02	1.59	0.00	0.00	up
PCI_9442	Hypothetical protein	0.11	0.49	0.00	0.00	2953.41	11.53	0.01	0.03	up
PCI_9494	Hypothetical protein	5.76	3.96	0.93	0.61	6.33	2.66	0.00	0.00	up
PCI_9496	Hypothetical protein	25.79	15.77	1.15	0.20	30.86	4.95	0.00	0.00	up

PCI_9497	Catalase A	41.70	32.40	1.24	0.35	46.78	5.55	0.00	0.00	up
PCI_9498	hemerythrin-like protein C869.06c	32.37	24.24	1.26	0.38	34.64	5.11	0.00	0.00	up
